

**FMC MIDDLEPORT HUMAN HEALTH RISK ASSESSMENT
FOR
THE CORRECTIVE MEASURES STUDY**

Suspected Air Deposition and Culvert 105 Study Areas

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May 2011

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ACRONYMS AND ABBREVIATIONS

95UCL	95 percent upper confidence limit on the mean
Agencies	New York State Department of Environmental Conservation and the U.S. Environmental Protection Agency in consultation with the New York State Department of Health
bgs	below ground surface
BHC	benzohexachloride
BMI	body mass index
CAO	corrective action objective
CDC	Centers for Disease Control and Prevention
CMA	corrective measure alternative
CMS	corrective measures study
COC	constituent of concern
CSF	cancer slope factor
CSM	conceptual site model
CTE	central tendency exposure
DMA	dimethylarsinic acid
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
FMC	FMC Corporation
HHRA	human health risk assessment
ICM	interim corrective measure
Integral	Integral Consulting Inc.

IRIS	Integrated Risk Information System
LADD	lifetime average daily dose
LOAEL	lowest-observed-adverse-effect level
MCIG	Middleport community input group
MMA	monomethylarsonic acid
NYCRR	New York Codes, Rules and Regulations
NHANES	National Health and Nutrition Examination Survey
NHAPS	National Human Activity Pattern Survey
NOAEL	no-observed-adverse-effect level
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	polychlorinated biphenyl
RBA	relative bioavailability adjustment
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RfD	reference dose
RFI	RCRA facility investigation
RME	reasonable maximum exposure
Roy-Hart	Royalton-Hartland
RSL	regional screening level
SAB	Science Advisory Board
SCO	soil cleanup objective
SSL	soil screening level

SVOC	semivolatile organic compound
UCL	upper confidence limit
VOC	volatile organic compound
WOE	weight-of-evidence
WTC	World Trade Center

EXECUTIVE SUMMARY

This human health risk assessment (HHRA) report has been prepared for use in the corrective measures study (CMS) for the suspected air deposition and Culvert 105 study areas relative to the FMC Corporation (FMC) Middleport, New York, facility. FMC is performing this CMS as part of the corrective action program that FMC is undertaking with respect to historic releases of hazardous waste and/or hazardous constituents at this facility under the terms of a 1991 administrative order on consent entered into by FMC, the New York State Department of Environmental Conservation (NYSDEC), and the U.S. Environmental Protection Agency (EPA). As stated in the corrective action objectives issued in March 2009 by NYSDEC and EPA, in consultation with the New York State Department of Health (NYSDOH) (collectively, the Agencies), one of the goals of the corrective measures is to “protect human health and the environment relative to FMC-related contamination.” This HHRA evaluates the degree to which various corrective measure alternatives (CMAs) would achieve the protection of human health portion of this goal. The evaluation methods and conclusions presented herein are those of FMC and its consultants.

APPROACH FOR FMC’S ASSESSMENT

Based on screening for constituents of potential concern, arsenic was the only constituent of concern carried forward in the risk analyses. While other constituents (lead, other metals, and chlorinated pesticides) have been detected during the various sampling events at locations within the study areas, these constituents were not carried forward for further evaluation in the HHRA based on their low frequency of detection, low concentrations, infrequent occurrence above screening levels, and/or occurrence due to natural conditions or non-site-related activities.

Risk analyses were conducted for both cancer and non-cancer health effects and focused on exposures from soil (i.e., exposures via soil and house dust), which is the primary exposure medium for arsenic potentially associated with FMC. Exposure to arsenic from sources such as commercially produced food and beverages were not evaluated quantitatively. Within the air deposition study area and the Culvert 105 study area north of the canal, risks for various CMAs were quantified for child and adult Middleport residents. Additional risk analyses were conducted for non-residential exposures for areas traversed by Culvert 105, and for the Wooded Parcel and the Royalton-Hartland (Roy-Hart) school property. Within the Culvert 105 study area and Wooded Parcel, risks were quantified for utility workers digging trenches along the culvert or utility lines. Within the Roy-Hart school property, risks were quantified for middle school and high school children. The risk estimates for residents are considered protective of commercial and industrial workers, who are expected to have lower exposures to soil than are residents.

For all scenarios, risks were evaluated for background conditions (background), for concentrations that existed prior to the interim corrective measures or interim remedial measures (for simplicity, both are referenced herein as “ICMs”) (pre-ICM), for current concentrations (CMA 1), and for post-remediation conditions (CMAs 2 through 8).

For the risk analyses, two types of risk calculation approaches described in EPA guidance were used: deterministic and probabilistic. Deterministic risk assessment uses point estimates of exposure and toxicity parameters to calculate a point estimate of hypothetical risk. Both central tendency exposure (CTE) and reasonable maximum exposure (RME) estimates were calculated. In probabilistic risk assessment, probability distributions are assigned for one or more exposure parameters to yield a probability distribution for the estimated exposure. From the exposure probability distribution, central and upper-bound values representing exposures at approximately the 50th and 95th percentiles of the distribution are selected to represent the CTE and RME, respectively.

A deterministic approach was used to assess each of the receptor scenarios, at first using default exposure assumptions and then progressing to incorporate site-specific exposure assumptions to reduce uncertainty in the risk estimates. For residential exposures to surface soils in the air deposition study area and the Culvert 105 study area north of the canal, the two stages of deterministic risk analyses were followed by probabilistic analyses. The combination of deterministic and probabilistic risk analysis methods was the most effective way to use the available site-specific data (local weather data, oral and dermal bioavailability studies, a biomonitoring study, results of a community survey, and soil and dust data) in the detailed analyses.

Noncancer risks were evaluated by comparing estimated arsenic intakes with a reference dose (the intake shown to be without risk of adverse effects).

Cancer risks were calculated by multiplying the estimated lifetime average daily dose by the oral arsenic cancer slope factor. A cancer risk estimate is characterized as the excess probability that an individual will develop cancer during his or her lifetime due to exposure to site-related chemicals. The term “excess” reflects the fact that the calculated risk is in addition to typical cancer incidence (i.e., the 1 in 2, for men, or 1 in 3, for women, risk of developing cancer during a lifetime). A 1×10^{-4} cancer risk means a “one-in-ten-thousand excess cancer risk,” or one additional incidence of cancer may be seen in a population of 10,000 people as a result of exposure to site contaminants under the conditions assumed in the HHRA. Cancer risk estimates greater than 1×10^{-4} are considered to represent unacceptable risks under the Agencies’ Corrective Action Objectives (CAOs). According to the CAOs, the “point of departure,” or starting point, for corrective action risk-management decisions pertaining to arsenic in soil is the site-specific residential background considering site-specific histories of use for current and reasonably anticipated future residential properties within these study areas.

For surface soils, data collected during a study in Gasport in 2001–2003 were used as an indicator of soil arsenic concentrations that would be present in Middleport in the absence of the FMC facility. In this analysis, Gasport soil arsenic concentrations for each land use type were combined with Middleport land use data to estimate soil arsenic concentrations that would be present if there were no impact from the FMC facility. The resultant soil arsenic concentrations are termed “background” conditions. Comparison with background conditions is a critical measure of the potential risk reduction associated with remedial actions that might be undertaken. This risk difference relative to background conditions is termed the “incremental” risk. For residential scenarios, both total and incremental excess lifetime cancer risks are provided in this HHRA.

Arsenic concentrations in subsurface soils are generally lower than in surface soils in the residential scenario study areas; therefore, for the residential scenario, it is considered protective to focus the evaluation on surface soils.

RESULTS OF FMC’S ASSESSMENT

Noncancer risks were below levels of concern for all scenarios, including pre-ICM conditions, and for all CMAs. Consequently, all CMAs meet the goal of protecting human health with regard to noncancer health effects of arsenic.

Cancer risks for utility workers in the Culvert 105 study area and the Wooded Parcel were below EPA’s acceptable risk range (1×10^{-6} to 1×10^{-4}) for all conditions evaluated.

For both the air deposition study area and the Culvert 105 study area north of the canal, all total excess cancer risks for residents were within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} , except for slight exceedances under the pre-ICM and current conditions scenarios for the Culvert 105 study area north of the canal.¹ Using only site-specific calculation approaches, both deterministic and probabilistic, no RME results exceeded 1×10^{-5} . For the air deposition study area, RME excess risk for current conditions was estimated to be 6×10^{-5} using the default deterministic approach, 7×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach (Table ES-1, Figure ES-1).² For the Culvert 105 study area north of the canal, RME excess risk for current conditions was estimated to be 1×10^{-4} using the default deterministic approach, 1×10^{-5} using the site-specific deterministic approach, and 7×10^{-6} using the probabilistic approach (Table ES-2, Figure ES-2). The relationships between results for the various approaches are generally applicable for all CMAs in both study areas; more specifically,

¹ EPA guidance suggests rounding all risk estimates to one significant digit. When rounded, no risk estimates exceed 1×10^{-4} . The use of two significant digits in reporting cancer risk estimates in the tables and figures of this HHRA overstates the precision of the risk estimates, but was needed to illustrate the differences in risk for the various CMAs.

² The figures and tables included in this executive summary are duplicates of tables and figures that are presented in the HHRA, and are included here for ease of reference by readers.

Table ES-1. Total CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	6.2E-06	5.6E-07	4.2E-07	5.0E-05	5.9E-06	2.6E-06
Pre-ICM	9.7E-06	8.5E-07	7.1E-07	7.7E-05	8.7E-06	4.1E-06
Current (CMA 1)	8.3E-06	7.3E-07	6.1E-07	6.5E-05	7.5E-06	3.5E-06
CMA 2	5.7E-06	5.2E-07	3.8E-07	4.6E-05	5.5E-06	2.5E-06
CMA 3	7.0E-06	6.3E-07	4.9E-07	5.5E-05	6.5E-06	3.0E-06
CMA 4	7.6E-06	6.8E-07	5.7E-07	5.9E-05	6.9E-06	3.3E-06
CMA 5	7.9E-06	7.0E-07	6.0E-07	6.2E-05	7.2E-06	3.3E-06
CMA 6A	6.9E-06	6.2E-07	4.9E-07	5.4E-05	6.4E-06	3.0E-06
CMA 6B	6.7E-06	6.1E-07	4.9E-07	5.3E-05	6.3E-06	2.8E-06
CMA 7A	6.6E-06	6.0E-07	4.7E-07	5.3E-05	6.2E-06	2.7E-06
CMA 7B	6.5E-06	5.9E-07	4.5E-07	5.2E-05	6.1E-06	2.7E-06
CMA 8	6.3E-06	5.7E-07	4.4E-07	5.0E-05	5.9E-06	2.6E-06

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

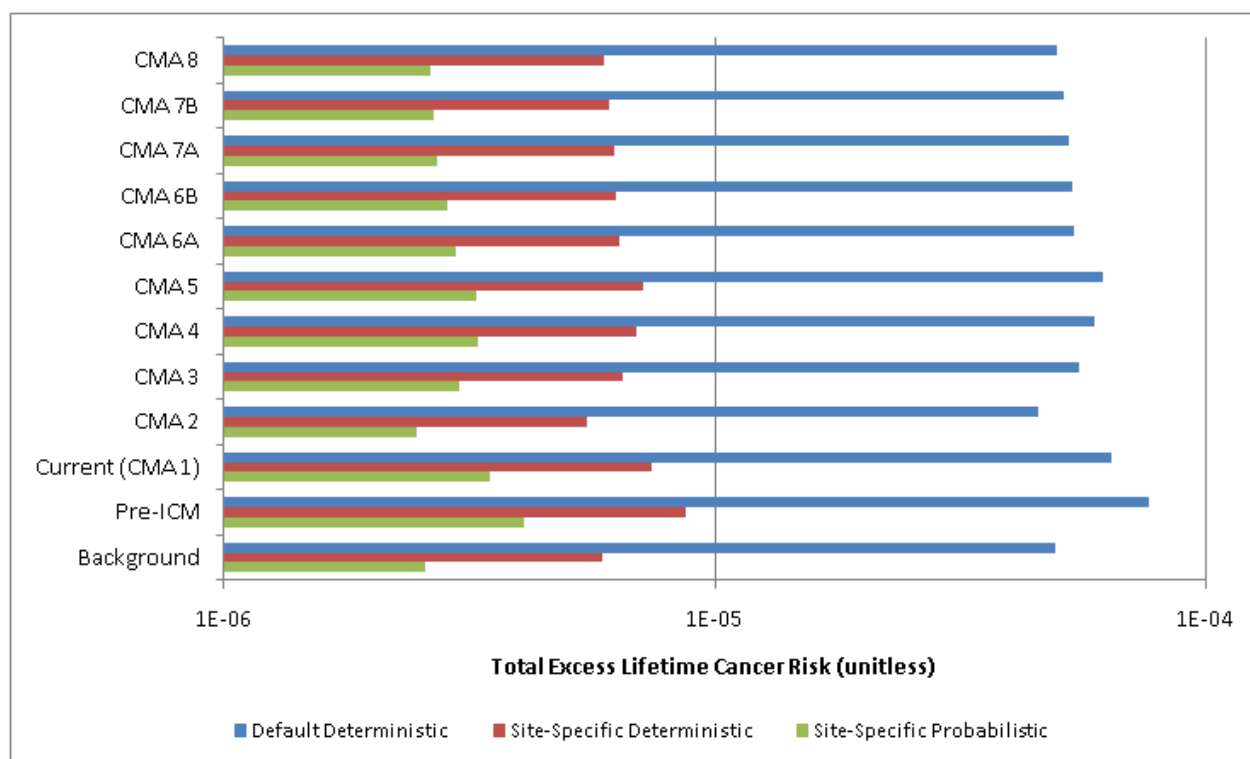


Figure ES-1. Total RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

Table ES-2. Total CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	7.3E-06	6.5E-07	4.6E-07	6.5E-05	7.5E-06	3.2E-06
Pre-ICM	1.5E-05	1.3E-06	9.1E-07	1.4E-04	1.5E-05	6.8E-06
Current (CMA 1)	1.4E-05	1.2E-06	8.0E-07	1.2E-04	1.3E-05	6.5E-06
CMA 2	5.3E-06	4.9E-07	3.5E-07	4.3E-05	5.2E-06	2.3E-06
CMA 3	5.9E-06	5.4E-07	3.8E-07	4.9E-05	5.9E-06	2.6E-06
CMA 4	6.6E-06	6.0E-07	4.5E-07	5.5E-05	6.5E-06	3.0E-06
CMA 5	7.1E-06	6.3E-07	4.7E-07	5.9E-05	6.9E-06	3.2E-06
CMA 6A/B	5.8E-06	5.3E-07	3.7E-07	4.8E-05	5.7E-06	2.6E-06
CMA 7A/B	5.7E-06	5.2E-07	3.7E-07	4.7E-05	5.7E-06	2.4E-06
CMA 8	5.6E-06	5.1E-07	3.6E-07	4.6E-05	5.5E-06	2.4E-06

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

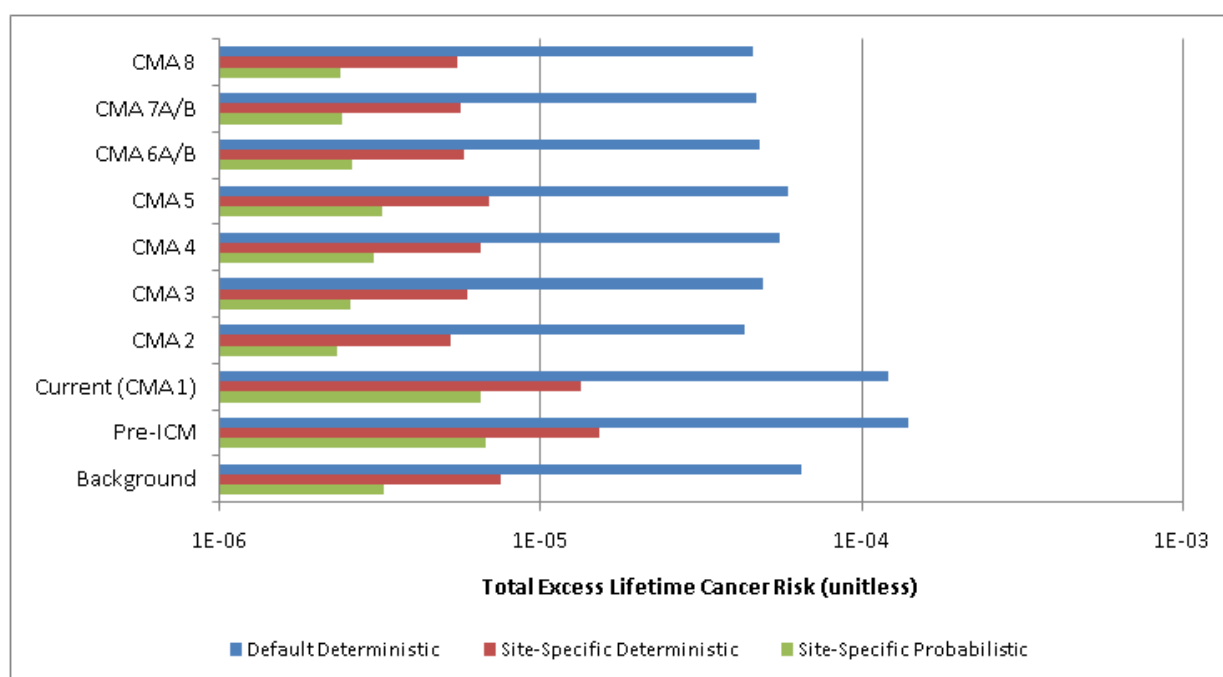


Figure ES-2. Total RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

Note: Bars exceeding 1×10^{-4} are equal to 1×10^{-4} when rounded to one significant digit.

RME default deterministic risk estimates are roughly 10 times higher than RME site-specific deterministic estimates, and RME site-specific deterministic estimates are approximately twice as high as RME site-specific probabilistic estimates.

For the air deposition study area, RME incremental risk for current conditions (i.e., the difference in excess risks in the study areas relative to excess risks for background conditions) was estimated to be 2×10^{-5} using the default deterministic approach, 2×10^{-6} using the site-specific deterministic approach, and 9×10^{-7} using the probabilistic approach (Table ES-3, Figure ES-3). These incremental risks are approximately one-fourth as high as the total excess risks. For the CMAs other than current conditions (i.e., CMAs 2 through 8), all incremental risks are 1×10^{-5} or less. For CMA 2, the incremental risks calculated using deterministic approaches are negative (i.e., CMA 2 would result in risks lower than background risks because CMA 2 requires removal of a large number of samples that fall above the background concentration and replacement with clean fill that is lower than the background concentration³). For the Culvert 105 study area north of the canal, incremental risks were only able to be calculated for pre-ICM and current conditions because all other CMAs resulted in risks lower than background.⁴ RME incremental risk for current conditions was estimated to be 6×10^{-5} using the default deterministic approach, 6×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach (Table ES-4, Figure ES-4).

Table ES-3. Incremental CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	3.6E-06	2.8E-07	2.9E-07	2.7E-05	2.8E-06	1.5E-06
Current (CMA 1)	2.1E-06	1.7E-07	1.9E-07	1.5E-05	1.6E-06	9.1E-07
CMA 2	N/A	N/A	N/A	N/A	N/A	N/A
CMA 3	8.7E-07	7.0E-08	7.1E-08	5.9E-06	6.1E-07	4.3E-07
CMA 4	1.5E-06	1.2E-07	1.5E-07	9.9E-06	1.0E-06	7.2E-07
CMA 5	1.8E-06	1.4E-07	1.8E-07	1.2E-05	1.3E-06	6.9E-07
CMA 6A	7.0E-07	5.6E-08	7.5E-08	4.6E-06	4.8E-07	3.8E-07
CMA 6B	5.8E-07	4.6E-08	6.8E-08	3.8E-06	4.0E-07	2.7E-07
CMA 7A	4.7E-07	3.8E-08	5.3E-08	3.1E-06	3.2E-07	1.3E-07
CMA 7B	3.3E-07	2.7E-08	3.3E-08	2.1E-06	2.2E-07	9.6E-08
CMA 8	1.0E-07	8.4E-09	1.7E-08	4.6E-07	4.8E-08	5.6E-08

Notes:

NA = Background risks are higher than site-related risks.

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

³ For example, the RME concentrations calculated for the background and CMA 2 data sets in the air deposition study area are 11.6 and 8.2 mg/kg, respectively. The RME concentrations for background and CMA 2 in the Culvert 105 study area north of the canal are 25.0 and 5.9 mg/kg, respectively.

⁴ An exception is the CTE incremental risk using the site-specific probabilistic approach for CMA 5 (1×10^{-8}).

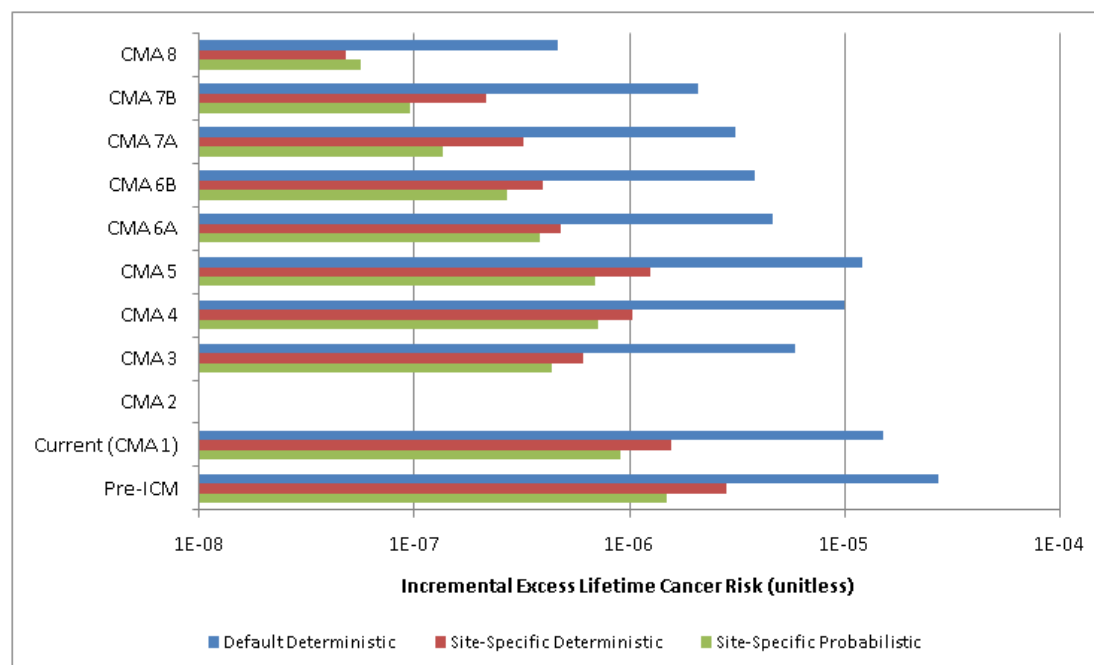


Figure ES-3. Incremental RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

Note: Missing bars indicate background risks are higher than site-related risks.

Table ES-4. Incremental CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	7.6E-06	6.1E-07	4.5E-07	7.4E-05	7.7E-06	3.5E-06
Current (CMA 1)	6.4E-06	5.1E-07	3.4E-07	5.6E-05	5.8E-06	3.3E-06
CMA 2	N/A	N/A	N/A	N/A	N/A	N/A
CMA 3	N/A	N/A	N/A	N/A	N/A	N/A
CMA 4	N/A	N/A	N/A	N/A	N/A	N/A
CMA 5	N/A	N/A	1.2E-08	N/A	N/A	N/A
CMA 6A/B	N/A	N/A	N/A	N/A	N/A	N/A
CMA 7A/B	N/A	N/A	N/A	N/A	N/A	N/A
CMA 8	N/A	N/A	N/A	N/A	N/A	N/A

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

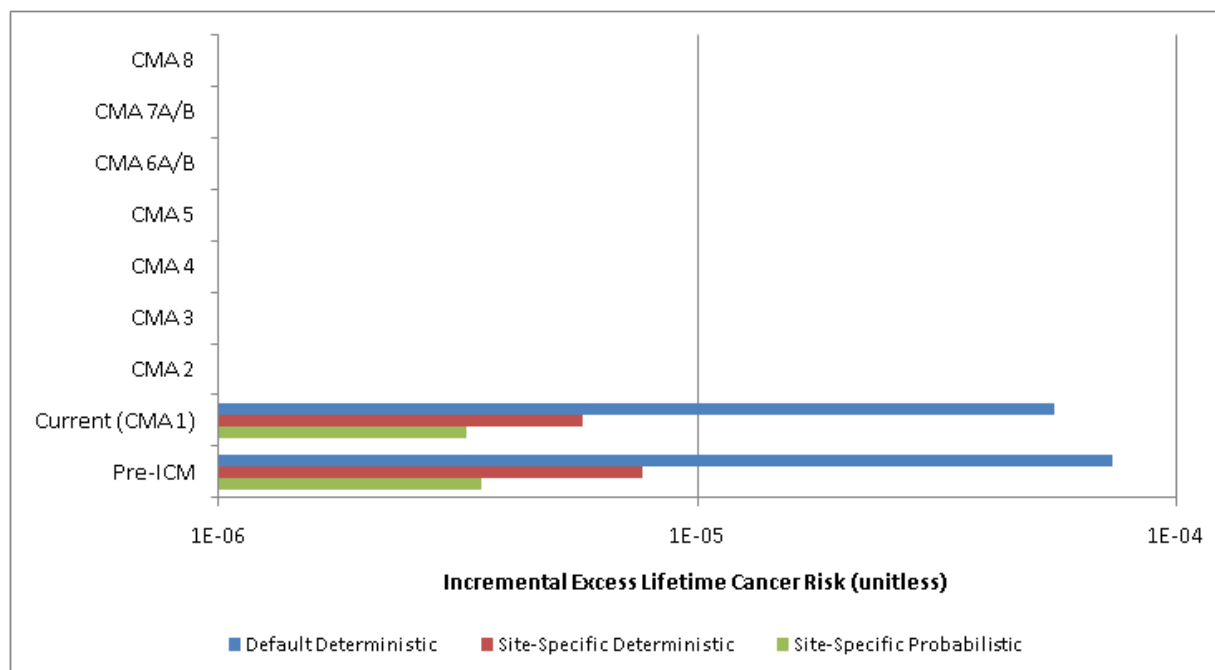


Figure ES-4. Incremental RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

Note: Missing bars indicate background risks are higher than site-related risks.

Figures ES-5 and ES-6 show the total excess cancer risk distributions produced by the probabilistic risk evaluation for the air deposition study area and the Culvert 105 study area north of the canal, respectively. The 95th percentiles, shown for three distributions by long dashed lines, were used to identify RME risk results, and the 50th percentiles, shown by short dashed lines, were used to identify CTE results. These figures illustrate the very small differences in terms of relative reduction of risk among any of the CMAs in the air deposition study area, and among CMAs 2 through 8 in the Culvert 105 study area north of the canal.

A schoolchild scenario was also evaluated using the site-specific deterministic method to compare potential cancer risks for a child attending the Roy-Hart school under the various CMAs. This scenario focused on exposures during middle and high school years. The cancer risks were below or within the acceptable risk range of 1×10^{-6} to 1×10^{-4} for all CMAs, and cancer risks under CMAs that do not include additional remediation at the school were only slightly higher than those under CMAs that do include additional remediation at the school. These results confirm the conclusion of the Agencies that after the school yard remediation in 1999-2000 as follows: “[t]he entire school yard is suitable for both athletic and non-athletic uses by all school children, in terms of their exposure to known school yard soil arsenic levels.” (NYSDEC

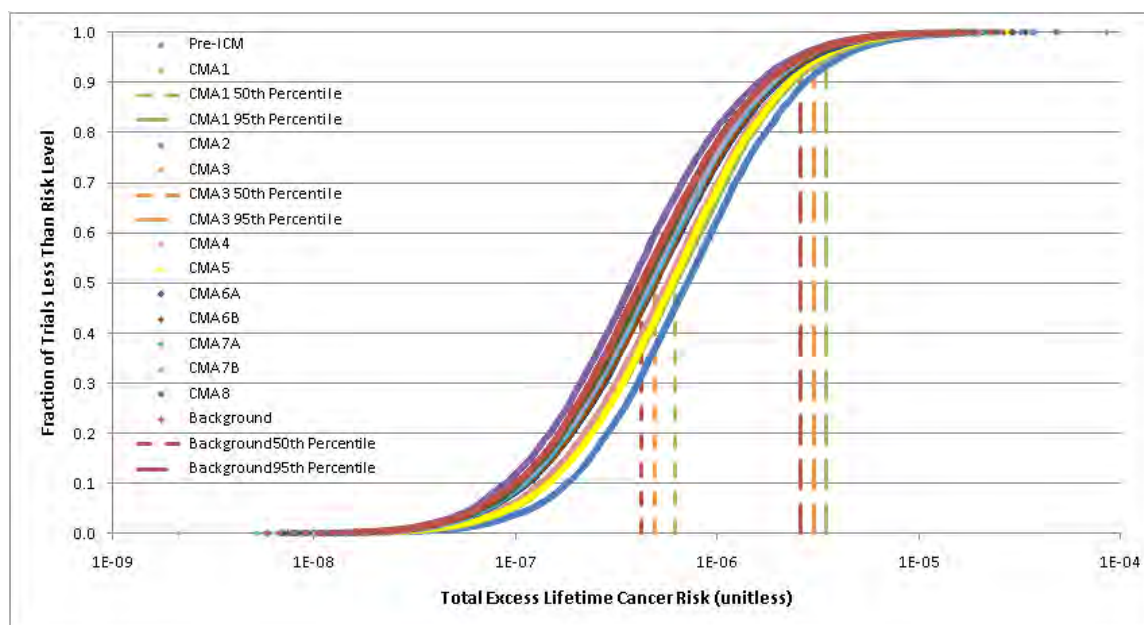


Figure ES-5. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Probabilistic Analysis Methods

Note: Figure excludes one pre-ICM simulation data point greater than 1×10^{-4} (1.4×10^{-4}).

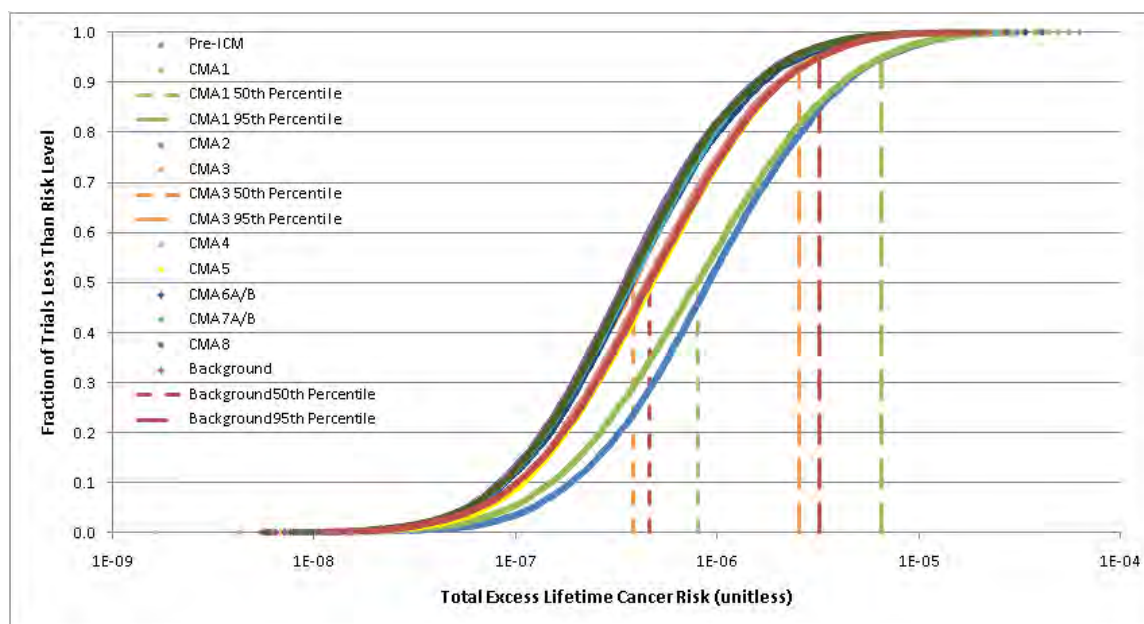


Figure ES-6. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

Note: Figure excludes one current (CMA 1) simulation data point greater than 1×10^{-4} (1.1×10^{-4}).

et al. 2000). Based on the findings of this assessment that the human health risks to school age children at the school property are generally similar under all of the CMAs, and would not significantly decrease, it is FMC's conclusion that further remediation of the school property is not supported on the grounds of reduction of risk to human health.

In developing the alternatives, risk assessment was used to evaluate a range of soil arsenic concentration targets such that post-remediation risks would fall within EPA's acceptable risk range using residential exposure assumptions. Site-specific CTE and RME soil risk-based concentrations (RBCs) were derived for the low end, middle, and high end of the acceptable risk range (Table ES-5). A soil arsenic concentration of 20 mg/kg, considered by the Agencies to be the upper end of a reasonable representation of Middleport site background, was also taken into account. For current (post-ICM) conditions, the mean surface and overall soil arsenic concentrations for all properties fall within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . For the RBCs based on CTE assumptions, all of the properties fall below 1×10^{-5} risk (and the Roy-Hart school property falls below 1×10^{-6}). For the RBCs based on RME assumptions, 10 or 13 properties fall within the risk range of 1×10^{-5} to 1×10^{-4} based on overall sample concentrations or surface sample concentrations, respectively (and the Roy-Hart school property falls below 1×10^{-5}). This analysis provided perspective for assessing the CMAs.

Table ES-5. Soil RBCs Associated with the Acceptable Risk Range for an Adult plus Child Resident

Total Excess Lifetime Cancer Risk (unitless)	Soil RBC (mg/kg)	
	CTE	RME
7E-07 ^a	20	--
1E-06	43	NA ^b
7E-06 ^a	--	20
1E-05	690	49
1E-04	7,200	800

Notes:

-- = no data available

NA = not applicable

^a Although not associated with the acceptable risk range, these are the risk values associated with CTE and RME soil concentrations of 20 mg/kg, which is considered by the Agencies as a reasonable background value.

^b Arsenic concentration in dust was not related to soil arsenic concentration and is, therefore, not expected to change when soil is remediated. Exposures to arsenic in dust alone are associated with a cancer risk of 5E-06. Because the soil RBC considers exposure contributions from both soil and dust, an RME soil concentration associated with a risk of 1E-06 cannot be derived.

DISCUSSION AND FMC'S CONCLUSIONS

Additional perspective on the risk reduction that might be associated with the CMAs was provided by comparison of exposure to soil arsenic with exposure to inorganic arsenic from other natural sources such as diet and drinking water. Arsenic is naturally present in most foods and in drinking water, and is widely distributed in the environment from many natural and anthropogenic sources. Studies of background exposures to arsenic in the U.S. have found that exposures are dominated by intakes from drinking water and diet, and that intakes via incidental ingestion of soil and inhalation of air contribute a negligible amount to total exposure.

In most communities, arsenic from soil accounts for less than 1 percent of inorganic arsenic exposure in U.S. adults (Meacher et al. 2002; Boyce et al. 2008). In Middleport, where an FMC-sponsored 2004 biomonitoring study found no significant relationships between urinary arsenic and arsenic in soil, arsenic is expected to contribute a small fraction of the total inorganic arsenic exposure. RME intakes calculated in this HHRA are lower (by a factor of at least 20) than the 95th percentile arsenic intakes from diet and drinking water reported for typical U.S. residents.

Risk assessments predict the likelihood of health effects in a population, but do not directly measure the occurrence of health effects. The predicted risks are based on many assumptions about the ways in which people come into contact with chemicals in the environment. Although many of these assumptions are based on general scientific studies or site-specific data, uncertainty remains regarding how well the available data reflect the ways residents are actually exposed to chemicals. The degree of confidence in the results of a risk assessment depends on how closely the data and assumptions used match actual conditions.

This HHRA included a detailed uncertainty assessment that qualitatively evaluated sources of variability and uncertainty for each step of the risk assessment process. An uncertainty analysis is needed to understand the reliability of risk estimates to support risk management decision-making. Underestimation of risks may result in people not being adequately protected from adverse health effects, while overestimation of risks can cause needless disruption and resource allocation.

Each source of uncertainty was evaluated in terms of whether it would tend to over- or underestimate risks and the relative magnitude of the uncertainty associated with that factor. A sensitivity analysis was also conducted to quantitatively assess uncertainty and variability for selected critical assumptions. In general, where uncertainties exist, conservative parameters, assumptions, and methodologies were used to enhance the likelihood that potential exposures and risks would not be underestimated.

The confidence in the risk characterization for arsenic in Middleport soil is enhanced by the three approaches used to estimate exposures, starting with deterministic analyses that employ

EPA default exposure assumptions, and then incorporating the results of studies conducted in Middleport and updated literature evaluations into site-specific deterministic and probabilistic analyses. These analyses have reduced the level of uncertainty for many factors. One current source of uncertainty is in the arsenic oral cancer slope factor (CSF). EPA has proposed a draft CSF, not used in this HHRA, that suggests arsenic cancer potency is greater than indicated by the current EPA-approved CSF. This is a controversial subject, and is currently unresolved. Many scientists disagree with EPA's proposed draft assessment, and believe risks from low dose arsenic exposures are much lower than EPA's draft estimates. The proposed changes to the CSF are discussed qualitatively in the uncertainty analysis (Section 6) of the HHRA.

Due to the fact that there are many other sources of exposure to inorganic arsenic, FMC's HHRA demonstrates that all of the alternative CMAs produce negligible reductions in arsenic exposure. Consequently, human health risk reduction is not considered by FMC to be the primary factor in the determination of the FMC recommended CMA. Further, FMC considers the differences among all of the CMAs in terms of reduction of human health risk to be very small.

1 INTRODUCTION

This human health risk assessment (HHRA) report has been prepared for use in the corrective measures study (CMS) for the suspected air deposition and Culvert 105 study areas relative to the FMC Corporation (FMC) Middleport, New York, facility. FMC is performing this CMS as part of the corrective action program that FMC is undertaking with respect to historical releases of hazardous waste and/or hazardous constituents at this facility under the terms of a 1991 administrative order on consent entered into by FMC, the New York State Department of Environmental Conservation (NYSDEC), and the U.S. Environmental Protection Agency (EPA). As stated in the corrective action objectives issued in March 2009 by NYSDEC and EPA (the Agencies) in consultation with the New York State Department of Health (NYSDOH), one of the goals of the corrective measures is to “protect human health and the environment relative to FMC-related contamination.” This HHRA evaluates the degree to which various corrective measure alternatives (CMAs) would achieve the protection of human health portion of this goal. The evaluation methods and conclusions presented herein are those of FMC and its consultants.

Based on the screening for constituents of concern (COCs) presented in Section 2.3 of this document, arsenic was the only COC carried forward in the HHRA. Therefore, the concentration of arsenic in soil will determine the need for and/or extent of soil remediation in the CMS areas. This HHRA describes the methods used for and results of assessment of risks associated with potential exposures to arsenic in soil.

The risk evaluations conducted for this HHRA include the following:

- Evaluation of site-specific human health risks associated with exposure to existing soils in the CMS areas (i.e., the “no action” and/or “no further action” CMA⁵)
- Evaluation of site-specific human health risks associated with exposure to soils in the CMS areas prior to the performance of ICMs
- Evaluation of site-specific human health risks associated with exposure to arsenic in soils under background conditions for the Middleport area using the 2001–2003 Gasport soil sampling data for arsenic as a surrogate for Middleport background conditions
- Evaluation of site-specific human health risks associated with each CMA using the generated post-remediation arsenic concentration distributions
- Comparison of the various CMAs based on the extent to which the corrective measures will reduce site-specific human health risks.

This HHRA report includes the following:

⁵ “No action” refers to properties not included in ICMs, while “no further action” refers to properties that were included in ICMs.

- Evaluation of basic (i.e., deterministic) and supplementary (i.e., probabilistic) risk assessment approaches for applicability to the CMS
- Description of the deterministic and probabilistic analysis methods used in the CMS
- Description of the conceptual site model (CSM) and exposure pathways evaluated in the HHRA
- Screening of COCs
- Assessment of the toxicity of arsenic, the only COC identified in the screening process
- Evaluation of the adequacy of the soil arsenic data sets for use in the HHRA
- Identification of the exposure factor assumptions and description of the rationale for use of the selected factors
- Presentation of calculated deterministic and probabilistic analysis results and interpretation of the results
- Evaluation of the various CMAs based on the extent to which site-specific human health risks will be reduced
- Evaluation of uncertainties and limitations associated with the risk analyses.

1.1 STUDY AREAS

For the purpose of this HHRA, the two CMS study areas have been subdivided into the following three exposure areas based on geography and relevant exposure scenarios:

- Suspected air deposition area south of the Erie Canal and west of the Niagara/Orleans county line, including surface soils along Culvert 105 south of the canal (air deposition study area), focusing primarily on residential exposures
- Culvert 105 and its flood zone both south and north of the Erie Canal (Culvert 105 study area), focusing on utility worker exposures
- Culvert 105 and its flood zone north of the Erie Canal (Culvert 105 study area north of the canal), focusing on residential exposures.

1.2 SITE-SPECIFIC INVESTIGATIONS SUPPORTING FMC'S HHRA

USEPA (2009a) states that protection of public health and the environment depends on "rigorous adherence to the best available science." The Middleport community has been studied extensively through bioavailability studies, a biomonitoring study, and soil sampling, all of which together provide a firm foundation for a high quality risk assessment to support the development of an effective corrective measure(s). In addition, the community was surveyed

for information to support selection of exposure assumptions. The investigations that provided the data used in the HHRA are summarized in the following documents:

- Study area-specific soil sampling results are presented in Volumes II and IV of the RCRA facility investigation (RFI) report (ARCADIS 2009a,b).
- Middleport house dust arsenic sampling is presented in Tsuji et al. (2005).
- An arsenic oral bioavailability study that included site-specific data is presented in Exponent (2007) and Roberts et al. (2007).
- A dermal absorption study of arsenic-bearing soils that included a Middleport soil sample is presented in Exponent (2007) and Lowney et al. (2007).

1.3 OVERVIEW OF FMC'S RISK ASSESSMENT APPROACH

The HHRA includes analyses for current conditions in the CMS areas; soil background conditions (for surface soil); pre-remediation conditions prior to soil remediation previously conducted as part of interim corrective measures (ICMs), interim remedial measures, or Early Actions (herein referred to collectively as ICMs); and post-remediation conditions associated with the various CMAs. Assessments and evaluations of CMAs consider both current and reasonably anticipated future land uses. The activities involved in the HHRA are summarized in the subsections below.

A description of the risk assessment approach was provided in the risk management approach document (Integral 2009). This document was provided to the Agencies, affected property owners, and the community for the purposes of soliciting early input and comments. FMC conducted information sessions concerning the risk management approach document on November 4, 5, and 17, 2009, and December 3, 2009. In addition, FMC prepared and distributed a soil exposure survey to owners/residents of the properties within the CMS areas. The results of the exposure survey have been considered in development of site-specific exposure assumptions (see Section 3). Comments on the risk management approach document were received from the Agencies (USEPA et al. 2010) and Middleport community input group (MCIG) (MCIG, pers. comm. 2010). Comments from the Agencies, MCIG, and community members, FMC's responses to the Agencies' comments, and documentation of the resulting modifications to the risk management approach are attached to this HHRA.

This HHRA report has been revised as appropriate to address the comments provided by the Agencies, in consultation with NYSDOH (by letter dated September 15, 2010) concerning the *Draft Corrective Measures (CMS) Report for the Suspected Air Deposition and Culvert 105 Study Areas, Middleport, NY* (Preliminary Draft June/July 2010). Revisions are in accordance with the Agencies' December 2, 2010, letter and e-mail dated December 17, 2010, correspondence that

summarized the agreements reached and directives regarding the revision of the June/July 2010 draft report.

1.3.1 Purposes of FMC's HHRA

The Agencies' final CAOs include the following related to human health risk (NYSDEC et al. 2009):

- "To protect human health...relative to FMC-related contamination...using site-specific data and information, supported by multiple lines of evidence, including site-specific risk assessment...."
- "Reduce and manage potential human health risks associated with FMC-related contaminants in soil and sediment...such that:
 - Excess human health carcinogenic risks are reduced such that the lifetime excess cancer risks fall within the range appropriate for residential communities (i.e., 10^{-4} to 10^{-6});
 - Human health noncarcinogenic risks are reduced such that noncancer risks do not exceed the level appropriate for residential communities (i.e., hazard index ≤ 1.0); and
 - The "point of departure," or starting point for corrective action risk-management decisions pertaining to arsenic in soil, is the site-specific residential background considering site-specific histories of use for current and reasonably anticipated future residential properties within these study areas."
- "Inform and engage affected property owners and local residents in meaningful participation throughout the cleanup process...."

Consistent with these CAOs, the risk assessment and risk-based analyses conducted herein support several aspects of the CMS:

- **Development of risk-based alternatives**—Target soil arsenic concentrations were calculated using site-specific risk analyses and EPA's acceptable risk range.
- **Evaluation of alternatives**—All CMS alternatives were evaluated for protectiveness of human health using risk-based analyses.
- **Community participation**—An HHRA was requested by members of the community. FMC intends that the HHRA be used to inform the community concerning site-specific human health risks and to facilitate effective participation by the stakeholders in the CMS process.

The approaches and role of risk assessment in each of these three aspects of the CMS are summarized below.

1.3.1.1 Development of Risk-Based Alternatives

As described in the CMS work plan (AMEC Geomatrix 2009), at least one risk-based alternative was to be included among the alternatives considered for each of the study areas. In developing the alternatives, risk assessment was used to evaluate a range of soil arsenic concentration targets such that post-remediation risks would fall within the acceptable risk range of 1×10^{-6} to 1×10^{-4} using residential exposure scenarios.⁶

1.3.1.2 Evaluation of Alternatives

Alternatives evaluated in the CMS include the following:

- CMA 1: no action and/or no further action
- CMA 2: 20 mg/kg maximum property soil arsenic concentration for all properties
- CMA 3: Remediation of soil on each property to the following post-remediation average and maximum allowable soil arsenic concentrations based on land usages:

Future Anticipated Property Usages	Post-Remediation Soil Arsenic Concentrations (mg/kg)	
	Property Average	Maximum
Residential	20	40
Public/institutional	30	60
Agricultural, commercial, industrial/railroad/utility	40	80

- CMA 4: 30 mg/kg average and 60 mg/kg maximum property soil arsenic concentration for all properties
- CMA 5: 40 mg/kg average and 80 mg/kg maximum property soil arsenic concentration for all properties
- CMA 6: Remediation of soil on each property to the following post-remediation average and maximum allowable soil arsenic concentrations based on land usages; CMA 6A does not include evaluation of further remediation of soil at the Roy-Hart school property while CMA 6B includes the school:

⁶ A 1×10^{-4} cancer risk means a “one-in-ten-thousand excess cancer risk,” or one additional incidence of cancer may be seen in a population of 10,000 people as a result of exposure to site contaminants under the conditions assumed in the HHRA. Cancer risk estimates greater than 1×10^{-4} are considered to represent unacceptable risks under the CAOs. According to the CAOs, the “point of departure,” or starting point for corrective action risk-management decisions pertaining to arsenic in soil, is the site-specific residential background considering site-specific histories of use for current and reasonably anticipated future residential properties within these study areas.

Future Anticipated Property Usages	Post-Remediation Soil Arsenic Concentrations (mg/kg)	
	Property Average	Maximum
Residential, Public/institutional	20	35
Agricultural, commercial,	30	50
Industrial/railroad/utility	40	80

- CMA 7: Remediation of soil on each property to the following post-remediation average and maximum allowable soil arsenic concentrations based on land usages; CMA 7A does not include evaluation of further remediation of soil at the Roy-Hart school property while CMA 7B includes the school:

Future Anticipated Property Usages	Post-Remediation Soil Arsenic Concentrations (mg/kg)	
	Property Average	Maximum
Residential, public/institutional	20	30
Agricultural, commercial	30	50
Industrial/railroad/utility	40	80

- CMA 8: 20 mg/kg average and 30 mg/kg maximum property soil arsenic concentration for all properties.

Table 1-1 and the text of the CMS report describe the alternatives listed above in detail. “No action” refers to conditions that existed prior to implementation of a series of interim corrective measures (ICMs) discussed in the CMS report. “No further action” refers to existing conditions, post-ICMs, and incorporates the post-remediation concentrations after completion of the ICMs. The first alternative, CMA 1, provides for no action and/or no further action beyond the previously completed ICMs. The remaining alternatives were evaluated for additional risk reduction in comparison with the “no further action” alternative and with local soil background conditions (non-FMC related arsenic).

CMAs 3, 4, 5, 6A, and 7A include several common elements, including no further action at the Royalton-Hartland (Roy-Hart) school property, Wooded Parcel, and 33 properties previously remediated by FMC. Evaluation of additional soil remediation at the Roy-Hart school property is included for CMAs 2, 6B, 7B, and 8.

Risk-based concentrations (RBCs) were also developed to support a discussion of target risks. The health protectiveness of each alternative developed during the CMS was evaluated by a consistent method, discussed herein.

1.3.1.3 Community Requests

Community members indicated a desire for the CMS to consider and clearly describe current site-specific health risks and the relative health benefits of proposed remedial alternatives. Three aspects of risk analyses were needed to satisfy these requests:

- Site-specific health risks for current conditions are presented as incremental risks compared with expected risks in the absence of exposure to FMC-related arsenic.
- Analogous incremental risks were calculated for each of the proposed CMAs.
- The health benefits (risk reduction) of the CMAs are characterized in terms of total arsenic exposure from soil and all other sources, including arsenic naturally present in water, beverages, and food.

1.3.2 Applicable Risk Assessment Guidance

The HHRA was performed in accordance with the most recent versions of relevant EPA guidance, including, but not necessarily limited to, the following documents (as appropriate):

- Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual, Part A (USEPA 1989)
- Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual, Part E – Dermal Risk Assessment (USEPA 2004b)
- Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual, Part F – Supplemental Guidance for Inhalation Risk Assessment (USEPA 2009b)
- Risk Assessment Guidance for Superfund: Volume III – Part A, Process for Conducting Probabilistic Risk Assessment (USEPA 2001a)
- Using Probabilistic Methods to Enhance the Role of Risk Analysis in Decision-making, with Case Study Examples (USEPA 2009d).
- Exposure Factors Handbook (USEPA 1997b)⁷
- Guidance for Data Usability in Risk Assessment (USEPA 1992)

⁷ Initial planning and evaluations were conducted using EPA's 1997 version of the Exposure Factor's Handbook. An external review draft update (USEPA 2009c) was released after exposure parameters had initially been identified. Direction from EPA has indicated that the draft update is not to be used without written approval by an EPA regional toxicologist. The *Child-Specific Exposure Factors Handbook* (USEPA 2008b) was also consulted.

- USEPA Risk Characterization Program Memorandum (USEPA 1995)
- Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA 2002)
- Integrated Risk Information System (IRIS), which contains EPA's on-line database of toxicity factors (<http://www.epa.gov/IRIS/>)

In addition, the HHRA considered the following New York state regulatory documents:

- NYSDEC Soil Cleanup Objectives (SCOs) identified in 6 New York Codes, Rules and Regulations (NYCRR) Subpart 375-6.8(b)
- New York State Brownfield Cleanup Program, Development of Soil Cleanup Objectives Technical Support Document (NYSDEC and NYSDOH 2006).

The SCOs were used for screening non-arsenic constituents (Section 2.3.1) and in the evaluation and comparison of the CMAs in the main body of the CMS report. The exposure assumptions used in developing the SCOs were considered in the development of exposure assumption point estimates and distributions for this HHRA (Sections 3.3.2.1, 6.4, and 6.6.3). A comparison of exposure assumptions between the SCOs and this HHRA is presented in Section 3.6.

1.3.3 Description of FMC's Risk Assessment Methods

Risk assessment involves the use of a number of variables, assumptions, or factors in the assessment of exposure. These factors and the resulting exposure estimates vary over time and across populations. The accuracy of the assumed values is also associated with varying degrees of uncertainty. For example, exposure factors such as the daily rate of soil ingestion are expected to vary from individual to individual. In addition, measuring such exposure factors as soil ingestion can be technically challenging and poses the potential for measurement errors and uncertainties. For some exposure factors, there is no consensus in the professional community as to the range of values that best represents a given population.

There are two general risk assessment approaches to characterizing the range of possible exposures in a population. One approach, termed deterministic risk assessment, uses point estimates of exposure and toxicity parameters to calculate a point estimate of hypothetical risk. The advantages of a deterministic approach, when used in the appropriate context, are its simplicity, cost-effectiveness, and ease of understanding. Customarily, both central tendency exposure (CTE) and reasonable maximum exposure (RME) estimates are calculated by combining exposure parameters that are expected to yield representative exposure estimates. The RME is the highest exposure that is reasonably expected to occur at a site, and is derived by using a combination of average and upper-bound values that yield an estimate approximating a 95th percentile exposure. Ideally, point estimates of exposure parameters are selected from a set of values that represents an accurate range of values for the parameter (USEPA 2001a). More commonly, however, CTE and RME estimates are selected based on limited information

regarding where in the actual distribution the selected values fall. In selecting these point estimates, the ability to quantify the uncertainty in the values can be lost.

In a more comprehensive risk assessment approach for characterizing the range of possible exposures, termed probabilistic risk assessment, probability distributions are assigned for one or more exposure parameters to yield an output probability distribution for the exposure estimate distribution. From the output probability distribution, central and upper-bound values representing exposures at approximately the 50th and 95th percentiles of the distribution are selected to represent the CTE and RME, respectively. A probability distribution is a mathematical function that describes the values and associated probabilities for a given parameter. For example, the probability distribution for adult body weight is described as lognormal, which is a bell-shaped curve with a long tail to the right. The shape of the curve represents the proportions of the population characterized by each body weight, with the tail to the right representing a smaller proportion of individuals with higher body weights.

Probability distributions are used to describe the variability and/or uncertainty that are inherently present in measures of exposure. Variability refers to true inter-individual (among individuals) and intra-individual (within an individual) diversity that is innate in a parameter and cannot be reduced or eliminated. Uncertainty refers to a lack of knowledge that can be reduced by collecting additional and/or better data (USEPA 2001a). An example of a parameter with variability but relatively little uncertainty is body weight. Although there is a substantial degree of variability in adult body weight, national studies provide current, accurate records of body weights for a large portion of the U.S. population, so there is little uncertainty about the range of body weights. On the other hand, an example of a parameter with both variability and uncertainty is soil ingestion rate. Studies of soil ingestion have shown a high degree of variability in soil ingestion rates among individuals. Furthermore, because of the technically challenging nature of these studies, there is a high degree of uncertainty associated with the soil ingestion rate estimates. In many of the studies, the range of soil ingestion rate estimates includes zero.

EPA guidance (USEPA 1995, 2000, 2001a) requires that risk assessments include an uncertainty analysis that allows risk managers to understand the reliability and representativeness of the risk estimates. Risk assessments that do not adequately evaluate variability and uncertainty are vulnerable to potentially serious pitfalls, such as not allowing for optimal weighting of the probabilities and consequences of errors, and not providing enough information for a reliable comparison of alternative decisions in both risk assessment and risk management (USEPA 2004a). Deterministic risk assessments provide very limited information on uncertainty and variability, while “quantitative analysis of uncertainty and variability can provide a more comprehensive characterization of risk than is possible in the point estimate [deterministic] approach” (USEPA 2001a). “At some sites, probabilistic analysis can provide a more complete and transparent characterization of the risks and uncertainties in risk estimates than would otherwise be possible with a point estimate approach” (USEPA 2001a).

EPA's probabilistic risk assessment guidance (USEPA 2001a) recommends an initial deterministic assessment prior to making the decision to proceed with a probabilistic risk assessment if needed to further elucidate site risks. USEPA (1997a, 2009d) notes the following situations in which probabilistic risk assessment may be useful, most of which are applicable to Middleport:

- "[A] screening level deterministic risk assessment indicates that risks are possibly higher than a level of concern, and, therefore, a more refined assessment is needed"
- "[I]t is necessary to disclose the degree of bias associated with point estimates of exposure"
- "[I]t is necessary to rank exposures, exposure pathways, sites, or contaminants"
- "[T]he cost of regulatory or remedial action is high and the exposures are marginal"
- "[T]he consequences of simplistic exposure estimates are unacceptable"
- "[T]o identify promising critical control points and critical levels when evaluating risk management alternatives."

USEPA (2009d) also notes that probabilistic risk assessment is not necessary in three types of situations, none of which is applicable to Middleport:

- "When a screening-level deterministic risk assessment indicates that risks are negligible, presuming that the assessment is known to be biased to produce overestimates of risk"
- "When the cost of averting the exposure and risk is smaller than the cost of probabilistic analysis"
- "When there is little uncertainty or variability in the analysis." USEPA (2009d) notes that this is a rare situation.

Probabilistic risk assessment is standard practice and has been used by EPA and others to evaluate a variety of sites, including exposure situations involving arsenic. For example, EPA used probabilistic approaches to evaluate risks associated with ingestion of polychlorinated biphenyls (PCBs) in fish in the Hudson (USEPA and USACE 2000) and Housatonic (USACE and USEPA 2005) rivers, where deterministic cancer risk results fell above the acceptable risk range of 1×10^{-6} to 1×10^{-4} . USEPA (2008a) also used probabilistic approaches to evaluate risks for children contacting playsets and decks treated with the wood preservative chromated copper arsenate.

The risk assessment methods employed for each receptor scenario in this HHRA are discussed below. Details of the selected assumptions for both deterministic and probabilistic analyses are presented later in this document.

1.3.4 Risk Assessment Methods Employed by FMC

For this HHRA, two stages of deterministic risk analyses were employed. A deterministic approach was used initially to assess each of the receptor scenarios, at first using default exposure assumptions (“default deterministic”) and then progressing to incorporating site-specific exposure assumptions based on studies conducted in Middleport (“site-specific deterministic”). For residential exposures to surface soils in the air deposition study area and the Culvert 105 study area north of the canal, the two stages of deterministic risk analyses were followed by probabilistic analyses that incorporated site-specific exposure assumptions (“site-specific probabilistic”). Based on the EPA default risk-based soil screening level (SSL) for arsenic⁸, probabilistic analyses were needed to more accurately define incremental risks above background as well as the risk reduction associated with the proposed remedial alternatives. In addition, the combination of deterministic and probabilistic risk analysis methods was the most effective way to use the available site-specific data, discussed in Section 1.2. Furthermore, probabilistic analyses were a critical component of remedial decision-making because the variability and uncertainty associated with the risk estimates could be quantified.

The HHRA also includes deterministic and probabilistic risk analyses for residential exposures to background arsenic conditions for comparison with Middleport conditions.⁹ These paired analyses are a critical component in assessing the effectiveness of remedial alternatives.

Exposures to surface soils within the Roy-Hart school property, located within the air deposition study area, were also evaluated by considering a schoolchild scenario. Only deterministic calculations were performed because the goal of the analysis was a simple comparison to the Agencies’ prior conclusions regarding the similarity of schoolyard risks to background risks (discussed in Section 2.1).

Exposures to surface and subsurface soils within the Culvert 105 study area and for a property within the air deposition study area called the Wooded Parcel were evaluated by considering a utility worker scenario and using only a deterministic approach. USEPA (2001a) indicates that, in a probabilistic risk assessment, deterministic estimates, such as those calculated for the utility worker in this HHRA, may be used to answer scenario-specific questions. If the results of the deterministic analyses for the utility worker had been above a level of concern, probabilistic analyses would have been considered. However, evaluation of the utility worker scenario using a probabilistic approach was not needed to support CMA selection.

⁸ The SSL based on default assumptions is below typical background concentrations of arsenic.

⁹ Background conditions were represented by a data set generated using Gasport data for arsenic concentrations under several land uses combined with land use percentages specific to Middleport.

1.4 DOCUMENT ORGANIZATION

The USEPA (1989, 1991, 2001a, 2004b, 2009b) Risk Assessment Guidance for Superfund series served as the primary guidance documents for the Middleport probabilistic HHRA. The framework followed for the Middleport HHRA consists of three primary components: problem formulation, analysis, and risk characterization. During the problem formulation component, data gaps were evaluated and a CSM was finalized to provide the foundation for the second component, analysis. The characterization of arsenic release mechanisms, transport media, exposure routes, and likely receptors served to focus the remainder of the risk assessment process on those exposure pathways likely to represent the most significant potential risk.

The exposure and toxicity assessments make up the analysis component of this HHRA. The exposure assessment element generally represents the greatest site-specific effort in the risk assessment process. This element involved characterizing the soil arsenic concentrations within the three study areas as well as refining the nature of receptor populations characterized and the specific exposure characteristics (e.g., contact rate, exposure frequency, and exposure duration) used in deriving site-specific exposure estimates. The toxicity assessment included a description of potential adverse health effects associated with various kinds of exposure to a range of arsenic doses, compilation of carcinogenic and noncarcinogenic arsenic toxicity criteria, and description of the underlying dose-response analyses.

In the risk characterization component of the HHRA, risk estimates generated from integration of the exposure and toxicity assessments are summarized and an interpretation of the significance of these estimates provided. When probabilistic methods were used for risk calculations, Monte Carlo analysis was employed. Monte Carlo analysis or simulation is a commonly used probabilistic numerical technique where the uncertainties and variabilities in risk estimates are characterized “by repeatedly sampling the probability distributions of the risk equation inputs and using these inputs to calculate a range of risk values” (USEPA 2001a). While both uncertainty and variability exist in the exposure characteristics used to derive site-specific exposure estimates, the distributions used to characterize the exposure parameters for the probabilistic analyses of this HHRA primarily quantify variability. Uncertainty was addressed formally using sensitivity analysis.

Organization of the remainder of this HHRA report is as follows:

- Section 2, Problem Formulation, includes the screening of contaminants, receptors, and exposure pathways to update the CSM for the study areas.
- Section 3, Exposure Assessment, discusses the soil and dust concentration data and presents the exposure factors and assumptions used in the risk characterization.
- Section 4, Toxicity Assessment, presents the toxicity assessment for arsenic, the only COC identified for this HHRA.

- Section 5, Risk Characterization, presents detailed quantitative estimates of health risks for each scenario evaluated.
- Section 6, Uncertainties and Limitations, presents an evaluation of the uncertainties associated with the reported risk estimates and an analysis of the sensitivity of reported risk estimates to alternate input values.
- Section 7, Summary and Conclusions, summarizes and interprets the results of this HHRA.
- Section 8, References, summarizes the literature and guidance cited in development of this HHRA.

The following attachments are also included:

- Attachment 1, Summary of Modifications to Risk Management Approach, summarizes changes made to the initial risk assessment approach documented in Integral (2009).
- Attachment 2, Soil Arsenic Data Analysis, describes the soil arsenic concentration data sets used for this HHRA.
- Attachment 3, Middleport Community Survey Summary, contains the questions administered to Middleport residents as part of the community survey and a summary of the community responses.
- Attachment 4, ProUCL Output, details the results of ProUCL analyses conducted to determine RME arsenic exposure point concentrations (EPCs).
- Attachment 5, Crystal Ball® Input and Output, documents the input exposure parameters and output results of the probabilistic intake analyses using Crystal Ball®.
- Attachment 6, Summary of Intake Results, summarizes all intermediate intake results.
- Attachment 7, Responses to Comments, includes FMC's responses to comments made on the risk management approach by the Agencies, MCIG, and community.
- Attachment 8, Site-Specific Bioavailability Studies of Arsenic in Middleport Soils, contains studies that were performed to evaluate the bioavailability of arsenic specific to Middleport soils.

2 PROBLEM FORMULATION

The primary outcome of problem formulation is development of a conceptual model for the site that characterizes the ways people might be exposed to contaminants identified as being of potential concern. As part of this development process, a variety of exposure scenarios was evaluated to identify potentially complete pathways. Data quality and adequacy were evaluated and contaminant-screening procedures were employed to identify contaminant-specific exposure scenarios for focused consideration in the analysis phase of the HHRA.

This section of the HHRA provides an overview of the exposure pathway screening analysis, followed by a summary of the data used in the HHRA and the data screening process employed to update the contaminant-specific CSM. The evaluation and conclusions presented herein are those of FMC and its consultants.

2.1 CONCEPTUAL SITE MODEL AND PATHWAY SCREENING

The CSM (Figure 2-1) includes sources of potential exposure, mechanisms of chemical transport in various media, exposure points of contact, and exposure routes at the points of contact. The HHRA for all study areas focuses on the exposure pathways expected to contribute most to total exposures, including ingestion of soil and, for specific receptors discussed below, house dust. The CSM is presented as Figure 2-1, and the pathway screening is described below. Within the air deposition study area and the Culvert 105 study area north of the canal, receptors of concern include child and adult Middleport residents and workers at Middleport commercial and industrial businesses. Within the Culvert 105 study area and Wooded Parcel, receptors of concern include utility workers.¹⁰ Within the Roy-Hart school property, receptors of concern include middle school and high school children. This HHRA focuses only on residents, utility workers, and schoolchildren. Specific risk estimates are not included for commercial/industrial workers. Relevant soil concentration data have been collected at various depths from all types of properties present in Middleport, including industrial and commercial properties. Because the risk analyses for the air deposition study area and the Culvert 105 study area north of the canal employ a residential exposure scenario, selection of CMAs for commercial/industrial properties may be adjusted to reflect the reduced exposure potential for workers compared with residents. The exposure scenarios for each study area and the exposure pathways quantified are summarized below. The rationale for the scenario and pathway selection is discussed below.

¹⁰ Although child and adult Middleport residents and workers at Middleport commercial and industrial businesses may be receptors within the Culvert 105 study area, these receptors are already being evaluated for the air deposition study area and the Culvert 105 study area north of the canal. The Culvert 105 study area overlaps, and is entirely contained within, the air deposition study area and the Culvert 105 study area north of the canal.

Residential Scenarios

Child and adult residents in both the air deposition study area and Culvert 105 study area north of the canal were evaluated for exposure to arsenic via the following pathways:

- Incidental ingestion of soil
- Incidental ingestion of house dust
- Dermal contact with soil (default deterministic analysis only)
- Dermal contact with house dust (default deterministic analysis only).

Utility Worker Scenarios

Utility workers both along Culvert 105 and within the Wooded Parcel were evaluated for exposure to arsenic via the following pathways:

- Incidental ingestion of soil
- Dermal contact with soil (default deterministic analysis only).

Schoolchild Scenario

Schoolchildren were evaluated for exposure to arsenic via the following pathways:

- Incidental ingestion of soil
- Incidental ingestion of indoor dust
- Dermal contact with soil (default deterministic analysis only)
- Dermal contact with indoor dust (default deterministic analysis only).

Primary or complete exposure routes applicable to residents within the air deposition study area and the Culvert 105 study area north of the canal are divided into those evaluated quantitatively and those evaluated qualitatively. Those quantified in the initial deterministic risk analyses include ingestion of and dermal contact with soil and house dust. Exposure routes evaluated qualitatively include inhalation of suspended particulates and consumption of homegrown produce. Potential pathways identified in the site-wide CSM that are incomplete in the air deposition study area and the Culvert 105 study area north of the canal include ingestion of, dermal contact with, and inhalation of vapors from private well water, dermal contact with and inhalation of vapors from groundwater, dermal contact with and ingestion of surface water, ingestion of and dermal contact with sediments, and ingestion of fish. The rationale for these exposure route classifications follows.

As noted above, for both child and adult residents, incidental ingestion of soil and house dust were quantified. Because a majority of soil contact for a resident is at the ground surface, only surface soils were incorporated into the residential scenario exposure analyses.¹¹ As described later in this report (Section 2.3), house dust arsenic concentrations in Middleport were not found to correlate with yard soil arsenic concentrations. Thus, although house dust arsenic was conservatively assumed to contribute to site-related exposures, it was not assumed that house dust concentrations would change after soil remediation.

Intake of arsenic via the dermal pathway was also quantified in the initial deterministic risk analyses using EPA default values. Subsequent site-specific deterministic and, when applicable, probabilistic analyses incorporated site-specific evidence of minimal transfer of arsenic across the skin (Exponent 2007 and Lowney et al. 2007, provided in Attachment 8). A study in monkeys that included a soil sample collected from the Middleport site found 0.5 percent or less dermal absorption of arsenic from each of two soil samples. Following application of arsenic-bearing soils to the abdomens of the monkeys, urinary arsenic excretion could not be readily distinguished from background (Lowney et al. 2007), suggesting that absorption was negligible. Therefore, dermal absorption was not included in site-specific deterministic and probabilistic analyses.

Arsenic exposure through inhalation of suspended particulates was only evaluated qualitatively because risks associated with inhaled dust are typically orders of magnitude lower than risks associated with other exposure pathways, unless unusual circumstances are present. This point is illustrated by considering EPA's residential SSLs: the SSL for inhalation of fugitive particulates for arsenic is 1,875 times higher than the SSL for soil ingestion (USEPA 1996).¹² The vegetation cover throughout most of Middleport is also expected to minimize the potential for wind erosion and transport of soil.

Surface water is only intermittently present within the boundaries of the air deposition study area or the Culvert 105 study area north of the canal, so it is not considered a source of exposure. Exposure through contact with groundwater was not evaluated because there is little potential for migration of soil arsenic to groundwater and because, to our knowledge, groundwater is not used for drinking water. The materials sampled in the study areas are more accurately soils rather than sediments, so exposures to sediments are not considered relevant for the purposes of this HHRA.

As shown by several studies, arsenic exposures through consumption of homegrown produce are likely to be far exceeded by arsenic intake from purchased foods unrelated to the site. Biomonitoring previously conducted in Middleport found no correlation between consumption of homegrown produce and urinary arsenic levels (Tsuji et al. 2005), which is consistent with

¹¹ Potential residential exposures to subsurface soil are discussed in Section 5.4.

¹² The same point can be made when considering EPA's current regional screening levels (RSLs): the RSL for inhalation of fugitive particulates for arsenic is 1,791 times higher than the RSL for soil ingestion (USEPA 2010a).

findings from other studies (Hwang et al. 1997; Polissar et al. 1987; UCDEH 1997). A recent comprehensive risk assessment conducted by EPA for a Denver, Colorado, site also indicated minimal incremental arsenic exposures via homegrown produce (USEPA 2001b). Based on this body of evidence that includes a site-specific study, dietary intake from homegrown produce was not quantified in this risk assessment.

For the Culvert 105 study area and Wooded Parcel, the primary receptors of concern are utility workers performing maintenance activities along Culvert 105, or installing or maintaining utility lines (e.g., water, gas, power, communication) within the Wooded Parcel property. In areas where the culvert is buried and in the Wooded Parcel, this could involve trench work and result in exposure to surface and subsurface soils. For these exposure scenarios, the exposure pathways to be quantified are incidental ingestion of and, for default analysis only, dermal contact with soil.

For the Roy-Hart school property, the primary receptors of concern are middle school- and high school-aged children. Similar to the child resident, incidental ingestion of surface soil and indoor dust were quantified for the schoolchild. Intake of arsenic via the dermal pathway was also quantified in the initial deterministic risk analyses, but not in subsequent site-specific deterministic analyses. Schoolyard risks were evaluated previously by the Agencies, who noted that potential carcinogenic risks to students posed by the “post-ICM” soil arsenic levels in the schoolyard exposure areas and the risks posed by background soil arsenic concentrations were “similar” (USEPA et al. 1999).

2.2 DATA SUMMARY

Barring cleanup, concentrations of metals in soil are not expected to change significantly over time, and for this reason, all data of good quality collected between 1985 and 2009 were included in the HHRA. A summary of the contaminant data used for COC screening is provided in Section 2.3. A summary of the arsenic data used for evaluating risks is provided in Section 2.4. Data quality and adequacy are discussed below.

Data quality was evaluated previously, and decisions regarding which data to include or exclude are documented in Volumes II and IV of the RFI report (ARCADIS 2009a,b). Only data considered to be of sufficient quality for use in risk assessment were used in the HHRA.

Probabilistic risk analysis methods require a data set of sufficient quantity and quality to produce a distribution that is representative of the critical input parameters. The following data sets created for the study areas are of sufficient sizes to support a community-wide risk assessment (Attachment 2):

- Air deposition study area: 1,873 surface soil samples
- Culvert 105 study area north of canal: 288 surface soil samples
- Culvert 105 study area: 408 surface and subsurface soil samples
- Wooded Parcel: 94 surface and subsurface soil samples
- Roy-Hart school property: 145 surface soil samples.

The distributions of the background data sets and the data sets for each CMS area under pre-ICM, current, and post-CMA conditions were evaluated (Attachment 2). A majority of the distributions were identified as lognormal. Other distributions identified include Weibull, beta, and max extreme.

The available CMS area and background surface soil sample data sets were evaluated and found to be of sufficient quantity and quality to support a probabilistic risk analysis approach for surface soil (Attachment 2). Additional details regarding derivation and evaluation of the study area and background surface soil arsenic data sets are provided in Attachment 2. Data set distributions and EPCs are provided in Section 3.3.1.

2.3 IDENTIFICATION OF CONSTITUENTS OF CONCERN

Arsenic has been identified as the primary COC for the Middleport HHRA, based on its presence in area soils and the potential that historical FMC facility activities may have contributed to concentrations exceeding background (ARCADIS 2009a,b). Delineation of other constituents in addition to arsenic that are potentially FMC-related in soil samples within the three study areas has also been conducted and is presented in Volumes II and IV of the RFI report (ARCADIS 2009a,b). As part of the delineation, non-arsenic constituent data were compared to background concentrations of metals in soil in the Middleport area, to the SSLs previously presented in the 1999 draft RFI report (CRA 1999¹³), and to the NYSDEC SCOs identified in NYCRR Subpart 375-6.8(b). However, to determine whether further risk-based evaluation of these non-arsenic constituents was needed, additional screening, described below, was conducted for three categories of site soils.

2.3.1 Evaluation of Non-Arsenic Constituents of Potential Concern

Surface and subsurface soil samples collected for the three study areas (air deposition study area, Culvert 105 study area north of the canal, and Culvert 105 study area) have been tested for a wide range of constituents on the master compound list (see Appendix 2A of the RFI report, Volume I [ARCADIS and AMEC Geomatrix 2009]). This list was developed to represent materials used and/or produced at the facility prior to 1988, including known degradation

¹³ CRA (1999) is also cited as the source for the screening levels in the 2009 RFI reports (ARCADIS 2009a,b).

products and impurities. Included on the master compound list is the off-site investigation parameter list (see Table 3.2 of the RFI report, Volumes II and IV [ARCADIS 2009a,b]), which was developed based on criteria that included the quantity of a compound handled at the facility, and its persistence and mobility in the environment.

Data considered in this evaluation were obtained from the Appendix D tables presented in Volumes II and IV of the RFI report (ARCADIS 2009a,b). Sample data for site soils that were previously removed or excavated were omitted from this screening evaluation. Backfill soils used in place of excavated or removed soils were tested for arsenic and other constituents to confirm that the soil was “clean” and pre-approved by the Agencies for use as backfill. Backfill soil concentrations were not included in this screening evaluation. For sample results reported as undetected, the reported detection limit at its full concentration value was considered in the screening. Duplicate results reported for the same sample were averaged prior to screening. Split sample results reported by both FMC and the Agencies were not combined prior to screening. Summary statistics for constituents included in the screening are presented for the air deposition study area, Culvert 105 study area north of the canal, and Culvert 105 study area subsurface soils in Tables 2-1, 2-2, and 2-3, respectively.¹⁴

Based on this screening, remediation alternatives are based on arsenic concentrations alone. While other constituents (lead, other metals, and chlorinated pesticides) have been detected during the various sampling events at locations within the study areas, as described below, these constituents are not considered constituents of potential human health concern for the CMS based on their low frequency of detection, low concentrations, infrequent occurrence above screening levels, and/or occurrence due to natural conditions or non-site-related activities.

2.3.1.1 Soil Screening Values

Table 2-4 summarizes all of the soil screening values used in this screening evaluation. Consistent with the letter from FMC to the Agencies dated March 28, 2008 (FMC 2008), evaluation of non-arsenic constituents of potential concern used the soil screening values that were presented in the 1999 draft RFI report (CRA 1999). These soil screening values consisted of health risk-based SSLs derived for residential and industrial settings using conservative, non-site-specific assumptions and protocols in accordance with EPA guidance (USEPA 1996).

As noted in EPA’s soil screening guidance (USEPA 1996), SSLs alone are not considered regulatory agency “triggers” for response actions, nor do they define unacceptable concentrations of constituents in soil. Rather, SSLs can be used to screen out contaminants, areas, and conditions that do not warrant further investigation or action.

¹⁴ The chemical lists in Tables 2-1, 2-2, and 2-3 are consistent with those addressed in Volumes II and IV of the RFI report (ARCADIS 2009a,b). Each chemical listed was analyzed at least once in one of the three study areas.

Table 2-4 includes the SSLs for both the ingestion and inhalation pathways for both residential and industrial settings. The non-arsenic soil analytical data for each study area were compared to the lowest of the following: 1) the ingestion SSL value for the residential land use type; 2) the inhalation SSL value for the residential land use type; or 3) the saturation concentration, if applicable. In addition, the non-arsenic soil analytical data for each study area were also compared to the lowest of the following: 1) the ingestion SSL value for the industrial land use type; 2) the inhalation SSL value for the industrial land use type; or 3) the saturation concentration, if applicable.

In addition to the SSLs, Table 2-4 also includes residential and industrial SCOs identified in NYCRR Subpart 375-6.8(b). SCOs were promulgated in 2006 by NYSDEC for a wide variety of constituents and with consideration of different property types/usage. The SCOs were developed from ecological and human health-based criteria, and in some cases, from a state-wide background database. The Agencies have indicated that the SCOs, presented in 6 NYCRR Subpart 375-6.8(b) of the NYSDEC regulations, are appropriate for use as comparison criteria in the RFI for the non-arsenic constituents (ARCADIS 2009a,b). The non-arsenic soil analytical data for each study area were compared to residential and industrial SCOs, where available.

2.3.1.2 Soil Background Levels

The presence of naturally occurring metals in soil and anthropogenic sources of many of the site-related constituents that are not related to past facility operations complicates the evaluation of the source, nature, and extent of these constituents. Past activities that involved these constituents within the study areas, but are not related to facility operations, include:

- Using imported fill of unknown origin for excavation projects and grading
- Storing coal and depositing coal ash
- Using lead-based paints
- Disposing of wastes (e.g., household trash, lead-based paint chips, etc.)
- Using pesticides, lawn and plant care products (e.g., fertilizers, amendments), and/or other chemicals at residential, municipal, governmental, school, agricultural, and commercial properties
- Using pressure-treated lumber
- Releasing emissions (e.g., vehicular traffic).

As discussed in Volumes II and IV of the RFI report (ARCADIS 2009a,b), between 1985 and 1993, studies conducted to evaluate the background concentration of arsenic in soil in the Middleport area also included evaluation of other metals, including those on the off-site parameter list and others. Table 8.1 of Volume II of the RFI report (ARCADIS 2009a) provides the combined results for each metal in 13 soil samples collected at 11 locations, where the

locations were identified by the Agencies in a letter to FMC dated January 24, 1996 (NYSDEC and USEPA 1996). The 11 sampling locations are variously located approximately 0.5 to 2 miles east of the facility and approximately 2.5 to 5 miles west of the facility.

These background data were considered, as appropriate, within the context of the constituent screening presented below for each study area.

2.3.2 Evaluation of Constituents of Potential Concern in Surface Soils within Air Deposition Study Area

Within the air deposition study area, sample results are reported for most of the chlorinated pesticides, metals, phenolic compounds, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs) listed in Table 2-1. Results are also reported for some furans and carbamates as well as other miscellaneous compounds. Analytical results for chlorinated herbicides and organophosphate pesticides were not available for this study area.

As shown in Table 2-1, for many of the analytes, including the vast majority of VOCs and SVOCs, the frequency of analysis was low and the frequency of detection was 0 percent. Most frequently detected constituents included: 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, lead, aluminum, barium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, mercury, nickel, potassium, titanium, vanadium, zinc, and naphthalene. Of these, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, lead, aluminum, copper, iron, manganese, mercury, and zinc are on the off-site investigation parameter list.¹⁵

Analytical results (maximum reported concentrations or detection limits) of the following 11 constituents were greater than one or both of the residential screening values (Table 2-5): 4,4'-DDE, aldrin, beta-benzohexachloride (BHC), dieldrin, heptachlor epoxide, toxaphene, beryllium, cadmium, chromium, iron, and thallium. However, the maximum reported concentrations were lower than the industrial SSLs and SCOs in all cases where values were available for comparison. Five of these constituents were never detected, but the maximum reported detection limits exceeded residential screening values. These included aldrin, heptachlor epoxide, toxaphene, cadmium, and thallium. For cadmium, 5 of the 11 sample results had detection limits ranging from 3 to 4 mg/kg, slightly above the residential SCO of 2.5 mg/kg, but well below the residential SSL of 78.2 mg/kg. The cadmium residential SCO represents the rural soil background concentration determined by the NYSDEC and NYSDOH (2006) rural soil survey. For thallium, six of the eight samples with nondetect results had detection limits that exceeded the residential SSL. However, all of the detection limits were within the range of values reported for thallium in the background sampling locations identified by the Agencies in 1996. NYSDEC has not published a residential SCO for thallium.

¹⁵ The off-site investigation parameter list is a subset of the master compound list developed based on criteria including the quantity of a compound handled at the facility and its persistence and mobility in the environment.

Both residential screening values were exceeded for 4,4'-DDE and aldrin. The residential SCO was exceeded for beta-BHC and dieldrin. The SCO for beta-BHC is considerably lower (72 mg/kg) than the corresponding SSL (356 mg/kg). In contrast, the SCO and SSL for dieldrin are very similar (39 and 40 mg/kg, respectively). The single detection limit for dieldrin that exceeded the SCO was 40 mg/kg, equivalent to the SSL. Heptachlor epoxide and toxaphene exceeded only their residential SSLs. No residential SCOs have been published for these constituents. For all six constituents, the exceedances occurred at a single surface soil sample (location identification "1") collected as part of the 1986 NYSDEC Roy-Hart site investigation. None of the other 6 to 10 sample results reported for these constituents exceeded the residential screening values.

For chromium, three sample results (each reported at 40 mg/kg) slightly exceeded the residential SCO (36 mg/kg), but all were well below the residential SSL (270 mg/kg). All three results were associated with two surface samples (SS-01-85 [a split sample] and SS-02-85) collected during the 1985 Roy-Hart surface soil sampling and analysis program.

For beryllium, all results exceeded the residential SSL of 0.15 mg/kg, but were well below the residential SCO, and all of the detected concentrations were within the range of values reported for beryllium in the background sampling locations identified by the Agencies in 1996. However, the detection limits for two of the five undetected results reported for beryllium exceeded this background range. As with chromium, the two high detection limit samples were SS-01-85 and SS-02-85 collected during the 1985 school property sampling. Neither chromium nor beryllium is on the off-site investigation parameter list.

For iron, detections reported for three samples exceeded the residential SSL, but all were within the range of values reported for iron in the background sampling locations identified by the Agencies in 1996.

Based on consideration of the above screening evaluation, none of the 11 constituents that exceeded one or both residential screening values was carried forward for further evaluation in the HHRA (Table 2-5). For these constituents, exceedances were generally associated with a low frequency of detection and/or sporadically high detection limits. As discussed above, results exceeding screening values generally occurred infrequently, were close to the screening level values, and were within background range for those constituents where background data were available.

2.3.3 Evaluation of Constituents of Potential Concern in Surface Soils within Culvert 105 Study Area North of the Canal

As summarized in Table 2-2, within the Culvert 105 study area north of the canal, sample results are reported for most of the chlorinated pesticides, phenolic compounds, furans and

carbamates, chlorinated herbicides, and organophosphate pesticides, but only for a limited number of metals and no VOCs or SVOCs.

As shown in Table 2-2, for many of the analytes, the number of sample results was low and the frequency of detection was 0 percent. Most frequently detected constituents included 4,4'-DDE, 4,4'-DDT, lead, aluminum, cadmium, copper, iron, manganese, and zinc, all of which are on the off-site investigation parameter list.¹⁶

Maximum result concentrations were greater than one or both of the residential screening values for the following seven constituents: aldrin, beta-BHC, dieldrin, toxaphene, lead, cadmium, and 4,6-dinitro-2-methylphenol (Table 2-6). However, the maximum concentration reported for each constituent was lower than the constituent's industrial SSL and SCO in all cases where values were available for comparison, with one exception, beta-BHC. For this constituent, exceedance of the industrial screening values was attributable to a single surface soil sample: sample C-6, which was collected during the off-site investigation in 1990. This sample was also the only one where beta-BHC exceeded both residential screening values. As described in the RFI report, Volume IV (ARCADIS 2009b), the result reported for beta-BHC in this sample is considered suspect for several reasons:

- "Sample C-6 (0- to 6-inch) was reported in Table 5.20 of the OSI [Off-Site Investigation] Report (CRA 1993) to contain beta-BHC at a concentration of 51 mg/kg, and no detectable levels of the other three (alpha, delta, gamma) target BHC isomers, with a reporting limit three orders of magnitude lower (0.02 mg/kg)."
- "Elevated levels of beta-BHC are not expected to be found in the absence of other isomers because technical-grade BHC contains a mixture of isomers, with a composition of approximately 5 to 12 percent beta-BHC, 10 to 15 percent gamma-BHC, 60 to 70 percent alpha-BHC, and the balance as other isomers (Agency for Toxic Substances and Disease Registry [ATSDR] 2005)."
- "Upstream, downstream, and other nearby samples do not exhibit elevated levels of beta-BHC, including sample C-6 (6- to 12-inch interval), with no detectable levels at a reporting limit of 0.083 mg/kg. A total of 82 other soil samples were analyzed for beta-BHC, and the next highest reported concentration was 0.14 mg/kg, approximately 360 times lower than the value reported for sample C-6 (0- to 6-inch)."

Consequently, beta-BHC was not carried forward for further risk evaluation in the HHRA based on a low frequency of detection and the suspect result, which represents the only screening value exceedance.

¹⁶ The off-site investigation parameter list is a subset of the master compound list developed based on criteria including the quantity of a compound handled at the facility and its persistence and mobility in the environment.

Each of the remaining six constituents exceeding residential screening values, except 4,6-dinitro-2-methylphenol, is on the off-site investigation parameter list. Aldrin, toxaphene, and 4,6-dinitro-2-methylphenol were never detected, but were reported with detection limits that exceeded the corresponding screening values. For aldrin, 1 of the 18 undetected results reported a detection limit (20 µg/kg) that was slightly greater than the residential SCO (19 µg/kg), but lower than the residential SSL (37.7 mg/kg). For toxaphene, 3 of the 18 undetected results had detection limits above the residential SSL (920 to 1,100 µg/kg versus the residential SSL of 582 µg/kg). NYSDEC has not published a residential SCO for toxaphene. For 4,6-dinitro-2-methylphenol, only two results were reported for samples remaining in this area. Both were nondetects, but had high detection limits that exceeded residential screening values (11 and 41 mg/kg versus the residential SSL of 7.8 mg/kg).

For cadmium, one of the two sample results (2.7 mg/kg) slightly exceeded the residential SCO of 2.5 mg/kg, but was well below the residential SSL of 78.2 mg/kg. As stated previously, the cadmium residential SCO represents the rural soil background concentration determined by a NYSDEC and NYSDOH (2006) rural soil survey. For lead, 1 of 19 sample results (492 mg/kg) was slightly greater than the residential SSL and SCO, both 400 mg/kg.

For dieldrin, 3 of the 19 sample results were detected and each of these detected results (48, 84, and 290 mg/kg) exceeded residential screening values (SCO = 39 mg/kg; SSL = 40 mg/kg). Evaluation with the RFI report of the distribution of dieldrin within Culvert 105 indicated a pattern that is not consistent with the pattern expected if originating from the facility (ARCADIS 2009b). Specifically, the distribution was not consistent with the expectation of higher concentrations upstream and concentrations decreasing with distance downstream. For that reason, the dieldrin detections are unlikely to be related to the facility, and dieldrin was not carried forward for further evaluation in the HHRA.

With the exception of 4,6-dinitro-2-methylphenol and dieldrin, the frequency of elevated results for surface soils within the Culvert 105 study area north of the canal was low and generally associated with nondetects having high detection limits. Detected results above screening levels occurred for lead and cadmium, but were infrequent and close to the screening values. Based on these considerations, aldrin, toxaphene, lead, and cadmium were not carried forward for further evaluation in the HHRA (Table 2-6).

4,6-Dinitro-2-methylphenol is a constituent identified on the master compound list, but not on the off-site investigation parameter list. Given the limited data available for this constituent, excavated sample data were also reviewed to better understand the frequency of detection for this constituent. This review revealed high detection limits (10 to 24 mg/kg) throughout the additional limited excavated data and no detections. Based on the low frequency of detection, elevated detection limit issues, limited data availability, and the absence of this constituent from the off-site parameter investigation list, 4,6-dinitro-2-methylphenol was not carried forward for further evaluation in the HHRA.

2.3.4 Evaluation of Constituents of Potential Concern within Culvert 105 Study Area Subsurface Soils

As summarized in Table 2-3, Culvert 105 subsurface soil sample results are reported for most of the chlorinated pesticides, phenolic compounds, furans and carbamates, chlorinated herbicides, and organophosphate pesticides, but only for a limited number of metals and no VOCs or SVOCs.

As shown in Table 2-3, for many of the analytes, the frequency of analysis was low and the frequency of detection was 0 percent. Most frequently detected constituents included lead, aluminum, cadmium, copper, iron, manganese, and zinc. All of these constituents are on the off-site investigation parameter list.¹⁷

Constituents in Culvert 105 subsurface soils were evaluated in the risk assessment for exposures to utility workers. However, it is possible that, during utility work, subsurface soils could be brought to the surface where residents could be in contact with them. Therefore, both residential and industrial screening values were compared to Culvert 105 subsurface soil concentrations in this screening.

The maximum concentration reported for each constituent was lower than the constituent's industrial SSL and SCO in all cases where values were available for comparison. Maximum results for the following 11 constituents exceeded one or both of their residential screening values: aldrin, beta-BHC, alpha- and gamma-chlordane, dieldrin, heptachlor epoxide, isodrin, toxaphene, lead, iron, and 4,6-dinitro-2-methylphenol (Table 2-7).

Six of the listed constituents (aldrin, beta-BHC, heptachlor epoxide, isodrin, toxaphene, and 4,6-dinitro-2-methylphenol) were detected in 5 percent or fewer of the samples analyzed for them. As discussed previously (Section 2.3.3), 4,6-dinitro-2-methylphenol was eliminated from further consideration because it was never detected and it is not on the off-site investigation parameter list. The exceedances of residential screening levels reported for the other five constituents were limited to a few elevated detection limits. Aldrin and toxaphene were never detected in any of the three study areas.

The exceedances of residential screening levels reported for alpha- and gamma-chlordane were limited to 1 elevated detection limit out of 61 samples analyzed for each chemical. Only 1 result out of 62 samples analyzed for lead exceeded the residential screening levels. The concentrations of iron were within the background concentrations determined by the NYSDEC and NYSDOH (2006) rural soil survey. As discussed previously in Section 2.3.3, the distribution of dieldrin along Culvert 105 was not consistent with FMC as a source of this chemical.

¹⁷ The off-site investigation parameter list is a subset of the master compound list developed based on criteria including the quantity of a compound handled at the facility and its persistence and mobility in the environment.

Based on these considerations, none of the non-arsenic constituents in Culvert 105 subsurface soils was carried forward for further evaluation in the HHRA (Table 2-7).

2.4 ARSENIC CONCENTRATION DATA

Arsenic concentration data are available for surface and subsurface soil samples collected in Middleport, surface soil samples collected in a town representative of background conditions, and house dust samples collected in Middleport. The data were used to compile study area distributions representative of the various CMAs evaluated in this HHRA. For surface and subsurface soil, all available data from all properties within each study area were used for pre-ICM distributions, whereas current, post-ICM condition distributions were modified by replacing pre-ICM sample concentrations with backfill concentrations where removals had occurred. Similarly, for CMAs 2 through 8, projected backfill concentrations were substituted for reported concentrations for samples subject to future removal. This process, discussed further in Attachment 2, was needed because assessment of the effectiveness of the various CMAs requires that exposures throughout the study area be included. Following is a discussion of how these site-specific data were compiled for inclusion in both deterministic and probabilistic risk analyses.

2.4.1 Surface Soil

Surface soil data were compiled to support the residential scenarios (see Section 2.1). The derivation of the post-CMA data sets is described further in Attachment 2 and the CMS report.

2.4.1.1 Air Deposition Study Area Data Sets

ARCADIS provided Integral with several sources of arsenic and other chemical data for soil samples collected in the air deposition study area and elsewhere in Middleport. As described in Attachment 2, the resulting Middleport HHRA arsenic database of 5,542 data points was filtered to create multiple surface soil arsenic sample data sets,¹⁸ each containing 1,873 samples used for the risk assessment within the air deposition study area. A surface sample is defined as one having a start depth of 0 in. below ground surface (bgs) (end depths vary from 0 to 6 in. bgs).

The surface soil arsenic sample data set for current (post-ICM) conditions in the air deposition study area is shown in Figure 2-2. The unevenness of the data seen at the low end of the distribution is evidence of a large increase in very low values due to low backfill arsenic concentrations following remediation of select properties. Data sets for pre-ICM and post-CMA conditions in the air deposition study area are shown in Attachment 2.

¹⁸ Multiple data sets were created for each study area because different data sets, where differing samples were replaced with backfill concentrations, were needed to represent each CMA.

2.4.1.2 Culvert 105 Study Area North of the Canal Data Sets

ARCADIS also provided Integral with sources of arsenic and other chemical data for soil samples collected in the Culvert 105 study area north of the canal. The Middleport HHRA arsenic database of 5,542 data points was filtered in the same manner used for the air deposition study area data, as described in Attachment 2, to create the 288-sample surface soil data sets used for the risk assessment within the Culvert 105 study area north of the canal. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 3 to 6 in. bgs).

The surface soil arsenic sample data set for current (post-ICM) conditions in the Culvert 105 study area north of the canal is shown in Figure 2-3. The unevenness of the data seen at the low end of the distribution is evidence of a large increase in very low values due to low backfill arsenic concentrations following remediation of select properties. Data sets for pre-ICM and post-CMA conditions in the Culvert 105 study area north of the canal are shown in Attachment 2.

2.4.1.3 Roy-Hart School Property Data Sets

As previously stated, the Roy-Hart school property is located within the air deposition study area. Therefore, the Middleport HHRA arsenic database of 5,542 data points filtered for the air deposition study area analyses was filtered further, as described in Attachment 2, to create the 145-sample surface soil data sets used for the risk assessment within the Roy-Hart school property. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 0 to 6 in. bgs).

The surface soil arsenic sample data set for current (post-ICM) conditions within the Roy-Hart school property is shown in Figure 2-4. The unevenness of the data seen at the low end of the distribution is attributable to a large increase in very low values due to low backfill arsenic concentrations following remediation of select areas within the property. An additional data set for pre-ICM conditions within the Roy-Hart school property is shown in Attachment 2.

2.4.1.4 Background Data Sets

Middleport background conditions are assumed to be represented by the soil arsenic concentrations in Gasport, New York, a town located 4.5 miles west of Middleport with similar soil characteristics and historical land uses, but not potentially impacted by historical FMC plant operations. As briefly described in Section 3.3.1.1 and further detailed in Attachment 2, background data sets were generated based on 103 surface soil samples (start depth 0 in. bgs, end depth 3 in. bgs) collected in Gasport and documented in Table 1 of *Development of Arsenic Background in Middleport Soils* (CRA 2003). The Middleport surface soil data sets cannot be compared directly to the Gasport surface soil data set because the Gasport samples were not collected from particular property categories (e.g., residential, agricultural) in the same proportions as have been present historically within Middleport. Instead, background data sets

expected to be representative of background conditions in Middleport without the influence of the FMC facility were created by applying Middleport property type data for both the air deposition study area and Culvert 105 study area north of the canal to the Gasport data set. Although this step had previously been done for the entire Middleport study area to create a distribution of expected background arsenic levels in Middleport, it was necessary to follow this procedure again for this risk assessment because the previously generated background distribution was representative of a larger area that encompasses the air deposition study area, the Culvert 105 study area north of the canal, as well as additional land beyond these two study areas. To compare site-related data to background for these smaller study areas considered in the risk assessment, it is necessary to generate a background concentration distribution for each study area.

Figure 2-5 shows two of eight available background data sets generated by incorporating the 2001 Gasport Background Study Work Plan Method (2001 Work Plan Method) calculations¹⁹ for the air deposition study area and the Culvert 105 study area north of the canal, and including the four potential outliers. These background data sets were used for subsequent risk analyses (Section 5), as discussed in Section 3.3.1.1. The impacts of using the remaining background data sets are evaluated in Section 6.

2.4.2 Surface plus Subsurface Soil

Surface and subsurface data were compiled to support the utility worker scenarios (see Section 2.1). The derivation of the post-CMA data sets is described further in the CMS report.

2.4.2.1 Culvert 105 Study Area Data Sets

For the CMS, the Culvert 105 study area is defined in accordance with RFI report Volume IV (ARCADIS 2009b) and includes, per Figure 1.2 of the report, any property traversed by Culvert 105 and several properties not traversed by Culvert 105, but potentially impacted by its historical flood zone. For the purposes of this HHRA, the Culvert 105 study area data set is limited to samples within 5 ft. of the centerline of the culvert, which consists of a combination of buried pipes and open ditches. Because the Culvert 105 study area was evaluated using a utility worker scenario, limiting the data set to within 5 ft. of Culvert 105 captures the soils to which a culvert utility worker might reasonably be exposed.²⁰ A utility worker might be exposed to both surface and subsurface soil samples, so samples at all depths were considered relevant.

¹⁹ Refer to Attachment 2 for a description of the calculation methods.

²⁰ The Culvert 105 study area overlaps, and is entirely contained within, the air deposition study area and the Culvert 105 study area north of the canal; the surface soils in both of which were evaluated under residential scenarios. Therefore, areas within the Culvert 105 study area not evaluated under the utility worker scenario were evaluated under other scenarios.

Of the 5,542 data points in the Middleport HHRA arsenic database, 408 surface and subsurface soil samples were determined to be within approximately 5 ft. of the centerline of Culvert 105²¹ and were therefore included in the Culvert 105 study area data sets. The resulting surface and subsurface soil arsenic sample data set for current (post-ICM) conditions is shown in Figure 2-6. The unevenness of the data seen at the low end of the distribution is attributable to a large increase in very low values due to low backfill arsenic concentrations following remediation of select properties. Data sets for pre-ICM and post-CMA conditions in the Culvert 105 study area are shown in Attachment 2.

2.4.2.2 Wooded Parcel Study Area Data Sets

As previously stated, the Wooded Parcel is located within the air deposition study area. Therefore, the Middleport HHRA arsenic database of 5,542 data points filtered for the air deposition study area analyses was filtered further, as described in Attachment 2, to create the 94-sample surface and subsurface soil data sets used for the risk assessment within the Wooded Parcel. Because the Wooded Parcel was evaluated using a utility worker scenario, and a utility worker might also be exposed to both surface and subsurface soil samples, samples at all depths were considered relevant.

The surface and subsurface soil arsenic sample data set for current (post-ICM) conditions within the Wooded Parcel is shown in Figure 2-7. The unevenness of the data seen at the low end of the distribution is attributable to a large increase in very low values due to low backfill arsenic concentrations following remediation of select areas within the property. An additional data set for pre-ICM conditions within the Wooded Parcel is shown in Attachment 2.

2.4.3 House Dust

Site-specific house dust arsenic concentration data were collected from 96 homes in Middleport in the summer and fall of 2003 (Tsuji et al. 2005). Tsuji et al. (2005) also collected soil sample arsenic concentration data from a majority of the homes for which residents consented to house dust sampling. The authors found that arsenic in soil appeared to contribute little to arsenic in house dust and that house dust arsenic concentrations were not correlated with average or maximum soil arsenic concentrations. Therefore, study area house dust arsenic concentrations are assumed to be similar to background house dust arsenic concentrations, and the same concentration distribution could be used to represent both the study areas and background conditions.

²¹ The distances between Culvert 105 and collected samples were determined using surveyed locations, when available, and a GIS mapping tool. In the areas where the culvert has not been surveyed, samples potentially slightly more than 5 ft. from the culvert were included in the data set to be conservative for a utility worker exposure scenario.

An alternative source of background house dust data that was also considered is a study conducted in the winter of 1993 in 50 homes in 10 neighborhoods located across Ottawa, Ontario, in Canada (Rasmussen et al. 2001). Ottawa is located approximately 200 miles (straight-line distance) from Middleport and is considered a “non-industrial North American setting”; however, unlike Middleport, it is a major urban area. The geometric mean and maximum indoor dust values from the Rasmussen et al. (2001) study (4.9 and 79.5 mg/kg, respectively) are lower than those from the site-specific study (10.8 and 172 mg/kg, respectively).²² The Middleport data likely reflect the regional influence of historical arsenical pesticide use in orchards, a factor not expected to have as much influence in Ottawa.

Consistent with Tsuji et al. (2005) finding no correlation between site-specific soil and house dust arsenic concentrations, Rasmussen et al. (2001) noted that the variations in indoor/outdoor concentration ratios from one element to another and from one residence to another “make it difficult to accurately predict the contribution that soil makes to element concentrations in housedust.” Rasmussen et al. (2001) reported that the arithmetic mean dust concentration was higher than the soil (7.3 and 3.0 mg/kg, respectively), while Tsuji et al. (2005) reported that the geometric mean soil concentration was higher than the dust (20.6 and 10.8 mg/kg, respectively). Furthermore, for the Gasport background surface soil data sets, the mean soil arsenic concentrations are higher than both the mean soil and dust arsenic concentrations presented in the Rasmussen et al. study. Therefore, Rasmussen et al.’s dust data are not likely to be representative of Middleport background conditions. Given the lack of correlation between soil and house dust and the higher background soil arsenic concentrations indicated by the Gasport study, the site-specific house dust data presented in the Tsuji et al. study were determined to be most representative of historical and current conditions in Middleport and therefore used for all pre-ICM and current condition risk calculations. Use of the higher house dust concentration data is also conservative, because higher concentrations of arsenic in dust result in higher intakes of arsenic.

The site-specific house dust data in Tsuji et al. (2005) were also used for all post-CMA condition risk calculations and for all background risk calculations.

²² The arithmetic mean dust concentration for the Rasmussen et al. (2001) study is 7.3 mg/kg. The arithmetic mean site-specific dust concentration of 20.3 mg/kg was not reported in Tsuji et al. (2005) but can be found in Exponent (2004).

3 FMC'S EXPOSURE ASSESSMENT

Exposure assessment involves characterizing the temporal and spatial distributions of contaminants at the site, as well as refining the nature of receptor populations to be characterized and the specific exposure characteristics (e.g., contact rates, exposure frequency, exposure duration) to be used in deriving site-specific exposure estimates. The Agencies previously commented (see Attachment 7) that FMC should produce risk estimates by combining site-specific data on arsenic concentrations with exposure assumptions that are consistent with those used to derive the Soil Cleanup Objectives in 6 NYCRR Part 375. Some Middleport residents and groups representing residents have suggested that FMC incorporate site-specific exposure characteristics and data, when available, into risk estimates. Consequently, this HHRA includes both default and site-specific deterministic analyses, as well as probabilistic methods to characterize site-specific exposures. The approaches used to assess exposures were developed by FMC's experts and consultants (Integral and Environ) consistent with EPA exposure assessment guidance.

This is a community-wide risk assessment, meaning that the entire data sets within each designated study area were used to characterize the range of exposures of people within that study area. It is not practicable or appropriate to perform individual risk assessments on each of the 243 properties within the study area; however, the range of arsenic concentrations in the community is fully characterized by the arsenic concentration distribution used in the probabilistic analyses. For each remedial alternative evaluated, the properties within the CMS areas were evaluated individually to determine the need for remedial action based on the soil arsenic post-remediation goal(s). In accordance with EPA guidance, both central tendency (CTE) and reasonable upper end (RME) exposure estimates were identified for residents, workers, and schoolchildren in the applicable study areas. The resulting risk estimates were used to support evaluation of the CMAs within each study area. Once a CMA is selected, data from each individual property will be used to make property-specific remediation decisions.

For the deterministic assessments, point estimates were used for all input parameters. CTE values for input parameters to the deterministic assessments were estimated using mid-range values (e.g., average or median) identified in the source literature. RME values were estimated using a combination of mid-range values for some parameters and high-end values (e.g., 95th percentile or 95 percent upper confidence limit on the mean [95UCL]) for other parameters, so that the overall combination would yield the maximum exposure that is reasonably likely to occur. For the probabilistic assessments, a combination of distributions and point estimates were used, depending on the specific input parameter. Probabilistic assessments were conducted by Monte Carlo analysis using Crystal Ball® software (Gentry et al. 2005). A quantitative sensitivity analysis was performed to test the effect of certain input parameter distributions on the risk outcome. The results of the sensitivity analysis are discussed in Section 6.

3.1 FMC'S INTAKE ANALYSIS – GENERAL APPROACH AND EQUATIONS

Arsenic exposures were calculated using factors that incorporate scenario- and receptor-specific exposure assumptions. For the air deposition study area and Culvert 105 study area north of the canal, the receptors evaluated were child and adult Middleport residents. The exposure pathways evaluated were incidental ingestion of and dermal contact with arsenic in soil and house dust. Similar pathways were evaluated for schoolchildren attending school on the Roy-Hart school property. Two equations were used to calculate exposures for residents and schoolchildren. Equation 1, which was used to calculate intakes due to ingestion exposures, is a modification of the general equation presented in EPA risk assessment guidance (USEPA 1989). Equation 2, which was used to calculate intakes due to dermal exposures, is a modification of the general equation presented in EPA dermal assessment guidance (USEPA 2004b). Note that dermal exposures were quantified only for the default deterministic analyses because a site-specific study (described below) demonstrated negligible dermal absorption of arsenic from Middleport soil.

$$I = \frac{[(C_s \times EF_s \times FI_s) + (C_d \times EF_d \times FI_d)] \times IR \times ED \times RBA \times FS \times CF}{BW \times AT}$$

Equation 1. Soil and Dust Ingestion Equation for Residential and Schoolchild Scenarios

Where:

I	=	daily intake of contaminant (mg/kg-day)
C _s	=	contaminant concentration in soil (mg/kg)
EF _s	=	exposure frequency to soil (days/year)
FI _s	=	fractional intake from soil (unitless)
C _d	=	contaminant concentration in house dust (mg/kg)
EF _d	=	exposure frequency to house dust (days/year)
FI _d	=	fractional intake from house dust (unitless) = 1 - FI _s
IR	=	ingestion rate (mg/day)
ED	=	exposure duration (years)
RBA	=	relative bioavailability adjustment factor (unitless)
FS	=	fractional intake from source (unitless)
CF	=	conversion factor (1 × 10 ⁻⁶ kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (equal to ED × 365 days/year for noncarcinogens and 70 years × 365 days/year for carcinogens)

$$I = \frac{[(C_s \times EF_s \times FI_s) + (C_d \times EF_d \times FI_d)] \times EV \times AF \times SA \times ABS_d \times ED \times FS \times CF}{BW \times AT}$$

Equation 2. Soil and Dust Dermal Contact Equation for Residential and Schoolchild Scenarios

Where:

EV = event frequency (events/day)
 AF = adherence factor (mg/cm²-event)
 SA = surface area (cm²)
 ABS_d = contaminant-specific dermal absorption factor (unitless)
 (Other parameters are as defined above in Equation 1.)

The variables shown in Equations 1 and 2 are called exposure factors and vary depending on the receptor population being evaluated. For this HHRA, default and site-specific exposure factor values for residents and schoolchildren were obtained from a variety of sources. Site-specific soil and house dust arsenic concentration data were available, as discussed above, and were used to generate statistical values and probability density functions for contaminant concentration in soil and house dust. Site-specific arsenic relative bioavailability adjustment (RBA) data were also available. Data for other exposure factors were obtained from the literature. The *Exposure Factors Handbook Volume 1* (USEPA 1997b) and *Child-Specific Exposure Factors Handbook* (USEPA 2008b) were consulted as preferred exposure factor references, with updates supported by more recent studies applied, as appropriate.

For the residential and schoolchild scenario deterministic analyses, the values for some CTE and RME parameters varied between the default and the site-specific deterministic analyses, while the values for other parameters remained the same. For the probabilistic analyses evaluating residential scenarios only, exposure factors were in the form of either probability distributions (shown in Attachment 5) or point estimates, depending on the parameter and information available. Exposure factors and associated references are identified for the residential scenario default and site-specific deterministic analyses in Table 3-1, and for the probabilistic risk assessment in Table 3-2. If a receptor is not identified for a particular exposure factor, the exposure factor data shown are assumed to be representative of both child and adult residents. Exposure factors and associated references are identified for the schoolchild scenario deterministic analyses in Table 3-3. A rationale for use of the exposure factors is described below.

For the Culvert 105 study area and Wooded Parcel, the receptors evaluated were utility workers performing maintenance activities. Only incidental ingestion of and dermal contact with

arsenic in soil were evaluated, because utility workers will not contact indoor dust. Equations 3 and 4 are modifications of the soil and dust ingestion (Equation 1) and dermal contact intake (Equation 2) presented for residential exposures, with exposures to house dust eliminated. As was the case for assessing exposures of residents, dermal exposures were quantified only for the default deterministic analyses because a site-specific study (described below) demonstrated negligible dermal absorption of arsenic from Middleport soil.

$$I = \frac{C_s \times EF_s \times FI_s \times IR \times ED \times RBA \times FS \times CF}{BW \times AT}$$

Equation 3. Soil Ingestion Equation for Utility Worker Scenarios

Where:

I	=	daily intake of contaminant (mg/kg-day)
C _s	=	contaminant concentration in soil (mg/kg)
EF _s	=	exposure frequency to soil (days/year)
FI _s	=	fractional intake from soil (unitless)
IR	=	ingestion rate (mg/day)
ED	=	exposure duration (years)
RBA	=	relative bioavailability adjustment factor (unitless)
FS	=	fraction ingested from source (unitless)
CF	=	conversion factor (1 × 10 ⁻⁶ kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (equal to ED × 365 days/year for noncarcinogens and 70 years × 365 days/year for carcinogens)

$$I = \frac{C_s \times EF_s \times FI_s \times EV \times AF \times SA \times ABS_d \times ED \times FS \times CF}{BW \times AT}$$

Equation 4. Soil Dermal Contact Equation for Utility Worker Scenarios

Where:

EV	=	event frequency (events/day)
AF	=	adherence factor (mg/cm ² -event)
SA	=	surface area (cm ²)
ABS _d	=	contaminant-specific dermal absorption factor (unitless)
(Other parameters are as defined above in Equation 3.)		

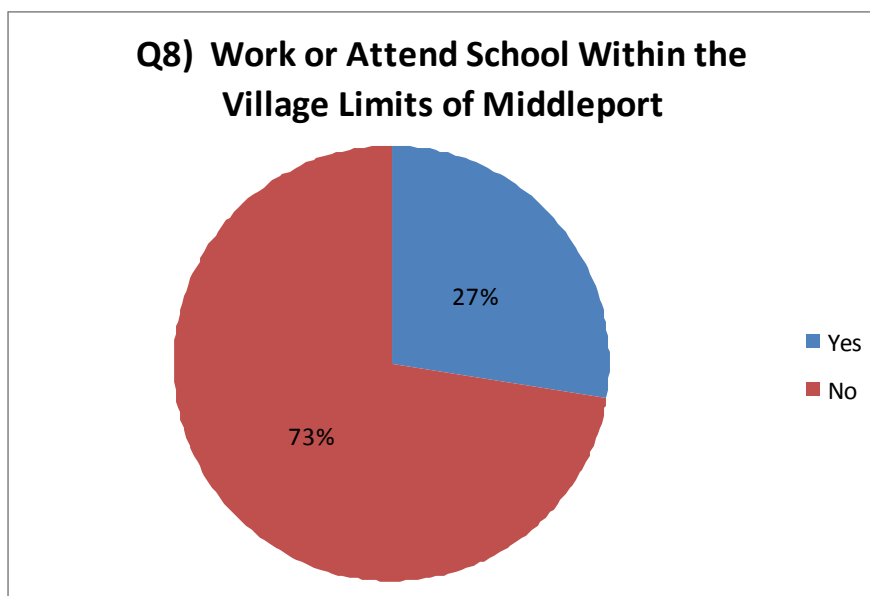
Exposure factor data for utility workers were obtained from a variety of sources. Site-specific soil arsenic concentration and RBA data were available, as discussed previously. Data for other exposure factors were obtained from the literature. The *Exposure Factors Handbook Volume 1* (USEPA 1997b) was consulted as a preferred exposure factor reference, with updates supported by more recent studies applied, as appropriate.

Utility worker scenario exposure factors are presented as point estimates for deterministic analyses. Exposure factors and associated references for utility worker scenario deterministic analyses are identified in Table 3-4. A rationale for use of the exposure factors is described below.

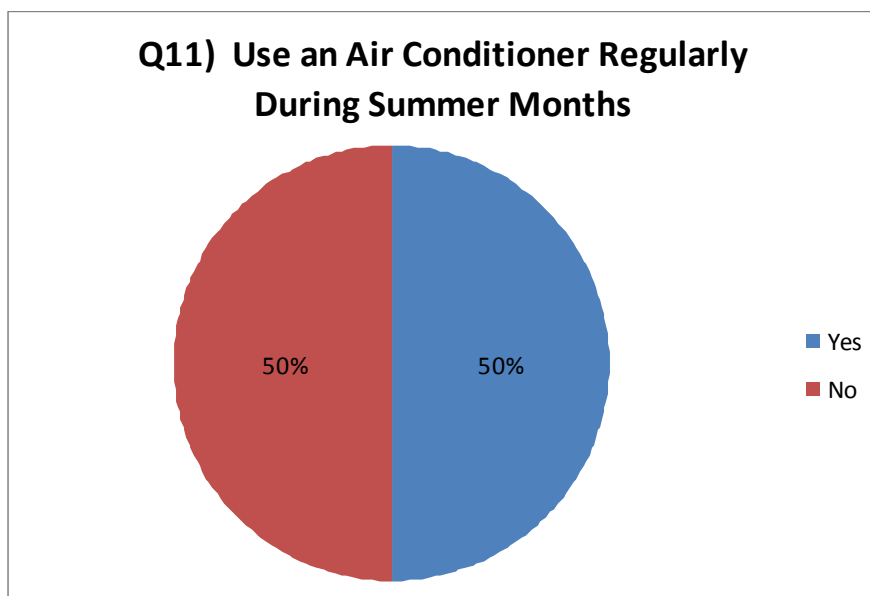
3.2 COMMUNITY SURVEY

To support the development of the residential scenario exposure factor assumptions, detailed in the sections below, a survey of the Middleport community was conducted in November and December 2009. The survey, a summary of which is provided in Attachment 3, consisted of a 31- question form available to residents of the Village of Middleport and nearby areas. The online or hardcopy (available at community meetings) form included questions related to respondent demographics and activities typically performed around the home. Of the 102 responses received, 53 percent were by males, 44 percent were by females, and 3 percent did not specify gender. The majority of survey participants were adults, with 86 percent of the participants being age 19 years or older, 3 percent being between the ages of 6 and 18 years, and 1 percent being between the ages of 0 and 6 years (10 percent of the participants did not list an age).

Most (91 percent) of the survey participants lived within the Village of Middleport. Of those individuals living outside of Middleport, 7 percent lived within 1 mile of Middleport and 2 percent did not specify location. About one quarter (27 percent) of the residents also worked or attended school in the village.



Virtually all of the participants lived in a residence with a yard, and 50 percent used an air conditioner regularly during the summer, a factor that could affect dust entering the home through open windows.



Exposure to soil will be affected by the kinds of surfaces in a yard and by the nature of the activities people engage in when they are outside. The survey revealed that relatively few people spent much time on bare dirt, and most often were on grass or a deck while outside. The most frequent activities included gardening, playing or supervising children who were playing, barbequing/picnicking, and relaxing on lawn furniture.

Q24-31) Amount of Time Spent on Different Surface Types ^a While in Yard						
Activity	Total No. Responses	Rank				
		1 (Most Often)	2	3	4	5 (Never)
Grass or other vegetation	99	59	14	16	6	4
Bare dirt	96	10	9	7	27	43
Beauty bark (wood chips)	97	3	4	9	16	65
Gravel	94	1	2	12	16	63
Concrete/stone patio	96	8	20	19	9	40
Wood deck	95	21	13	6	9	46
Other ^b	17	4	4	2	0	7
Notes:						
^a Not including garden.						
^b "Other" surfaces may overlap listed surfaces or not be considered "yard". Surfaces identified as "other" include Blacktop driveway, front porch, canal bank, barn, dirt/stone garage floor, lawn.						

Q16-23) Amount of Time Spent Doing Different Activities While in Yard						
Activity	Total No. Responses	Rank				
		1 (Most Often)	2	3	4	5 (Never)
Gardening	99	32	15	20	21	11
Playing or supervising children playing	98	33	10	10	16	29
Barbequing/picnicking	97	21	38	17	10	11
Relaxing on lawn furniture	96	18	26	20	21	11
Relaxing on the ground	96	6	8	18	26	38
Home improvement projects	94	12	14	22	30	16
Other ^a	32	11	2	7	4	8
Notes:						
^a "Other" activities may overlap listed activities. Activities identified as "other" include hanging clothes, entertaining, swimming in pool, playing/walking/cleaning up after animals (e.g., dogs), mowing lawn, moving dirt, landscaping/yardwork, playing sports, fishing, house exterior maintenance.						

Additional survey results as related to exposure frequency and exposure duration assumptions for the residential scenarios are presented in Attachment 3 and in sidebars within the relevant sections below.

3.3 FMC'S NON-PATHWAY-SPECIFIC EXPOSURE FACTOR ASSUMPTIONS

The following exposure factors are pertinent for all exposure pathways evaluated in this HHRA. Pathway-specific exposure factors are discussed in subsequent sections.

3.3.1 Arsenic Concentration

As noted above, this is a community-wide risk assessment, meaning that the entire data sets within each designated study area are used to characterize the range of exposures of people within that study area. In accordance with EPA guidance, estimates of mean concentrations within the study area are coupled with CTE and RME exposure parameters to characterize the range of study area exposures.

The arsenic EPCs and concentration distributions used in this HHRA are described below. A summary of arsenic EPCs for all CMS area data sets is provided in Table 3-5.²³ Additional details regarding derivation and evaluation of the study area and background arsenic data sets are provided in Attachment 2. ProUCL (USEPA 2009e, 2010d²⁴) output, used to specify arsenic EPCs for the RME cases, is provided in Attachment 4.

3.3.1.1 Surface Soil Data Sets

Air Deposition Study Area

For deterministic analyses of the air deposition study area, the means of the surface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL (2010d), were used for the RME cases. For probabilistic analyses, the current (post-ICM) concentration data set shown in Figure 2-2 and the pre-ICM and post-CMA concentration data sets shown in Attachment 2 were used. The surface soil data were incorporated into the probabilistic analyses via direct sampling from the data sets, as opposed to defining standard distributions using shape parameters (e.g., mean and standard deviation for the normal distribution). The distributions selected as best-fitting for each data set are shown in Attachment 2.

Culvert 105 Study Area North of the Canal

For deterministic analyses of the Culvert 105 study area north of the canal, the means of the surface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL, were used for the RME cases. For probabilistic analyses, the current (post-ICM) concentration data set shown in Figure 2-3 and the pre-ICM and post-CMA concentration data sets shown in Attachment 2 were used. The surface soil data were incorporated into the probabilistic analyses via direct sampling from the data sets.

²³ Versions A and B are combined for CMAs 6 and 7 in the Culvert 105 study area north of the canal and in the Culvert 105 study area because potential remediation at the Roy-Hart school has no impact on these data sets.

²⁴ A comparison between ProUCL versions 4.00.04 (USEPA 2009e) and 4.1 (USEPA 2010d) showed no difference in RME EPC results for study area data sets. Therefore, background data sets, which were unchanged between the July 12, 2010, Agency review draft CMS (prior to the release of ProUCL version 4.1) and the current draft document, were not reanalyzed.

Roy-Hart School Property

For deterministic analyses of the Roy-Hart school property, the means of the surface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL, were used for the RME cases. The current (post-ICM) concentration data set is shown in Figure 2-4, and the pre-ICM and post-CMA concentration data sets are shown in Attachment 2.

Background

As discussed in Section 2.4.1.4, background data sets expected to be representative of background conditions in Middleport without the influence of the FMC facility were created by applying Middleport property type data for both the air deposition study area and Culvert 105 study area north of the canal to the Gasport data set initially documented in CRA (2003). The background data sets were created to be used as a comparison for residential exposures to surface soils. Comparable background data sets could not be created for subsurface soils because subsurface soil samples were not collected in Gasport.

Because historical land usage is not always clear, multiple Middleport land usage assumptions were possible. FMC and the Agencies have different perspectives regarding the most appropriate assumptions. To accommodate the various possibilities, multiple background data sets were generated for each study area. Data sets based on FMC's interpretation were used in this risk assessment, while data sets based on the Agencies' preferred assumptions were included in the uncertainty analysis (Section 6).

Each background data set created to match the air deposition study area contains 1,873 values, and each background data set created to match the Culvert 105 study area north of the canal contains approximately 288 values, so that background data sets are the same sizes as corresponding study area data sets.²⁵ Each background data set was generated via a similar process that consisted of subdividing the Gasport samples into land use categories, performing distribution goodness-of-fit testing, creating larger data subsets of 1,000 forecast values for each land use category, and sampling from each of the forecast data subsets. Data were sampled from each of the forecast data subsets according to the property type/land usage group weighting factors appropriate to either the air deposition study area or the Culvert 105 study area north of the canal and then combined to result in a data set of the appropriate distribution of values representing study area background conditions. This method yields a better description of the range of arsenic that occurs naturally in soil in these study areas over using a single concentration estimate of arsenic background. This process was repeated for each of four sets of property type/land usage group weighting factors developed by the Agencies and

²⁵ Because of rounding during calculations (see Attachment 2), the final number of values in each background data set was not always exactly equal to the number of available sample data points specific to each study area data set. In no case was the difference between the final number of values and the targeted total number of values more than one.

FMC considering both the original and supplemental aerial photographs (Attachment 2, Exhibit 2-1), both including and excluding four samples identified as potential outliers in one of the four property type/land usage groups. As a result, eight background data sets were created. Two of the eight background data sets, generated by incorporating the 2001 Work Plan Method calculations²⁶ for the air deposition study area and the Culvert 105 study area north of the canal and including four potential outliers (Figure 2-5), were used in the risk analyses²⁷. The other background data sets were evaluated in the sensitivity analysis (Sections 6.3 and 6.6.3).

For deterministic analyses of background conditions, the means of the surface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL (2009e), were used for the RME cases. The background data sets shown in Figure 2-5 and six additional generated background data sets were evaluated for the best-fitting distributions, and all were determined by Crystal Ball® to be lognormally distributed. The background data for the study areas were incorporated into the probabilistic analyses via direct sampling from the data sets.

Adequacy of Surface Soil Data Sets for Probabilistic Risk Assessment

Because the surface soil arsenic concentration data sets for the air deposition study area, the Culvert 105 study area north of the canal, and background conditions appear to be of sufficient quantity and quality such that representative distributions can be established, the data sets were considered adequate for incorporating into probabilistic analyses.

These distributions could be used in two different ways: the data sets could be specified as custom distributions and sampled from directly, or the distributions could be specified based on the particular distribution²⁸ parameters, as applicable. Direct sampling from the data sets was selected as the best approach to adequately reflect the unevenness of the data seen at the low ends of the distributions for the air deposition study area and the Culvert 105 study area north of the canal, to accurately reflect the characteristics of the created background data sets, and so that the background data sets were treated similarly to the study area data sets.

Use of available study area surface soil sample data could miss arsenic concentrations that potentially exist at the very high and very low ends of the concentration distributions but were unsampled. However, given the large numbers of samples in each of the air deposition study area and Culvert 105 study area north of the canal data sets, the likelihood of inaccurately representing the tails of the distributions is small. Furthermore, when used in Monte Carlo analysis, it is assumed that a receptor is exposed to one sample location for his or her entire

²⁶ Refer to Attachment 2 for a description of the calculation methods.

²⁷ These background data sets were selected as the most logical choices for use in the risk analyses because the property type/land usage group weighting factors were calculated as described in an approved RFI report (ARCADIS and AMEC Geomatrix 2009), and the data sets incorporate outliers that were identified as such by statistical analysis but are valid samples representative of actual environmental conditions.

²⁸ The distributions selected as best-fitting for each data set are shown in Attachment 2.

exposure duration. In contrast, an individual's actual exposures will be integrated over a range of sample locations. Thus, the upper tails of the resulting risk distributions will overestimate the highest exposures for an individual, and the lower tails of the resulting risk distributions will underestimate the lowest exposures for an individual. For the background data sets, high and low distribution tails should be adequately represented because they contain data points generated from specified distributions.

3.3.1.2 Surface plus Subsurface Soil Data Sets

Culvert 105 Study Area Surface and Subsurface Soils

For deterministic risk analyses of the Culvert 105 study area, the means of the surface and subsurface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL, were used for the RME cases. The current (post-ICM) concentration data set is shown in Figure 2-6, and the pre-ICM and post-CMA concentration data sets are shown in Attachment 2.

Wooded Parcel Surface and Subsurface Soils

For deterministic risk analyses of the Wooded Parcel, the means of the surface and subsurface soil arsenic concentration data sets were used as the EPCs for the CTE cases, and the 95UCLs, as recommended by ProUCL, were used for the RME cases. The current (post-ICM) concentration data set is shown in Figure 2-6, and the pre-ICM concentration data set is shown in Attachment 2.

3.3.1.3 House Dust

Air Deposition Study Area, Culvert 105 Study Area North of the Canal, and Roy-Hart School Property

For the deterministic analyses, to represent house dust concentrations in the air deposition study area and the Culvert 105 study area north of the canal, and to represent indoor dust concentrations on the Roy-Hart school property, the arithmetic mean reported in Exponent (2004) was used for the CTE case. A 95UCL calculated from the geometric mean and geometric standard deviation reported in Tsuji et al. (2005),²⁹ assuming a sample size of 96 and a lognormal distribution, was used for the RME case. For probabilistic analyses of the air deposition study area and the Culvert 105 study area north of the canal, the geometric mean, geometric standard deviation, minimum, and maximum concentrations reported in Tsuji et al. (2005) were used to define the house dust concentration distribution. Use of these data to represent the house dust arsenic concentration distribution assumes that the 96 sampled homes are similar to unsampled homes within the study areas, and that the summer and fall house

²⁹ Both Exponent (2004) and Tsuji et al. (2005) summarize the same study. Tsuji et al. (2005) is referenced as the primary source of data because it is published, peer-reviewed literature; however, the authors did not report the arithmetic mean of the data set, which was provided in Exponent (2004).

dust concentrations are similar to year-round concentrations. In addition, use of the minimum and maximum concentrations specified in Table 3-2 assumes that the minimum and maximum of the data set are the true minimum and maximum, and neither under- nor over-estimate the seasonally averaged minimum and maximum.

Background

As discussed in Section 2.4.3, study area house dust arsenic concentrations are assumed to be similar to background house dust arsenic concentrations. Therefore, the site-specific house dust concentration data presented in Tsuji et al. (2005) were used to represent both the study areas and background conditions. The CTE and RME values used for deterministic analyses and distribution parameters used for probabilistic analyses for background conditions were the same as those presented above for the relevant CMS areas.

3.3.2 Exposure Frequency

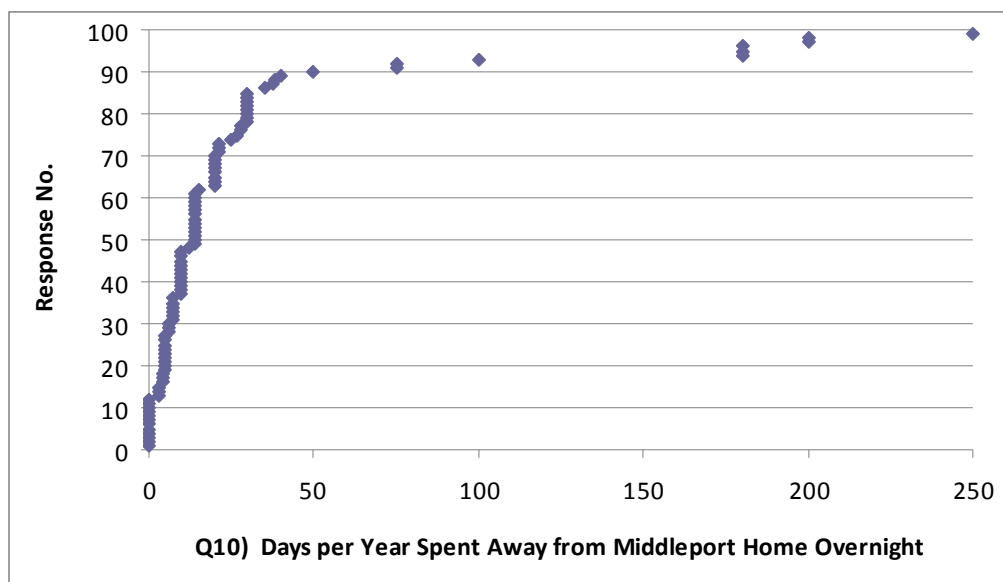
Exposure frequency describes how many days per year someone may have contact with an exposure medium (e.g., soil or house dust) in a typical 1-year period. Values for exposure frequency can vary by receptor, scenario, and different exposure pathways within a scenario.

3.3.2.1 Residential Scenarios

For Middleport residential scenarios, exposure frequency to soil will be less than to house dust because soil will be frozen or snow-covered for parts of the year. EPA's default assumption of 350 days/year exposure frequency for house dust is based on an assumed two weeks per year of vacation or other time away from home.

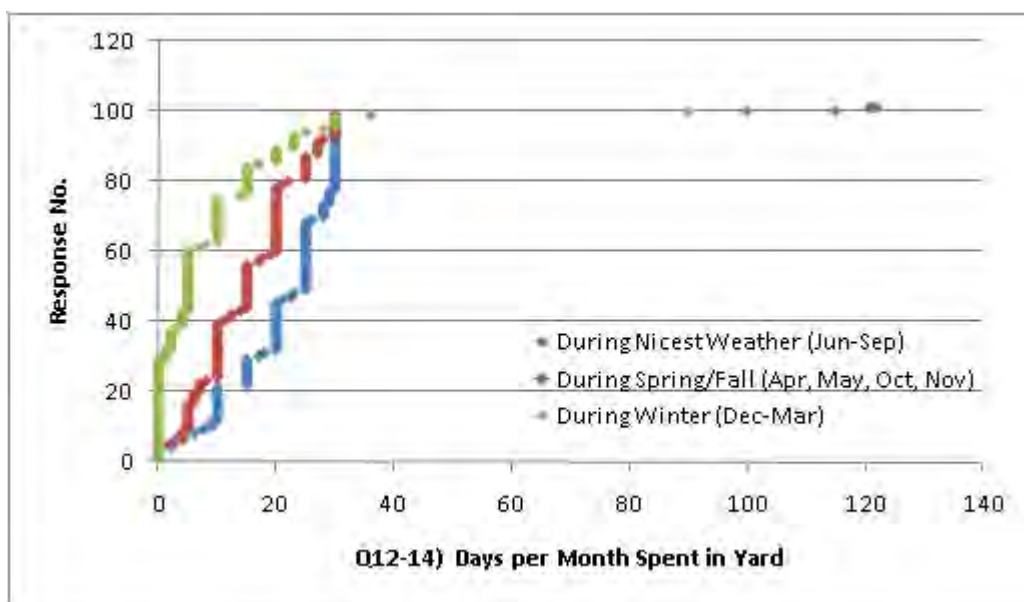
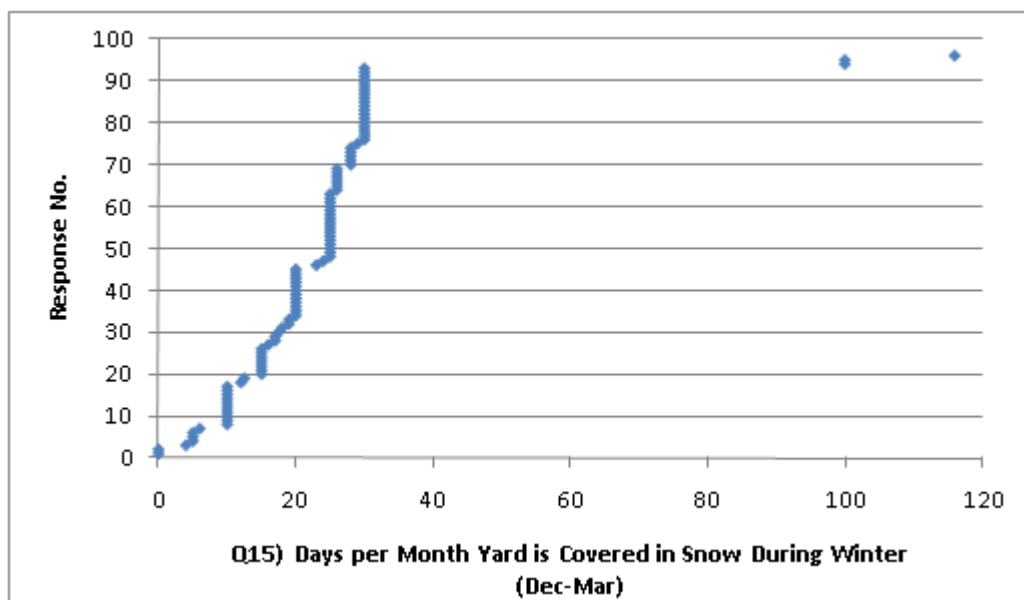
House Dust Exposure Frequency—Community Survey Results

The community survey results suggest that EPA's assumption of 14 days per year spent away from home is appropriately conservative.



Soil Exposure Frequency—Community Survey Results

A series of questions in the community survey explored the soil exposure frequency by asking people how many days per month their yard was covered with snow during the winter, and also how many days per month they spent in their yard in different seasons. The answers to the question about snow cover support the reliance on National Weather Service data to reduce the winter exposure frequency in this HHRA and the questions about time spent in the yard demonstrate that many people are in their yard many days in the summer. The answers to these questions also point out the limitations of community surveys in providing quantitative data because some respondents misinterpreted the question and gave answers greater than the number of days in a month.



Surface Soil

For adult and child residents who have contact with soil and particulates in their yards and homes, USEPA (1991, 1993) generally recommends an exposure frequency of 350 days/year for both the CTE and RME cases for the general population. This value, based on an assumption that residents spend at least 2 weeks at a location other than their home each year (e.g., a 2-week vacation or other period of absence from the home), was used for default deterministic analyses. The site-specific deterministic and probabilistic analyses considered climate factors that affect soil exposure frequency, as recommended by NYSDEC and NYSDOH (2006). Depending on

the geographical region, the frequency of exposure to soil outdoors may be limited by weather conditions that reduce or eliminate soil contact (USEPA 1993), including snow cover or prolonged frozen conditions. Rain and inclement weather may also limit time spent outdoors, but that impact was not quantified in this analysis. Available data for both snow cover and ambient temperature were reviewed, and snow cover data was found to be the most robust data set to support surface soil exposure frequency estimates.

Data were available from the National Weather Service (2008) on the number of days per year, from the years 1950 to 2005, that various depths of snow remained on the ground in Buffalo, New York, where the National Weather Service forecast office closest to Middleport is located. One in. was selected as a reasonable estimate of snow cover that would limit soil exposures. These data are summarized in Figure 3-1, which shows the number of days per year with less than 1 in. of snow cover. For the site-specific deterministic analyses, the mean value (291 days/year) was selected for both CTE and RME as a measure of surface soil exposure frequency per year. The distribution used in the probabilistic analyses, shown in Table 3-2, was derived using Crystal Ball® from data on the number of days per year when at least 1 in. of snow was measured on the ground.³⁰ Use of the converse of these data (the number of days per year when less than 1 in. of snow was measured) as a surrogate for soil exposure frequency assumes that Middleport residents are not exposed to soil on days where there is at least 1 in. of snow on the ground. It is also assumed that weather conditions in Middleport are similar to those in Buffalo, and that snow patterns will not change from previous years. No change in the snow pattern was evident in the 55 years of available data.

Use of the maximum days per year, as specified in Table 3-2, assumes that the maximum of the data set is the true maximum. The minimum value for house dust exposure frequency (discussed below) is less than the minimum value for soil exposure frequency, but a conditional formula was added to the model to preclude the possibility of an individual having a higher soil exposure frequency than house dust exposure frequency. If time is spent away from the home and house dust exposure does not occur, soil exposure will also not occur during that time. The conditional formula states that if the soil exposure frequency selected for a particular model simulation³¹ is higher than that of the house dust exposure frequency, the soil exposure frequency will be set equal to the house dust exposure frequency.

The assumption of no soil ingestion on days when there is snow cover effectively reduces the total soil/dust ingestion rate for those days to the dust ingestion rate only, which is consistent

³⁰ Because Crystal Ball® will select one exposure frequency value from the distribution for each run regardless of the exposure duration value selected, the variability in number of days with at least 1 in. of snow on the ground for exposure durations of 2 years or more will be less than in the data set used to estimate soil exposure frequency. This effect will be greater for longer exposure durations, and it will stretch out the tails of the predicted risk distribution, possibly causing an overestimate of RME exposures. The effect of this issue may be studied in the uncertainty analysis.

³¹ The model will consist of performing 10,000 simulations for each risk calculation.

with the findings of van Wijnin et al. (1990), who reported that total soil/dust ingestion by children ages 1 to 5 years was lower during periods of inclement weather when presumably the children spent less time outdoors. In addition, the *Child-Specific Exposure Factors Handbook* (USEPA 2008b) presents recommended CTE values for daily soil, dust, and soil plus dust ingestion rates. Although not explicitly stated, EPA's presentation implies reduced, dust-only ingestion on days when soil exposure does not occur.

Additional surrogate data, such as the average number of days per year when the maximum air temperature was at or below freezing conditions and the average number of days per year with 0.1 or more in. of snowfall, were considered for soil exposure frequency. However, the alternative data sets were considered less suitable because they are not correlated as closely with actual soil conditions. For example, freezing air temperatures do not necessarily indicate freezing ground temperatures and measurements of snowfall do not necessarily indicate snow on the ground, while measurements of snow on the ground do indicate that soil exposure will be limited because the soil is covered. In addition, the alternative data sets only provide average values, which are insufficient for specifying distributions. The data set based on snow cover was determined to be the most robust data set because of the volume of data collected, all of the data available, and the close correlation between snow cover and limited soil exposure.

Point estimates based on other National Weather Service (2008) data are within the range of the distribution derived based on the snow cover data. Between the years 1922 and 2002, the average number of days per year when the maximum air temperature was at or below freezing conditions was 52 (National Weather Service 2008). Assuming air and ground temperatures are related, the average number of days per year when the maximum air temperature was above freezing, and therefore soil exposure could potentially occur, was 313. The ground is likely to be frozen for a longer period than that represented by the number of days with maximum temperature below freezing. The number of days with average air temperature below freezing may provide a more accurate estimate of the period of time during which the ground will be frozen, but those data were not available from the National Weather Service database. During the same years, the average number of days per year with at least 0.1 in. of snowfall was 66 (National Weather Service 2008). Assuming snowfall and snow cover are related, the average number of days per year with less than 0.1 in. of snowfall, and therefore soil exposure could potentially occur, was 299.

In developing NYSDEC SCOs, NYSDEC and NYSDOH (2006) also assumed that outdoor soil ingestion occurs only during the warmer months of the year. Based on the latest date of the first fall frost (after November 10) and the earliest date of the last spring frost (before April 10), NYSDEC and NYSDOH assumed that outdoor soil ingestion will occur during a 31-week period between early April and early November. Incorporating additional assumptions about inclement weather and time spent away from home, NYSDEC and NYSDOH derived soil exposure frequencies of 155 days/year for children and 62 days/year for adults. These values are less than the site-specific deterministic value (291 days/year) chosen for this HHRA and are

at the lower end of or below the distribution chosen for the probabilistic analyses (104 to 330 days/year). Therefore, the snow cover data available from the National Weather Service (2008) yielded more conservative (i.e., health protective) values than the default NYSDEC values. Because the National Weather Service data were also reasonably consistent with other available data and sufficient for derivation of a distribution for probabilistic analyses, the National Weather Service data were selected for use in this HHRA.

The National Human Activity Pattern Survey (NHAPS; Tsang and Klepeis 1996) data compiled in USEPA (1997b) were analyzed to determine whether adults and children are likely to experience the same soil exposure frequencies based on the amount of time each age group spends outdoors. From statistics representing 24-hour cumulative numbers of minutes spent at home in areas outside of the house, the ratio of adult (ages 18 to 64 years) to child (ages 1 to 6 years) average time spent outdoors was calculated to be 0.97. Because this ratio is very close to 1.0, and in the absence of soil exposure data specific to children and adults, the same soil exposure frequency distribution was used for both age groups.

House Dust

The USEPA (1991, 1993) default value of 350 days/year, discussed above, was used for house dust exposure frequency in the deterministic analyses. For the probabilistic analyses, this value was used as the likeliest value in a triangular distribution for house dust exposure frequency. A highly conservative value of 365 days/year, which assumes that some residents never leave their homes each year, was used as the maximum house dust exposure frequency. The minimum value of 104 days/year was used based on the assumption that a child may have two family homes with only one in Middleport or have childcare in another town, or that an adult may spend substantial periods of time at other locations.

3.3.2.2 Utility Worker Scenarios

For the CTE case, utility workers were assumed, based on professional judgment, to perform maintenance on Culvert 105 for a 2-week period, which is 10 workdays. For the RME case, utility workers were assumed to perform maintenance for 1 month, which is an average of 22 workdays.

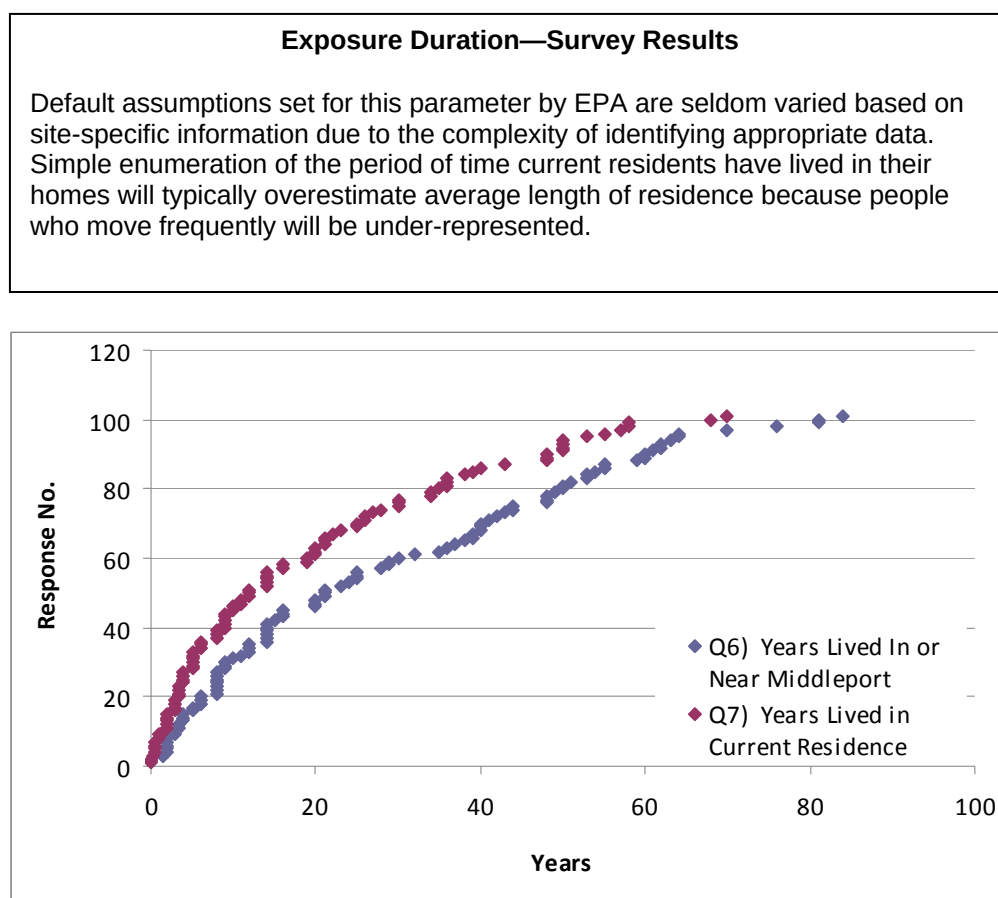
3.3.2.3 Schoolchild Scenario

Based on the 2010-2011 Royalton-Hartland Central School District calendar, schoolchildren were assumed to attend school 182 days/year (Roy-Hart 2010). The value of 182 days/year was used as the exposure frequency for soil contact in the default deterministic analyses as well as for dust contact for both the default and site-specific deterministic analyses (both the CTE and RME cases). For soil contact in the site-specific analyses, it was assumed that snow cover during the school year would reduce the number of days during which schoolchildren would contact soil. Based on the National Weather Service (2008) snow data used for residential

scenarios (Section 3.3.2.1), at least 1 in. of snow was measured on the ground for an average of 75 days/year between 1950 and 2005. All of these snow days occurred during the typical school year. Therefore, for the site-specific deterministic analyses, the exposure frequency was reduced to 107 days/year for both the CTE and RME cases.

3.3.3 Exposure Duration

Exposure duration represents the number of years a person could have contact with the exposure medium (soil or house dust). The value for this parameter can vary by receptor and scenario, but the value is expected to be the same for the soil and house dust pathways.



3.3.3.1 Residential Scenarios

The age range for child receptors is defined as 1 to 6 years, based on peak soil ingestion rates. Default exposure durations of 2 years for the CTE and 6 years for the RME case (USEPA 1993)

were used for both the default and site-specific deterministic analyses. For the probabilistic analyses, a triangular distribution was used for child exposure duration with a minimum of 1 year, most likely value of 3.5 years, and maximum of 6 years. For adult exposures in the deterministic analyses, the default values of 9 and 30 years were used for CTE and RME, respectively (USEPA 1993).

For the adult plus child scenario in probabilistic analyses, a lognormal distribution with a minimum of 1 year, arithmetic mean of 12.6 years, standard deviation of 16.2 years, and maximum of 87 years was used to represent the distribution of residence time in the U.S., based on data from USEPA (1997b) and analysis by USEPA et al. (2002). Use of the maximum number of years, as specified in Table 3-2, assumes that the reported maximum of the data set (USEPA 1997b) is the true maximum.

For the adult plus child scenario, the portion of the total adult plus child exposure duration spent as a child was based on an independently drawn child exposure duration. This scenario conservatively assumes a minimum of 1 year of exposure during young childhood, though it is likely that some people move into the Middleport area at age 7 or older.³² Based on the distributions of exposure duration values, adult plus child exposure durations of less than or equal to the child exposure duration were possible for some model simulations. In such cases, the exposure scenario for that model run was assumed to represent a situation in which a person lives in Middleport during childhood only, and only child-specific exposure assumptions were used to estimate intakes. For exposure duration values in the adult plus child distribution that were greater than the child exposure duration, the exposure scenario was assumed to represent a situation in which a person lives in Middleport during both childhood and adulthood, with the child exposure portion equal to the child exposure duration of between 1 and 6 years and the adult exposure portion equal to the remaining exposure duration for that model run.

3.3.3.2 Utility Worker Scenarios

The utility worker scenario was assumed to be a one-time event, so the exposure duration was set to 1 year.

3.3.3.3 Schoolchild Scenario

For both the default and the site-specific analyses, the exposure duration of interest was 8 years, which is the full duration a child could attend middle school and high school at the Roy-Hart school.

³² A sensitivity analysis using a child exposure duration range of 0 to 6 years was conducted to determine the effect of using a minimum value of 1 year (discussed in Section 6.2).

3.3.4 Body Weight

The body weight parameter represents the mass (in kg) of the receptor being evaluated.

3.3.4.1 Residential Scenarios

For the deterministic analyses, the default child body weight value of 15 kg (USEPA 2002) was used for both the CTE and RME cases. The body weight distribution used for child receptors was lognormal, with a mean of 17.27 kg and standard deviation of 4.97 kg was used, as derived by Portier et al. (2007) and based on the National Health and Nutrition Examination Survey (NHANES) IV data. NHANES is an extensive and periodically updated database of information collected by the National Center for Health Statistics to describe the health and nutrition status of a nationally representative sample of the civilian U.S. population at least 2 months of age. As noted in the *Child-Specific Exposure Factors Handbook* (USEPA 2008b), NHANES is the “principal source of body weight data collected nationwide from a large number of subjects.” NHANES IV, which began in March 1999 and is continuously added to on an annual basis, is the most recent of five surveys. This survey oversampled from low-income, adolescent (12 to 19 years old), elderly (at least 60 years old), African American, and Mexican American civilians; however, results were weighted to provide estimates representative of the U.S. population (USDHHS 2008a–d). Although Portier et al. (2007) reports estimates of the mean and variance that were calculated from NHANES data using a method that tends to bias the mean upward from the true population mean, this bias approaches zero with the increasing sample size. The sample sizes for NHANES (1,174 for children and 4,110 for adults) are sufficiently large as to virtually eliminate such bias (Gilbert 1987).

For the deterministic analyses, the EPA default body weight value of 70 kg (USEPA 2002) was used to assess noncancer risks in adults. The body weight distribution used for probabilistic analyses was lognormal, with a mean of 79.96 kg and a standard deviation of 20.73 kg. This distribution, derived by Portier et al. (2007) and based on NHANES IV data, was used to represent body weight for adults aged 18 through 65 years.

For assessing cancer risks in adults, the assumed body weight of 70 kg used in the derivation of cancer slope factors (CSFs) constrains the body weight that may be used in risk analyses. This value was used in deterministic analyses for both the CTE and RME cases, and to be consistent with the CSF, a body weight distribution centered around 70 kg was used for the probabilistic analyses. A lognormal distribution with a mean of 70.7 kg and standard deviation of 14.4 kg used to represent adult body weights in a cancer scenario was derived by Richardson (1997). Use of lower body weight data is conservative because the same amount of contaminant is distributed over less mass.

Because minimum and maximum body weights are not provided by the sources discussed above, they were calculated based on separate sources using professional judgment. The child

minimum was calculated as half the weight of girls between ages 1 and 2 years in the 5th percentile, and the child maximum was calculated as twice the weight of boys between 3 and 6 years in the 95th percentile, based on data presented in the *Child-Specific Exposure Factors Handbook* (USEPA 2008b), which was derived from NHANES (1999 to 2006; USDHHS 2008a–d). The adult minimum was calculated as half the weight of adult females in the 5th percentile, and the adult maximum was calculated as twice the weight of adult males in the 95th percentile, based on data in *Exposure Factors Handbook Volume 1* (USEPA 1997b).

Although weak but uniformly positive correlations have been found between birth weight and adult body mass index (BMI) as a marker of obesity in numerous studies (e.g., Sorensen et al. [1997] and Whitfield et al. [2001]³³), a correlation between the weight of a child and an adult was not included in the adult plus child scenario model for two reasons. First, the correlation seems to appear predominantly in the high end, with high birth weight or high child BMI being positively correlated with high adult BMI, while the rest of the spectrum is not clearly identified as also showing this trend. Second, studies could not be found linking child body weight alone to adult body weight alone, most likely because factors such as height are integral in determining whether a high weight is indicative of obesity. Because the correlation between birth weight (or child BMI) and adult BMI may only occur for heavier populations, and because the adult plus child scenario model does not include information on individual height, so that an accurate indicator of obesity can be calculated, inclusion of a correlation between the weight of a child and an adult was deemed inappropriate.

The decision not to include correlation between the weight of a child and an adult is supported by EPA guidance (USEPA 2001a) and the findings of two studies on the role of correlation among variables in probabilistic risk assessment (Bukowski et al. 1995, Smith et al. 1992). The studies found that the effect of correlation between two variables on the output is most important if the correlation between the variables is high and if the variables are large contributors to the variance of the output.³⁴ The presence of other, uncorrelated variables modulates any effect of neglecting the correlation between the variables (Smith et al. 1992). Overall, accurate choice of shape for distributions is more important than inclusion of correlations (Bukowski et al. 1995).

3.3.4.2 Utility Worker Scenarios

The body weight used for utility workers was the same as those discussed above for the deterministic analyses for residents (i.e., 70 kg for both the CTE and RME cases for assessing both noncancer and cancer effects).

³³ The conclusions of these studies are consistent with an independent review of similar abstracts on the subject.

³⁴ As discussed in Section 6.6.2, the adult and child body weight parameters contribute minimally to the overall model variance for the air deposition study area and Culvert 105 study area north of the canal residential scenarios.

3.3.4.3 Schoolchild Scenario

The body weight used for schoolchildren for both default and site-specific deterministic analyses was 56.8 kg, which is the average weight for adolescents between the ages of 11 and 16 years (USEPA 2008b). This age range does not exactly match the age range of children attending the Roy-Hart school, but it was the best-fitting age range provided in the EPA guidance. Because this age range represents the younger portion of children in the schoolchild scenario, the mean body weight used is expected to be lower than that of the average Roy-Hart schoolchild. Use of lower body weight data is conservative because the same amount of contaminant is distributed over less mass.

3.3.5 Averaging Time

The averaging time is the period over which an exposure is averaged. When evaluating noncarcinogenic effects, contaminant intakes are averaged over the exposure duration, so the noncancer averaging time is a function of the exposure duration distribution. When evaluating carcinogenic effects, however, contaminant intakes are averaged over a full lifetime (70 years or 25,550 days) to be consistent with the way CSFs are derived.

Because the exposure duration distribution selected for probabilistic analyses for the residential scenario has a maximum of 87 years (see Section 3.2.3.1), for a particular probabilistic model simulation for an adult plus child cancer risk scenario, it was possible that the exposure duration could exceed the averaging time of 70 years. If the exposure duration selected for a particular simulation did exceed the averaging time point estimate of 70 years, the averaging time was adjusted to equal the exposure duration.

For evaluating carcinogenic effects for the utility worker scenario, contaminant intakes are also averaged over a full lifetime (25,550 days for both CTE and RME) to be consistent with the way CSFs are derived. When evaluating noncarcinogenic effects, the exposure duration and therefore the noncancer averaging time were 365 days for both the CTE and RME cases.

Because only cancer effects were evaluated for the schoolchild scenario, the averaging time of 25,550 days was used for both CTE and RME.

3.3.6 Fractional Intake from Source

The fractional intake from source variable represents the fraction of media contacted that is assumed to be from the contaminated source or study area. For the residential scenarios evaluated in this document, it was assumed that all ingested soils and house dust are from the study area (air deposition study area or Culvert 105 study area north of the canal), so the fractional intake from source was set to 1 for both the probabilistic and the deterministic

analyses. A value of less than 1 might be used for a future commercial/industrial worker scenario in which the individual is assumed to work in, but live outside of, the study area.

As discussed above for residents, for utility workers, the fractional intake from source was set to 1 to indicate that all the soil ingested by workers on the days they perform maintenance on Culvert 105 is assumed to originate from the vicinity of Culvert 105.

For schoolchildren, the fractional intake from source was set to 1 as a matter of definition because the scenario was designed to focus only on the soil and dust exposures incurred during the school day. In reality, schoolchildren would contact soil and dust at home as well as at school.

3.4 INCIDENTAL INGESTION OF SOIL AND DUST

Exposure factors specific to the incidental ingestion of soil and dust pathway, including soil and dust ingestion rates, fractional intakes, and relative bioavailability of chemicals from soil, are discussed in detail below.

3.4.1 Soil and Dust Ingestion Rate

Incidental soil and dust ingestion rates for direct exposures to soil and/or dust vary based on several factors, including the following:

- Frequency of an individual's hand-to-mouth behaviors
- Seasonal climate conditions that affect availability of soil (e.g., snow cover)
- Type of groundcover at the exposure location (e.g., grass versus bare ground)
- Amount and type of outdoor and indoor activity
- Individual personal hygiene practices (e.g., frequency of hand washing).

Of these factors, the frequency of an individual's hand-to-mouth behaviors is considered a primary determinant of soil and dust intake. Studies have found that the frequent hand-to-mouth behaviors typical of young children increase the potential for ingestion of soil and dust that adheres to hands. Although fewer studies of adult soil ingestion have been published, hand-to-mouth activities in adults are considered much less frequent than in children. For this reason, risk assessment guidance typically recommends soil and dust ingestion rates that are higher for children than for adults, and young children are evaluated separately in risk assessments.

Although the goal of characterizing variability in ingestion rates is to ascertain the variability among individuals in average rates over long time periods (e.g., years), relevant soil ingestion studies have been performed over much shorter time periods (e.g., days). The studies that are

typically relied upon for soil and dust ingestion estimates are based on a tracer element methodology that measures trace elements, typically aluminum, silicon, titanium, and other elements, in the soil and dust of a child's residence and the fecal output of the trace elements. Estimates of ingestion rates derived from these short-term studies overestimate upper percentile values of soil ingestion over longer averaging times. In other words, the highest intake rates observed in a short-term study will be much higher than the highest intake rates when the behavior of the study group is averaged over a longer time period. Stanek and Calabrese (2000) and Stanek et al. (2001a,b) addressed the uncertainty related to use of short-term studies to represent long-term daily average intakes, showing that 95th percentile estimates of soil intake decline substantially when the distribution represents a longer time period. USEPA et al. (2002) recognized the importance of this issue in their risk assessment of the Rocky Flats site in Colorado, for which they relied upon Stanek et al.'s (2001b) long-term soil ingestion estimate data when generating a probability distribution function for the child soil ingestion rate. Long-term daily average intakes are therefore desired to more accurately represent child and adult soil ingestion rates when evaluating chronic exposures.

An alternate approach to estimating soil ingestion rates has been used by some researchers to estimate soil and dust ingestion based on hand-to-mouth activity and assumptions regarding the amount of soil or dust transferred from surfaces to hands, the area of hands put into mouths, and the fraction of adhered soil or dust transferred from hand to mouth. This approach was used by the EPA to evaluate indoor dust exposures for residences near the collapsed World Trade Center (WTC) buildings, and is discussed further in Section 3.4.2 to provide an assessment of the protectiveness of the dust ingestion values used in this HHRA.

3.4.1.1 Residents—Children

The default deterministic analyses used EPA's default soil ingestion rates of 100 and 200 mg/day for children for CTE and RME, respectively (USEPA 1993, 2008b). Given that these values are highly uncertain, and are not well supported by USEPA (2008b), alternate values were used for the site-specific analyses (described below). The soil ingestion studies most relevant for assessing exposures in Middleport and the rationale for developing soil ingestion distributions for use in the probabilistic risk analyses are summarized below.

USEPA (2008b) presents a comprehensive summary of the literature on soil ingestion by children, but fails to accurately portray the advancements in approaches to using the study data to estimate soil ingestion rates. Based on uncritical summation of published soil ingestion estimates, USEPA (2008b) provides recommended CTE soil ingestion rate estimates for three age ranges, noting that their recommendations are not sufficiently robust for probabilistic risk assessment. Upper percentile recommendations are characterized as pertaining to soil-pica and geophagy. The recommendations do not include such information as distribution descriptions, upper percentile values for normal soil ingestion behavior, or standard deviations, which are necessary for defining probability distribution functions. Furthermore, the CTE

recommendations are not supported by either literature citations or specific derivations from the key studies included in the literature reviewed. For these reasons, it was necessary to derive a probability distribution function for children's soil ingestion rates directly from the key studies.

A series of papers primarily authored by Stanek and Calabrese presenting analyses of data gathered for children ages 1 to 4 years in Anaconda, Montana, and Amherst, Massachusetts, were consulted. Based on climate similarities between Massachusetts and upstate New York and higher soil ingestion rates that are thus more conservative, use of the Amherst data set was chosen over the Anaconda data set for the probabilistic analyses. Most recently, Stanek and Calabrese (2000) presented a long-term 95th percentile child soil ingestion rate estimate of 124 mg/day³⁵ for a 365-day time period from the Amherst study, the previous estimates for which were published in Stanek and Calabrese (1995). However, to date, the authors have not published a long-term CTE estimate based on Amherst data. Therefore, Stanek et al. (2001b) was consulted for the most recently published short-term (8-day average) CTE estimate from the Amherst study. Based on this recent analysis, which resulted in a distribution with a 50th percentile value of 45 mg/day, a value of 45 mg/day was used as the 50th percentile child soil ingestion rate. Although the more recent Stanek et al. (2001b) publication does not clearly specify the data's distribution type, the Amherst data set was considered to be lognormally distributed in Stanek and Calabrese (1995). USEPA et al. (2002) also considered child soil ingestion rate to be lognormally distributed. Thus, the distribution for child soil ingestion rate was assumed to be lognormal. For the site-specific deterministic analyses, the 50th percentile value of 45 mg/day was used for the CTE case and the 95th percentile value of 124 mg/day was used for the RME case.

Stanek and Calabrese (1995) did not include minimum and maximum child soil ingestion rate estimates. Therefore, a minimum ingestion rate of 0 mg/day was used to avoid the possibility of negative ingestion rates. A maximum ingestion rate of 1,000 mg/day was specified based on the USEPA (2008b) recommended lower-bound soil-pica ingestion rate of 1,000 mg/day. Because soil-pica is considered a special case scenario, children exhibiting soil-pica behaviors were not included in the probabilistic analyses. The truncation values of 0 and 1,000 mg/day are in agreement with those presented in USEPA et al. (2002).

3.4.1.2 Residents—Adults

The default deterministic analyses used EPA's default soil ingestion rates of 50 and 100 mg/day for adults for CTE and RME, respectively (USEPA 1993, 2002). Given that these values are highly uncertain, alternate values were used for the site-specific analyses (described below). The soil ingestion studies most relevant for assessing exposures in Middleport and the rationale

³⁵ This estimate was obtained after excluding the soil-pica subject.

for d soil ingestion distributions for use in the probabilistic risk assessment are summarized below.

Less information is available regarding adult soil ingestion rates as compared with that regarding child soil ingestion rates. Stanek et al. (1997) published an estimated mean adult soil ingestion rate of 10 mg/day and standard deviation of 94 mg/day based on a duplicate diet, mass-balance study conducted in 10 male adult volunteers who ingested varying quantities of soil in capsules. Fecal output of nine inorganic elements was measured, and three elements were chosen as reliable tracers for measuring soil ingestion. However, because of the high degree of uncertainty in the results of this small, pilot-sized study, it has questionable reliability regarding its use in probabilistic analyses. Instead, a lognormal adult soil ingestion rate distribution was created with 50th and 95th percentile values that are half those of the child soil ingestion rate distribution, or 22.5 and 62 mg/day, respectively. The minimum and maximum ingestion rates were set to 0 and 1,000 mg/day to mirror the minimum and maximum ingestion rates set for children, respectively. For the site-specific deterministic analyses, these distributions provide alternate assumptions to the EPA default values. Specifically, the 50th percentile value of 22.5 mg/day was used for the CTE case and the 95th percentile value of 62 mg/day was used for the RME case.

3.4.1.3 Utility Workers

Current soil screening guidance (USEPA 2002) recommends default soil ingestion rates of 100 and 330 mg/day for outdoor workers and construction workers, respectively. These values are highly uncertain, but are expected to be very conservative.

USEPA (2002) defines the outdoor worker as:

...a long-term receptor exposed during the work day who is a full time employee of the company operating onsite and who spends most of the work day conducting maintenance activities outdoors. The activities for this receptor (e.g., moderate digging, landscaping) typically involve onsite exposures to surface and shallow subsurface soils (at depths of zero to two feet).

USEPA (2002) defines the construction worker as:

...a short-term adult receptor who is exposed to soil contaminants during the work day for the duration of a single construction project (typically a year or less). If multiple non-concurrent construction projects are anticipated, it was assumed that different workers will be employed for each project. The activities for this receptor typically involve substantial onsite exposures to surface and subsurface soils. The construction worker is expected to have a very high soil ingestion rate....

The EPA values of 100 and 330 mg/day were used as the CTE and RME values, respectively, for the onsite utility worker.

3.4.1.4 Schoolchildren

The values chosen for the deterministic analyses were consistent with those chosen for adult residents because the age range for this scenario (10 to 18 years) is typically evaluated using adult soil ingestion rates. Thus, the default analyses used 50 and 100 mg/day for CTE and RME, respectively, and the site-specific analyses used 22.5 and 62 mg/day for CTE and RME, respectively.

3.4.2 Fractional Intake from Soil and Dust

The ingestion rates discussed above encompass ingestion of both soil and dust, so intake fractioning for each medium should be applied when data for each medium are available.

3.4.2.1 Residential Scenarios

USEPA (1994) assumes that 55 percent of soil ingestion comes from house dust. USEPA (1994) cites van Wijnen et al. (1990) to support discussion of the 55 percent fractional intake for house dust, but EPA provides no explanation of their derivation of the value, and the data in the van Wijnen et al. (1990) study do not apportion between soil and dust intake. For the deterministic analyses, the EPA default value of 0.45 for soil and 0.55 for house dust was used for both the CTE and RME cases. For the probabilistic analyses, a triangular distribution with 55 percent as the likeliest value was used because the 55 percent value is expected to vary to some unknown extent. The minimum and maximum values of 30 and 80 percent, respectively, were used based on professional judgment. The remaining source fraction was assumed to consist of soil.

To further assess the fractional intake distribution for house dust could be refined further, a time-activity analysis was performed based on data compiled in USEPA (1997b) from NHAPS (Tsang and Klepeis 1996), one of the largest and most recent of similar U.S.-based surveys available. From statistics representing 24-hour cumulative numbers of minutes spent sleeping or napping, indoors in a residence and outdoors outside the residence, the average fraction of time spent indoors while awake was calculated to approximate the period during which dust ingestion could occur. When it was assumed that hand-to-mouth activity and dust and soil loading on skin occur at approximately equal rates indoors as outside, the mean fractional intakes for house dust were approximated to be 0.60, 0.48, and 0.52 for ages 1 to 6 years, 18 to 64 years, and all ages, respectively. These values are all close to the likeliest value of 0.55 for the fractional intake distribution, providing additional support for the selected distribution.

Use of the 0.55 fractional house dust intake to calculate year round house dust intakes may not account for potential seasonal changes in ingestion rates. As discussed previously, it is

assumed that no soil is ingested in the winter when the ground is frozen or snow-covered. On these days, it is logical to assume that people spend more time indoors where they may contact dust. Despite this likely increase in time spent indoors, it is assumed that dust ingestion does not increase for three reasons:

- Evidence shows that ingestion rates of house dust decrease during winter months because less dust settles on indoor surfaces
- Indoor dust metal concentrations show a decrease in the winter
- Indoor activities tend to be less contact intense than outdoor activities.

Edwards et al. (1998) found that the mass of house dust deposited on indoor surfaces of four New Jersey homes, studied over two 30-day periods, was less in February 1995 than in August 1994. The deposition rates ranged from 0.18 to 0.25 $\mu\text{g}/\text{cm}^2\text{-day}$ during the winter and from 0.24 to 0.49 $\mu\text{g}/\text{cm}^2\text{-day}$ during the summer, which were statistically significantly different ($p < 0.009$). More particles were deposited in the winter than in the summer, but winter deposits were smaller, suggesting indoor combustion sources. Indoor dust metal concentrations have been shown to decline in the winter at some sites, which could be due to reduced soil track-in and/or increases in indoor combustion sources. Thus, assuming a constant house dust ingestion rate throughout the year, as was done in this HHRA, is likely to be sufficiently protective of human health.

Results of an alternate approach used to evaluate indoor dust exposures for residences near the collapsed WTC buildings provide added support for the health protectiveness of the dust ingestion rates used in this HHRA. Multiple federal, state, and local agencies collaborated on development of indoor air and dust screening criteria for chemicals of potential concern in the area (WTC 2003). The EPA-led effort resulted in development of peer-reviewed, health-based criteria that were used to support cleanup efforts at residences and other buildings where occupants were assumed to have long-term exposures to pollutants generated during the collapse of the WTC towers.

For development of a chemical loading criterion for settled dust, the WTC working group relied largely upon EPA's *Policy Number 12 on Recommended Revisions to the Standard Operating Procedures (SOPs) for Residential Exposure Assessments* (USEPA 1997b, 2001c). The methods used by the WTC working group can be applied here to derive an indoor dust ingestion rate that is based on the frequency of hand-to-mouth movements and other parameters relating to the contaminant load on surfaces in the home, exposure time, and other parameters. The WTC (2003) methodology applies the following equation to estimate the potential dose rate (PDR; $\mu\text{g}/\text{kg}\text{-day}$) for incidental ingestion of house dust through hand-to-mouth contact:

$$PDR = \frac{[(ET_{hard} \times FTSS_{hard} \times CSL_{hard}) + (ET_{soft} \times FTSS_{soft} \times CSL_{soft})] \times SA \times FQ \times SE}{BW}$$

Where:

ET =	exposure time for hard and soft surfaces (hours/day)
FTSS =	fraction transferred from hard or soft surfaces to skin (unitless fraction)
CSL =	contaminant surface load on hard or soft surfaces (µg/cm ²)
SA =	skin surface area (cm ² /event)
FQ =	frequency of hand-to-mouth events (events/hour)
SE =	saliva extraction factor (unitless fraction)
BW =	body weight (kg)

By removing the body weight component of the above equation, a daily contaminant intake rate for incidental ingestion of indoor dust can be calculated using the assumptions selected by WTC (2003) from EPA guidance and peer-reviewed literature.

WTC (2003) selected the default USEPA (1997b, 2001) values for exposure time of 8 hours/day for carpets (i.e., soft surfaces) and 4 hours/day for hard floors (i.e., hard surfaces) for children age 0 to 6 years and adults over the age of 18 years. For adolescents age 6 to 18 years, the exposure time was assumed to be lower, 6 hours/day for carpets and 2 hours/day for hard surfaces, due to time spent away from home while at school.

The values for fraction of contaminant transferred from a surface to skin, 0.10 and 0.50 for soft and hard surfaces, respectively, were obtained directly from Rodes et al. (2001). These values were measured during hand press experiments using lipophilic compounds and dry skin. Because arsenic is not lipophilic, the values are likely to overestimate the amount of arsenic transferred to the skin from indoor surfaces. The contaminant surface load value of 50 µg/cm² pertains to dust loading on typical indoor residential surfaces (Rodes et al. 2001).

Skin surface area is based on the area of three fingers only, and was assumed to be 15 cm² for children up to age 6 years and 45 cm² for adults age 18 years and older. For age groups in between, it was assumed that skin surface area increased linearly with age. These values were extrapolated from data provided by USEPA (1997b). The frequency of hand-to-mouth events was extrapolated from a study by Michaud et al. (1994) for four age groups: 1 to 6 years, 9.5 events/hour; 7 to 12 years, 5 events/hour; 13 to 18 years, 2 events/hour; and 19 to 31 years, 1 event/hour.

A default value of 0.50 from USEPA (1997b, 2001) was selected to represent the fraction of dust transferred from the skin to the mouth, or the saliva extraction factor. This assumption pertains

to lipophilic compounds, such as pesticides, and may or may not be representative of arsenic compounds in dust.

Using the equation and assumptions listed herein, incidental indoor dust ingestion rates were calculated for residents ages 0 to 6 years, 7 to 18 years, and ages greater than 18 years as shown below.

Input parameters and incidental dust ingestion rates for child and adult residents				
Parameter	Units	Input parameter (age [years])		
		0 to 6	7 to 18	>18
EThard	hours/day	4	2	4
ETsoft	hours/day	8	6	8
FTSShard	unitless	0.5	0.5	0.5
FTSSsoft	unitless	0.1	0.1	0.1
CSL	µg/cm ²	50	50	50
SA ^a	cm ² /event	15	32.6	45
FQ ^b	event/hour	9.5	3.125	1
SE	unitless	0.5	0.5	0.5
Dust ingestion rate	mg/day	10	4	3

Notes:

^a A time-weighted average surface area was calculated for the 7- to 18-year age group based on the assumption that skin surface area increases linearly from 15 to 45 cm² between the ages of 7 and 17 years.

^b A time-weighted average frequency was calculated for the 7- to 18-year age group based on the frequencies listed in the text for ages 7 to 12 years, 8 to 18 years.

The incidental dust intake values listed above are substantially lower than the dust ingestion rates used in this risk assessment. For young children, assuming 55 percent of soil and dust intake is in the form of dust, yields RME dust ingestion rates of 110 mg/day for the default deterministic exposure estimates and 68 mg/day for the site-specific deterministic estimates. These values are, respectively, 11 and almost 7 times greater than the default and site-specific dust ingestion values derived using EPA's WTC approach. For adults, RME dust ingestion rates were 55 mg/day for the default deterministic exposure estimates and 34 mg/day for the site-specific deterministic estimates. These values are, respectively, 18 and 10 times greater than the default and site-specific dust ingestion values derived using EPA's WTC approach.

3.4.2.2 Utility Worker Scenarios

While residents are assumed to ingest both soil and house dust, utility workers are assumed to ingest only soil. Thus, fractional intake for soil was set to 1.

3.4.2.3 Schoolchild Scenario

The fractional intake values for the schoolchild scenario were set consistent with the residential scenario. Values of 0.45 and 0.55 were used for soil and dust, respectively, for both CTE and RME.

3.4.3 Relative Bioavailability

For practical reasons, toxicity tests are usually designed using water soluble forms of metals in dosing media such as diet or water. The bioavailability of metals in soil, on the other hand, can vary depending on such factors as the following:

- Form of the chemical present (e.g., oxidation state or molecular composition)
- Physical form in the soil (e.g., encapsulation of a mineral within a soil particle)
- Length of time the chemical has been present in soil (aging or weathering)
- Soil characteristics (e.g., fraction organic carbon, pore size).

An RBA accounts for differences in the bioavailability of a metal in the exposure medium, which is soil in the case of incidental soil and dust ingestion exposures, relative to the dosing medium used in the critical toxicity study that is the basis for the toxicity value. It can be calculated as follows:

$$RBA = \frac{\text{absorbed fraction from soil}}{\text{absorbed fraction from dosing medium used in toxicity study}} \times 100$$

The RBA is typically less than 1 because the most bioavailable form of a metal is commonly used in toxicity studies.

For both the residential and utility worker scenarios, the default deterministic analyses used the default RBA of 1, as requested by the Agencies. The site-specific deterministic analyses used the site-specific mean value of 0.22, based on data obtained from a study of RBA of arsenic in 14 soil samples from 12 different sites, one of which was Middleport, administered to male Cynomolgus monkeys (Exponent 2007 and Roberts et al. 2007, provided in Attachment 8). A portion of each of three Middleport soil samples of varying concentrations was administered to five monkeys, and a mean and standard deviation for RBA were reported for each of the Middleport samples. Use of the data from this study for this HHRA assumes that human RBA is similar to that of monkeys.

The RBA distribution developed for the residential scenario probabilistic analyses for RBA was also based on the site-specific data. The RBA data were assumed to be distributed normally and to have equal variance. For the purposes of this HHRA, the mean RBA (0.22) was calculated as the arithmetic mean of the three site-specific means reported for the Middleport samples, and

the standard deviation (0.083) was calculated using the coefficient of variation for the three Middleport samples. The maximum value was determined based on the Middleport soil sample yielding the maximum RBA result. The maximum value (0.48) was calculated as the maximum reported mean plus two times the standard deviation for that same soil sample. The minimum value calculated using a parallel approach based on the soil sample yielding the minimum RBA result is 0.09. Considering that in 14 samples from 12 sites tested by Roberts et al. (2007), the range of RBA values reported was 0.05 to 0.31, the proposed distribution may overestimate arsenic absorption.

3.5 DERMAL CONTACT WITH SOIL AND DUST

Dermal exposure to chemicals in soil is a function of the surface area of skin, the amount of soil adhering to skin, and the fraction of a chemical transferred from soil across the epidermis and into the systemic circulation.

3.5.1 Dermal Absorption Factor

Dermal absorption across the skin is a chemical-specific value. For all receptors, USEPA's (2004b) default assumption of 0.03 for arsenic was used for both CTE and RME in the default deterministic analyses. This is equivalent to assuming that 3 percent of the arsenic in soil or dust on the skin crosses the skin to enter the bloodstream.

For site-specific analyses, both deterministic and probabilistic, it was assumed based on site-specific data that dermal absorption is negligible, so the dermal pathway was not evaluated (see Section 2.1 and Attachment 8).

3.5.2 Event Frequency

Event frequency represents the number of soil or dust contact events per day. For all scenarios, the standard assumption is 1 event/day for both CTE and RME (USEPA 2004b). This parameter is used primarily to make units cancel correctly in the equation.

3.5.3 Soil Adherence Factor

The adherence factor represents the amount of soil or dust adhering to the skin per unit of surface area. The value of adherence factor depends on the soil type and the moisture content and it varies with different parts of the body and activities (USEPA 2004b).

The default CTE and RME values used for children were 0.04 and 0.2 mg/cm²-event, respectively (USEPA 2004b). For adults, including schoolchildren, the default CTE and RME values of 0.01 and 0.07 mg/cm²-event, respectively (USEPA 2004b), were used. For utility

workers, the default CTE and RME values used were 0.02 and 0.2 mg/cm²-event, respectively (USEPA 2004b).

3.5.4 Skin Surface Area

The surface area of skin exposed to soil or dust depends on the type of clothing worn. The default assumptions of 2,800 and 5,700 cm² (USEPA 2004b) was used for children and adults, respectively, for both CTE and RME in the default deterministic analyses. The value of 5,700 cm² was also used for schoolchildren. The default value of 3,300 cm² (USEPA 2004b) was used for both CTE and RME for utility workers in the default deterministic analyses.

3.6 COMPARISON WITH NEW YORK STATE REGULATORY GUIDANCE

At the request of the Agencies, the exposure assumptions used in this HHRA were compared with those used to derive NYSDEC SCOs (NYSDEC and NYSDOH 2006). In addition to the discussions included in Sections 3.3.2.1, 6.4, and 6.6.3, Table 3-6 presents a summary of exposure factor values used by NYSDEC for unrestricted, residential, and restricted residential land use SCOs as compared with the default and site-specific deterministic RME exposure factor values used for the residential scenarios in this HHRA.

4 FMC'S TOXICITY ASSESSMENT

The toxicity assessment provides an overview of toxicity values selected for estimating the risk of adverse health effects from chemical exposures and summarizes toxicity information from governmental health authorities and in peer-reviewed publications. Toxicity values for carcinogenic and noncarcinogenic health effects have been developed for many chemicals by government agencies, including EPA, the U.S. Agency for Toxic Substances and Disease Registry, and some state agencies. These toxicity values are numerical expressions of chemical dose and response, and vary based on factors such as route of exposure (e.g., oral, inhalation, or dermal) and duration of exposure. The toxicity assessment includes a description of procedures used to identify toxicity values and the critical studies that form the basis for them. Some of the key methodological issues, assumptions, and uncertainties that underlie the toxicity information also are provided. The conclusions presented in this toxicity assessment are those of FMC and its consultants.

In addition to providing recommended toxicity values, the toxicity assessment provides a description of the forms and behavior of the chemical in the environment and in the human body (called toxicokinetics) and a summary of toxicity information. This includes a discussion of carcinogenic and noncarcinogenic systemic effects such as neurological effects, and reproductive and developmental effects.

Arsenic is the only chemical of concern in this HHRA. The arsenic toxicity values to be used for comparison with the intake distributions determined in the HHRA will be point estimates (i.e., deterministic values). Carcinogenic and chronic noncarcinogenic toxicity values were obtained from EPA's IRIS (USEPA 2010b). Uncertainties associated with our understanding of arsenic toxicity are identified throughout the text.

4.1 ARSENIC FORMS AND TOXICOKINETICS

Arsenic is a natural element that is widely distributed in the environment, including in soil, groundwater, and surface water, and in plants and animals. In soil and water, most arsenic is present as inorganic arsenic, but in some plants and animals organic forms of arsenic are present. In addition, human activities have caused widespread increases in concentrations of inorganic arsenic in soil and water. Inorganic arsenic is the most toxic form and is the focus of this HHRA; however, due to the ubiquitous presence of different forms of arsenic, understanding the potential for health impacts from arsenic in Middleport soil requires an understanding of the potential for exposure to arsenic from other sources such as diet. This section also includes a description of arsenic toxicokinetics to explain how arsenic is absorbed from the gastrointestinal tract or skin or lungs, and how it is handled by the body once absorbed.

4.1.1 Arsenic Forms in the Environment

Arsenic is widely distributed in much of the earth's crust partly due to volcanic eruptions. Human activities, including mining of ores associated with arsenic (e.g., copper and lead), burning of arsenic containing coal and other waste products in coal-fired power plants or for incineration, and use of arsenical pesticides, also contribute to arsenic present in the environment. Arsenic in soil and minerals may enter the air, water, and land from windblown dust. Arsenic may also enter water via leaching or runoff.

Arsenic is found in several forms within environmental and biological systems. It exists in multiple oxidation states and in a number of inorganic and organic forms. The inorganic forms are the most toxic. Inorganic forms of arsenic include trivalent arsenic (As[III]), also called arsenite (the form found in arsenic trioxide), and pentavalent arsenic (As[V]), also called arsenate. Organic forms of arsenic include trivalent monomethylarsinous acid (MMA[III]), pentavalent monomethylarsinic acid (MMA[V]), dimethylarsinous acid (DMA[III]), and dimethylarsinic acid (DMA[V]). Arsenocholine, arsenobetaine, and arseno-sugars are organic forms commonly found in seafood.

The predominant forms of inorganic arsenic in soils are as arsenite and arsenate compounds. The solubility of inorganic arsenic compounds in water varies widely. Sodium arsenate and arsenic trioxide are highly water-soluble; less soluble forms include sulfide minerals, complex oxides, and arsenic present in iron, manganese, and phosphate mineral species. Ionic forms of inorganic arsenic may adsorb to soil constituents. The presence of less soluble mineral phases and ionic forms that are strongly adsorbed to soil particles or coprecipitated with other elements in soil is thought to contribute to the reduced bioavailability of arsenic in soil.

4.1.2 Sources of Human Exposure to Arsenic

Because arsenic occurs naturally in the environment, all humans are exposed to low doses. For most populations, the primary source of exposure to inorganic arsenic is the diet. Fish and seafood, including seaweeds, contain the highest concentrations of total arsenic, but most is present as nontoxic organic forms, such as arsenobetaine. The highest concentrations of inorganic arsenic are typically found in rice (Schoof 1999a,b; Zavala et al. 2008). A recent study found that the major food contributors to dietary inorganic arsenic exposure were vegetables (24 percent); fruit juices and fruits (18 percent); rice (17 percent); beer and wine (12 percent); and flour, corn, and wheat (11 percent) (Xue et al. 2010). This same study found that approximately 10 percent of total arsenic exposure from foods is the inorganic arsenic. Globally, drinking water is the main source of excessive arsenic exposure and poisoning, with some Asian and South American populations exposed to concentrations in excess of 100 µg/L in drinking water (ATSDR 2007). In contrast, the arsenic drinking water standard in the U.S. is 10 µg/L, and most drinking water supplies have concentrations less than 5 µg/L.

In addition to typical sources of arsenic exposure in the diet and drinking water, individuals may have personal habits that cause additional exposure. For example, in some cases arsenic in wine and beer (Pedersen et al. 1994) were found to contribute to greater than normal arsenic intake. Arsenic is present in tobacco smoke (inhaled directly or indirectly) and some studies have detected increased exposures to arsenic in smokers and their families (de Peyster and Silvers 1995; Chiba and Maseroni 1992). In contrast, other studies found no difference in arsenic levels between smokers and nonsmokers (Gebel et al. 1998a; Kraus et al. 2000). The amount of arsenic in cigarettes may vary with growing conditions for tobacco crops, and this variability may contribute to the variation in findings. Arsenic has also been detected in homeopathic medicines (Kerr and Saryan 1986), Chinese proprietary medicines manufactured in Asia (Chan 1994), and leaf samples from medicinal plants (Reddy and Reddy 1997). Rare cases of acute arsenic poisoning have been reported in children and adults using Chinese proprietary medicines (Chan 1994).

4.1.3 Arsenic Toxicokinetics

When present in a water-soluble form, inorganic arsenic is well absorbed through the oral route; studies in humans demonstrate that greater than 95 percent of arsenic in this form may be absorbed (ATSDR 2007; Klaassen 2001). Oral bioavailability of inorganic arsenic is reduced when ingested as soil or dust. Less soluble forms of arsenic are reported to be one-half to one-tenth as bioavailable as the more soluble forms of arsenic (Roberts et al. 2007; USEPA 2005a).

When inhaled, the water-soluble forms of arsenic are absorbed most rapidly and efficiently, whereas the absorption of particulate bound arsenic is greatly dependent on the dynamics of deposition and clearance of particles by the respiratory system (ATSDR 2007). The deposition and clearance of particles are influenced by the properties of the particles and exposure conditions. Dermal absorption of arsenic is low compared with other routes of exposure (ATSDR 2007), and dermal absorption from soil is negligible (Exponent 2007 and Lowney et al. 2007, provided in Attachment 8).

Following absorption, arsenic is distributed throughout the body; it does not show preferential accumulation in any internal organs. Inorganic arsenic does not appear to cross the blood-brain barrier; however, its ability to transfer across the placenta has been reported in both humans and rats (ATSDR 2007).

Inorganic arsenic is metabolized through a series of reduction and oxidative methylation reactions. In the first step of metabolism, inorganic arsenate (As V) is reduced to arsenite (As III). Following the initial reduction step, arsenite is methylated to MMA (V), which is reduced to MMA (III), and then methylated to the principal metabolite, DMA (V/III).

While arsenic metabolism occurs in many tissues, the main site of methylation activity is the liver. Although the process of methylation is saturable, under normal conditions the

availability of methyl donors (methionine, choline, cysteine) is not limited and the process does not reach capacity. However, conditions including dietary deficiencies (e.g., restriction of methyl donor intake) can result in decreased methylating capacity (ATSDR 2007).

While earlier studies reported that stable pentavalent methyl derivatives of arsenic appeared to be less toxic than inorganic forms, recent studies evaluating multiple toxicity endpoints have suggested that the less stable trivalent methyl forms may have greater toxicity than inorganic arsenic forms. One study measuring toxicity in hepatocytes found that MMA (III) was more toxic than both arsenite (As III) and MMA (V). MMA (III) and DMA (III) have also been found to be more effective than As (III) in inducing DNA damage (Health Canada 2006). Further work is needed in order to confirm these findings and establish the role of various metabolites of inorganic arsenic in its toxicity (ATSDR 2007).

The primary pathway of elimination of arsenic is via urine. Approximately 75 percent of the absorbed dose of arsenic is eliminated by this pathway. Inorganic arsenic is rapidly excreted in urine, mostly within the first day following ingestion, whereas the methylated forms are mostly excreted within 2 to 3 days after exposure (Health Canada 2006). A small fraction of arsenic is excreted through feces, bile, sweat, and breast milk (ATSDR 2007; Health Canada 2006).

4.1.4 Susceptible Populations

There is no evidence for differences in uptake or toxicity of arsenic in children and adults. As discussed previously, arsenic toxicity may be to some degree influenced by the rate and extent of methylation in the liver. Reduced hepatic methylation could result from dietary deficiency of methyl donors such as choline or methionine (ATSDR 2007); however, this is unlikely to be of concern for most individuals in developed countries. Recent studies indicate that genetic factors may also influence rates of methylation and therefore influence susceptibility to arsenic (ATSDR 2007; Steinmaus et al. 2007). Only a small number of studies evaluating the influence of genetics on susceptibility have been completed, and the full impact of these factors on human susceptibility is not known.

4.2 FMC'S EVALUATION OF ARSENIC CARCINOGENICITY

Human epidemiological studies provide evidence that drinking water with high concentrations of arsenic is associated with increased incidence of skin cancers and several kinds of internal cancers. Exposure to high concentrations of arsenic in air has also been linked to increased risk of lung cancer. The following sections describe the epidemiological evidence linking ingested arsenic with cancer, the evidence for the mode of action by which arsenic may increase cancer risk, and the dose-response assessments conducted to predict low dose cancer risk from risk observed at high doses.

Epidemiological studies have also reported increased risk of lung cancer in smelter workers (Enterline and Marsh 1982; Lee-Feldstein 1983; Axelson et al. 1978; Tokudome and Kuratsune 1976; Rencher et al. 1977) and pesticide manufacturing workers (Ott et al. 1974; Mabuchi et al. 1979) exposed to arsenic via inhalation. A study of residents living near a pesticide manufacturing plant (Matanoski et al. 1981) also reported excess lung cancer risk associated with arsenic inhalation. Other studies of residents living within close proximity to smelters or arsenical plants have not consistently indicated increased risk for cancer. Populations with chronic inhalation exposure of 0.07 mg/m³ arsenic or greater have shown increased risk of lung cancer, while the effects below those levels are less clear (ATSDR 2007). Inhalation of arsenic is not a pathway of concern in this HHRA, so these studies are not examined further herein.

4.2.1 Epidemiology Studies of Oral Arsenic Exposures

Following chronic exposure to arsenic in drinking water, squamous cell carcinomas of the skin, bladder, kidney, liver and respiratory tumors have been reported. The majority of data on the carcinogenic effects of ingested inorganic arsenic come from populations chronically exposed to high levels of arsenic naturally present in drinking water sources. High arsenic groundwater has been used for drinking water by large populations in Taiwan, Chile, Argentina, Inner Mongolia, Bangladesh, West Bengal and other areas around the world (ATSDR 2007). Smaller populations have been affected over much broader regions. Populations exhibiting widespread impacts from arsenic have typically included people drinking water arsenic concentrations of at least 300 µg/L. In the U.S., where there is no consistent evidence of increased cancer incidence associated with arsenic in drinking water (Mink et al. 2008), the drinking water arsenic concentrations are typically less than 100 µg/L.

The first large population extensively studied included more than 40,000 people living in 37 townships in southeastern Taiwan. Between 1910 and 1920, the drinking water supply in this area changed from shallow surface water wells to deeper artesian wells that were subsequently found to have high arsenic concentrations. Most of the Taiwanese epidemiology studies are ecological in nature (Tseng et al. 1968; Tseng 1977; Chen et al. 1988; Wu 1989; Chen et al. 1992), meaning that they lack measures of individual arsenic exposures from drinking water. This kind of study has inherent limitations because groups of people with a range of exposures are lumped together in different exposure strata. Despite these and other limitations, the southwest Taiwanese database continues to be recommended as the most appropriate cohort for dose response assessment (NRC 1999, 2001; USEPA 2007).

In using the ecological studies for dose response assessment, it is critical that the uncertainties introduced by the limitations be carefully considered. Data on concentrations of arsenic in drinking wells in the Taiwanese villages is not comprehensive; not all wells present in each of the villages were sampled. For those villages in which more than one well was tested, considerable variability in arsenic concentrations existed (NRC 1999). In addition, wells experience temporal variability in arsenic concentrations; therefore, the limited sampling

conducted may not accurately reflect concentrations in the wells over time. The problem in using this data for dose-response assessments is that each village is assigned a single arsenic value, and it was assumed that all persons were exposed to that single selected concentration. Several analyses have demonstrated that lack of precise exposure data has led to overestimation of the responses associated with a given exposure to arsenic (Brown 2007; Brown and Chen 1995).

In addition to uncertainties associated with drinking water sources, factors such as health and nutritional status may affect the human response to arsenic. For example, results from several studies reviewed by NRC (2001) suggest that diets low in certain nutrients may exacerbate arsenic toxicity. Uncertainties in the overall impact of nutritional status on toxicity, therefore, add to uncertainties in extrapolating risks across populations.

4.2.2 Arsenic Mode of Action

Linear extrapolation of incremental cancer risk from effects observed at high doses to those expected at lower doses may result in overestimated risk at the lower dose. There is now substantial mode-of-action evidence that the dose-response for induction of cancer by arsenic is nonlinear (e.g., Germolec et al. 1996; Zhao et al. 1997; Shimizu et al. 1998; Barchowsky et al. 1999; Kaltreider et al. 1999; Kirkpatrick et al. 2000; Menzel et al. 2000; Trouba et al. 2000; Andrew et al. 2003; Kitchin and Ahmad 2003).

It is generally agreed that arsenic carcinogenesis involves indirect, rather than direct interactions with DNA, and that its toxicity is elicited not through a single mechanism, but rather through a number of interrelated pathways (NRC 2001; Schoen et al. 2004; Rossman 2003). The majority of plausible mechanisms (e.g., oxidative damage, disruption of DNA methylation, inhibition of DNA repair systems, chromosomal damage, modulation of signal transduction pathways, and alteration of gene transcription) are consistent with a sublinear dose-response relationship for arsenic carcinogenicity (Schoen et al. 2004). In other words, low doses of arsenic are likely to be relatively less effective in causing cancer than higher doses, and may, in fact, be associated with zero risk.

In addition, there is biochemical and cellular evidence that subtoxic levels of arsenic induce cellular protective mechanisms (Moore et al. 1993; Lee et al. 1985, 1986; Liu et al. 1994; Wang et al. 1994; Germolec et al. 1996; Barchowsky et al. 1999; Snow et al. 1999; Pott et al. 2000; Romach et al. 2000; Trouba et al. 2000; Snow et al. 2005). Evidence that arsenic can induce cellular protective responses at low doses provides further support that the effects of low doses of arsenic cannot be accurately predicted by linear extrapolations from high doses.

A comprehensive literature review and analysis of genomic dose-response information on arsenic has recently been published by Gentry et al. (2010). They examined hundreds of studies

of arsenic effects on the expression of various genes and proteins to assess the likely mode of action. Gentry et al. (2010) describes the following:

[T]he available in vitro gene expression data, together with information on the metabolism and protein binding of arsenic compounds, provide evidence of a mode of action for inorganic arsenic carcinogenicity involving interactions with critical proteins, such as those involved in DNA repair, overlaid against a background of chemical stress, including proteo-toxicity and depletion of nonprotein sulfhydryls. The inhibition of DNA repair under conditions of toxicity and proliferative pressure may compromise the ability of cells to maintain the integrity of their DNA.

Gentry et al. (2010) reviewed 800 citations that identified genomic responses following *in vivo* or *in vitro* arsenic administration, and found 160 articles with arsenic concentrations specified. These studies yielded approximately 1,100 data points for a specific genomic-related response for some 354 specific genes or proteins. For *in vitro* studies in primary cells, this compilation of studies provided a clear picture of varying effects of arsenic at the lowest concentrations (below 0.1 μM) vs. responses at 0.1 μM to 10 μM or higher. Gentry et al. (2010) observed a concentration-related hierarchy of responses that began with changes in gene and protein expression associated with adaptive responses. Above 0.1 μM , additional responses appeared associated with oxidative stress, proteotoxicity, inflammation and proliferative signaling. At concentrations above 10 μM , changes in apoptotic genes were most prominent. This analysis provides additional support for a nonlinear mode of action and has informed ongoing *in vivo* studies on genomic alterations in mouse bladder that will then inform efforts to extrapolate to human bladder carcinogenicity (Clewett et al. 2007; Clewett 2010; Kenyon et al. 2008a,b).

Overall, the body of evidence supports a non-linear dose-response relationship for arsenic. Therefore, extrapolation of response at lower arsenic exposures from known toxicity at higher doses, may over-predict the true risk of adverse health effects at lower doses.

4.2.3 Arsenic Dose-Response Assessment

Data obtained from both human and animal studies may be considered to evaluate a chemical's carcinogenicity. USEPA uses weight-of-evidence (WOE) classifications to characterize the extent to which the available data support the hypothesis that an agent causes cancer in humans. When human data are available and sufficient to show clear carcinogenicity, a chemical is categorized as a "known human carcinogen." Chemicals with lower levels of supporting data may be classified as "probable human carcinogens" or "possible human carcinogens." If a conclusion about carcinogenicity cannot be made, the chemical is considered "not classifiable as to human carcinogenicity." The category "evidence of non-carcinogenicity

in humans” is assigned when studies provide information that the chemical does not cause cancer (USEPA 2005b).³⁶

USEPA (2010) has classified arsenic as a known human carcinogen (WOE Class A). While human studies provide clear evidence of an association between oral arsenic exposure at high doses and increased cancer risk, there is considerable uncertainty in extrapolating the observed dose-response relationship to much lower doses.

A carcinogen’s potency is estimated by a CSF. Established separately for oral and inhalation exposure routes, CSFs are used to estimate the incremental risk of developing cancer over a lifetime of exposure. In standard risk assessment procedures, estimates of carcinogenic potency reflect the conservative assumption that no threshold exists for carcinogenic effects; in other words, every exposure to a carcinogenic chemical contributes to an individual’s overall risk of developing cancer. The slope factor values recommended by USEPA are conservative upper-bound estimates of potential risk. As a result, the “true” cancer risk is unlikely to exceed the estimated risk calculated using the cancer slope factors.

In 1988 EPA established an oral slope factor of $1.5 \text{ (mg/kg-day)}^{-1}$ for inorganic arsenic. This slope factor was reviewed and verified by EPA in 1994 (USEPA 2010b). The slope factor is based on an assessment of increased incidence of skin cancer in a southwestern Taiwan population exposed to high levels of arsenic (several hundred micrograms per day) in drinking water (Tseng et al. 1968; Tseng 1977). EPA (2010a) provides the following description of the derivation of this value:

The data provided in Tseng et al., 1968 and Tseng, 1977 on about 40,000 persons exposed to arsenic in drinking water and 7500 relatively unexposed controls were used to develop dose-response data. The number of persons at risk over three dose intervals and four exposure durations, for males and females separately, were estimated from the reported prevalence rates as percentages. It was assumed that the Taiwanese persons had a constant exposure from birth, and that males consumed 3.5 L drinking water/day and females consumed 2.0 L/day. Doses were converted to equivalent doses for U.S. males and females based on differences in body weights and differences in water consumption and it was assumed that skin cancer risk in the U.S. population would be similar to the Taiwanese population. The multistage model with time was used to predict dose-specific and age-specific skin cancer prevalence rates associated with ingestion of inorganic arsenic; both linear and quadratic model fitting of the data were conducted. The maximum likelihood estimate (MLE) of skin cancer risk for a 70 kg person drinking 2 L of water

³⁶ The WOE categories described in the final *Guidelines for Carcinogen Risk Assessment* (USEPA 2005b) as “standard hazard descriptors” are slowly being applied to replace those historically used in EPA’s IRIS (USEPA 2010). These descriptors include “carcinogenic to humans,” “likely to be carcinogenic to humans,” “suggestive evidence of carcinogenic potential,” “inadequate information to assess carcinogenic potential,” and “not likely to be carcinogenic to humans.” The draft reassessment of oral arsenic carcinogenicity classifies it as “carcinogenic to humans.”

per day ranged from 1E-3 to 2E-3 for an arsenic intake of 1 ug/kg/day. Expressed as a single value, the cancer unit risk for drinking water is 5E-5 per (ug/L).

EPA (2010) notes that at the time of the 1994 verification of the 1988 dose response assessment, data for internal cancers for the Taiwanese population from Chen et al. (1992) were considered inadequate to support a dose response assessment. Since that time, dozens of new epidemiology and research studies examining arsenic carcinogenicity have been published, and oral arsenic exposures are now more clearly linked to increased incidence of internal cancers, including bladder and lung cancers. In 1999, the NRC published a review of the 1988 EPA arsenic risk assessment, recommending that EPA continue to rely on the Taiwanese cohort, but that a new dose response assessment be based on internal cancers, rather than skin cancer (NRC 1999). Morales et al. (2000) used exposure data and data on lung, bladder, and liver cancer from the Taiwanese cohort, as published in three epidemiological studies (Wu 1989; Chen et al., 1988, 1992), to generate several statistical models for estimating potential arsenic-related cancer risks in the Taiwanese population and to extrapolate these risks to the U.S. population. EPA adapted one of these models as part of the rulemaking for the Primary Drinking Water Standard for Arsenic (USEPA 2001d).

Subsequently, NRC (2001) provided more detailed modeling recommendations that EPA (2005c) followed in generating a revised dose response assessment. In its latest draft reassessment (USEPA 2010c), that responds to USEPA (2007) recommendations for revisions to the 2005 assessment, EPA proposes a CSF of 25.7 per mg/kg-day. This toxicity value is more than 17 times greater than the current CSF of 1.5 per mg/kg-day. The new assessment has undergone a very limited review by an EPA Science Advisory Board (SAB) workgroup and has been the subject of copious critical public comments. Uncertainties associated with both the current oral CSF and the proposed CSF are discussed further in the uncertainty analysis (Section 6.2).

There is no CSF available for assessing the dermal exposure route, so oral toxicity values are used instead. Because oral toxicity values are usually derived from administered doses, whereas dermal exposure estimates are expressed as absorbed doses, the oral toxicity values must be adjusted to reflect absorbed doses. This adjustment is accomplished by multiplying the oral toxicity value by the chemical-specific gastrointestinal absorption rate. Because oral absorption of water soluble forms of inorganic arsenic very high, the oral CSF is applied directly to the dermal exposure pathway.

4.3 FMC'S EVALUATION OF ARSENIC NONCANCER EFFECTS

Oral exposures to inorganic arsenic are the focus of this risk assessment, so this section addresses that exposure route. As is the case for most chemicals, the range of effects associated with arsenic exposure increases with dose. Risk assessment typically focuses on those effects

observed at the lowest doses tested. These are termed the critical effects. In most cases, the doses at which the critical effects were observed are still substantially higher than doses anticipated in communities such as Middleport. A large number of studies in human populations exposed to high levels of arsenic in drinking water provide extensive data on toxicity via this route, but the study design limitations discussed in the prior section also limit the accuracy of extrapolating noncancer effects observed at high doses to predict effects at low doses. Possible critical effects are described below, followed by a summary the oral toxicity values used in this HHRA.

4.3.1 Noncancer Effects

Early epidemiology studies identified skin as the most sensitive noncancer endpoint of long-term oral arsenic exposure. Hyperkeratinization of the skin, formation of multiple hyperkeratinized corns or warts, and hyperpigmentation of the skin with interspersed spots of hypopigmentation are the most common types of lesions associated with oral arsenic exposure. The majority of studies demonstrate that these effects manifest at levels of approximately 0.002 to 0.2 mg As/kg-day (ATSDR 2007).

Studies in humans have also reported cardiovascular effects following oral exposures to arsenic. Cardiac effects include altered myocardial depolarization, cardiac arrhythmias, and ischemic heart disease. Chronic exposure to arsenic has also been shown to lead to effects on the vascular system. Blackfoot disease, characterized by loss of circulation to the hands and feet, necrosis, and gangrene, has been found in Taiwanese populations, corresponding to arsenic doses of approximately 0.014 to 0.065 mg/kg-day. Other vascular effects that have been associated with arsenic include increased incidence of Raynaud's disease, cyanosis, hypertension, and vascular occlusion of the blood vessels (ATSDR 2007).

Although little is known regarding the effects of arsenic on the endocrine system, several studies have reported an association between exposure to arsenic in drinking water and diabetes mellitus. More recently, Navas-Acien et al. (2008) reported that following adjustment for disease risk factors and seafood intake, increasing levels of total urine arsenic were positively associated with diabetes mellitus prevalence in a U.S. population with low to moderate arsenic exposure (total urine arsenic 3.6-13.9 µg/L). Other recent studies indicate that arsenic acts as an endocrine disruptor in altering gene regulation by steroid and estrogen receptors; the precise mechanism by which hormone-stimulated gene regulation is altered remains undetermined (Davey et al. 2007). Non-specific mechanisms including oxidative stress, inflammation, and apoptosis have also been suggested as playing a role in arsenic-related diabetes (Navas-Acien et al. 2008).

Several studies report decreased intelligence scores in children chronically exposed to arsenic (ATSDR 2007; von Ehrenstein et al. 2007; Wasserman et al. 2007).

Developmental effects following oral exposure to arsenic are uncertain. While oral exposure studies in laboratory animals have also found developmental effects, these studies were conducted at relatively high dose levels that also produced maternal toxicity (ATSDR 2007). Women chronically exposed to arsenic in drinking water in Bangladesh, India, and Taiwan have shown excess incidence of miscarriages, stillbirths, pre term births, and low birth weights; however, dose response data are not currently available for these effects.

4.3.2 Toxicity Values for Noncancer Effects

A single chemical may have one toxicity value for long-term exposure (e.g., years), another for short-term exposure (e.g., hours or days), and a third for exposure of intermediate duration. In risk assessment terminology, long-term exposures are known as chronic, short-term exposures as acute, and intermediate-term as subchronic. For many chemicals, the longer the exposure, the lower the dose that induces toxic effects.

Long exposures (i.e., chronic exposures) are defined as exposures exceeding 10 percent of a typical lifetime, usually assumed to be exposure for 7 years or longer. The potential for health effects other than cancer after at least 7 years of exposure is evaluated by comparing the estimated daily intake of a chemical with a chronic oral or inhalation reference dose (RfD). These toxicity values represent average daily exposure levels at which no adverse health effects are expected to occur with chronic exposures. Subchronic RfDs are applied when exposures are less than 7 years, as is the case with children (i.e., 0 to 6 years). Unlike toxicity values for carcinogenicity, RfDs reflect the underlying assumption that systemic toxicity occurs as a result of processes that have a threshold. That is, a safe level of exposure exists and toxicity effects will not be observed until this level has been exceeded.

The RfDs for many noncarcinogenic effects are generally derived from laboratory animal studies or human epidemiological studies. In such studies, the RfD is typically calculated by first identifying the highest concentration or dose that does not cause observable adverse effects (the no-observed-adverse-effect level [NOAEL]) in the study subject. If an NOAEL cannot be identified from the study, a lowest-observed-adverse-effect level (LOAEL) may be used. This dose or concentration is then divided by uncertainty factors to calculate an RfD.

The uncertainty factors account for limitations of the underlying data. They are intended to ensure that the calculated toxicity value is unlikely to result in adverse health effects in exposed human populations. For example, an uncertainty factor of 10 is applied to account for interspecies differences (if animal studies were used as the basis for the calculation), and another factor of 10 is applied to address the potentially greater sensitivity of subpopulations such as children or the elderly.

EPA (2010) established an oral RfD of 0.0003 mg/kg-day based on the critical effect of characteristic changes in the skin and possible vascular complications. The principal study used

in deriving the RfD, a study of a Taiwanese population exposed to high concentrations of arsenic in drinking water (hundreds of micrograms per liter) reported a NOAEL of 0.009 mg/L. Assumptions applied in establishing the RfD include a water consumption rate of 4.5 L/day, a body weight of 55 kg, and an uncertainty factor of 3. The uncertainty factor accounts for both the lack of data to preclude reproductive toxicity as a critical effect and some uncertainty in whether the NOAEL of the critical study accounts for all sensitive individuals. EPA ranked confidence in the oral RfD as medium. Limitations of the study included poor exposure characterization and potential confounding with other contaminants present (USEPA 2010b).

EPA is in the process of revising the noncancer dose response assessment for inorganic arsenic, and scheduled to submit a draft report to the EPA SAB for review during the summer of 2010. It is possible that the reassessment may focus on different critical effects.

The arsenic oral RfD is also used to evaluate the dermal exposure pathway by a process called route-to-route extrapolation. Such extrapolation is based on the assumption that once a chemical is absorbed into the bloodstream, the health effects are similar regardless of whether the route of exposure is oral or dermal. An oral bioavailability adjustment factor is typically applied to the oral RfD to evaluate the dermal exposure route. In the case of arsenic, the oral RfD is applied directly to the dermal route because oral absorption of water soluble forms of arsenic is high.

EPA does not provide an RfD for subchronic exposure. Tsuji et al. (2004) developed a reference level of 0.005 mg/kg-day for subchronic exposures (e.g., 14 days to 6 years). The reference level was established by reviewing health effects in children exposed to arsenic for subchronic durations. A study of children aged 0 to 9 years showing skin effects during exposure to arsenic via drinking water provided the basis for the reference level. Similar to the EPA's RfD, the subchronic reference level is based on the most sensitive endpoint established for arsenic, changes to the skin.

5 FMC'S RISK CHARACTERIZATION

To characterize risks related to arsenic exposure, estimated intakes calculated in the exposure assessment and information developed in the toxicity assessment are combined to yield numerical estimates of potential health risk for both carcinogenic and noncarcinogenic endpoints. This phase of a risk assessment also involves interpreting and qualifying the derived risk estimates and the associated uncertainty (see Section 6). This risk characterization focuses on site-wide, or community, risks, but risks for selected properties are also presented herein. This risk characterization presents the interpretation of FMC and its consultants.

For residents, long-term exposure as both a child and an adult was assumed for the evaluation of cancer and noncancer risks. Noncancer risks were also evaluated for a child with subchronic (i.e., shorter) exposure. For utility workers, all exposure was assumed to have occurred as an adult, for both cancer and noncancer risks. For schoolchildren, only cancer risk for exposure as an adolescent was evaluated.

For all receptors, risks were evaluated using deterministic analyses incorporating both default and site-specific exposure assumptions. For the residential scenarios only, probabilistic analyses incorporating site-specific exposure assumptions were also used.

Deterministic analysis results for intake of arsenic by residents and schoolchildren were calculated by incorporating the exposure factors presented in Section 3 into modified general Equations 1 and 2 (see Section 3.1) for incidental ingestion of and dermal contact with soil and dust, respectively. Deterministic analysis results for intake of arsenic by utility workers were calculated by incorporating the exposure factors previously presented into Equations 3 and 4 for ingestion of and dermal contact with soil, respectively. For all scenarios, intakes calculated for all relevant exposure pathways were summed to result in a total arsenic intake value. Risks were then calculated from the total arsenic intake values and toxicity estimates, as described in the following subsections.

Deterministically calculated risks were estimated for both the CTE case, defined as the 50th percentile, and the RME case, defined as the 90th or 95th percentile (USEPA 1989). The choice of percentile for the RME depends on such risk management issues as the degree of conservatism used in the calculations, background and community-wide exposures, and remediation constraints.

Probabilistically calculated intakes for incidental ingestion of arsenic in soil and house dust by child and adult residents were estimated by incorporating the modified general intake equation (Equation 1) and exposure factors into Crystal Ball® for Monte Carlo analysis. For each intake model, 10,000 simulations were run. Risks were then calculated from the total arsenic intake data and toxicity estimates, as described in the following subsections. CTE and RME risk values

were obtained from the risk probability distributions at the appropriate mid-range (50th) and high-end (95th) percentiles of the distributions. In addition to the probabilistic analysis results provided in subsequent sections, Crystal Ball® output is provided as Attachment 5.

The probabilistic risk calculations were structured to use individual sampling results, which is equivalent to assuming an individual receives his or her entire lifetime exposure (whether 1 year or 86 years) from one sampling point. While the presentation of probabilistic results in a cumulative probability function partially recognizes the variability in soil concentrations throughout Middleport, it does not fully address the exposure averaging that occurs as individuals move within their own properties and within the community. Such averaging would tend to pull both upper and lower tails of the risk distribution toward the central risk estimate, and would reduce estimates of upper percentile risk values. One solution would be to incorporate property- and community-wide averages into the probabilistic risk calculations. Another approach would be to use these concepts as the rationale for defining the RME scenario in less conservative terms (e.g., 90th percentile exposure rather than 95th or 99th percentiles). This issue is also addressed in Section 6.

5.1 COMBINATION FACTORS FOR INTAKE EQUATIONS

Because exposure data for ingestion rate, adherence factor, surface area, and body weight parameters were available for only child or adult receptors separately, these data needed to be combined for the adult plus child resident exposure scenarios. Equations 5 and 6 (below) were used to combine the data for these variables based on the child and adult plus child exposure duration parameter for a particular simulation when necessary. For the adult plus child scenarios only, the ingestion rate variable in the numerator and the body weight variable in the denominator of Equation 1 were eliminated, replaced by the term CF_i of Equation 5:

$$CF_i = \left[\left(\frac{ED_{adult+child} - ED_{child}}{ED_{adult+child}} \right) \times \left(\frac{IR_{adult}}{BW_{adult}} \right) \right] + \left[\left(\frac{ED_{child}}{ED_{adult+child}} \right) \times \left(\frac{IR_{child}}{BW_{child}} \right) \right]$$

Equation 5. Ingestion Equation Adult plus Child Combination Factor

Where:

CF_i	=	combination factor for ingestion (mg/day-kg)
ED	=	exposure duration (years)
IR	=	ingestion rate (mg/day)
BW	=	body weight (kg)

(All other variables included in Equation 1 were unchanged.)

For all default deterministic analyses of the adult plus child scenarios only, the adherence factor and surface area variables in the numerator and the body weight variable in the denominator of Equation 2 were eliminated, replaced by the term CF_d in Equation 6:

$$CF_d = \left[\left(\frac{ED_{adult+child} - ED_{child}}{ED_{adult+child}} \right) \times \left(\frac{AF_{adult} \times SA_{adult}}{BW_{adult}} \right) \right] + \left[\left(\frac{ED_{child}}{ED_{adult+child}} \right) \times \left(\frac{AF_{child} \times SA_{child}}{BW_{child}} \right) \right]$$

Equation 6. Dermal Contact Equation Adult plus Child Combination Factor

Where:

CF_d	=	combination factor for dermal contact (mg/day-kg)
ED	=	exposure duration (years)
AF	=	adherence factor (mg/cm ² -event)
SA	=	surface area (cm ²)
BW	=	body weight (kg)

(All other variables included in Equation 2 were unchanged.)

As discussed for the deterministic analyses, Equation 5 was also used for the probabilistic analyses to combine child-only and adult-only ingestion rate and body weight data for the adult plus child resident scenarios. If in a particular probabilistic simulation the child exposure duration value was greater than the adult plus child exposure duration value, a negative combination factor (Equation 5) would result. To preclude this possibility, the following rule was applied to the combination factor calculation:

$$\text{If } ED_{child} \geq ED_{adult+child}, \text{ then } ED_{adult+child} = ED_{child}$$

In other words, if the child exposure duration was greater than or equal to that of the adult plus child for a particular model run, the exposure scenario for that run was assumed to represent a situation in which a person lives in Middleport during childhood only, and only child-specific exposure assumptions were used to estimate intakes.

5.2 CANCER RISKS

A cancer risk estimate derived using standard risk assessment methods is characterized as the excess probability that an individual will develop cancer during his or her lifetime due to exposure to site-related chemicals in the specific exposure scenario evaluated. The term "excess" reflects the fact that the calculated risk associated with site-related exposures is in addition to background cancer risk experienced by all individuals in the course of daily life. In this document, this risk is referred to as the "total" excess lifetime cancer risk.

Excess lifetime cancer risks for ingestion exposure pathways are typically calculated by multiplying the daily contaminant intake, or lifetime average daily dose (LADD), by the contaminant-specific oral CSF. The discussion of risk results focuses on key risk levels within EPA's acceptable risk range: 1 in 1,000,000 (10^{-6}), 1 in 100,000 (10^{-5}), and 1 in 10,000 (10^{-4}). For this HHRA, cancer risks were calculated using the following equation:

$$Risk = LADD \times CSF$$

Equation 7. Excess Lifetime Cancer Risk

Where:

Risk	=	excess lifetime cancer risk associated with exposure to contaminant via the specified exposure route (unitless)
LADD	=	estimated lifetime average daily dose of contaminant via the specified exposure route (mg/kg-day)
CSF	=	contaminant-specific cancer slope factor ([mg/kg-day] ⁻¹)

As discussed in Section 4.2.3, an oral CSF for arsenic of $1.5 \text{ (mg/kg-day)}^{-1}$ was used for all scenario calculations. EPA's recently released draft oral CSF of $25.7 \text{ (mg/kg-day)}^{-1}$ is evaluated in the sensitivity analysis (USEPA 2010c) (Section 6.2).

Because cancer risks are assumed to be additive, risks associated with simultaneous exposures via more than one exposure pathway, as is the case in this HHRA, must be summed to determine the total excess cancer risk for the population of concern (e.g., residents) (USEPA 1989). For example, a utility worker may be exposed to a particular chemical by incidental ingestion of and dermal contact with soil. These two pathways are summed to determine total excess lifetime cancer risk. Thus, total excess cancer risk considers both exposure to multiple carcinogens and exposure via multiple pathways.

Because there are risks associated with both current CMS area and background conditions, comparison between CMS area and background conditions is a critical issue in understanding the potential risk reduction associated with any remedial actions that might be undertaken at the site. This risk difference is termed the "incremental" risk and reflects the risks currently present in the study areas above background conditions. Both total and incremental excess lifetime cancer risks for the study areas are provided below. Total excess lifetime cancer risks are also provided for background conditions (i.e., cancer risk associated with arsenic in soil in the absence of FMC activities).

5.2.1 Cancer Risks for Deterministic Analyses

Cancer risks were calculated deterministically for the following CMS area, receptor, and pathway-specific scenarios:

- Air deposition study area
 - Residential combined adult plus child receptor, incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
- Culvert 105 study area north of the canal
 - Residential combined adult plus child receptor, incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
- Culvert 105 study area
 - Utility worker receptor, incidental ingestion of and, for default analysis only, dermal contact with surface and subsurface soil
- Wooded Parcel
 - Utility worker receptor, incidental ingestion of and, for default analysis only, dermal contact with surface and subsurface soil
- Roy-Hart school property
 - Schoolchild receptor, incidental ingestion of and, for default analysis only, dermal contact with surface soil and indoor dust

Cancer risks were also estimated for the background data sets for the air deposition study area and Culvert 105 study area north of the canal in order to calculate incremental risks.

Calculation of incremental risks was not possible for the utility worker scenarios because comparable surface and subsurface soil data sets could not be derived for background conditions.

5.2.2 Cancer Risks for Probabilistic Analyses

Cancer risks were calculated probabilistically for the following residential scenarios:

- Air deposition study area
 - Combined adult plus child receptor, incidental ingestion of surface soil and house dust
- Culvert 105 study area north of the canal
 - Combined adult plus child receptor, incidental ingestion of surface soil and house dust

Cancer risks were also estimated for the background data sets for these study areas in order to calculate incremental risks. Cancer risks were not evaluated probabilistically for the utility worker scenarios because the deterministic risk calculations were well below levels of concern, as discussed in Sections 5.5.3.1 and 5.5.4.1.

5.3 NONCANCER RISKS

A noncarcinogenic health risk is typically calculated as a simple ratio of the intake from site exposures to the level determined to be without any risk of adverse effects, such as the RfD. This ratio is referred to as the hazard quotient. If receptors are exposed to contaminant levels less than or equal to the RfD (hazard quotient less than or equal to 1), no adverse health effects are expected. Exposures above an RfD (hazard quotient greater than 1) do not mean that adverse human health effects are certain to occur, but rather that further evaluation is appropriate.

For this HHRA, the noncancer hazard quotient was calculated using the following equation:

$$HQ = \frac{ADD}{RfD}$$

Equation 8. Hazard Quotient for Noncarcinogenic Health Risks

Where:

HQ	=	hazard quotient associated with exposure to contaminant via the specified exposure route (unitless)
ADD	=	estimated average daily dose of contaminant via the specified exposure route (mg/kg-day)
RfD	=	contaminant-specific reference dose (mg/kg-day)

To evaluate the effects of exposure through multiple exposure routes, the hazard quotients for each exposure pathway are typically summed to determine a noncancer hazard index. For this HHRA, the noncancer hazard index was calculated using the following equation:

$$HI = \frac{ADD_1}{RfD} + \frac{ADD_2}{RfD} + \dots + \frac{ADD_i}{RfD}$$

Equation 9. Hazard Index Equation for Noncarcinogenic Health Risks

Where:

HI	=	hazard index associated with exposure to contaminant (unitless)
ADD _i	=	estimated average daily dose of contaminant via the <i>i</i> th exposure route (mg/kg-day)
RfD	=	contaminant-specific reference dose (mg/kg-day)

As discussed in Section 4.3.2, a chronic oral RfD for arsenic of 0.0003 mg/kg-day was used in calculations for the adult plus child resident, utility worker, and schoolchild scenarios. A subchronic oral RfD for arsenic of 0.005 mg/kg-day was used for the child resident scenario. This subchronic RfD was obtained from a peer reviewed scientific paper, but has not been adopted by EPA. Noncancer risks for both the CMS areas and background conditions are provided below.

5.3.1 Noncancer Risks for Deterministic Analyses

Noncancer risks were calculated deterministically for the following CMS area, receptor, and pathway-specific scenarios:

- Air deposition study area
 - Residential combined adult plus child receptor (chronic exposure), incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
 - Residential child receptor (subchronic exposure), incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
- Culvert 105 study area north of the canal
 - Residential combined adult plus child receptor (chronic exposure), incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
 - Residential child receptor (subchronic exposure), incidental ingestion of and, for default analysis only, dermal contact with surface soil and house dust
- Culvert 105 study area
 - Utility worker receptor, incidental ingestion of and, for default analysis only, dermal contact with surface and subsurface soil
- Wooded Parcel
 - Utility worker receptor, incidental ingestion of and, for default analysis only, dermal contact with subsurface soil

Noncancer risks were also calculated for the background data sets derived for the air deposition study area and Culvert 105 study area north of the canal for comparison with noncancer risks for the two study areas. Comparison with background conditions was not possible for the utility worker scenarios because background subsurface soil arsenic data were not available. Noncancer risks were not evaluated for the schoolchild scenario.³⁷

5.3.2 Noncancer Risks for Probabilistic Analyses

Noncancer risks were calculated probabilistically for the following residential scenarios:

- Air deposition study area
 - Combined adult plus child receptor (chronic exposure), incidental ingestion of surface soil and house dust
 - Child receptor (subchronic exposure), incidental ingestion of surface soil and house dust
- Culvert 105 study area north of the canal
 - Combined adult plus child receptor (chronic exposure), incidental ingestion of surface soil and house dust
 - Child receptor (subchronic exposure), incidental ingestion of surface soil and house dust

Noncancer risks were also calculated probabilistically for the background data sets derived for these study areas for comparison with noncancer risks for these study areas. Noncancer risks were not evaluated probabilistically for the utility worker scenarios because the deterministic risks were well below levels of concern, as discussed in Sections 5.5.3.1 and 5.5.4.1.

5.4 FMC'S EVALUATION OF CORRECTIVE MEASURE ALTERNATIVES

The 10 CMAs evaluated are identified in Section 1.3.1.2. For each of the CMS areas, the 10 alternatives, along with pre-ICM and background conditions where applicable, were evaluated for protectiveness of human health using risk-based analyses. The HHRA risk results, as presented in the subsections below, are organized by CMS area, receptor scenario, and then health effect (cancer or noncancer). Intermediate intake results are provided in Attachment 5 (Crystal Ball®-generated probabilistic intake results) and summarized in Attachment 6 (all intake results).

³⁷ The goal of the schoolchild scenario analysis was a simple comparison to evaluate conclusions previously reached regarding the schoolyard by the Agencies. Because cancer health endpoints were considered more important to evaluate, and because noncancer hazard indices were expected to be less than 1 based on the results of other scenarios, noncancer risks were not evaluated.

For all relevant scenarios, including residents and utility workers, CTE and RME noncancer risks are below the acceptable maximum of 1 for all conditions evaluated. Because this is indicative of no concern for noncancer health effects resulting from site-related exposures, noncancer risks were not considered when evaluating the CMAs. Therefore, although both noncancer and cancer risk results are presented below, the focus of the discussion within the following subsections is on cancer risk results.

5.4.1 Air Deposition Study Area Residential Scenarios

The residential scenarios evaluated for the air deposition study area include cancer risks for exposure as a child and as an adult and noncancer risks for both chronic exposure (exposure as a child and as an adult) and subchronic exposure (exposure only as a child). Total CTE and RME excess lifetime cancer risks calculated by all three methods (default deterministic, site-specific deterministic, and site-specific probabilistic) for all the CMAs are within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . The CTE and RME incremental excess lifetime cancer risks for CMAs 2 through 8 are all less than 1×10^{-5} , with the exception of the RME default deterministic estimate for CMA 5 (1×10^{-5}). CTE and RME hazard indices less than 1 for all conditions evaluated indicate an absence of any noncancer health risks. Details are discussed below.

5.4.1.1 Cancer Risks

Cancer risks were estimated for air deposition study area residents using default deterministic, site-specific deterministic, and site-specific probabilistic analyses. Total CTE and RME excess lifetime cancer risks calculated using each approach are tabulated for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-1.³⁸ Incremental risks that show the difference between site impacts and background conditions are shown in Table 5-2. Figures 5-1 and 5-2 include graphical comparisons of the total and incremental RME risk results for each of the analyses, and Figure 5-3 includes the risk distributions resulting from the probabilistic analyses.

As shown in Table 5-1, all excess cancer risks are within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . Using only site-specific calculation approaches (deterministic and probabilistic), no RME estimates exceed 1×10^{-5} . For current conditions, the RME total excess risk was estimated to be 6×10^{-5} using the default deterministic approach, 7×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach. This general pattern is applicable for all CMAs; more specifically, RME default deterministic risk estimates

³⁸ EPA guidance suggests rounding all risk estimates to one significant digit. The use of two significant digits in reporting cancer risk estimates in the tables and figures of this HHRA overstates the precision of the risk estimates, but was needed to illustrate the differences in risk for the various CMAs. The estimates discussed herein that consist of one significant digit were rounded within a calculation spreadsheet, reflecting the rounding rules of the spreadsheet system, and therefore may vary slightly from the rounded values reported in table and figure.

are roughly 10 times higher than RME site-specific deterministic estimates, which are approximately twice as high as RME site-specific probabilistic estimates. Using any calculation method, no CTE estimates exceed 1×10^{-5} . Using only site-specific calculation approaches, no CTE estimates exceed 1×10^{-6} .

As shown in Table 5-2, the RME incremental risk for current conditions (i.e., the difference in excess risks in the study areas relative to excess risks for background conditions) was estimated to be 2×10^{-5} using the default deterministic approach, 2×10^{-6} using the site-specific deterministic approach, and 9×10^{-7} using the probabilistic approach. These incremental risks are approximately one-fourth as high as the total excess risks. For the CMAs other than current conditions, all incremental risks are 1×10^{-5} or less, and for CMA 2, the incremental risks calculated using deterministic approaches are negative (i.e., CMA 2 would result in risks lower than background risks).

Figure 5-3 shows the excess lifetime cancer risk distributions produced by the probabilistic risk evaluation for the air deposition study area. The 95th percentiles, shown for three distributions by long dashed lines, were used to identify RME risk results and the 50th percentiles, shown by short dashed lines, were used to identify CTE results. In the “a” version of the figure, example probabilistic CTE and RME cancer risks are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. With the exception of one calculated data point,³⁹ the entire risk probability distribution shown in Figure 5-3a falls within or below the acceptable risk range. A “b” version of the figure is truncated along the x-axis to provide greater detail. In the “b” version of the figure, additional example probabilistic CTE and RME cancer risks are indicated for CMAs 2, 6A, and 7A.

As can be seen from Figure 5-1, there are only small differences in RME risk estimates for any of the CMAs for the air deposition study area.

5.4.1.2 Noncancer Risks

Chronic noncancer risks were estimated for the air deposition study area adult plus child resident using default deterministic, site-specific deterministic, and site-specific probabilistic analysis approaches. CTE and RME hazard indices calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-3. Figure 5-4 includes a graphical comparison of the RME risk results for each of the analyses, and Figure 5-5 includes the risk distributions resulting from the probabilistic analysis. In the “a” version of Figure 5-5, example probabilistic CTE and RME hazard indices are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. A “b” version of the figure is truncated along the x-axis to provide

³⁹ As noted in Figure 5-3a, one pre-ICM data point out of 10,000 simulated data points in the data set had a total excess lifetime cancer risk greater than 1×10^{-4} .

greater detail. In the “b” version of Figure 5-5, additional example probabilistic CTE and RME hazard indices are indicated for CMAs 2, 6A, and 7A.

As shown in Table 5-3, all hazard indices are below 1, indicating that, regardless of approach, all of the predicted exposures under all of the conditions evaluated are considered to be acceptable for noncancer health effects. The RME hazard index for current conditions was estimated to be 0.3 using the default deterministic approach, 0.04 using the site-specific deterministic approach, and 0.07 using the probabilistic approach. With the exception of a few calculated data points,⁴⁰ the entire hazard index probability distribution shown in Figure 5-5 falls below 1, indicating that nearly all of the predicted exposures are considered to be acceptable for noncancer health effects.

Subchronic noncancer risks estimated for the air deposition study area child resident were also calculated using all three methods of analysis. CTE and RME hazard indices calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-4. Figure 5-6 includes a graphical comparison of the RME risk results for each of the analyses, and Figure 5-7 includes the risk distributions resulting from the probabilistic analysis. In the “a” version of Figure 5-7, example probabilistic CTE and RME hazard indices are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. A “b” version of the figure is truncated along the x-axis to provide greater detail. In the “b” version of the figure, additional example probabilistic CTE and RME hazard indices are indicated for CMAs 2, 6A, and 7A.

As shown in Table 5-4, all subchronic hazard indices are well below 1. The RME hazard index for current conditions was estimated to be 0.07 using the default deterministic approach, and 0.008 using either the site-specific deterministic approach or the probabilistic approach. The entire hazard index probability distribution shown in Figure 5-7 falls below 1, indicating that all of the predicted exposures are considered to be acceptable for noncancer health effects.

5.4.1.3 Surface and Shallow Subsurface Soil Comparison

Risks to residents in the air deposition study area were calculated based on surface soil sample arsenic concentrations only. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 0 to 6 in. bgs). Surface samples were used for the residential receptor because residents are expected to have greater contact with surface soils than with subsurface soil. In addition, because Middleport surface soils tend to have higher arsenic concentrations than subsurface soils, use of surface soils is a conservative approach to calculating risk.

Although residents are expected to contact primarily surface soils, a typical resident may reasonably encounter shallow subsurface soils as well. A quantitative evaluation of risks due to

⁴⁰ As shown in Figure 5-5a, two pre-ICM data points and one background data point out of 10,000 simulated data points in each data set have hazard indices above 1.

potential exposure to arsenic in subsurface soils at all depths was performed for the Culvert 105 study area and the Wooded Parcel through utility worker scenarios. To evaluate potential residential exposures to subsurface soils in the air deposition study area, qualitative and quantitative comparisons of surface and shallow subsurface soil arsenic concentrations were performed. For these comparisons, a shallow subsurface soil sample is defined as one having a start depth of greater than 0 in. bgs and an end depth of less than or equal to 12 in. bgs. In Figure 5-8, the surface soil arsenic concentration distribution for current conditions is located to the right of the current shallow subsurface soil arsenic concentration distribution, which indicates that current surface soil concentrations are generally higher than those in the current shallow subsurface. Because surface soil concentrations are higher, risks estimated from surface soil concentrations alone will be higher as compared to risks estimated by including shallow subsurface soils.

As the recommended preferred alternative, CMA 3 is also shown in Figure 5-8. Because the CMAs in this study address arsenic concentrations in both surface and subsurface soils, the post-CMA surface and shallow subsurface soil arsenic concentration distributions are both shifted to the left. Figure 5-8 also shows that post-CMA 3 surface soil concentrations are marginally higher than post-CMA 3 shallow subsurface soil concentrations. For all of the CMAs in the air deposition study area, post-CMA surface soil concentrations are higher than, or in one case (CMA 8) equal to, post-CMA shallow subsurface soil concentrations (Table 5-5). Therefore, estimation of risks based on surface soils alone will be higher than risks based on both surface and shallow subsurface soils.

5.4.2 Culvert 105 Study Area North of the Canal Residential Scenarios

The residential scenarios evaluated for the Culvert 105 study area north of the canal are the same as those evaluated for the air deposition study area: cancer risk from exposure as a child and as an adult and noncancer risks for chronic exposure (as a child and as an adult) and for subchronic exposure (as a child only). Total CTE and RME excess lifetime cancer risks calculated by all three methods (default deterministic, site-specific deterministic, and site-specific probabilistic) for all the CMAs are within or below the acceptable risk range. The CTE and RME incremental excess lifetime cancer risks are also all within or below EPA's risk range. Incremental risks are negative for CMAs 2 through 8 because background risks are higher than site-related risks for these alternatives. CTE and RME hazard indices less than 1 for all conditions evaluated indicate an absence of any noncancer health risks. Details are discussed below.

5.4.2.1 Cancer Risks

Cancer risks were estimated for the Culvert 105 study area north of the canal resident using default deterministic, site-specific deterministic, and site-specific probabilistic analyses. Total CTE and RME excess lifetime cancer risks calculated using each of the approaches are tabulated

for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-6⁴¹. Incremental risks marking the difference between site impacts and background conditions are shown in Table 5-7. Figures 5-9 and 5-10 include graphical comparisons of the total and incremental RME risk results for each of the analyses, and Figure 5-11 depicts the risk distributions resulting from the probabilistic analyses.

As shown in Table 5-6, all excess cancer risks are within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} , except for slight exceedances under the pre-ICM and current conditions scenarios for the Culvert 105 study area north of the canal.⁴² Using only site-specific assumptions, no RME estimates for current or post-CMA conditions exceed 1×10^{-5} . For current conditions, RME total excess risk was estimated to be 1×10^{-4} using the default deterministic approach, 1×10^{-5} using the site-specific deterministic approach, and 7×10^{-6} using the probabilistic approach. This general pattern is applicable for all CMAs; RME default deterministic risk estimates are on the order of 10 times higher than RME site-specific deterministic estimates, which are approximately twice as high as RME site-specific probabilistic estimates. Using any calculation method, no CTE estimates exceed 1×10^{-5} . Using only site-specific calculation approaches, no CTE estimates exceed 1×10^{-6} .

As shown in Table 5-7, incremental risks are positive for only pre-ICM and current conditions because all other CMAs resulted in risks lower than background.⁴³ For current conditions, the RME incremental excess risk was estimated to be 6×10^{-5} using the default deterministic approach, 6×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach.

Figure 5-11 shows the excess lifetime cancer risk distributions produced by the probabilistic risk evaluation for the Culvert 105 study area north of the canal. The 95th percentiles, shown for three distributions by long dashed lines, were used to identify RME risk results and the 50th percentiles, shown by short dashed lines, were used to identify CTE results. In the "a" version of the figure, example probabilistic CTE and RME cancer risks are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. With the exception of one calculated data point,⁴⁴ the entire risk probability distribution shown in Figure 5-11a falls within or below the acceptable risk range. A "b" version of the figure is truncated along the x-axis to provide greater detail. In the "b" version of the figure, additional example probabilistic CTE and RME cancer risks are indicated for CMAs 2, 6A, and 7A. For CMAs 2 through 8, CTE and RME background risks are equal to or higher

⁴¹ Versions A and B are combined for CMAs 6 and 7 for the Culvert 105 study area north of the canal and the Culvert 105 study area in results tables because potential remediation at the Roy-Hart school does not impact the risks for these study areas.

⁴² EPA guidance suggests rounding all risk estimates to one significant digit. When rounded, no risk estimates exceed 1×10^{-4} .

⁴³ An exception is the CTE incremental risk using the site-specific probabilistic approach for CMA 5 (1×10^{-8}).

⁴⁴ As noted in Figure 5-11, one current (CMA 1) data point out of 10,000 simulated data points in the data set had a total excess lifetime cancer risk greater than 1×10^{-4} .

than site-related CTE and RME risks using all calculation methods except for the CTE site-specific probabilistic analysis for CMA 5 (Figure 5-11b, Table 5-7).

5.4.2.2 Noncancer Risks

Chronic noncancer risks were estimated for the Culvert 105 study area north of the canal adult plus child resident using default deterministic, site-specific deterministic, and site-specific probabilistic analyses. CTE and RME hazard indices calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-8. Figure 5-12 includes a graphical comparison of the RME risk results for each of the analyses, and Figure 5-13 includes the risk distributions resulting from the probabilistic analysis. In the “a” version of Figure 5-13, example probabilistic CTE and RME hazard indices are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. A “b” version of the figure is truncated along the x-axis to provide greater detail. In the “b” version of Figure 5-13, additional example probabilistic CTE and RME hazard indices are indicated for CMAs 2, 6A, and 7A.

As shown in Table 5-8, all hazard indices are below 1, indicating that, regardless of analysis approach, all of the predicted exposures under all of the conditions evaluated are considered to be acceptable for noncancer health effects. The current RME hazard index was estimated to be 0.7 using the default deterministic approach, 0.07 using the site-specific deterministic approach, and 0.1 using the probabilistic approach. With the exception of a handful of calculated data points⁴⁵, the entire hazard index probability distribution shown in Figure 5-13 falls below 1, indicating that nearly all of the predicted exposures are considered to be acceptable for noncancer health effects.

Subchronic noncancer risks estimated for the Culvert 105 study area north of the canal child resident were also calculated using all three approaches. CTE and RME hazard indices calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), post-CMA, and background conditions in Table 5-9. Figure 5-14 includes a graphical comparison of the RME risk results for each of the analyses, and Figure 5-15 includes the risk distributions resulting from the probabilistic analysis. In the “a” version of Figure 5-15, example probabilistic CTE and RME hazard indices are indicated for background conditions, current conditions (CMA 1), and CMA 3, the preferred alternative recommended in this CMS. A “b” version of the figure is truncated along the x-axis to provide greater detail. In the “b” version of Figure 5-15, additional example probabilistic CTE and RME hazard indices are indicated for CMAs 2, 6A, and 7A.

As shown in Table 5-9, all subchronic hazard indices are well below 1. The current RME hazard index was estimated to be 0.1 using the default deterministic approach and 0.01 using both of

⁴⁵ As shown in Figure 5-13a, two pre-ICM and three current (CMA 1) data points out of 10,000 simulated data points in each data set have hazard indices above 1.

the site-specific approaches. The entire hazard index probability distribution shown in Figure 5-15 falls below 1, indicating that all of the predicted exposures are considered to be acceptable for noncancer health effects.

5.4.2.3 Surface and Shallow Subsurface Soil Comparison

Risks to residents in the Culvert 105 study area north of the canal were calculated based on surface soil sample arsenic concentrations only. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 3 to 6 in. bgs). As discussed in Section 5.6.1.3 for the air deposition study area, a typical resident may reasonably encounter shallow subsurface soils as well. To evaluate potential residential exposures to subsurface soils in the Culvert 105 study area north of the canal, qualitative and quantitative comparisons of surface and shallow subsurface soil arsenic concentrations were performed. For these comparisons, a shallow subsurface soil sample is defined as one having a start depth of greater than 0 in. bgs and an end depth of less than or equal to 12 in. bgs. In Figure 5-16, the current surface soil arsenic concentrations distribution is located to the right of the current shallow subsurface soil arsenic concentrations distribution, which indicates that current surface soil concentrations are higher than those in the current shallow subsurface. Because surface soil concentrations are higher, risks estimated from surface soil concentrations alone will be higher as compared to risks estimated by including shallow subsurface soils.

As the recommended preferred alternative, CMA 3 is also shown in Figure 5-16. Because the CMAs in this study address arsenic concentrations in both surface and subsurface soils, the post-CMA surface and shallow subsurface soil arsenic concentration distributions are both shifted to the left. In the Culvert 105 study area north of the canal, the post-CMA 3 surface and shallow subsurface soil concentration distributions are overall approximately equal to each other.⁴⁶ For all of the CMAs in the study area, post-CMA surface soil concentrations are either higher than (CMAs 1, 4, and 5) or approximately equal to (CMAs 2, 3, 6A and B, 7A and B, and 8) post-CMA shallow subsurface soil concentrations (Table 5-10). Therefore, estimation of risks based on surface soils alone will be higher than or approximately equal to risks based on both surface and shallow subsurface soils.

5.4.2.4 Evaluation of Culvert 105 Surface Soil Sample Selection

In the Culvert 105 study area north of the canal, which consists of reaches C1, C2, and C3 of the Culvert 105 study area,⁴⁷ sample locations are not as evenly distributed as those within the air deposition study area. In all three reaches, concentrated rows of samples were arranged to transect Culvert 105, and in reaches C1 and C3, few samples were located away from the culvert

⁴⁶ The mean [standard deviation] for surface soil is 9.0 [$\pm$ 9.3] mg/kg and for shallow subsurface soil is 9.2 [$\pm$ 8.8] mg/kg (Table 5-10).

⁴⁷ Reach CS is also part of the Culvert 105 study area, but it is located south of the Erie Canal in the air deposition study area.

in a manner that would yield representative estimates of average exposures throughout each property. Because homes are generally set back from the open sections of the culvert, this sample pattern will not accurately portray average exposures residents would experience in their yards. As long as arsenic concentrations are higher along the culvert, this will cause soil arsenic exposures to be overestimated.

In reach C2, grid samples were collected across properties in an evenly distributed manner in the areas where there were no transect samples. As shown in Figure 5-17, the distribution of transect sample arsenic concentrations (mean 102 mg/kg) is located to the right of the distribution of grid sample arsenic concentrations (mean 52.3 mg/kg), which indicates that arsenic concentrations are generally higher near the culvert. All available reach C2 samples (i.e., grid and transect samples) were included in Culvert 105 study area north of the canal analyses, as well as the transect samples for reaches C1 and C3.

Because orchards, or potential non-FMC sources of arsenic, were not historically located within reach C1 (see Figure 2-5 of the RFI report, Volume IV [ARCADIS 2009b]), sample arsenic concentrations are expected to be higher close to the culvert. Therefore, use of the available reach C1 sample data for risk assessment calculations is anticipated to be conservative.

In reach C3, orchards have historically been located in the area surrounding the culvert (see Figure 2-5 of the RFI report, Volume IV [ARCADIS 2009b]).⁴⁸ The grid versus transect sample comparison performed for reach C2, an area that has also historically contained orchard land, showed that the transect samples had higher arsenic concentrations. The mean surface soil arsenic concentration in reach C3 (Table 5-11) is less than the previously presented mean reach C2 grid sample concentration, but there is no basis for assuming that arsenic concentrations are higher away from the culvert.⁴⁹ This is a source of uncertainty, addressed in Section 6.

5.4.3 Culvert 105 Study Area Utility Worker Scenarios

The scenarios evaluated for the Culvert 105 study area include cancer and noncancer risks for a utility worker. Total CTE and RME excess lifetime cancer risks for utility workers in the Culvert 105 study area are below the acceptable risk range for all conditions evaluated. CTE and RME hazard indices less than 1 for all conditions evaluated indicate an absence of any noncancer health risks. Details are discussed below.

⁴⁸ Although orchard lands are a non-FMC source of arsenic, orchard lands are considered in this HHRA because they are accounted for in the derivation of background for the study areas, and Middleport risks are compared with background risks.

⁴⁹ Although there are no current residences in reach C3, reach C3 data were included in analyses of the Culvert 105 study area residential scenario to take into account potential future land use.

5.4.3.1 Cancer Risks

Cancer risks were estimated for the Culvert 105 study area utility worker using default and site-specific deterministic analysis approaches. Total CTE and RME cancer risks calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), and post-CMA conditions in Table 5-12. Figure 5-18 includes a graphical comparison of the RME risk results for each of the analyses.

As shown in Table 5-12, all cancer risks are well below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . The maximum cancer risk of 3×10^{-7} , an RME result calculated for pre-ICM conditions using the default deterministic approach, is less than the lower end of the acceptable risk range by a factor of 3.

5.4.3.2 Noncancer Risks

Noncancer risks were estimated for the Culvert 105 study area utility worker using default and site-specific deterministic analysis approaches. CTE and RME hazard indices calculated using each of the approaches are tabulated for pre-ICM, current (post-ICM), and post-CMA conditions in Table 5-13. Figure 5-19 includes a graphical comparison of the RME risk results for each of the analyses.

As shown in Table 5-13, all hazard indices are well below 1, indicating that, regardless of analysis approach, none of the predicted exposures under any of the conditions evaluated are expected to pose risk of noncancer health effects. The maximum hazard index of 0.05, an RME result calculated for pre-ICM conditions using the default deterministic approach, is less than the acceptable value of 1 by a factor of 20.

5.4.4 Wooded Parcel Utility Worker Scenarios

Although the Wooded Parcel is located within the air deposition study area, the Wooded Parcel was also evaluated separately to assess whether the commercial/industrial property could be considered for no further action. The exposure scenarios evaluated for the Wooded Parcel include cancer and noncancer risks for a utility worker who might contact unremediated subsurface soil below the existing soil cap to access either existing utility lines or the portion of Culvert 105 that crosses the property. Total CTE and RME excess lifetime cancer risks for utility workers in the Wooded Parcel are below the acceptable risk range for all conditions evaluated. CTE and RME noncancer risks are well below the hazard index of 1 for all conditions evaluated. Thus, this analysis indicates that, based on foreseeable future land uses, no further action is warranted for this property. Details are discussed below.

5.4.4.1 Cancer Risks

Cancer risks were estimated for the Wooded Parcel utility worker using default and site-specific deterministic analysis approaches. Total CTE and RME cancer risks calculated using each of the approaches are tabulated for current (post-ICM) conditions in Table 5-14.

As shown in Table 5-14, all cancer risks are well below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . The maximum cancer risk of 1×10^{-7} , an RME result calculated using the default deterministic approach, is less than the lower end of the acceptable risk range by a factor of 10.

5.4.4.2 Noncancer Risks

Noncancer risks were estimated for the Wooded Parcel utility worker using default and site-specific deterministic analysis approaches. CTE and RME hazard indices calculated using each of the approaches are tabulated for current (post-ICM) conditions in Table 5-14.

As shown in Table 5-14, all hazard indices are well below 1, indicating that, regardless of analysis approach, all of the predicted exposures under all of the conditions evaluated are considered to be acceptable for noncancer health effects. The maximum hazard index of 0.02, an RME result calculated using the default deterministic approach, is less than the acceptable value of 1 by a factor of 50.

5.4.5 Roy-Hart Schoolchild Scenario

Although the Roy-Hart school property is located within the air deposition study area, the schoolyard was also evaluated separately to assess whether the property could be considered for no further action. The school property has been investigated periodically since the mid 1980s. An early exposure study at the elementary and high schools showed no evidence of arsenic exposures (NYSDOH 1987). Since then, a risk assessment was conducted by USEPA, and cleanup of the football field and surrounding areas has been completed. In an October 14, 2005, letter to David J. Seeger, USEPA, NYSDOH, and NYSDEC state:

...the Royalton-Hartland school yard has been the subject of several investigations from the mid-1980s to the present. Based on the results of these investigations, the Agencies required that FMC remove soil from approximately 8.5 acres of the school yard and athletic fields. Upon completion of this removal project, post-remedial confirmatory sampling was done and the excavated areas were backfilled with clean fill. The results of this sampling and a post-remedial risk assessment indicated that "the entire school yard is suitable for both athletic and non-athletic uses by all schoolchildren in terms of their exposure to known school yard soil arsenic levels." (NYSDEC et al. 2000).

Before the schoolyard cleanup, TechLaw, on behalf of USEPA, conducted an HHRA of the Royalton-Hartland school yard (TechLaw 1998). As is explicitly stated in the report, “in the absence of site-specific data, numerous conservative exposure assumptions have been used in the risk assessment” (p. 20). Using these conservative assumptions, reasonable maximum cancer risks exceeded the 1×10^{-4} risk level for student-athletes using the football field. As stated in the risk assessment report, “all other cancer risk estimates are between EPA’s acceptable risk range of 1×10^{-4} to 1×10^{-6} ” (p. 22). The authors acknowledge that these risk estimates are based on conservative exposure assumptions, and comments submitted to the Agencies by FMC asserted that more appropriate assumptions for exposure parameters would result in risk estimates as much as 100-fold lower than those estimated by USEPA (Exponent 1998), resulting in no estimated risks greater than the EPA acceptable risk range.

After the schoolyard risk assessment was conducted, portions of the schoolyard were remediated, with soil removed and replaced. In the summer of 1996, as an interim remedial measure, FMC removed and replaced the top 2 ft of soil from the area behind the south bleacher along the football field (a total of 2,200 cubic yards of soil). In August 1998, USEPA and NYSDEC requested that FMC remove the football field soil as an ICM. Between June and August 1999, FMC removed soil that contained arsenic above 30 ppm from the football field and replaced it with backfill containing soil with arsenic concentrations less than 3.5 ppm. In a letter to the school district dated August 31, 2005, USEPA, NYSDOH, and NYSDEC reported:

...after completion of the 1999 ICM in the area of the football and soccer fields, the Agencies recalculated these risks using the same methodologies, exposure scenarios and other assumptions as were used in the 1998 USEPA Baseline Human Health Risk Assessment, except using only the arsenic data from the un-remediated areas of the schoolyard (Post-ICM). The results of this Post-ICM re-assessment indicate that for student athletes and non-athletes, the estimated cancer risk is within EPA’s acceptable risk range, and their estimated toxic risk is below EPA’s threshold criteria, with regard to exposure to the arsenic levels in surface soils on the un-remediated areas of the schoolyard. (USEPA et al. 2003)

The exposure scenario evaluated for the Roy-Hart school property in the present HHRA includes a comparison of deterministically calculated cancer risks for a child attending school on the Roy-Hart school property under post-remediation conditions associated with each CMA. This exposure scenario focused on exposures only during middle school and high school years. The calculations completed for all CMAs incorporate equivalent exposure assumptions so that the results of the calculations are comparable.

Based on the above exercise, the total excess lifetime cancer risk results for the Roy-Hart schoolchild for all CMAs (as shown on Table 5-15), including those that do not include further remediation at the school, are within EPA’s acceptable risk range. The cancer risks under

CMAs that do not include additional remediation at the school were only slightly higher than those under CMAs that do include additional remediation at the school. Compared to the RME site-specific risk for CMAs 1, 3, 4, 5 6A, and 7A, the additional remediation at the school decreased risks by 0.6E-07 for CMA 6A, 0.8E-07 for CMAs 7B and 8, and 1.0E-07 for CMA 2. Based on the findings of this assessment that the human health risks to school age children at the school property are generally similar under all of the CMAs, and would not significantly decrease, it is FMC's conclusion that further remediation of the school property is not supported on the grounds of reduction of risk to human health.

5.5 RISK-BASED CONCENTRATIONS FOR FMC'S RISK-BASED ALTERNATIVE

As discussed in Section 1.3.1.1, in preparation for identifying a risk-based CMA, target RBCs were calculated to establish the soil arsenic concentration limits that correspond with the acceptable cancer risk range of 1×10^{-6} to 1×10^{-4} . To determine the soil RBCs, arsenic concentrations were back-calculated using the general intake equations presented in Section 3.1, risk equations presented previously in this section, and various input risk values. The scenario evaluated for this exercise includes cancer risks to the adult plus child resident, and the approach used includes deterministic analyses that incorporate site-specific exposure assumptions based on studies conducted in Middleport. Therefore, the relevant equations used for the analyses include Equation 1 (soil and dust ingestion for residential scenarios), Equation 5 (adult plus child combination factor), and Equation 9 (excess lifetime cancer risk). Relevant exposure factor values for residential scenario deterministic analyses are shown in Table 3-1. The cancer risk values input into the back-calculation that correspond with the limits of the acceptable risk range include 1×10^{-6} and 1×10^{-4} . A risk of 1×10^{-5} , corresponding to the middle of the acceptable risk range, was also included in the analyses.

Three CTE and three RME soil RBCs were derived for subsequent risk-based analyses, including one each calculated for the low end, middle, and high end of the acceptable risk range, by employing site-specific CTE and RME exposure factor assumptions. A soil arsenic concentration of 20 mg/kg, considered by the Agencies to be the upper end of a "reasonable representation of background," was also taken into account. The cancer risk values and corresponding RBCs are shown in Table 5-16.

Cancer risks for current conditions in the CMS areas were then evaluated by comparing current (post-ICM) soil arsenic concentrations with the soil RBCs derived above and with the background concentration of 20 mg/kg requested by the Agencies.⁵⁰ Current soil arsenic

⁵⁰ Background arsenic levels on any one individual property will likely fall within the range of background concentrations identified for the community; some properties will have average arsenic concentrations at either the lower or upper end of the background range. For purposes of the analysis presented here, the focus is on a property

concentrations used in the evaluation include property-specific mean arsenic concentrations for both surface soil samples and all sample depths, as shown in Appendix H, Table H-2 of the CMS report. Property-specific mean concentrations were selected for use in the comparison because it was of interest to know how properties fell in comparison with the acceptable risk range, and because residents are expected to move around within their own properties and, as a result, be exposed to property-wide average concentrations. Tables 5-17 and 5-18 show the results for the comparison of current conditions with the RBCs corresponding to various risk ranges for RBCs derived using CTE and RME exposure factor assumptions, respectively. These tables report the total numbers of properties with mean surface soil sample and mean overall soil sample arsenic concentrations falling within each of the RBC ranges corresponding to the defined risk ranges.

The mean surface and overall soil concentrations⁵¹ for all properties (based on current conditions) fall within or below EPA's acceptable risk range of 1×10^{-6} and 1×10^{-4} . For the RBCs based on CTE assumptions, all of the properties fall below 1×10^{-5} risk (and the Roy-Hart school property falls below 1×10^{-6}). For the RBCs based on RME assumptions, 10 or 13 properties fall between 1×10^{-5} and 1×10^{-4} risk based on overall sample concentrations or surface sample concentrations, respectively (and the Roy-Hart school property falls below 1×10^{-5}). This analysis has not been fully developed into a CMA, but provides a tool for assessing the CMAs that are fully developed in the CMS.

5.6 MEASURES AND SOURCES OF ARSENIC EXPOSURES

Arsenic is naturally present in most foods and in drinking water, and is widely distributed in the environment from many natural and anthropogenic sources. Studies of background exposures to arsenic in the U.S. have found that exposures are dominated by intakes from drinking water and diet and that intakes via incidental ingestion of soil and inhalation of air contribute a negligible amount to total exposure. In most communities, arsenic from soil accounts for less than 1 percent of inorganic arsenic exposure in U.S. adults (Meacher et al. 2002; Boyce et al. 2008).

Because absorbed arsenic is rapidly excreted in the urine, arsenic exposure can be assessed by measuring arsenic concentrations in urine. Urine arsenic analyses should measure speciated arsenic, which includes inorganic arsenic, monomethylarsenic and dimethylarsenic, to distinguish inorganic arsenic intakes from organic arsenicals found in high concentrations in most seafood. Community-wide biomonitoring studies that include measures of arsenic concentrations in soil, dust, and drinking water can help assess whether elevated soil arsenic

that has an average background concentration at the upper end of the background range, at 20 mg/kg, equivalent to the Agencies' determination of representative background.

⁵¹ Overall soil concentrations include samples collected from all depths, as provided in Appendix H, Table H-2.

concentrations are increasing arsenic intakes above those typical in unaffected communities. If soil arsenic is not increasing exposures, it is logical to conclude that removal of the arsenic-containing soils will not appreciably reduce arsenic exposures. The sections below provide a summary of the findings of the Middleport biomonitoring study and describe typical U.S. arsenic intakes from diet and drinking water.

5.6.1 FMC-Sponsored Middleport Biomonitoring Study

A comprehensive arsenic exposure and biomonitoring study was sponsored by FMC and conducted by Exponent with oversight of an independent scientific review panel during 2003 in Middleport. This study demonstrated that arsenic in Middleport soil is not contributing any measurable arsenic exposure for residents. An independent panel of scientific experts from health institutes, universities, and the Centers for Disease Control and Prevention (CDC) provided oversight for this study, and the findings were peer reviewed and published in the scientific literature (Tsuji et al. 2005). The study focused on young children whose exposure to soil is expected to be highest and was conducted during the summer months when outdoor activities involving soil contact occur most frequently. Arsenic was also measured in yard soil, house dust, and garden produce for participating residents.

Key findings of the biomonitoring study included the following:

- Speciated and inorganic urinary arsenic levels (i.e., the forms relevant to assessing exposures to arsenic in soil) in Middleport residents were low.
- Urinary arsenic levels were generally not correlated with soil or house dust.
- House dust concentrations were not correlated with soil concentrations.

There were no significant relationships between urinary arsenic and arsenic in soil. The only significant relationship between urinary arsenic and environmental media occurred between levels of speciated arsenic in creatinine-adjusted urine samples and house dust in young children. However, there was no significant relationship found between house dust concentrations and soil concentrations.

5.6.1.1 Study Methods

Middleport residents were recruited to participate in the study via informational mailers, community meetings, and door-to-door canvassing. As part of the recruitment process, researchers conducted a door-to-door census of Middleport. All dwellings were visited at least once, with special care taken to visit homes with evidence of small children (based on presence of toys in the yard, conversations with neighbors, etc.). Although this study focused on young children, anyone within the study area could participate.

Two questionnaires, a background questionnaire and an exposure questionnaire, were administered to all participants (or to their guardians in the case of young children). Participants were asked to collect two first-morning-void urine samples on consecutive days. Urine collection occurred between August 1 and September 13, 2003.

Soil samples were collected between November 2003 and January 2004 from the yards, children's play areas, and vegetable gardens of a subset of participating households. For residents who granted permission, researchers collected house dust samples, which consisted of a composite sample comprising at least three sampling locations of 625 cm² each. Upon request of participants, homegrown produce was sampled and analyzed during August and September 2003. Additional produce purchased from local farm stands and stores was also analyzed.

To determine if arsenic in soil and/or house dust was related to speciated and inorganic arsenic in urine, statistical analyses, including correlation, regression, and graphing, were conducted for children less than 7 years old. Analyses were also conducted looking at indirect exposure indicators as provided in questionnaire responses. Additional, secondary analyses were conducted for children less than 13 years old and for the whole study population.

5.6.1.2 Summary of Results

The target population for this study was children less than 7 years of age, with older children and adults allowed to participate if interested. The estimated population size of Middleport was 1,930, with 164 children less than 7 years old. Of these, 77 young children provided urine samples. An additional 261 adults and 101 children between the ages of 7 and 18 participated in the study and provided urine samples.

The geometric mean total arsenic concentrations were 22.7 µg/L for all participants and 17.4 µg/L for young children. Average speciated arsenic levels (the sum of inorganic arsenic, MMA, and DMA) were 3.9 µg/L for all participants and 4.0 µg/L for young children. Urinary inorganic arsenic levels ranged from 0.31 to 2.7 µg/L for all participants and from 0.31 to 2.1 µg/L for young children.

Soil sampling occurred at 85 out of the 167 participating households (51 percent). A total of 84 yard, 23 garden, and 28 play area samples were included in the analysis for this study. Arsenic concentrations in yard samples ranged from 5.2 to 340 mg/kg with an average of 28 mg/kg. The average for garden samples was 19 mg/kg, and children's play area samples had a mean of 22 mg/kg.

Although arsenic loading⁵² was measured in all 111 house dust samples, arsenic concentration analysis occurred for only 96 of the samples. Average dust concentrations were 20 mg/kg for all

⁵² Arsenic loading is a measure of the amount of arsenic (mass) on a surface per unit of area (in units of µg As/100 cm²).

households and 22 mg/kg for households with children under 7 years of age. Average loading was lower for households with young children when compared to all participants, with a value of 0.14 $\mu\text{g As}/100\text{ cm}^2$ versus 0.20 $\mu\text{g As}/100\text{ cm}^2$.

A variety of homegrown produce was collected from 29 households. The most commonly collected vegetable was tomatoes, all of which had very low arsenic concentrations. All other vegetables had very small sample sizes.

Arsenic levels in soil (maximum or average) were not correlated with either speciated or inorganic arsenic in urine or creatinine-adjusted speciated arsenic in children less than 7 years old. Creatinine-adjusted speciated arsenic levels in urine were significantly correlated with house dust levels ($r=0.30$; $p=0.03$),⁵³ but arsenic levels in house dust were not found to be correlated to arsenic levels in soil ($p=0.12$ to 0.96). Both age ($r=0.33$; $p=0.003$) and body weight ($r=0.25$; $p=0.029$) had significant correlations with speciated arsenic levels. Both were correlated positively with speciated urinary levels, but negatively with creatinine-adjusted levels.

Of the indirect exposure measures, only two showed a significant relationship with urinary arsenic levels. The first applied to children who reported having spent time in a local orchard or produce farm in the last 7 days⁵⁴ (t -test; $p=0.002$). The second significant relationship was for children who visited a home or building under renovation that was generating dust⁵⁵ (t -test; $p=0.027$).

For children less than 13 years old, neither speciated nor inorganic urinary arsenic was found to be significantly correlated to soil or house dust. Similarly, creatinine-adjusted speciated urinary arsenic had no significant relationship with any direct measure of environmental arsenic levels. Age was found to be significantly associated with speciated urinary arsenic ($r=0.29$; $p=0.001$). As with the younger children, there was a significant correlation between speciated urinary arsenic and time spent in an orchard⁵⁶ (t -test; $p=0.009$). Children in this age group were also found to have significantly higher inorganic arsenic levels if they lived at a residence where there was a project involving digging in soil (t -test; $p=0.028$).

For the total study population, no statistically significant relationships were found between speciated or inorganic arsenic and either soil or dust. However, with the larger sample size obtained by including the entire study population, smaller differences among groups of study participants were easier to detect. As such, small but significant differences were noted

⁵³ The first value, r , is a measure of the correlation between two parameters. A positive number indicates that the two parameters are positively correlated (i.e., as one increases, the other also increases). A negative value indicates that these values are negatively correlated (i.e., as one increases, the other decreases). Values closest to 1.0 (or -1.0) indicate the highest amount of correlation. The second value, p , is a measure of the significance of the correlation. Values less than 0.05 indicate that correlations have a less than 5 percent likelihood of occurring by chance alone.

⁵⁴ This category applied to three children.

⁵⁵ This category applied to six children.

⁵⁶ This category applied to three children.

between residents eating homegrown produce and those who did not (negative correlation between speciated urinary arsenic and ingestion of homegrown produce: $r=-0.097$; $p=0.043$). Age was also correlated with speciated arsenic levels ($r=-0.16$; $p<0.001$). Males had higher inorganic arsenic levels than females (t -test; $p=0.029$) and higher speciated levels (t -test; $p=0.027$). Families who reported large projects involving digging had higher inorganic levels than those who did not (t -test; $p=0.043$). Participants who reported smoking or living with someone who smoked had lower speciated arsenic levels in their urine than those who did not (t -test; $p=0.036$).

5.6.1.3 Reference Levels

According to the CDC, normal total arsenic levels in urine are less than 50 $\mu\text{g/L}$ (CDC 2006a). Typical levels of inorganic arsenic metabolites (inorganic arsenic, MMA, and DMA) range from 5 to 20 $\mu\text{g/L}$ (IPCS 2001).

The CDC has used a reference level for total arsenic in urine of 50 $\mu\text{g/L}$ (CDC 2006a). The Middleport biomonitoring study used reference levels for speciated and inorganic arsenic in urine of 40 and 20 $\mu\text{g/L}$, respectively. Reference levels were selected on the basis of health guidance (e.g., CDC) and levels used by other biomonitoring studies investigating arsenic-exposed populations. For both speciated and inorganic arsenic, the lowest level from previous biomonitoring studies was selected (see Exponent 2004 for details). A CDC (2006b) health consultation for Hebbronville, Texas, a community with elevated levels of arsenic in its drinking water, used a reference level for inorganic arsenic in urine of 10 $\mu\text{g/L}$, or 10 $\mu\text{g/g}$ creatinine. For occupational exposures, the American Conference of Governmental Industrial Hygienists has a standard (biological exposure indicator) for inorganic plus methylated metabolites of 35 $\mu\text{g/L}$ at the end of a work week.

All urinary arsenic levels for Middleport were far below these reference levels for inorganic and speciated arsenic. The range in speciated arsenic concentrations was from 0.89 to 20 $\mu\text{g/L}$, with the highest concentration approximately one-half of the reference level of 40 $\mu\text{g/L}$. The maximum inorganic arsenic level found in Middleport, 2.7 $\mu\text{g/L}$, was approximately one-quarter of the lowest reference level of 10 $\mu\text{g/L}$.

5.6.1.4 Relationship between Urinary Arsenic and Arsenic in Soil

There were no significant relationships between urinary arsenic and arsenic in soil. The only significant relationship between urinary arsenic and environmental media occurred between levels of speciated arsenic in creatinine-adjusted urine samples from young children and house dust. However, there was no significant relationship found between house dust concentrations and soil concentrations. In addition, past biomonitoring studies of arsenic conducted in young children did not see an improvement in correlations between urinary arsenic and house dust or soil after making creatinine correction (Hwang et al. 1997; UCDEH 1997). Thus, this study

demonstrates that arsenic in Middleport soil is not leading to increased exposures among residents.

5.6.1.5 Detection of Exposures from Soil

The Middleport study was designed to detect exposures from soil. The study focused on children less than 7 years old because young children have the greatest potential to ingest soil. In addition, all urine collection was conducted during the summer, when exposures to soil are expected to be highest. Even though the target population and the study period were selected to correspond to the highest levels of exposure, there were no significant correlations between urinary arsenic and arsenic levels in soil.

In addition, the cross-sectional design used in this study is more sensitive in detecting the effects of soil arsenic on a community. Instead of comparing Middleport residents' urinary arsenic levels to those in a control community, comparisons were made within the community by analyzing exposures based on the varying arsenic levels in soil. This method is more sensitive to differences and also reduces the potential for confounding effects that can be introduced when comparing two different communities. In addition, studies involving control populations often have lower participation by members of the control group.

5.6.1.6 Validation of Study Design

The biomonitoring study design used in the Middleport investigation is a validated method. The study design has been validated in past peer-reviewed and governmental studies of arsenic exposure in communities (e.g., Pollisar et al. 1987; Hwang et al. 1997; UCDEH 1997), and, as noted above, oversight for this study was provided by an independent panel of scientific experts from health institutes, universities, and the CDC.

During the 1980s, a similar study design was shown to be effective in identifying and quantifying elevated arsenic exposures in a community near an active smelter in Ruston/North Tacoma, Washington (Pollisar et al. 1987). Urine samples were collected from residents living within 2 miles of the smelter. Concentrations of arsenic in urine were found to decrease as the distance from the smelter increased. During the Pollisar et al. study, the smelter in Ruston/North Tacoma stopped operating permanently. In the year following the shutdown, the Tacoma-Pierce County Health Department conducted a second biomonitoring study in the North Tacoma area (TPCHD 1988) and found that urinary arsenic levels near the smelter had dropped significantly. This finding suggests that at this site, airborne arsenic and freshly deposited arsenic in dust, rather than soil, were the primary routes of exposure.

The Ruston/North Tacoma study also included urinary arsenic data for a control population in an unaffected community (Bellingham, Washington) where speciated urinary arsenic

concentrations averaged 13 µg/L. It is noteworthy that these control values are higher than the average speciated urinary concentration of 4.0 µg/L in Middleport.

The sensitivity of this biomonitoring approach was also confirmed by a biomonitoring study in Anaconda, Montana, the site of a former smelter with relatively high concentrations of arsenic in the soil (with a community-wide average of approximately 180 mg/kg). This study showed a significant but weak correlation ($r=0.12$ to 0.25) between speciated urinary arsenic in children aged 24 to 72 months and arsenic in yard soil for concentrations ranging from about 50 mg/kg to almost 400 mg/kg (Hwang et al. 1997). The highest correlation between soil exposure and urinary arsenic levels occurred in areas with bare soil.

Another study in Bingham Creek, Utah, a community with soils affected by runoff from copper mining activities, showed no significant correlation with urinary arsenic measured in 696 children (UCDEH 1997). The lower soil concentrations in Bingham Creek (geometric mean arsenic concentration of 27 mg/kg) were much more similar to Middleport than those found in Anaconda. Thus, the Bingham Creek Channel study confirms that the effect of exposure to soil at low arsenic concentrations is minimal compared with the natural variation in inorganic urinary arsenic levels, for which the primary sources are diet and water.

The Middleport biomonitoring study was designed to maximize the chance of detecting any increased arsenic exposures associated with Middleport soil. Despite this design, no such association was detected, and urinary arsenic concentrations were found to be below reference levels and comparable to those of other populations without significant sources of exposure. This finding is consistent with other community arsenic biomonitoring studies (e.g., Gebel et al. 1998b).

5.6.2 Arsenic Intake from Diet and Other Sources

Studies published during the past decade provide substantial information on background U.S. inorganic arsenic intakes in diet and drinking water. The benchmark study of U.S. diet intake of inorganic arsenic was conducted by Schoof et al. (1999a,b), who reported an average daily inorganic arsenic intake of 3.2 µg/d, with a range from 1 to 20 µg/d. Other studies of North American and European populations include Yost et al. (2004), who used the same food data set from Schoof et al. (1999a,b) to estimate an average dietary inorganic arsenic intake in U.S. children of 3.2 µg/d (range 1.6 to 6.2 µg/d), and Baeyens et al. (2009), who reported an average dietary inorganic arsenic intake for Belgian consumers of 5.8 µg/d. The most recent U.S. study, published in March 2010, provides a probabilistic model of dietary arsenic exposure in the U.S. using 2003-2004 NHANES data (Xue et al. 2010). This study, conducted by EPA scientists, estimated that the mean intake of inorganic arsenic from food in the U.S. is 1.96 µg/d. Several studies have also combined the diet data from Schoof et al. (1999a,b) with U.S. data for arsenic in drinking water, air, and soil to produce distributions of inorganic arsenic intake from diet plus these other sources (Meacher et al. 2002; Boyce et al. 2008).

Table 5-19 summarizes the mean and range of daily inorganic arsenic intake from these studies converted from $\mu\text{g}/\text{d}$ to mg/kg (body weight)-day to facilitate comparison to intake estimates from this risk assessment. For adults, the mean dietary intake reported by both Schoof et al. (1999a,b) and Xue et al. (2010) was about $5 \times 10^{-5} \text{ mg}/\text{kg}\text{-day}$. Xue et al. (2010) also reported a 95th percentile value of $1.9 \times 10^{-4} \text{ mg}/\text{kg}\text{-day}$. Mean and 95th percentile intakes were estimated by Yost et al. (2004) to be slightly higher than intake for adults, 2.1 and $4.1 \times 10^{-4} \text{ mg}/\text{kg}\text{-day}$, respectively.

For intake from diet, water, air, and soil, mean values estimated by Meacher et al. (2002) and Boyce et al. (2008) were 7.4 to $9 \times 10^{-5} \text{ mg}/\text{kg}\text{-day}$, and 95th percentile values 1.9 to $2.3 \times 10^{-4} \text{ mg}/\text{kg}\text{-day}$. These values can be compared with the arsenic intakes from soil and dust calculated in this risk assessment. CTE soil and dust intakes calculated in this HHRA are lower by a factor of at least 50 than the mean diet, water, air, and soil arsenic intakes reported for typical U.S. residents. RME intakes calculated in this HHRA are lower by a factor of at least 20 than the 95th percentile intakes reported for typical U.S. residents. These results are consistent with the findings of Meacher et al. (2002) and Boyce et al. (2008) that intakes from soil contribute negligibly to total inorganic arsenic intakes, and explain why the Middleport biomonitoring study did not detect any increase in inorganic arsenic exposure associated with soil. These analyses also demonstrate that soil remediation in Middleport will have no material impact on residents' exposure to arsenic.

6 FMC'S UNCERTAINTY ANALYSIS

Risk assessments predict the likelihood of health effects in a population, but do not directly measure the occurrence of health effects. The predicted risks are based on many assumptions about the ways in which people come into contact with chemicals in the environment. Although many of these assumptions are based on general scientific studies or site-specific data, uncertainty remains regarding how well the available data reflect the ways residents are actually exposed to chemicals. The degree of confidence in the results of a risk assessment depends on how closely the data and assumptions used match actual conditions.

It is important that uncertainty be evaluated in the context of the intended scope of the risk assessment. The goals of this HHRA were to evaluate potential human health risks in the community due to inorganic arsenic in soil given current conditions and conditions associated with various remedial alternatives being examined in the CMS. The evaluation of health risks focused on quantifying the reduction in risks associated with each remedial alternative. As discussed further below, the general approach used to support selection of remedial alternatives is a community-wide risk assessment. This section presents the evaluation by FMC and its consultants of uncertainties.

Uncertainty is introduced during various steps in the development of a risk assessment, and the nature of the uncertainty may be different for each of these steps. The steps evaluated in this uncertainty analysis include:

- Problem formulation and CSM development
- Toxicity assessment
- Data selection
- Exposure parameter selection
- Exposure assessment approach.

For each step of the risk assessment process, sources of variability and uncertainty were evaluated qualitatively to identify assumptions that introduce uncertainty into the process. Each factor was evaluated in terms of whether it would tend to over- or underestimate risks and the relative magnitude of the uncertainty associated with that factor. This qualitative evaluation of uncertainty is discussed in the subsections below, and selected sources of uncertainty are summarized in Table 6-1. A sensitivity analysis was also conducted to quantitatively assess uncertainty and variability for selected critical assumptions.

6.1 FMC'S PROBLEM FORMULATION

The problem formulation step of this risk assessment yielded a CSM, which identifies exposure scenarios and potentially complete exposure pathways. Data quality and adequacy were evaluated and contaminant-screening procedures confirmed that arsenic was the only COC for which exposures were quantified in this HHRA. Decisions were then made regarding which scenarios and pathways to quantify.

This risk assessment focuses on residential exposures to arsenic in surface soil. Sufficient data were available to determine with confidence that no other chemical constituents need to be quantified (i.e., any risks associated with exposures to other potentially site-related chemicals are *de minimis* compared with potential arsenic exposures).

Focusing on residential exposures to arsenic in surface soil (and indoor dust containing tracked-in soil) throughout the study areas is expected to be protective because worker or recreational exposures to surface soil are likely to be less frequent than those of residents. Although this approach would overestimate worker or recreational exposures for commercial/industrial properties or parkland, the uncertainty associated with those areas can be addressed on a property-specific basis after the preferred CMA is selected. Along Culvert 105, some subsurface soils have historically been found to contain elevated arsenic concentrations in areas that might be infrequently contacted by utility workers. These subsurface soils were evaluated in a utility worker scenario. Other subsurface soils were found to generally have arsenic concentrations lower than those of surface soils (see Sections 5.4.1.3 and 5.4.2.3). Consequently, potential contact by a resident with subsurface soils that might be dug up was judged unlikely to result in higher exposures than those assessed by evaluating surface soil alone.

Only two exposure pathways were quantified in this HHRA, oral and dermal contact with soil and dust. Pathway screening determined that inhalation of resuspended dust posed a *de minimis* risk, a conclusion associated with very low uncertainty. Exposure to arsenic taken up from soil into homegrown produce was also not quantified. Virtually all foods contain low concentrations of inorganic arsenic (Schoof 1999a, b), and the diet is the primary source of exposure to inorganic arsenic for people who have minimal arsenic in their drinking water. Nevertheless, the Middleport biomonitoring study determined that consumption of homegrown produce was not associated with increased arsenic exposures. The produce samples collected during the biomonitoring study also did not yield data to reliably estimate arsenic concentrations. Consequently, this pathway was not quantified in this HHRA. Section 5.6.2 includes a discussion of background dietary arsenic exposures. Uncertainties related to exclusions of these two exposure pathways are summarized in Table 6-1.

6.2 FMC'S TOXICITY ASSESSMENT

The toxicity assessment provides an overview of toxicity values selected for estimating the risk of adverse health effects from chemical exposures, and summarizes toxicity information and dose response assessment methods used to derive the toxicity values. Toxicity values for carcinogenic and noncarcinogenic health effects of inorganic arsenic used in this risk assessment were derived from ecological epidemiology studies of populations in southwestern Taiwan with markedly elevated arsenic concentrations in their drinking water.

While the use of studies of human populations eliminates the uncertainty of trying to extrapolate from animal toxicity data to predict adverse effects in humans, many other sources of uncertainty remain in relying on and interpreting the reported study data and in extrapolating from high dose exposures to low doses such as those that might be experienced in Middleport. For the Taiwanese studies, the following factors all require decisions that contribute to uncertainty: selection of critical toxicity endpoint, selection of a dose response model, decision to include or omit a reference population, determination of exposure concentrations to represent different exposure groups (i.e., exposure classification), selection of representative Taiwanese and U.S. water consumption rates and body weights, quantification of arsenic intake from diet and other non-drinking water sources, development of the U.S. population risk model, and determination of U.S. incidence/mortality data.

As noted in Section 4, both the oral CSF and the chronic oral RfD are being re-evaluated by EPA. Uncertainties about many of the factors listed above have been the subject of vigorous debate. Critical factors for the derivation of the oral CSF are described below, and a summary is included in Table 6-1 that applies to both the current CSF and the recently proposed CSF.

Critical endpoint: As described in Section 4.2, EPA's oral slope factor of $1.5 \text{ (mg/kg-day)}^{-1}$ first established in 1988 and verified in 1994 (USEPA 2010b) is based on skin cancer as the critical endpoint. Since that time dozens of new epidemiology and research studies examining arsenic carcinogenicity have been published, and oral arsenic exposures are now more clearly linked to increased incidence of internal cancers, including bladder, kidney, liver and lung cancers, and there is now general agreement that the internal cancers may be more appropriate critical endpoints. Reliance on the skin cancer endpoint in this HHRA does not necessarily underestimate or overestimate risk. Altering the critical endpoint could either increase or decrease the CSF, depending on the available study data.

Dose response model: The selection of dose response model is perhaps the most important source of uncertainty in the arsenic dose response assessment. The most critical element for extrapolation from high dose exposures to low dose exposures is deciding whether or not to use linear extrapolation of incremental cancer risk from effects observed at high doses to those expected at lower doses. There are a number of reasons why low doses might not cause proportional increases in cancer risk as higher doses. Examples of protective processes that

might be more effective at low doses than high doses include the capacity for DNA that is damaged to be repaired, or metabolic and excretion pathways to detoxify arsenic that may become saturated at high doses. Lower risk at lower doses results in a nonlinear dose response.

As described in Section 4.2, overall, the body of evidence supports a non-linear dose response relationship for arsenic. Therefore, extrapolation of response at lower arsenic exposures from known toxicity at higher doses, as was done by EPA, is likely to over-predict the true risk of adverse health effects at lower doses.

Reference population: In 1988, EPA included a reference population of Taiwanese nearby but outside the arseniasis-endemic area, while the proposed CSF includes a population from southwestern Taiwan. Differences in baseline cancer rates in study areas vs. a reference population can have a large impact on dose-response modeling. The southwestern Taiwan reference population is much more urban than the population in the endemic area, and has been reported to have much lower rates of some cancers such as bladder cancer compared with people living in the endemic area who have low arsenic exposures. This phenomenon implies that another factor besides arsenic is contributing to the observed cancer rate in the endemic area, and if true, could result in significant overestimation of risk when an unmatched reference population is used.

Exposure classification: As described in Section 4.2, reliance on ecological studies that lack measures of individual arsenic exposures from drinking water has inherent limitations because groups of people with a range of exposures are lumped together in different exposure strata. Data on concentrations of arsenic in drinking wells in the Taiwanese villages is not comprehensive because many villages included multiple wells that in some cases varied greatly in arsenic concentration and not all wells present in each of the villages were sampled. Concentrations also may have changed over time. The current CSF is based on very crude exposure classifications with only three exposure categories. For the proposed CSF, each village is assigned the median arsenic concentration and it was assumed that all persons were exposed to that single selected concentration. In fact, some of the population will have been exposed to lower concentrations, and it is possible that most of the observed cancers could have been associated with substantially higher concentrations. Several analyses have demonstrated that lack of precise exposure data has led to overestimation of the responses associated with a given exposure to arsenic (Brown 2007; Brown and Chen 1995).

In addition to uncertainties associated with drinking water sources, factors such as health and nutritional status may affect the human response to arsenic. For example, results from several studies reviewed by NRC (2001) suggest that diets low in certain nutrients may exacerbate arsenic toxicity. Uncertainties in the overall impact of nutritional status on toxicity, therefore, add to uncertainties in extrapolating risks across populations.

Water consumption and non-water arsenic intake: Since there were no direct measures of arsenic exposure in the Taiwanese study population, EPA assumed that Taiwanese men drank 3.5 L of water/day and that women drank 2 L/day, while U.S. adults are assumed to drink 2 L/day. The proposed assessment assumes the same Taiwanese values, but reduces U.S. consumption rates to 1 L/day. Risks will be overestimated if Taiwanese people drank more water than assumed and/or if U.S. residents drink less. Conversely risks will be underestimated if the Taiwanese drank less than assumed and/or if the U.S. drink more than assumed. There is substantial evidence that use of well water during cooking contributes to greater water consumption than assumed by EPA, resulting in overestimation of risks.

EPA also did not account for any intake of arsenic from the diet in deriving the 1988 CSF, while the proposed CSF includes non-water intake of 10 µg/day. Schoof et al. (1998) demonstrated that dietary inorganic arsenic intake in Taiwan was likely 50 µg/day. EPA's underestimation of non-water arsenic intake may have contributed to overestimation of risks.

Taken together, these factors result in a high degree of uncertainty associated with the arsenic cancer dose response assessment. While risks could be either overestimated or underestimated, EPA's selection of models and parameters has likely resulted in substantial overestimates of low dose risk.

6.3 FMC'S DATA SELECTION

Surface soil arsenic data from 1,873 samples were used to assess potential exposures in the air deposition study area and 288 samples were compiled to assess surface soil exposures in the Culvert 105 study area north of the canal. For the air deposition study area, the samples were judged to provide a relatively uniform and complete coverage of the study area, whereas for the Culvert 105 study area north of the canal, the samples were not uniformly distributed over the study area. Section 5.4.2.4 provides a detailed assessment of the use of a combination of transect samples and grid samples for the Culvert 105 study area north of the canal. The assessment indicates that the surface soil data set used for this study area likely overestimates the soil arsenic EPCs expected to be encountered by residents. Some of the uncertainties associated with derivation of distributions from these data sets are discussed in Section 3.3.1.1.

As described in Sections 2.4.1.4 and 3.3.1.1, Gasport soil arsenic concentration data were used to derive background soil arsenic concentration distributions for estimating incremental risks. The Gasport samples were not collected from historical property type/land usage group areas in proportions that are comparable with those of the Middleport study areas, so distributions of arsenic concentrations were generated to represent background by adjusting the Gasport data set for the differences in historical property type/land usage group areas. There have been differences in interpretation of the Gasport background data and of the property type

distributions in Middleport. These differences in interpretation represent a source of uncertainty.

The interpretations and uncertainties associated with the background data have been presented at some length in other documents. The Gasport background study was initially presented in CRA (2003) and again in RFI Volume I, Appendix 6B (ARCADIS and AMEC Geomatrix 2009), where the soil arsenic background concentration statistics were recalculated using new orchard information from aerial photos obtained subsequent to the 2003 report. The property type/land usage weighting factors used in calculating background in both the CRA report and RFI Volume I were representative of a larger area that encompasses the air deposition study area and Culvert 105 study area north of the canal as well as additional land beyond these two study areas. In order to compare site-related data to background per EPA's guidance for baseline HHRA (USEPA 1989), a background concentration distribution analogous to each study area was generated. The revised historical property type/land usage weighting factors, presented in Attachment 2, Exhibit 2-2 and used to recalculate background concentration statistics, were derived in a manner consistent with the methods used in both the Agency-approved CRA report and RFI Volume I.

House dust arsenic EPCs are more uncertain than soil concentrations. While there are site-specific data from Middleport homes, no correlation was found between arsenic concentrations in Middleport house dust and soil. This contrasts with the typical risk assessment assumption that house dust concentrations are affected by soil tracked in from the yard; however, the influence of yard soil on house dust concentrations may only be apparent in communities with soil concentrations much more elevated than those in Middleport. Because site-specific house dust data were available, the uncertainty about the influence of soil arsenic on house dust concentrations is expected to be fairly low. However, the assumption that house dust concentrations are not influenced by soil concentrations may have resulted in underestimation of the exposure reduction associated with some remedial alternatives. In other words, if house dust arsenic concentrations decline following soil remediation activities, the residual risks may be lower than those predicted in this HHRA.

6.4 FMC'S EXPOSURE PARAMETER SELECTION

There are several critical aspects of uncertainty in identifying exposure parameters. One aspect is uncertainty in the knowledge of true values, while another is uncertainty about how to combine the selected values to yield representative exposure estimates. For example, typical body weights of Americans of various ages are well characterized, so reliable data are available on the likely range of body weights of residents. Typically, average body weights are used for each age group evaluated and uncertainty associated with the actual body weights of residents is low. In contrast, as discussed below, soil ingestion estimates are highly uncertain. Only limited data are available to estimate ingestion rates, and understanding of the distribution of

ingestion rates across child and adult populations is also limited, meaning that we are not certain the our CTE values really represent an average case or whether the RME values truly represent a reasonable maximum case.

One advantage of the probabilistic analyses comes from distribution fitting, which allows for use of available data to better characterize the percentiles of a population represented by the selected parameter values. Distribution fitting is also a source of uncertainty, albeit a much smaller source than the frequently rather arbitrary selection of CTE and RME values in deterministic risk assessment. In some cases, data sets fit more than one distribution. For some data sets with smaller sample sizes, the data set may have been better predicted by an alternate distribution that can be applied in a sensitivity analysis to help quantify uncertainty. The impact of distribution selection on the risk estimates for certain parameters is summarized in Table 6-1 and examined further in the sensitivity analysis.

Uncertainties related to the exposure assessment are evaluated qualitatively in Table 6-1 by examining differences in values selected for each analysis method (i.e., default deterministic, site-specific deterministic, and site-specific probabilistic). The following sources of uncertainty, shown in Table 6-1 as anticipated to have greater impacts on the risk analyses, are discussed in more detail below:

- Exposure frequency for soil ingestion
- Soil ingestion rates
- Relative bioavailability.

The exposure frequency of 350 days/year assumed for soil ingestion in the default deterministic analyses is anticipated to overestimate exposures because it does not account for the cold climate in the Middleport area that causes soil to be frozen and snow-covered for much of the winter. The value of 291 days/year used in the site-specific deterministic analyses and the distribution used for the probabilistic analyses are based on National Weather Service (2008) snow cover data collected in Buffalo, New York, as discussed in Section 3.3.2.1. In developing NYSDEC SCOs, NYSDEC and NYSDOH (2006) assumed smaller exposure frequencies of 155 and 62 days/year for children and adults, respectively, based on timing of frosts and assumptions about time spent outside and time spent away from home. Each of the alternate sources of exposure frequency data is based at least in part on the climate in New York State and is expected to be more representative of exposures in Middleport. The snow cover data available from the National Weather Service yielded more conservative (i.e., health protective) values than the default NYSDEC values. Because the data were also reasonably consistent with other available data and sufficient for derivation of a distribution for probabilistic analyses, the National Weather Service data were selected for use in this HHRA even though this selection may continue to modestly overestimate exposure.

Soil and dust ingestion estimates exhibit a high degree of uncertainty. Studies of soil/dust ingestion rates are technically challenging and often demonstrate both high variability and high uncertainty, as discussed in Section 3.4.1. The child soil/dust ingestion rates of 100 and 200 mg/day for the CTE and RME cases, respectively, used in the default deterministic analyses are expected to cause substantial overestimation of exposure. The rates of 45 and 124 mg/day for the CTE and RME cases, respectively, used in the site-specific deterministic analyses and the distribution used in the probabilistic analyses are expected to more accurately reflect soil/dust ingestion rates based on current literature. Limitations in the literature for adult soil/dust ingestion studies necessitated making assumptions so that the uncertainty associated with these rates remains high even for the site-specific deterministic and probabilistic analyses. However, the assumption that adult soil ingestion rates are lower than children's is consistent with the available data on hand-to-mouth activity and other factors.

Soil arsenic exhibits reduced oral bioavailability compared with the bioavailability of arsenic dissolved in water. Because the CSF is based on exposure to arsenic in drinking water, use of an RBA value of 1 in the default deterministic analyses contributes to overestimation of exposures. The RBA value of 0.22 used in the site-specific deterministic analyses and the distribution used in the probabilistic analyses are based on a study of Middleport soil (Exponent 2007 and Roberts et al. 2007, provided in Attachment 8) and, as discussed in Section 3.4.3, are expected to reduce the uncertainty and more accurately reflect the RBA of arsenic in soils and house dust in Middleport.

6.5 FMC'S EXPOSURE ASSESSMENT APPROACH

As described above, this HHRA includes two stages of deterministic risk assessment for each receptor scenario. The first stage incorporated default exposure assumptions that do not take into account site-specific conditions. The second stage of deterministic risk assessment, as well as the probabilistic analyses, incorporated site-specific exposure assumptions based on studies conducted in Middleport. In general, the more site-specific data that are included in an exposure assessment, the lower the uncertainty regarding potential exposures.

For the deterministic analyses, CTE risk results are calculated with exposure assumptions designed to characterize an average receptor and RME risk results are designed to characterize a receptor near the high end of the distribution of exposures (i.e., in the range of 90th to 99th percentiles). Accurate prediction of CTE and RME risks requires that each contributing exposure parameter is sufficiently well characterized to assure that the resulting exposure estimates are not skewed. For example, if two values in an equation to predict the CTE are really 75th percentile values instead of 50th percentile values, the resulting exposure estimate will be a 94th percentile (assuming there is no correlation between these variables), clearly not a CTE exposure. Similarly, combining two 90th percentile values yields a 99th percentile exposure estimate, at the upper end of exposure estimates considered to be RME exposures.

This exercise illustrates that conservatism in individual parameters is compounded when the parameters are combined in equations to estimate exposures. The advantage of probabilistic risk assessment is that this compounded conservatism is avoided.

The importance of using site-specific data is illustrated by comparing the default deterministic and site-specific deterministic results presented in Section 5. The site-specific risk estimates were typically about one tenth of the default deterministic risk estimates. This pattern reflects the tendency of risk assessors to err on the side of precaution when faced with uncertainty and to select values for exposure parameters that overestimate exposures. The probabilistic risk estimates, which provide greater transparency regarding the conservatism of combined exposure parameters, are generally about half the deterministic site-specific risk estimates.

The general approach used to support selection of remedial alternatives is a community-wide risk assessment. This means that risks were evaluated using a distribution of all surface soil data for each of the two study areas evaluated probabilistically and by selecting representative concentrations for the deterministic risk analyses. The entire risk distribution as used in the probabilistic risk analyses to characterize the impacts of different remedial alternatives provides the most transparent depiction of the effects of remedial alternatives.

6.6 FMC'S SENSITIVITY ANALYSES

As discussed above, selection of toxicity and exposure parameter values requires professional judgment about the strengths and limitations of information available in the technical literature and about how the literature values apply to a specific site. The qualitative uncertainty analysis in the prior sections examined the sources of variability and uncertainty in this HHRA. This sensitivity analysis evaluates the selection of parameter distributions for the probabilistic analyses and their relative impact on the risk distribution. Conducting a sensitivity analysis as specified in USEPA (2001a) better identifies the key contributors to uncertainty.

USEPA (1997a) discusses the utility of a sensitivity analysis:

Results of Monte Carlo simulations that include one or more preliminary distributions may lead to several alternative decisions. If the sensitivity analysis suggests that the risk estimate is relatively insensitive to the variable described with the distribution, then the uncertainty associated with the choice of a distribution should not affect the risk management decision process using the tiered approach (e.g., choice of RME percentile, derivation of a PRG). In other words, the choice would be to continue with the tiered process. If, however, the variables described by preliminary distribution are important sources of variability or uncertainty in the risk estimate, then this information should be presented in the scientific management decision point. The uncertainty may be sufficiently important in the risk management decision to warrant additional data collection efforts.

Conversely, it may be necessary to exit the tiered process if the uncertainty cannot be reduced.

Two types of sensitivity analysis were performed using the probabilistic approach to exposure assessment. In the first, Crystal Ball® was used to identify the input exposure factor distributions with the greatest impacts on the variance of the resulting output risk distributions. In the second, for those parameters with potential reasonable alternative distributions, the impacts of parameter distribution selection on the resulting risk distribution were evaluated by identifying the alternative distributions or approaches and modifying them one at a time. The results of the sensitivity analyses can help identify the degree of uncertainty introduced into the probabilistic analyses by certain choices made during selection of parameter distributions. To support interpretation of the sensitivity analyses results, the within-Crystal Ball® variability was evaluated. The results of the variability analysis, as well as the results of the sensitivity analyses, are included in the subsections below.

6.6.1 Quantitative Variability Analysis

Interpretation of the results of the sensitivity analyses, presented in the sections below, requires consideration of the variability in Monte Carlo simulation risk results that occurs due to the use of Crystal Ball®. To evaluate the within-program variability, risk calculations for one example scenario were repeated multiple times using the site-specific input exposure factor distributions and assumptions originally defined in Section 3 to determine how CTE and RME results varied. The scenario selected for this analysis of cancer effects consisted of the air deposition study area residential scenario under current conditions. The exposure factor distributions and assumptions used for this scenario are listed in Table 3-2. The CTE and RME intermediate risk results (LADD) for each repeated run and summary statistics of the CTE and RME results are provided in Table 6-2.

As shown in Table 6-2, the variability in calculated intakes was minimal. The coefficient of variation based on the intake values from 10 model runs for both the CTE and RME case was less than 2 percent. Therefore, within-program variability is not likely contributing substantially to the uncertainty in probabilistic risk distributions, and risk results attained using Crystal Ball® appear to have high repeatability.

6.6.2 Input Distributions with the Greatest Impact on Variance in Output Distributions

A source of sensitivity data for probabilistic analyses is a ranking of the input distributions that contribute most to the variance in output distributions, which is provided in the probabilistic analyses. This ranking is conducted by calculating rank correlation coefficients between every assumption and every forecast (see Attachment 5). Correlation coefficients provide a measure of how assumptions and forecasts change with respect to each other; the higher the correlation

coefficient, the more strongly the assumption affects the forecast. Impacts on the forecast can be through the assumption's uncertainty and through its model sensitivity. Discussed below are the exposure factor distributions that had the greatest impacts on the output distributions for the residential scenarios where cancer effects were evaluated.

Figures 6-1 and 6-2 include charts that summarize the contribution of each exposure factor distribution to the overall model variance for the air deposition study area and Culvert 105 study area north of the canal residential scenarios, respectively. It is important to note that the ranking results were not necessarily similar between scenarios. Only results from analyses of cancer risks are presented. Because the sensitivity analysis method used by Crystal Ball® results in an approximation of the variance decomposition, the results shown are averages of 10 repeated model runs for each exposure scenario. Repeated model runs are more likely to identify the true ranking of assumptions.

Figures 6-1 and 6-2 identify the assumptions with the greatest contribution to variance. For the air deposition study area adult plus child cancer risk model, the exposure factors with the greatest impact on the output distribution are (in order of decreasing importance): dust arsenic concentration, child soil ingestion rate, adult plus child exposure duration, soil arsenic concentration, and RBA. Body weight, exposure frequency, child exposure duration, adult soil ingestion rate, and fractional intake parameters have limited, if any, impacts on the output distribution variability.

For the Culvert 105 study area north of the canal adult plus child cancer risk model, the exposure factor with the greatest impact on the output distribution is the soil arsenic concentration followed by, to a lesser extent (in order of decreasing importance): child soil ingestion rate, dust arsenic concentration, adult plus child exposure duration, and RBA. Similar to the air deposition study area, body weight, exposure frequency, child exposure duration, adult soil ingestion rate, and fractional intake parameters have limited, if any, impacts on the Culvert 105 study area north of the canal output distribution variability.

6.6.3 Quantitative Sensitivity Analysis

For some of the parameter distributions and approaches used in the probabilistic analyses, alternative distributions or approaches were available. This section discusses the potential impacts of selecting the following alternative distributions or approaches:

- Use of alternative background data sets, which employ the remaining sets of derived property type/land usage weighting factors, both with and without potential outliers (see Attachment 2)
- Assumption that the child soil ingestion rate is normally distributed instead of lognormally distributed

- Incorporation of EPA default CTE and RME parameter values into the child soil ingestion rate distribution
- Incorporation of EPA default CTE and RME parameter values into the adult soil ingestion rate distribution
- Use of a soil exposure frequency distribution based on NYSDEC and NYSDOH (2006) instead of National Weather Service data
- Use of a child exposure duration of 0 to 6 years instead of 1 to 6 years.

To assess the impacts of use of the alternative assumptions specified above, cancer effects for the air deposition study area adult plus child residential receptor were evaluated in a sensitivity analysis, unless the assumption was not relevant to that scenario. A summary of the alternative assumptions and associated risk results is provided in Table 6-3.

As discussed in Section 2.4.1.4 and Attachment 2, eight potential background data sets were generated by incorporating property type/land usage weighting factors derived using one of two calculation approaches, the 2001 work plan method or the non-cumulative orchard method (non-cumulative method), and either including or not including four potential outliers. The background data sets employed in this HHRA include those generated by incorporating the 2001 work plan method and the four potential outliers. As shown in Table 6-3, use of the alternative background data sets produces background risk results that are generally slightly lower than the results reported in Section 5. CTE results decrease by factors ranging from 0.88 to 0.95, while RME results change by factors ranging from a decrease of 0.87 to an increase of 1.1.

In Section 6.6.2, the child soil ingestion rate parameter was identified as having the second highest contribution to the overall variance for the two models evaluated. As described in the uncertainty analysis, distribution fitting of data can introduce uncertainty. To test the effect of a distribution on the risk results for an influential parameter, an alternative distribution was selected for the child soil ingestion rate. The ingestion rate distribution was assumed to be lognormal based on earlier publications of the same study used to specify the ingestion rate and based on USEPA et al. (2002); however, the ingestion rate could reasonably be considered normally distributed. By changing the child soil ingestion rate distribution from lognormal to normal, the CTE and RME risk results increase slightly, both by factors of 1.1.

A sensitivity analysis was also performed for incorporating EPA default CTE and RME parameter values into the specified child soil ingestion rate distribution. In this case, the EPA default CTE value of 100 mg/day was assumed to represent a mean, the EPA default RME value of 200 mg/day was assumed to represent a 95th percentile, and all other distribution specifications (i.e., distribution type, minimum value, maximum value) were left unchanged.

CTE and RME risk results increased more substantially from the previous modification to the child soil ingestion rate parameter, by factors of 1.7 and 1.5, respectively.

Although the adult soil ingestion rate was not observed to have as great of an impact on the overall variance for the two models evaluated in Section 6.6.2, the parameter values used to describe this variable are associated with a high degree of uncertainty. The EPA default CTE and RME values are also highly uncertain; however, due to a lack of better-supported information available regarding adult soil ingestion rates, the EPA default parameters were used for comparison with the distribution employed for this HHRA. For this sensitivity analysis, the EPA default CTE value of 50 mg/day was assumed to represent a mean, the EPA default RME value of 100 mg/day was assumed to represent a 95th percentile, and all other distribution specifications (i.e., distribution type, minimum value, maximum value) were left unchanged. As a result, CTE and RME risk results increased slightly, by factors of 1.2 and 1.3, respectively.

Although the soil exposure frequency was found to have no impact on the model variance (Section 6.6.2), use of an alternative soil exposure frequency distribution was of interest to explore because of the difference in assumptions between the distribution used in this HHRA based on National Weather Service data and the data used in development of NYSDEC SCOs. The methods employed by NYSDEC and NYSDOH (2006), which incorporated one soil exposure frequency point estimate for adults and one for children, were different from the methods used in this HHRA, so use of NYSDEC and NYSDOH assumptions in this HHRA was not straightforward. To incorporate the range of point estimates employed in derivation of the SCOs, a uniform distribution with a minimum value of 62 days/year (the specified adult soil exposure frequency) and a maximum value of 217 days/year (the frost-free period of time during which soil ingestion may occur, unlimited by additional assumptions about time spent away from home) was selected for this sensitivity evaluation. Using the distribution based on NYSDEC and NYSDOH assumptions results in reductions in CTE and RME risk estimates by factors of 0.75 and 0.78, respectively. Use of the distribution based on National Weather Service data is conservative, as compared with the derivation of SCOs.

As discussed in Section 3.3.3.1, it was of interest to determine the effect of using a minimum value of 1 year for the child exposure duration. Therefore, risk results for a child exposure duration range of 1 to 6 years were compared with those for a child exposure duration range of 0 to 6 years. As shown in Table 6-3, use of a lower minimum value for the child exposure duration produces CTE and RME risk results that are slightly lower by factors of 0.90 and 0.94, respectively.

6.7 FMC'S CONFIDENCE IN THE RISK ASSESSMENT

The confidence in the risk characterization for arsenic in Middleport soil is enhanced by the three approaches used to estimate exposures, starting with deterministic analyses that employ EPA default exposure assumptions, and then incorporating the results of studies conducted in Middleport and updated literature evaluations into site-specific deterministic and probabilistic analyses. Confidence in estimates of arsenic exposure under current conditions is also increased by the availability of arsenic biomonitoring data for the population. In general, where uncertainties exist, conservative parameters, assumptions, and methodologies were used to enhance the likelihood that potential exposures and risks would not be underestimated.

7 FMC'S SUMMARY AND CONCLUSIONS

This HHRA for the Middleport air deposition study area and the Culvert 105 study area north of the canal was conducted to support one of the goals of the corrective measures, to “protect human health and the environment relative to FMC-related contamination.” Human health risk analyses were used to evaluate current conditions and the degree to which various CMAs would achieve this goal with respect to protection of human health. The HHRA was conducted using methods developed by FMC’s experts and consultants (Integral and Environ) consistent with EPA risk assessment guidance.

Screening for COCs confirmed that inorganic arsenic was the only COC carried forward in the risk analyses. Risk analyses were conducted for both cancer and non-cancer health effects of arsenic and focused on exposures from soil (i.e., exposures via soil and house dust), which is the primary exposure medium. Risks were quantified for residents in both study areas. Within the Culvert 105 study area and Wooded Parcel, risks were quantified for utility workers digging trenches along the culvert or utility lines. A deterministic risk assessment approach was used to assess each of the receptor scenarios, at first using default assumptions and then progressing to incorporate site-specific exposure assumptions. For residential exposures, probabilistic analyses were also conducted. Site-specific data (local weather data, oral and dermal bioavailability studies, a biomonitoring study, results of a community survey, and soil and dust arsenic concentration data) were relied upon as appropriate to reduce uncertainty in risk estimates.

Noncancer risks were below levels of concern for all scenarios and all CMAs, including current (post ICM) and pre-ICM conditions. Consequently, all CMAs meet the goal of protecting human health with regard to noncancer health effects of arsenic.

A cancer risk estimate is characterized as the excess probability that an individual will develop cancer during his or her lifetime due to exposure to site-related chemicals. The term “excess” reflects the fact that the calculated risk is in addition to background cancer incidence (i.e., the 1 in 2 for men, or 1 in 3 for women, risk of developing cancer during a lifetime). A 1×10^{-4} cancer risk means a “one-in-ten-thousand excess cancer risk,” or one additional incidence of cancer may be seen in a population of 10,000 people as a result of exposure to site contaminants under the conditions assumed in the HHRA. Cancer risk estimates greater than 1×10^{-4} are considered to represent unacceptable risks under the Agencies’CAOs. According to the CAOs, the “point of departure,” or starting point for corrective action risk-management decisions pertaining to arsenic in soil, is the site-specific residential background considering site-specific histories of use for current and reasonably anticipated future residential properties within these study areas.

For surface soils, data collected during a study in Gasport in 2001-2003 were used to estimate soil arsenic concentrations in Middleport that would be expected to occur in the absence of the

FMC facility. These estimated soil concentrations were termed “background” conditions. Comparison between CMS area current arsenic concentrations and background conditions is critical to understanding the potential risk reductions associated with remedial actions that might be undertaken. This risk difference is termed the “incremental” risk to reflect the risks present in the study areas due to background conditions. For residential scenarios, both total and incremental excess lifetime cancer risks are provided.

For all scenarios, risks were evaluated for background conditions, concentrations that existed prior to the ICMs (pre-ICM), current concentrations (CMA 1), and post-remediation conditions (CMAs 2 through 8). Cancer risks for utility workers in the Culvert 105 study area and the Wooded Parcel were below EPA’s acceptable risk range for all conditions evaluated.

For both the air deposition study area and the Culvert 105 study area north of the canal, all total excess cancer risks for residents were within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} , except for slight exceedances under the pre-ICM and current conditions scenarios for the Culvert 105 study area north of the canal.⁵⁷ Using only site-specific calculation approaches, no RME results exceeded 1×10^{-5} . For the air deposition study area, RME excess risk for current conditions was estimated to be 6×10^{-5} using the default deterministic approach, 7×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach. For the Culvert 105 study area north of the canal, RME excess risk for current conditions was estimated to be 1×10^{-4} using the default deterministic approach, 1×10^{-5} using the site-specific deterministic approach, and 7×10^{-6} using the probabilistic approach. In general, RME default deterministic risk estimates are roughly 10 times higher than RME site-specific deterministic estimates, and RME site-specific deterministic estimates are approximately twice as high as RME site-specific probabilistic estimates. This general pattern among results for the default deterministic, site-specific deterministic, and site-specific probabilistic methods is applicable for all CMAs in both study areas.

For the air deposition study area, RME incremental risk for current conditions was estimated to be 2×10^{-5} using the default deterministic approach, 2×10^{-6} using the site-specific deterministic approach, and 9×10^{-7} using the probabilistic approach. These incremental risks are approximately one-fourth as high as the total excess risks. For the CMAs other than current conditions (i.e., CMAs 2 through 8), all incremental risks are 1×10^{-5} or less, and for CMA 2, the incremental risks calculated using deterministic approaches are negative (i.e., CMA 2 would result in risks lower than background risks because CMA 2 requires removal of a large number of samples that fall above the background concentration and replacement with clean fill that is lower than the background concentration⁵⁸). For the Culvert 105 study area north of the canal,

⁵⁷ EPA guidance suggests rounding all risk estimates to one significant digit. When rounded, no risk estimates exceed 1×10^{-4} .

⁵⁸ For example, the RME concentrations calculated for the background and CMA 2 data sets in the air deposition study area are 11.6 and 8.2 mg/kg, respectively. The RME concentrations for background and CMA 2 in the Culvert 105 study area north of the canal are 25.0 and 5.9 mg/kg, respectively.

positive incremental risks could be calculated for only pre-ICM and current conditions because all other CMAs resulted in risks lower than background.⁵⁹ RME incremental risk for current conditions was estimated to be 6×10^{-5} using the default deterministic approach, 6×10^{-6} using the site-specific deterministic approach, and 3×10^{-6} using the probabilistic approach.

For both study areas, arsenic concentrations in subsurface soils are approximately equal to or lower than those in surface soils. Therefore, for the residential scenario, it is protective to focus the evaluation on surface soils.

A schoolchild scenario was also evaluated using the site-specific deterministic method to compare potential cancer risks faced by a child attending the Roy-Hart school, Middleport campus under the various CMAs. This scenario focused on exposures during middle and high school years. The cancer risks were below or within the acceptable risk range of 1×10^{-6} to 1×10^{-4} for all CMAs, and cancer risks under CMAs that do not include additional remediation at the school were only slightly higher than those under CMAs that do include additional remediation at the school. These results confirm the conclusion of the Agencies that after the school yard remediation in 1999-2000 as follows: “[t]he entire school yard is suitable for both athletic and non-athletic uses by all school children, in terms of their exposure to known school yard soil arsenic levels” (NYSDEC et al. 2000). Based on the findings of this assessment that the human health risks to school age children at the school property are generally similar under all of the CMAs, and would not significantly decrease, it is FMC’s conclusion that further remediation of the school property is not supported on the grounds of reduction of risk to human health.

In developing the alternatives, risk assessment was used to evaluate a range of soil arsenic concentration targets such that post-remediation risks would fall within EPA’s acceptable risk range using residential exposure assumptions. Site-specific CTE and RME soil risk-based concentrations (RBCs) were derived for the low end, middle, and high end of the acceptable risk range. A soil arsenic concentration of 20 mg/kg, considered by the Agencies to be the upper end of a reasonable representation of Middleport site background for residential properties, was also taken into account. For current (post-ICM) conditions, the mean surface and overall soil arsenic concentrations for all properties fall within or below the acceptable risk range of 1×10^{-6} to 1×10^{-4} . For the RBCs based on CTE assumptions, all of the properties fall below 1×10^{-5} risk (and the Roy-Hart school property falls below 1×10^{-6}). For the RBCs based on RME assumptions, 10 or 13 properties fall within the risk range of 1×10^{-5} to 1×10^{-4} based on overall sample concentrations or surface sample concentrations, respectively (and the Roy-Hart school property falls below 1×10^{-5}). This analysis provided perspective for assessing the CMAs.

Additional perspective on the risk reduction that might be associated with the CMAs was provided by comparison of exposure to soil arsenic with exposure to inorganic arsenic from other natural sources such as diet and drinking water. Arsenic is naturally present in most

⁵⁹ A positive risk value was calculated for the CTE incremental risk using the site-specific probabilistic approach for CMA 5 (i.e., 1×10^{-8}).

foods and in drinking water, and is widely distributed in the environment from many natural and anthropogenic sources. Studies of background exposures to arsenic in the U.S. have found that exposures are dominated by intakes from drinking water and diet, and that intakes via incidental ingestion of soil and inhalation of air contribute a negligible amount to total exposure.

In most communities, arsenic from soil accounts for less than 1 percent of inorganic arsenic exposure in U.S. adults (Meacher et al. 2002; Boyce et al. 2008). This relation likely also holds in Middleport where a 2004 biomonitoring study found no significant relationship between urinary arsenic and arsenic in soil. RME intakes calculated in this HHRA are lower (by a factor of at least 20) than the 95th percentile arsenic intakes from diet and drinking water reported for typical U.S. residents.

Risk assessments predict the likelihood of health effects in a population, but do not directly measure the occurrence of health effects. The predicted risks are based on many assumptions about the ways in which people come into contact with chemicals in the environment. Although many of these assumptions are based on general scientific studies or site-specific data, uncertainty remains regarding how well the available data reflect the ways residents are actually exposed to chemicals. The degree of confidence in the results of a risk assessment depends on how closely the data and assumptions used match actual conditions.

This HHRA included a detailed uncertainty assessment that qualitatively evaluated sources of variability and uncertainty for each step of the risk assessment process. The uncertainty analysis is needed to understand the reliability of risk estimates because inappropriate decisions may be made if risks are markedly overestimated or underestimated. Underestimation of risks may result in people not being adequately protected from adverse health effects, while overestimation of risks can cause unnecessary disruption and use of resources if unneeded remediation is undertaken.

Each source of uncertainty was evaluated in terms of whether it would tend to over- or underestimate risks and the relative magnitude of the uncertainty associated with that factor. A sensitivity analysis was also conducted to quantitatively assess uncertainty and variability for selected critical assumptions. In general, where uncertainties exist, conservative parameters, assumptions, and methodologies were used to enhance the likelihood that potential exposures and risks would not be underestimated.

The confidence in the risk characterization for arsenic in Middleport soil is enhanced by the three approaches used to estimate exposures, starting with deterministic analyses that employ EPA default exposure assumptions, and then incorporating the results of studies conducted in Middleport and updated literature evaluations into site-specific deterministic and probabilistic analyses. These analyses have reduced the level of uncertainty for many factors. One current source of uncertainty is in the arsenic oral CSF. EPA has proposed a draft CSF, not used in the

HHRA, that suggests arsenic cancer potency is greater than indicated by the current EPA-approved CSF. This is a controversial subject, and is currently unresolved. Many scientists disagree with EPA's proposed draft assessment, and believe risks from low dose arsenic exposures are much lower than EPA's draft estimates.

Due to the fact that there are many other sources of exposure to inorganic arsenic, FMC's HHRA demonstrates that all of the alternative CMAs produce negligible reductions in arsenic exposure. Consequently, human health risk reduction is not considered by FMC to be the primary factor in the determination of the FMC recommended CMA. Further, FMC considers the differences among all of the CMAs in terms of reduction of human health risk to be very small.

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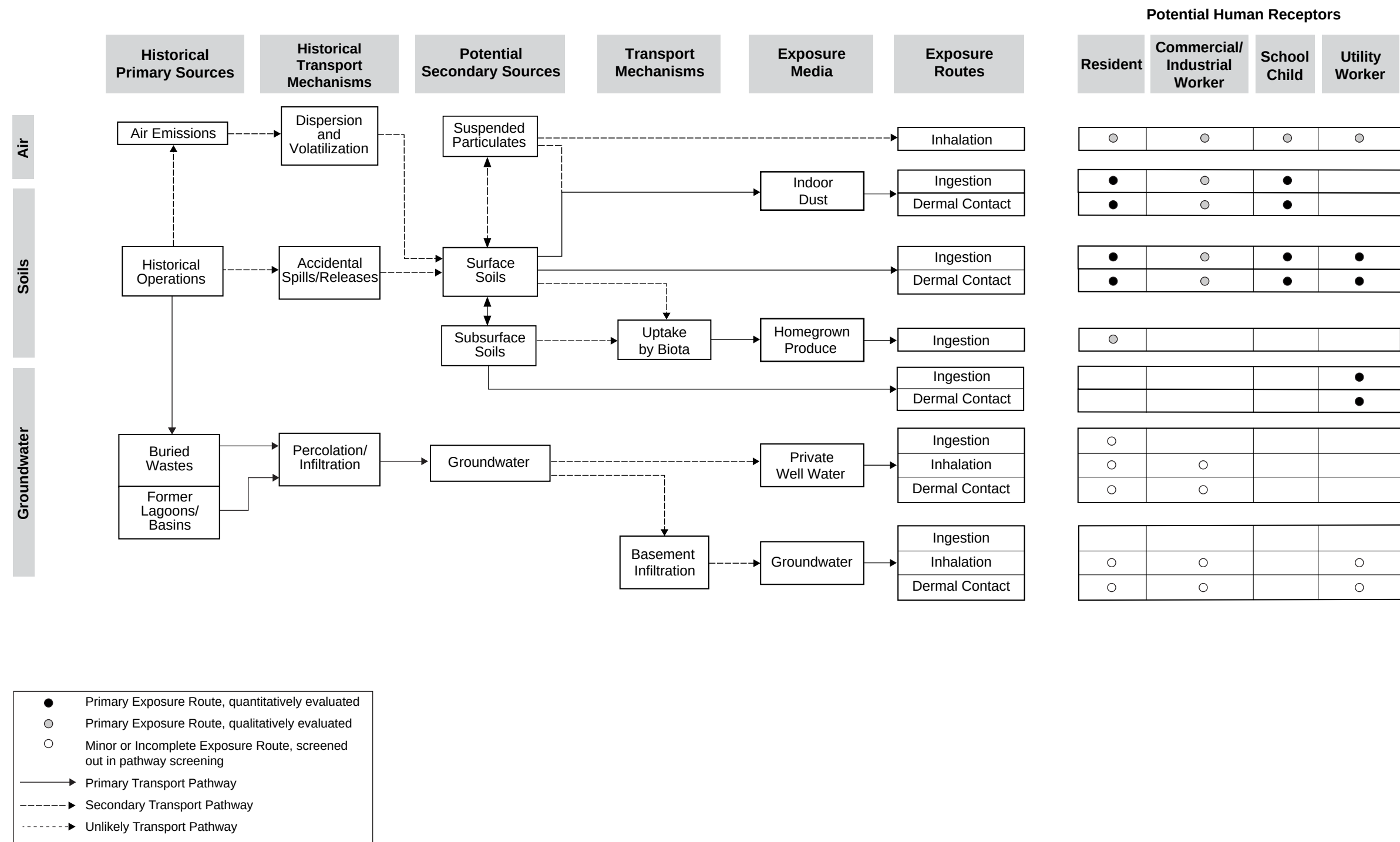
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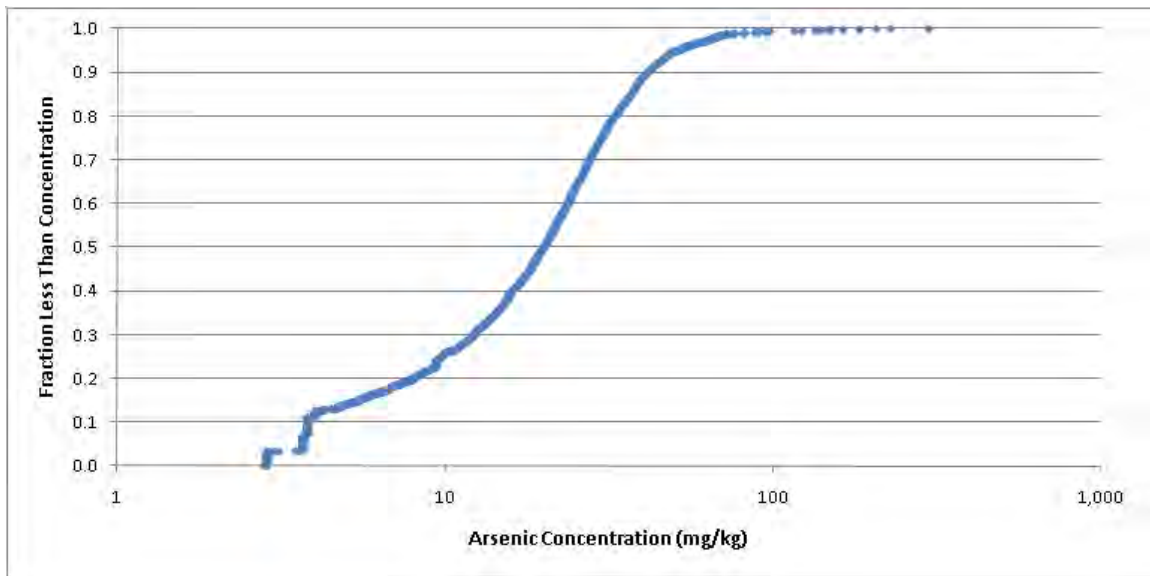


Figure 2-2. Cumulative Frequency Distribution of Surface Soil Arsenic Concentration Data for the Air Deposition Study Area, Current Conditions

Notes:

Surface soil arsenic concentrations shown are from sample data updated as recently as following the 2007–2008 Early Actions ICM. Of 1,873 sample locations included in the surface soil sample data sets for the air deposition study area, 242 sample locations have currently undergone remedial activities. The figure excludes one current surface sample data point less than 1 mg/kg (a nondetect sample with a detection limit of 0.4 mg/kg).

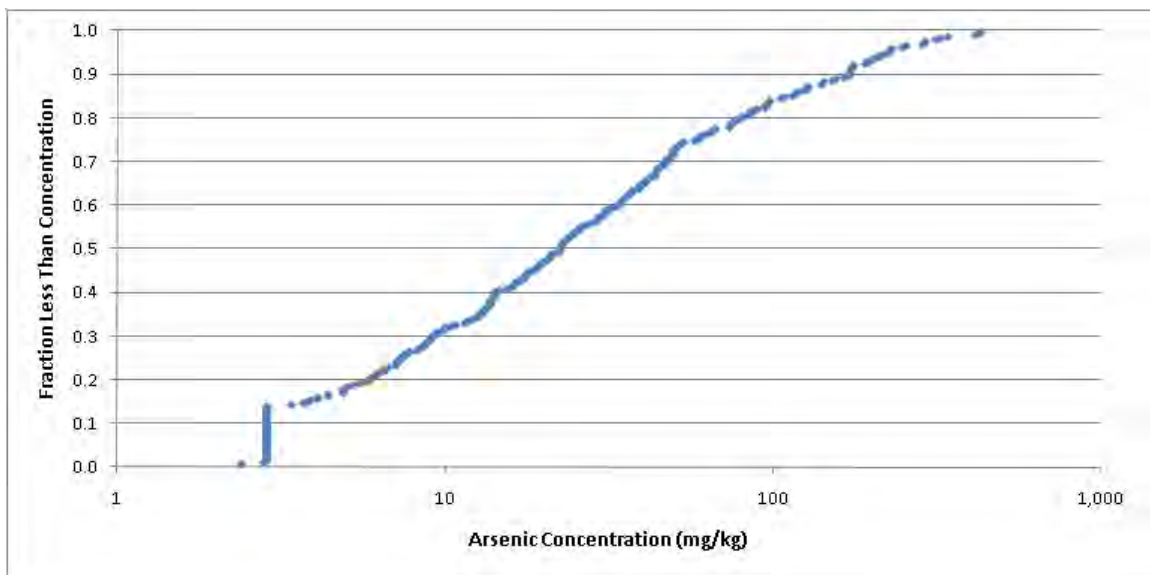


Figure 2-3. Cumulative Frequency Distribution of Surface Soil Arsenic Concentration Data for the Culvert 105 Study Area North of the Canal, Current Conditions

Notes:

Surface soil arsenic concentrations shown are from sample data updated as recently as following the 2007–2008 Early Actions ICM. Of 288 sample locations included in the surface soil sample data sets for the Culvert 105 study area north of the canal, 37 sample locations have currently undergone remedial activities. The figure excludes one current surface sample data point less than 1 mg/kg (a nondetect sample with a detection limit of 0.22 mg/kg).

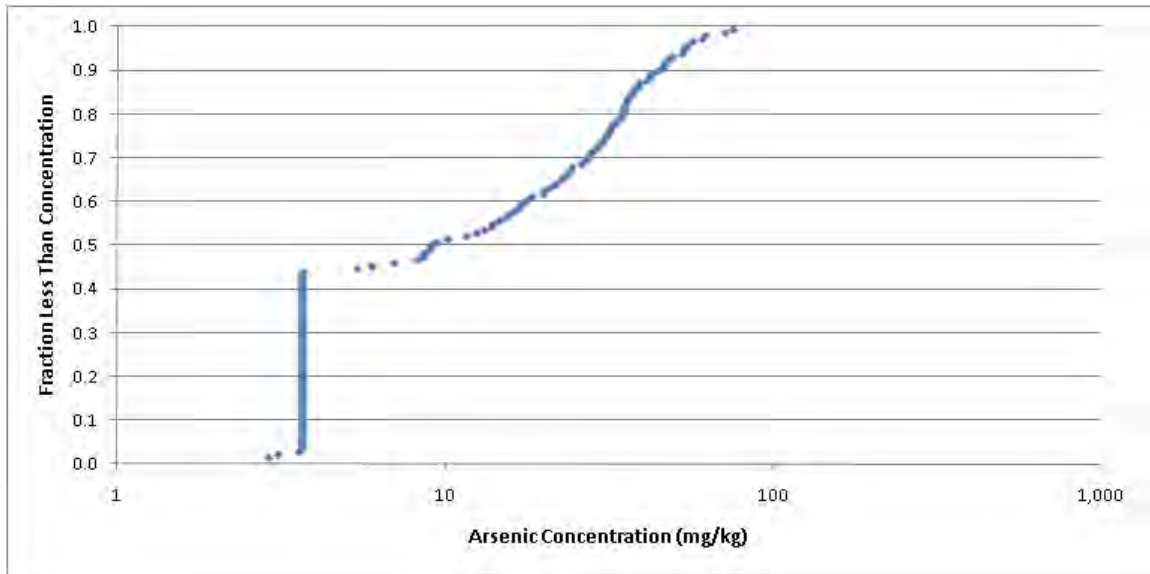


Figure 2-4. Cumulative Frequency Distribution of Surface Soil Arsenic Concentration Data for the Roy-Hart School Property, Current Conditions

Notes:

Surface soil arsenic concentrations shown are from sample data updated as recently as following the 2007–2008 Early Actions ICM. Of 145 sample locations included in the surface soil sample data sets for the Roy-Hart school property, 59 sample locations have currently undergone remedial activities. The figure excludes one current surface sample data point less than 1 mg/kg (a nondetect sample with a detection limit of 0.4 mg/kg).

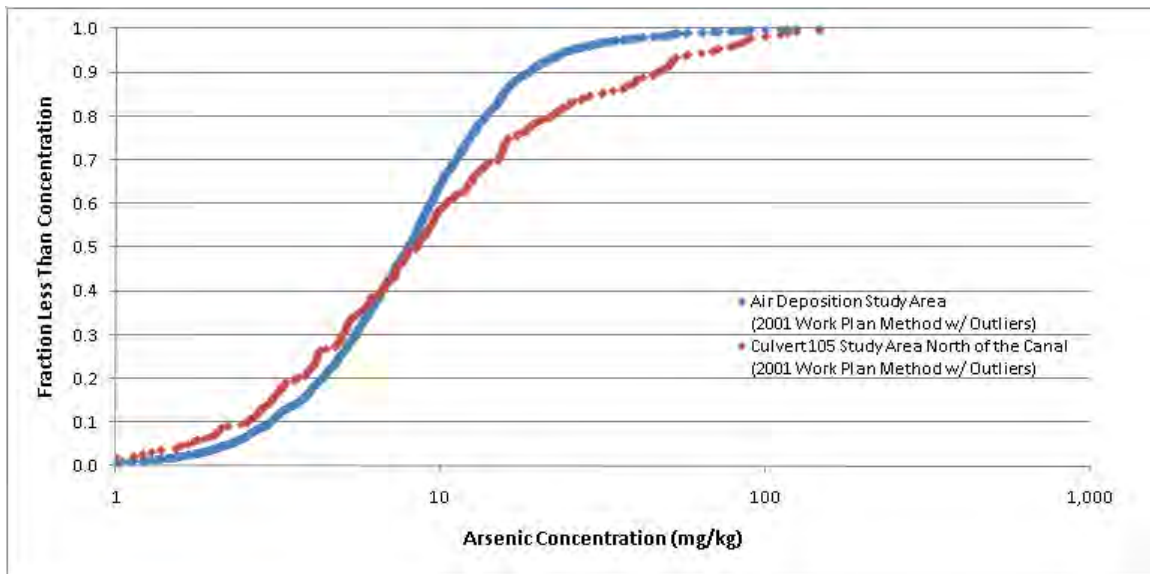


Figure 2-5. Cumulative Frequency Distribution of Background Surface Soil Arsenic Concentration Data

Notes:

The background data sets shown incorporate the 2001 Work Plan Method calculations for the air deposition study area or the Culvert 105 study area north of the canal and the four potential Gasport wooded-agricultural outliers. The figure excludes 18 background data points less than 1 mg/kg: 14 for the air deposition study area and 4 for the Culvert 105 study area north of the canal.

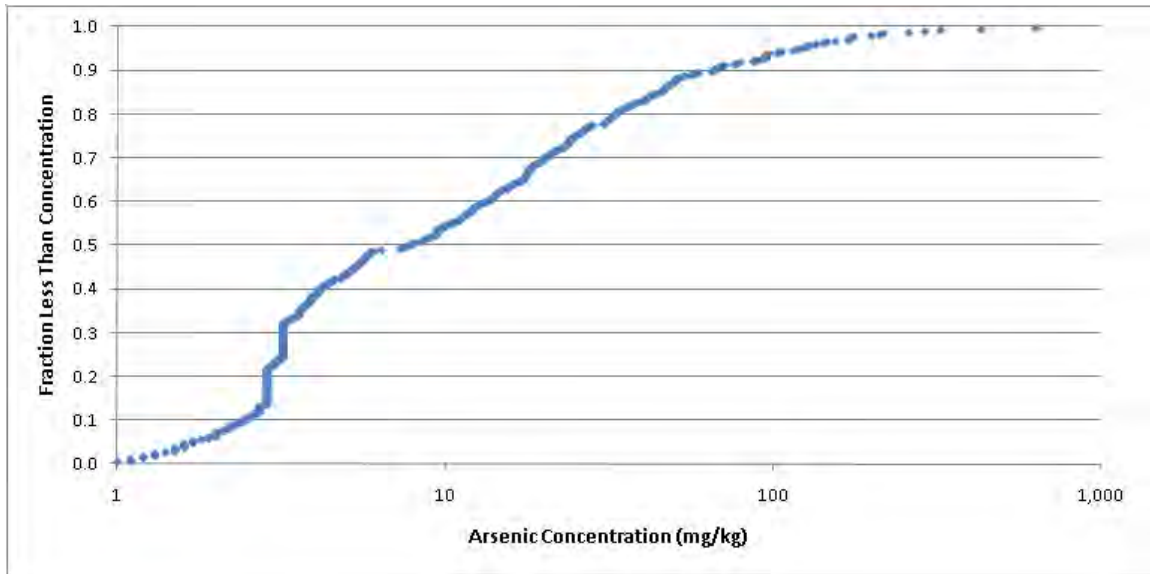


Figure 2-6. Cumulative Frequency Distribution of Surface and Subsurface Soil Arsenic Concentration Data for the Culvert 105 Study Area, Current Conditions

Notes:

Surface and subsurface soil arsenic concentrations shown are from sample data updated as recently as following the 2007–2008 Early Actions ICM. Of the 106 sample locations (408 samples) included in the surface and subsurface soil sample data sets, 25 sample locations (70 samples) have currently undergone remedial activities.

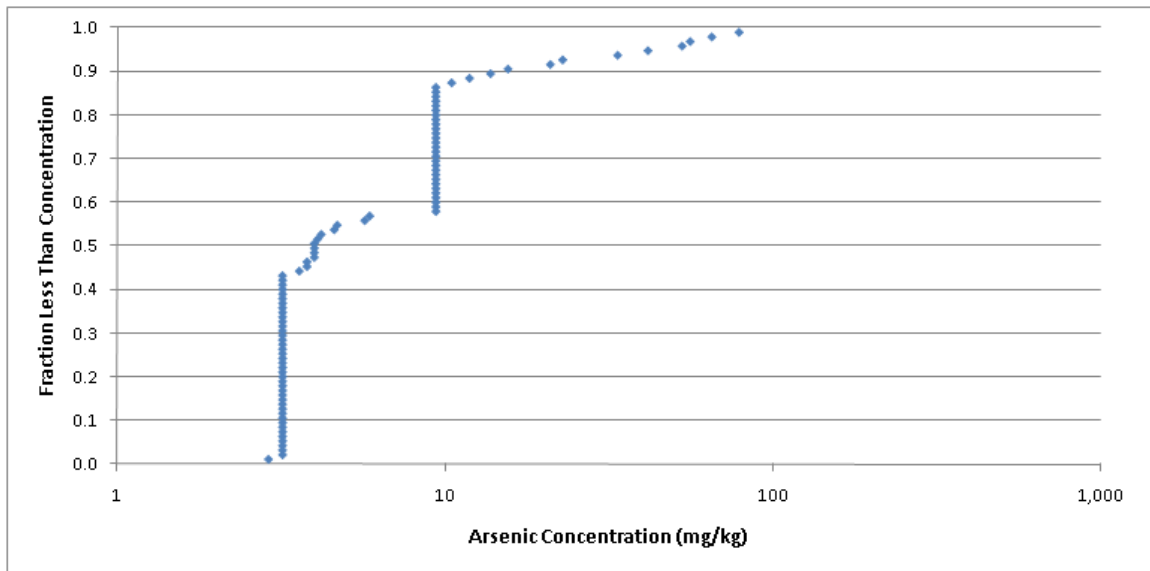


Figure 2-7. Cumulative Frequency Distribution of Surface and Subsurface Soil Arsenic Concentration Data for the Wooded Parcel, Current Conditions

Notes:

Surface and subsurface soil arsenic concentrations shown are from sample data updated as recently as following the 2007–2008 Early Actions ICM. Of the 33 sample locations (94 samples) included in the surface and subsurface soil sample data sets, 32 sample locations (72 samples) have currently undergone remedial activities.

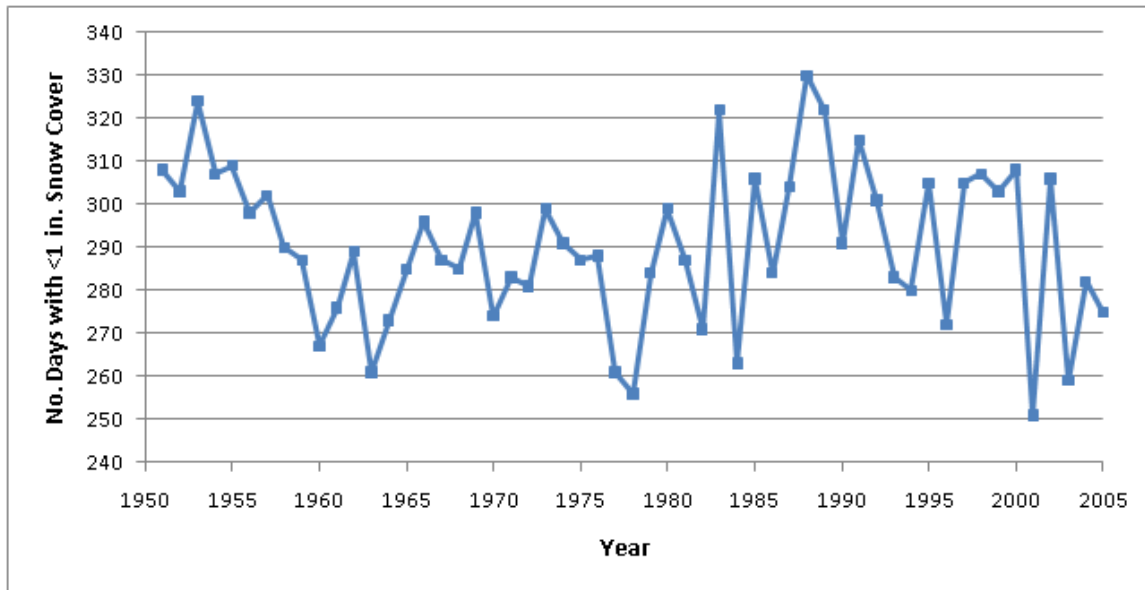


Figure 3-1. Number of Days per Year with Less Than 1 in. Snow Cover in Buffalo, New York

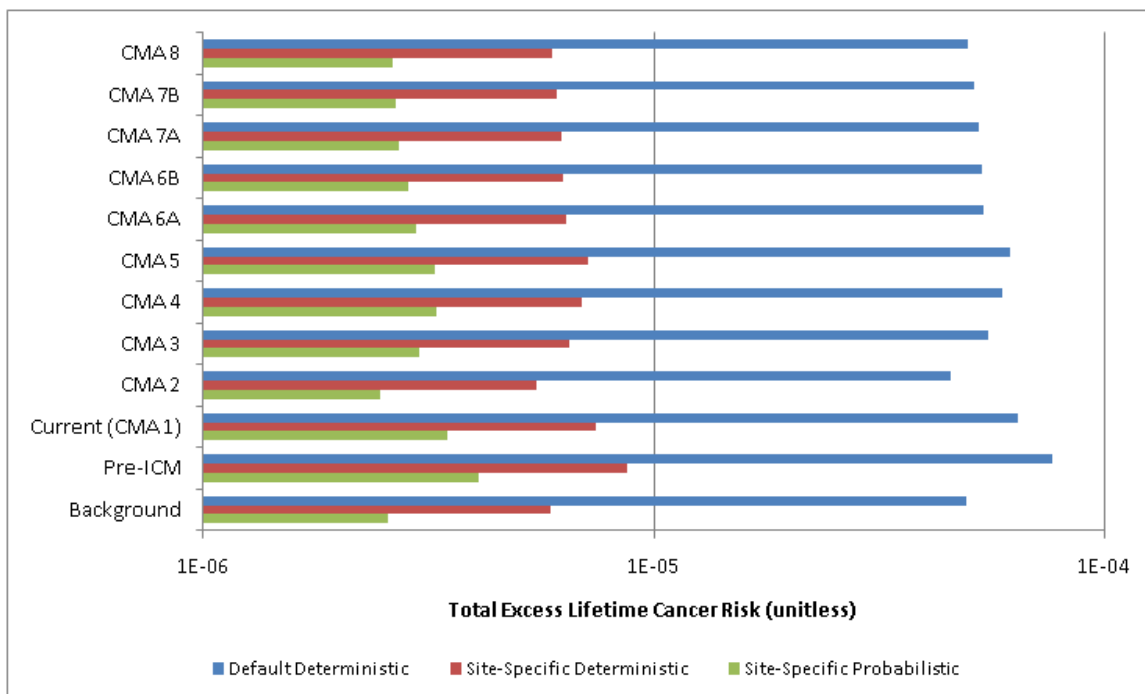


Figure 5-1. Total RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

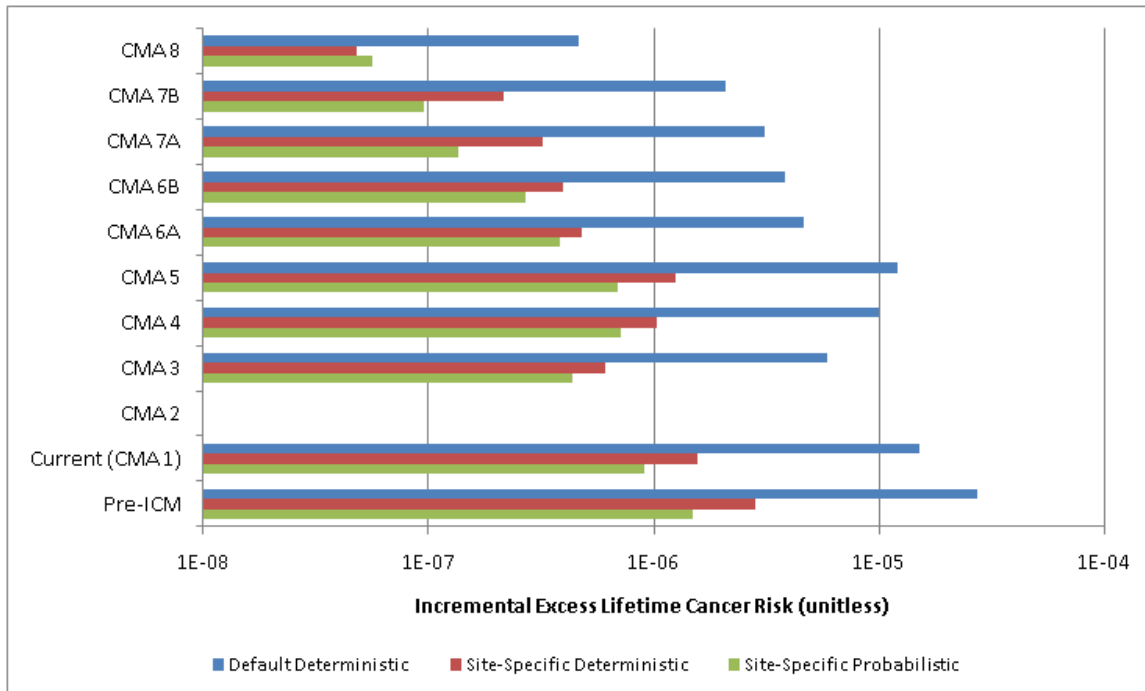


Figure 5-2. Incremental RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

Note:

Missing bars indicate background risks are higher than site-related risks.

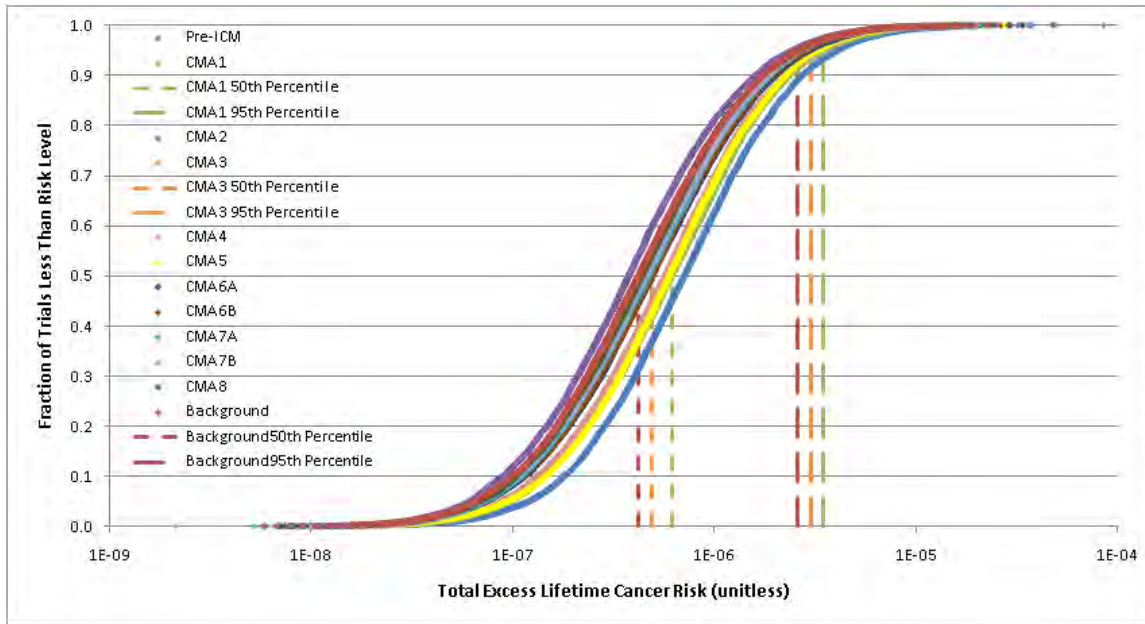


Figure 5-3a. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Probabilistic Analysis Methods

Note:

Figure excludes one pre-ICM simulation data point greater than 1×10^{-4} (1.4×10^{-4}).

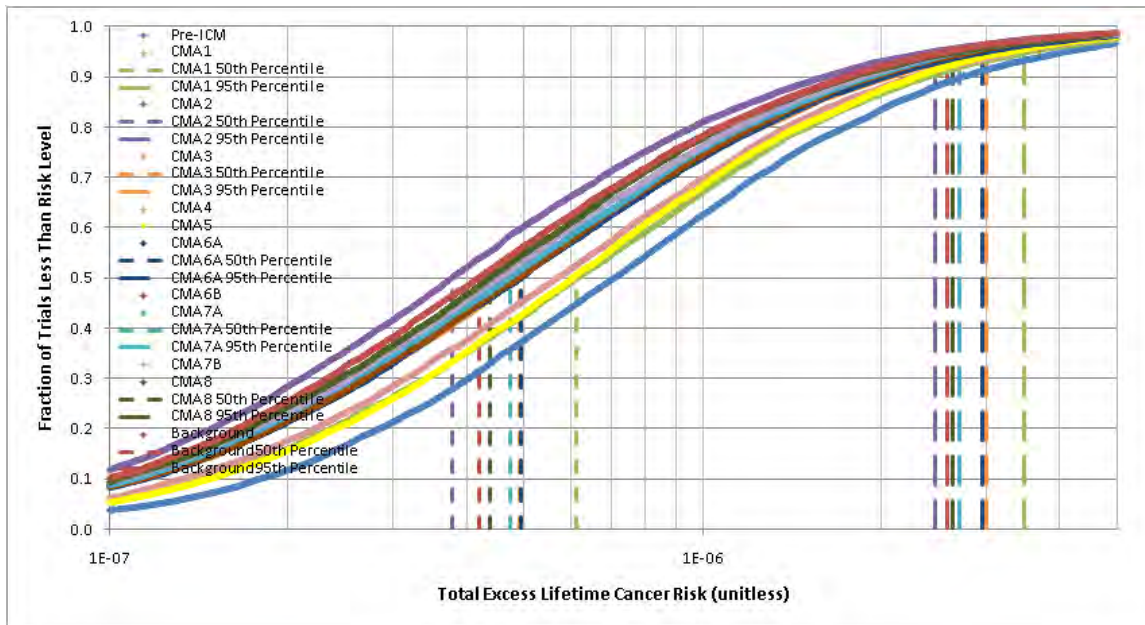


Figure 5-3b. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Probabilistic Analysis Methods

Notes:

Figure excludes data points less than 1×10^{-7} and greater than 5×10^{-6} in order to show additional detail between the 50th and 95th percentiles of the total excess lifetime cancer risk distributions associated with each CMA.

The CMA 3 50th percentile drop down is not visible because it is completely overlain by the CMA 6A 50th percentile drop down line.

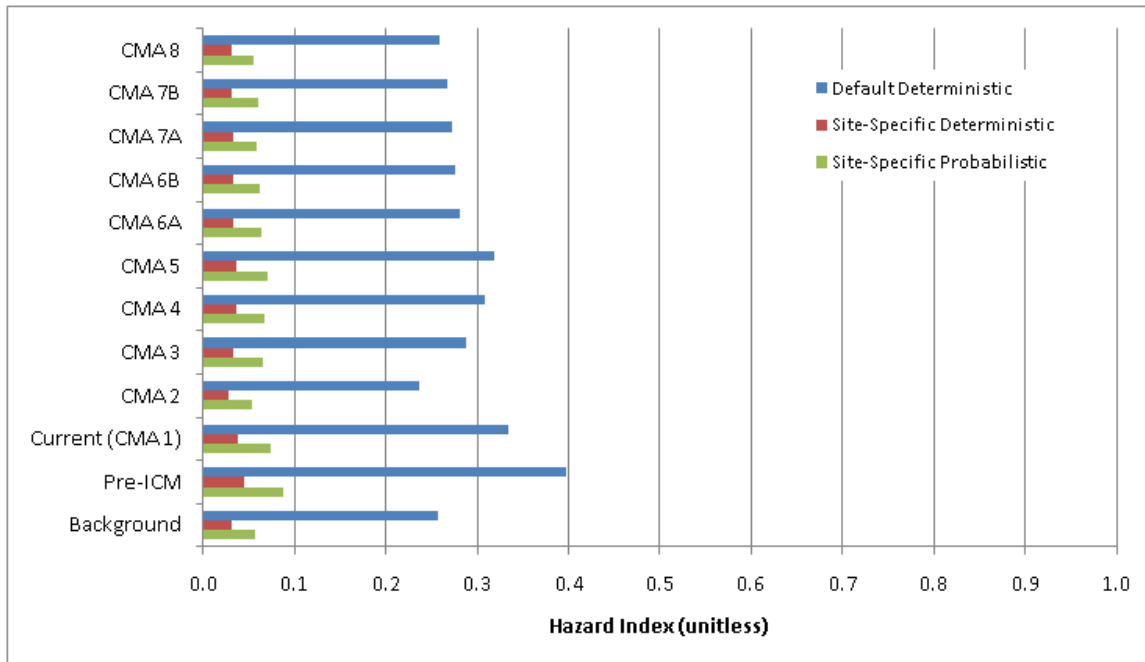


Figure 5-4. RME Hazard Indices for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

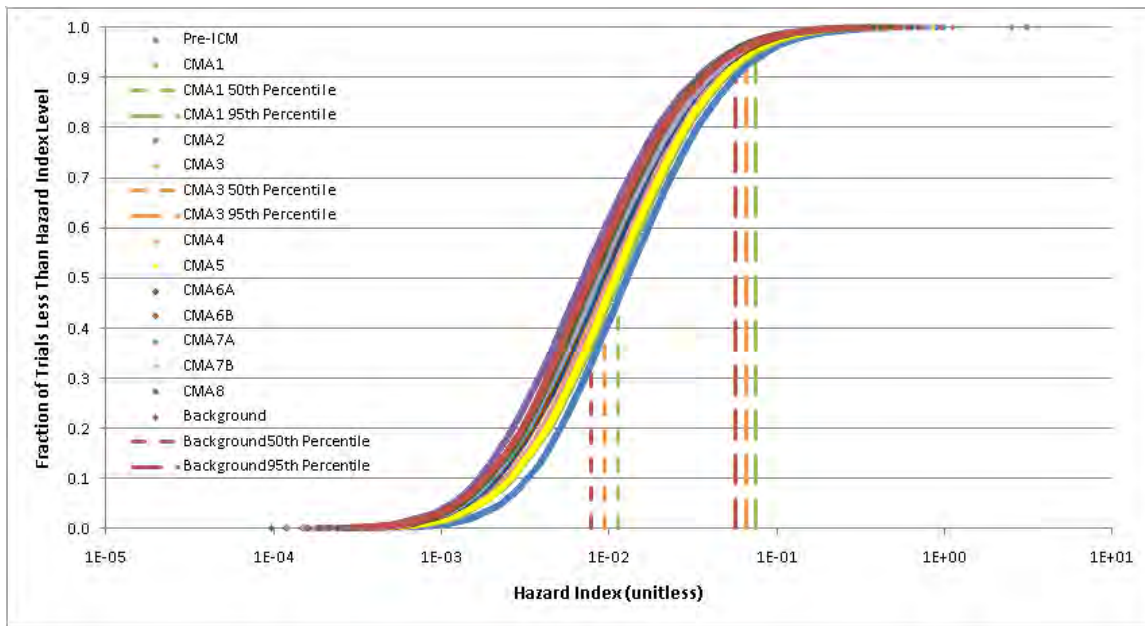


Figure 5-5a. Hazard Index Distributions for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Probabilistic Analysis Methods

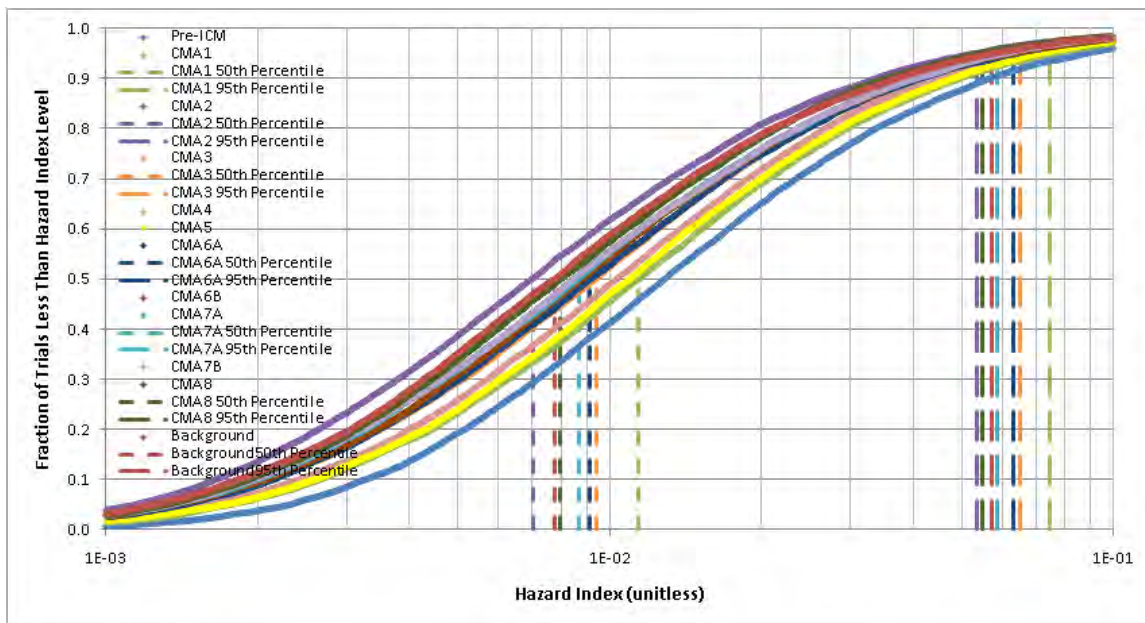


Figure 5-5b. Hazard Index Distributions for Adult plus Child Resident in Air Deposition Study Area, Calculated Using Probabilistic Analysis Methods

Note:

Figure excludes data points less than 1×10^{-3} and greater than 1×10^{-1} in order to show additional detail between the 50th and 95th percentiles of the hazard index distributions associated with each CMA.

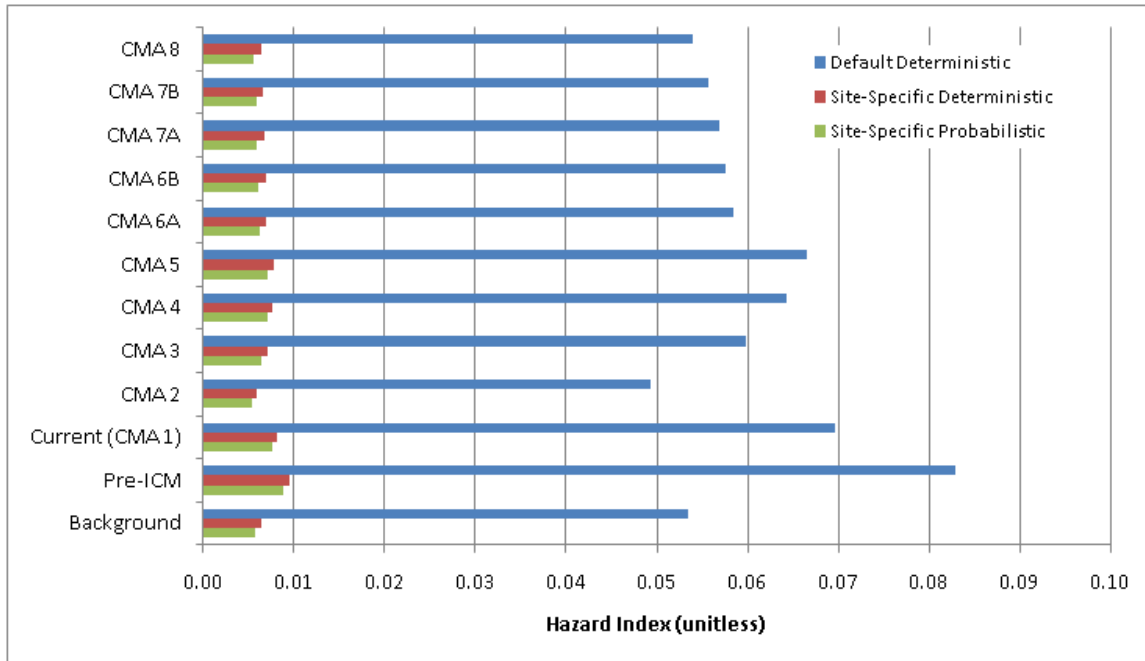


Figure 5-6. RME Hazard Indices for Child Resident in Air Deposition Study Area, Calculated Using Various Risk Analysis Methods

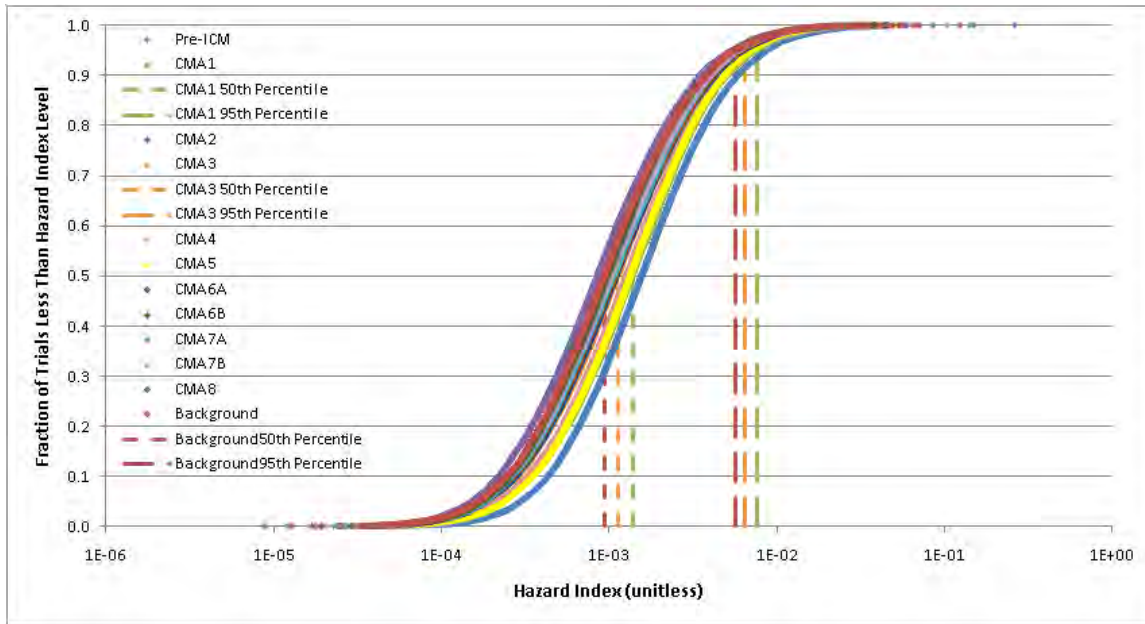


Figure 5-7a. Hazard Index Distributions for Air Deposition Study Area Child Resident, Calculated Using Probabilistic Analysis Methods

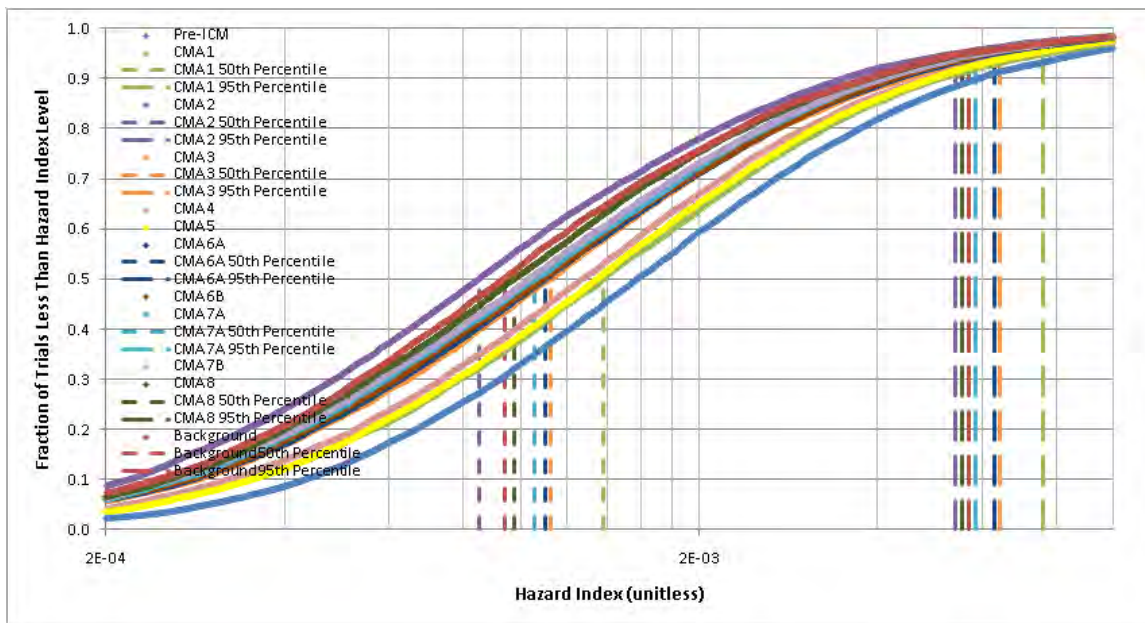


Figure 5-7b. Hazard Index Distributions for Air Deposition Study Area Child Resident, Calculated Using Probabilistic Analysis Methods

Note:

Figure excludes data points less than 2×10^{-4} and greater than 1×10^{-2} in order to show additional detail between the 50th and 95th percentiles of the hazard index distributions associated with each CMA.

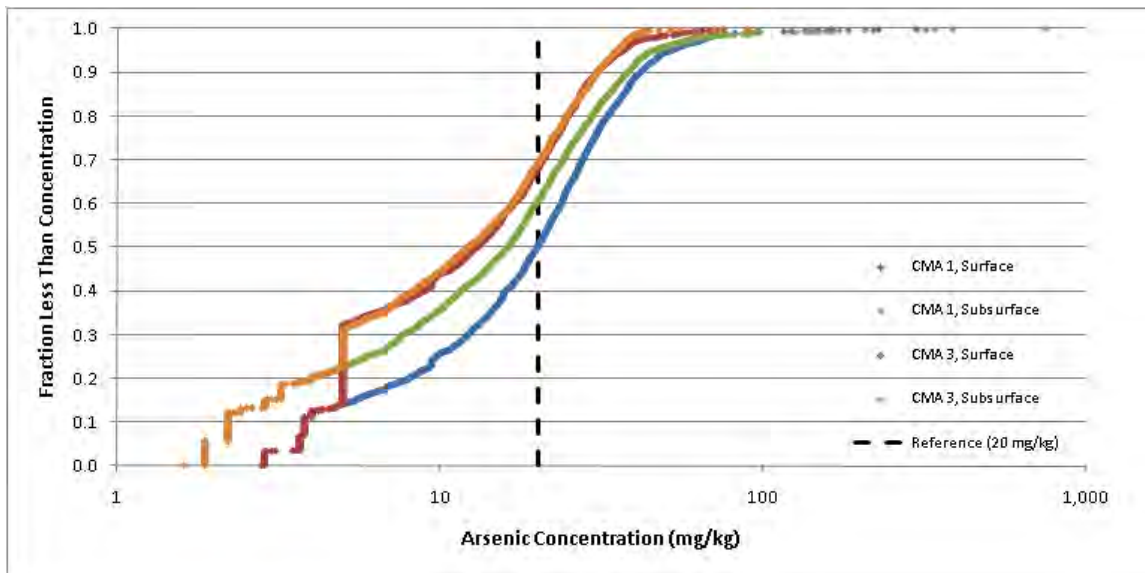


Figure 5-8. Surface/Shallow Subsurface Soil Arsenic Concentration Comparison for Air Deposition Study Area

Note:

Figure excludes one current (CMA 1) and CMA 3 surface sample data point less than 1 mg/kg (a nondetect sample with a detection limit of 0.4 mg/kg).

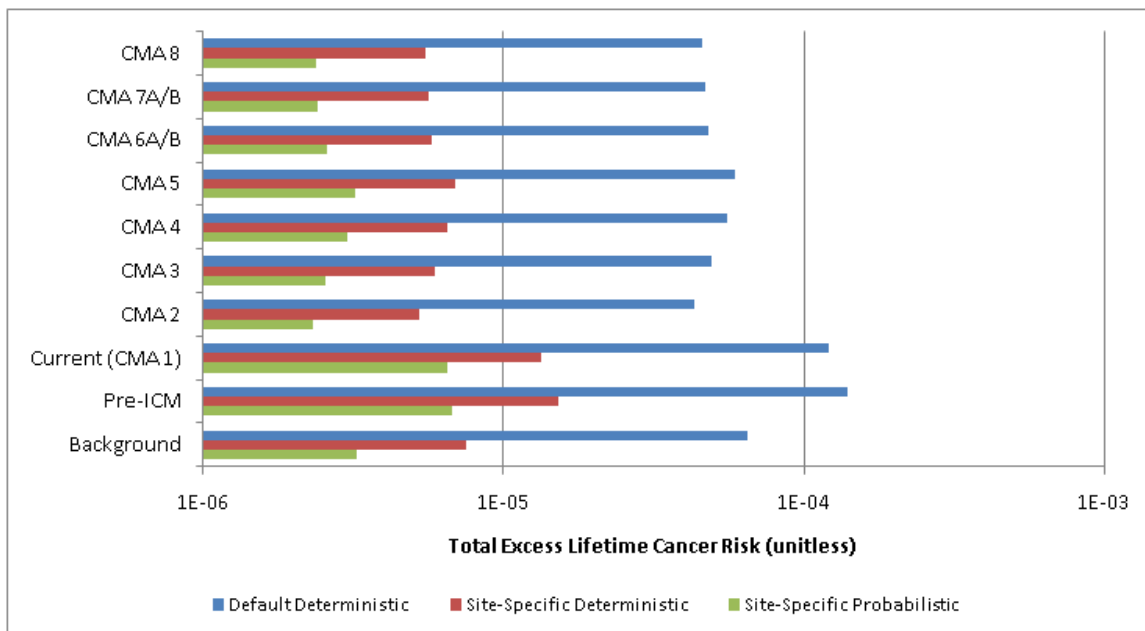


Figure 5-9. Total RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

Note:

Bars exceeding 1×10^{-4} are equal to 1×10^{-4} when rounded to one significant digit.

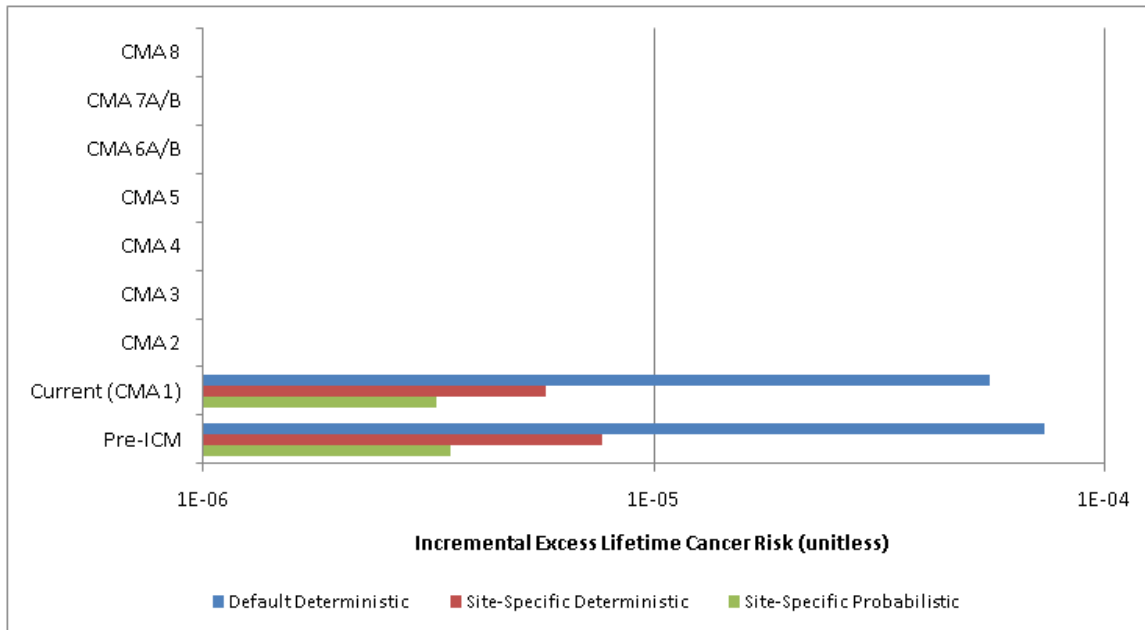


Figure 5-10. Incremental RME Excess Lifetime Cancer Risks for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

Note:

Missing bars indicate background risks are higher than site-related risks.

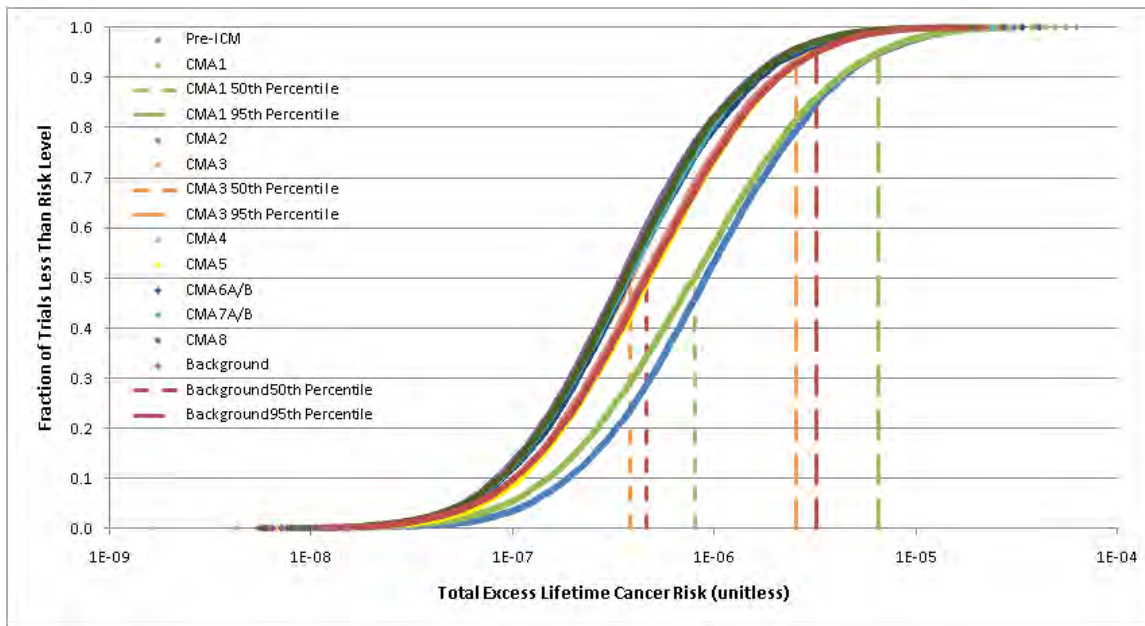


Figure 5-11a. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

Note:

Figure excludes one current (CMA 1) simulation data point greater than 1×10^{-4} (1.1×10^{-4}).

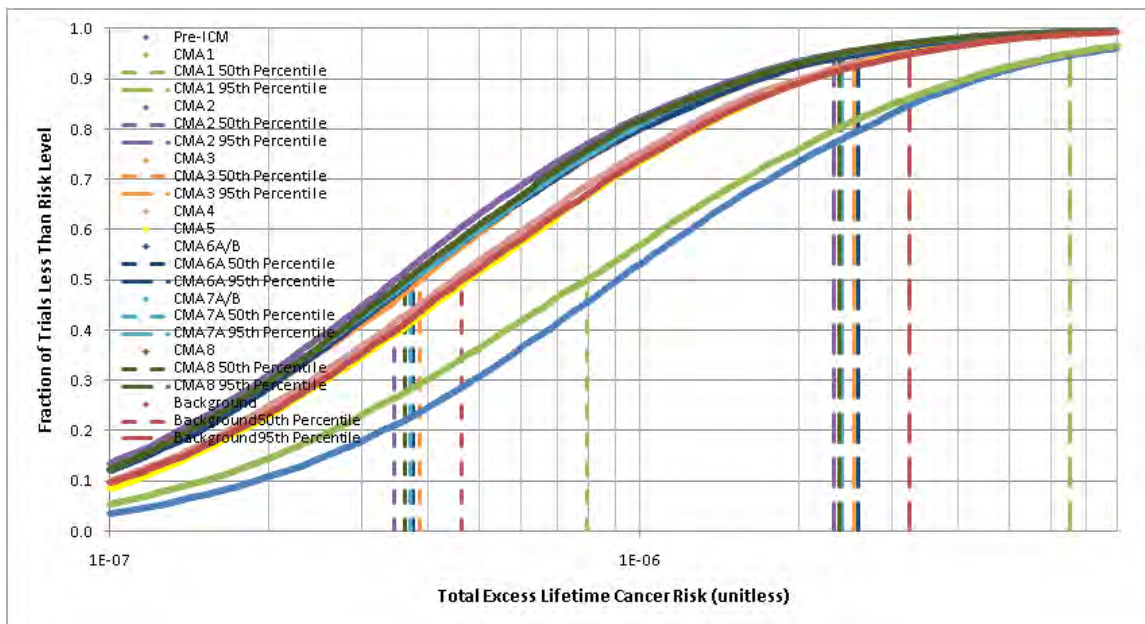


Figure 5-11b. Total Excess Lifetime Cancer Risk Distributions for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

Note:

Figure excludes data points less than 1×10^{-7} and greater than 8×10^{-6} in order to show additional detail between the 50th and 95th percentiles of the total excess lifetime cancer risk distributions associated with each CMA.

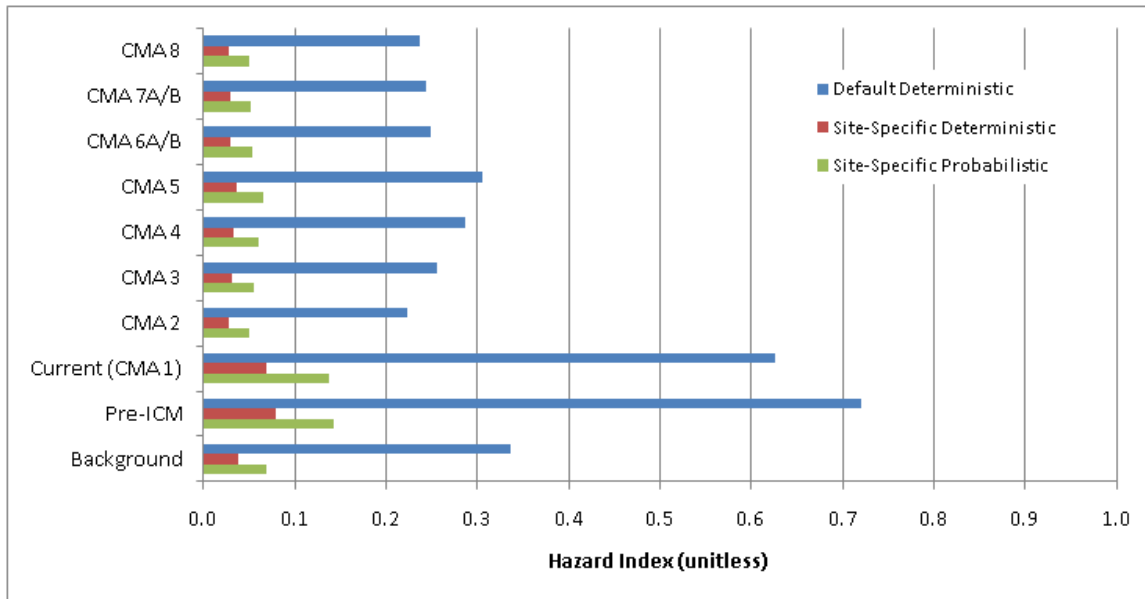


Figure 5-12. RME Hazard Indices for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

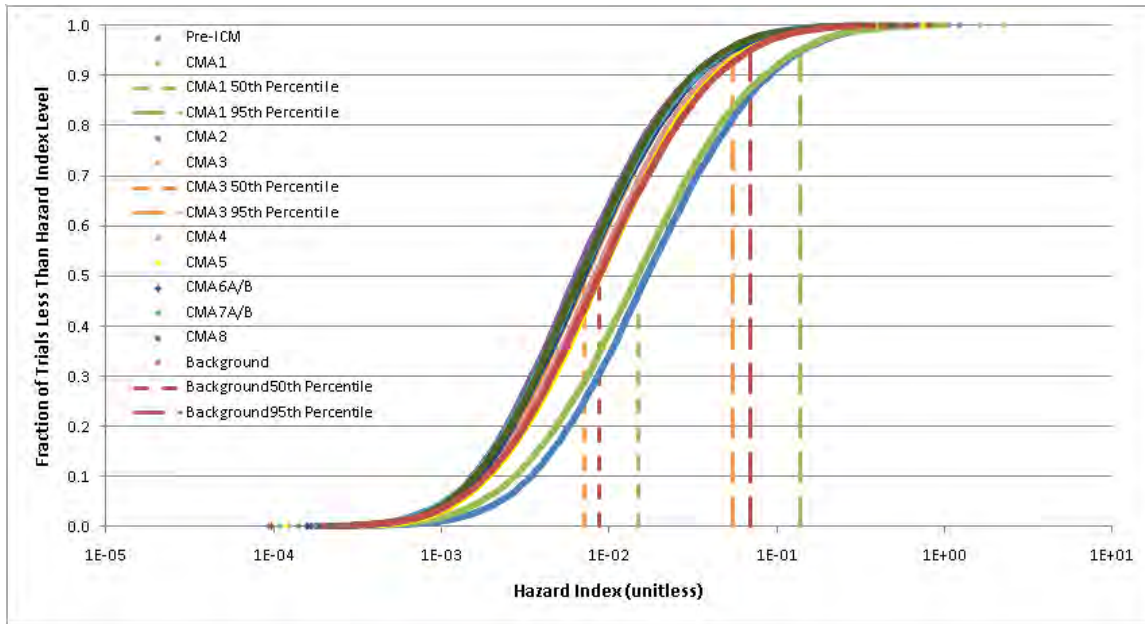


Figure 5-13a. Hazard Index Distributions for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

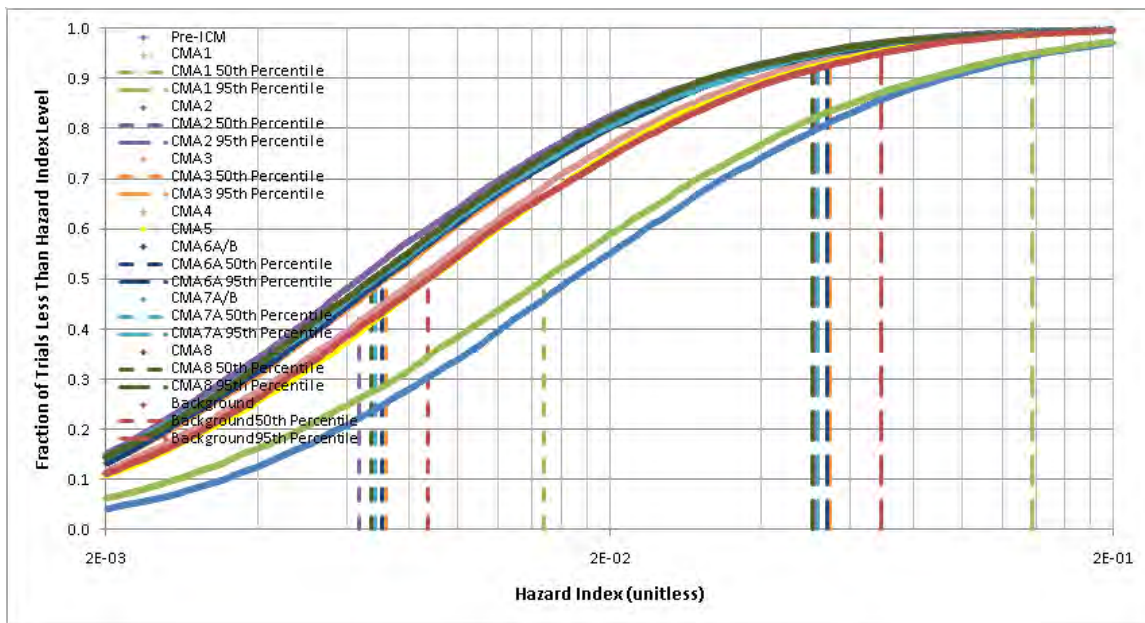


Figure 5-13b. Hazard Index Distributions for Adult plus Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

Notes:

Figure excludes data points less than 1×10^{-3} and greater than 1×10^{-1} in order to show additional detail between the 50th and 95th percentiles of the hazard index distributions associated with each CMA.

The CMA 2 95th percentile drop down is not visible because it is completely overlain by the CMA 7A/B and 8 95th percentile drop down lines.

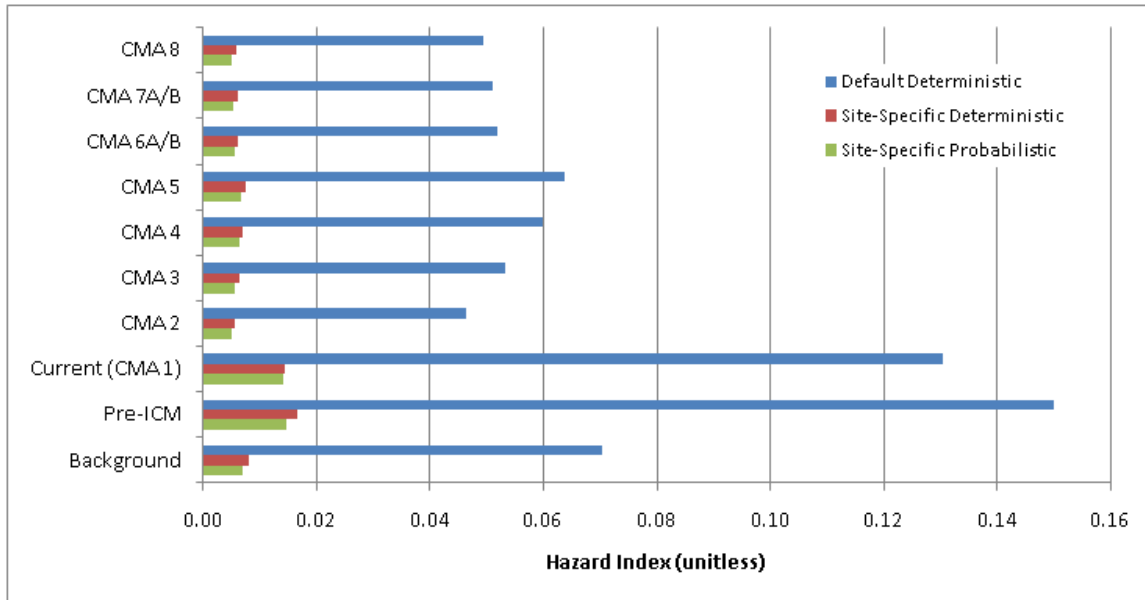


Figure 5-14. RME Hazard Indices for Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Various Risk Analysis Methods

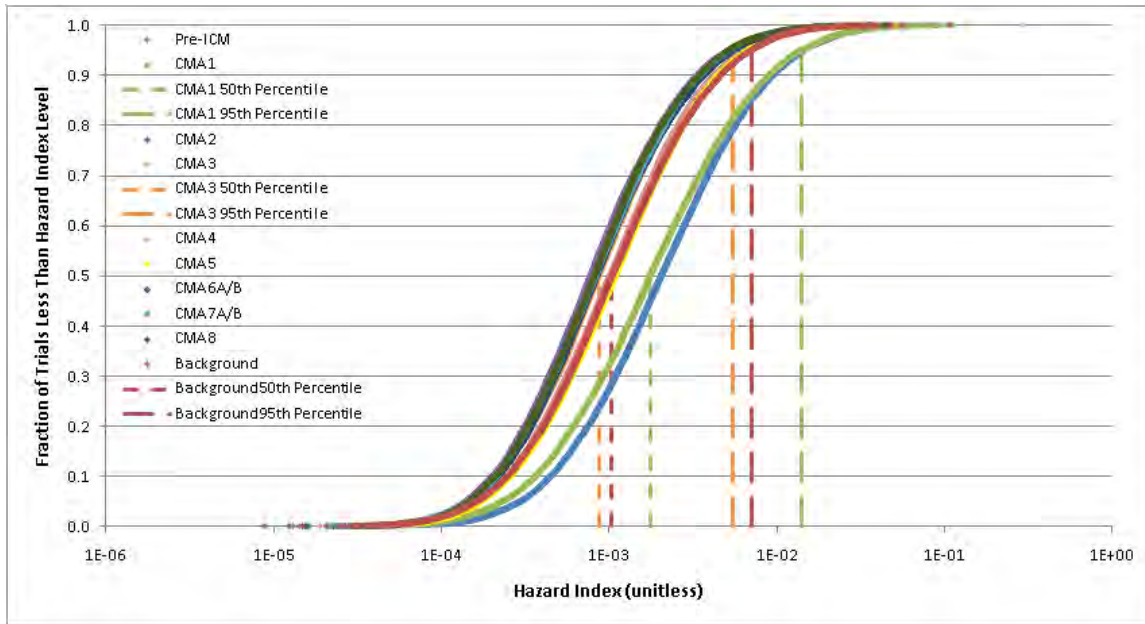


Figure 5-15a. Hazard Index Distributions for Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

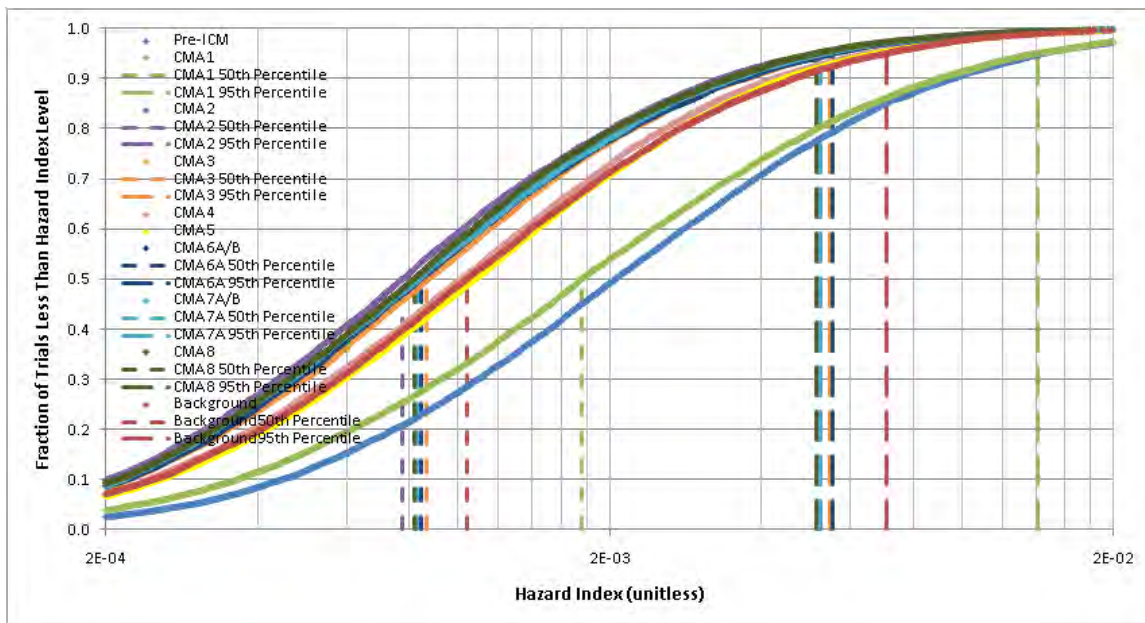


Figure 5-15b. Hazard Index Distributions for Child Resident in Culvert 105 Study Area North of the Canal, Calculated Using Probabilistic Analysis Methods

Notes:

Figure excludes data points less than 2×10^{-4} and greater than 2×10^{-2} in order to show additional detail between the 50th and 95th percentiles of the hazard index distributions associated with each CMA.

The CMA 2 95th percentile drop down is not visible because it is completely overlain by the CMA 7A/B and 8 95th percentile drop down lines.

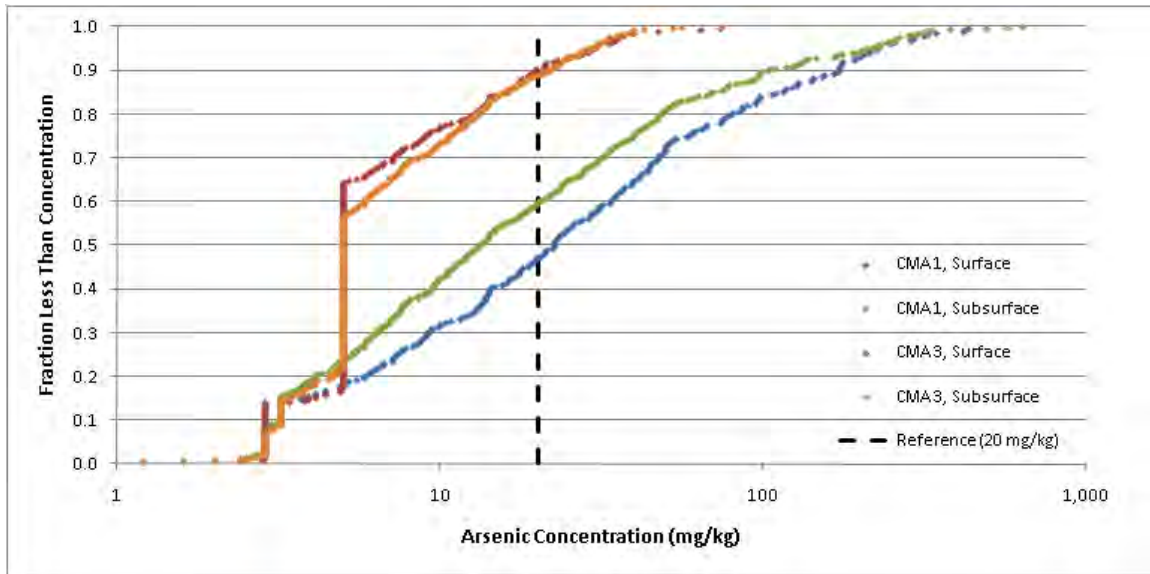


Figure 5-16. Surface/Shallow Subsurface Soil Arsenic Concentration Comparison for Culvert 105 Study Area North of the Canal

Note:

Figure excludes one current (CMA 1) surface sample data point and one current (CMA 1) subsurface sample data point less than 1 mg/kg (nondetect samples with detection limits of 0.22 mg/kg).

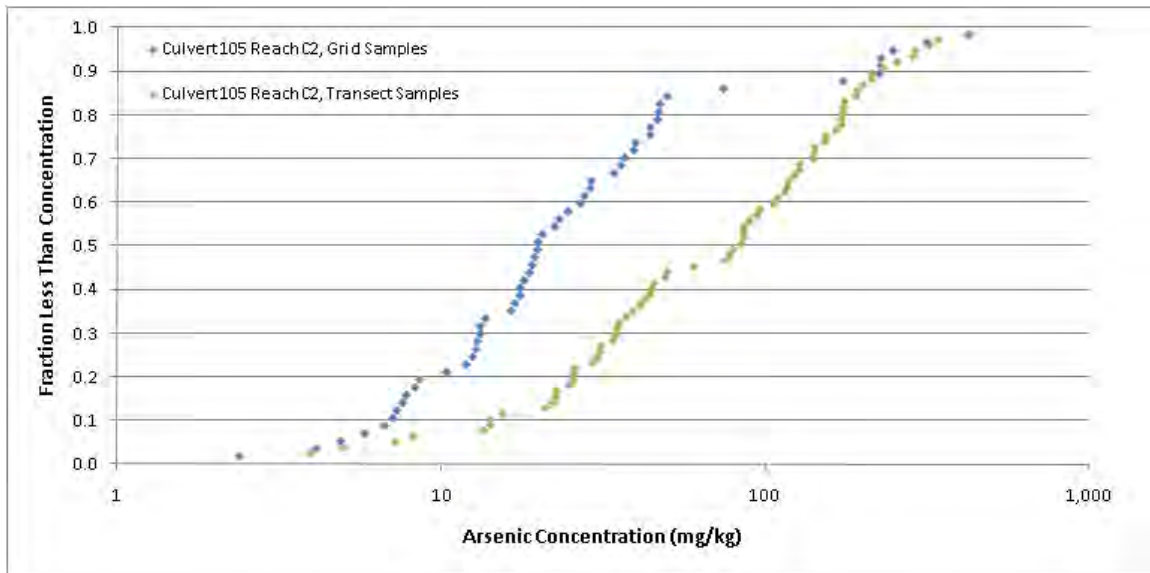


Figure 5-17. Grid versus Transect Surface Soil Sample Arsenic Concentration Comparison for Culvert 105 Study Area North of the Canal, Reach C2

Note:

Figure excludes one transect soil sample data point less than 1 mg/kg (a nondetect sample with a detection limit of 0.22 mg/kg).

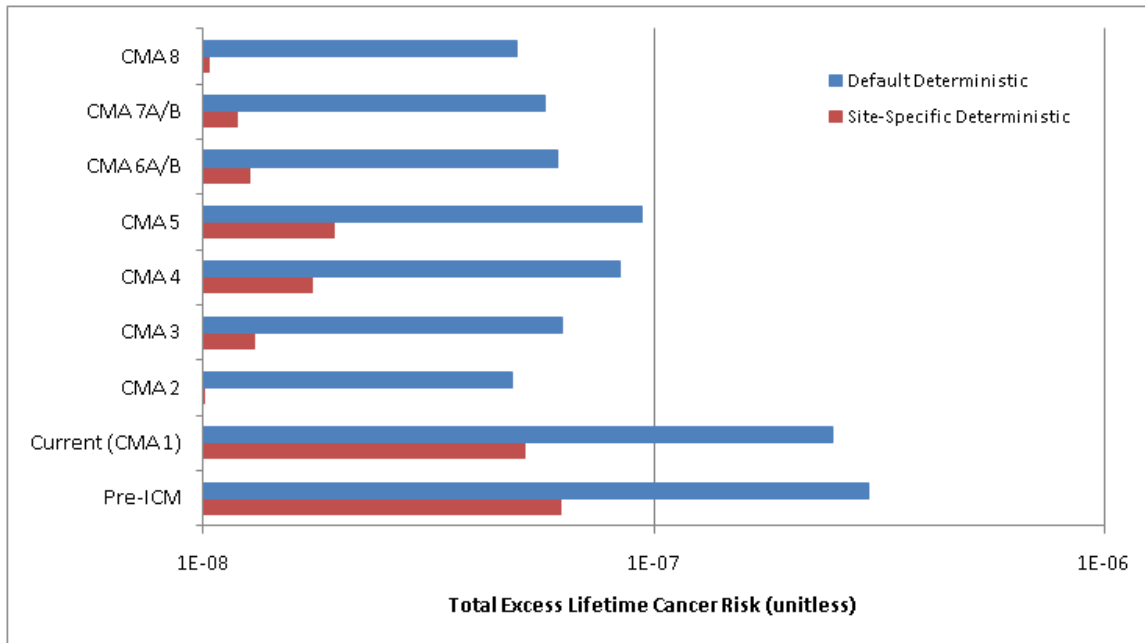


Figure 5-18. Total RME Excess Lifetime Cancer Risks for Culvert 105 Study Area Utility Worker, Calculated Using Deterministic Risk Analysis Methods

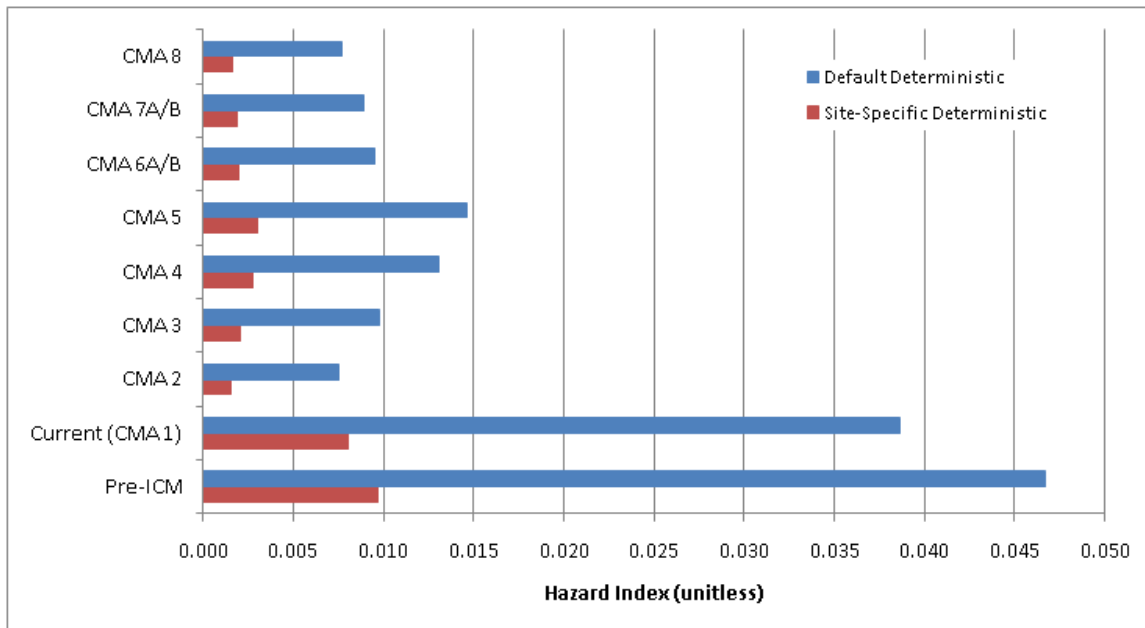


Figure 5-19. RME Hazard Indices for Culvert 105 Study Area Utility Worker, Calculated Using Deterministic Risk Analysis Methods

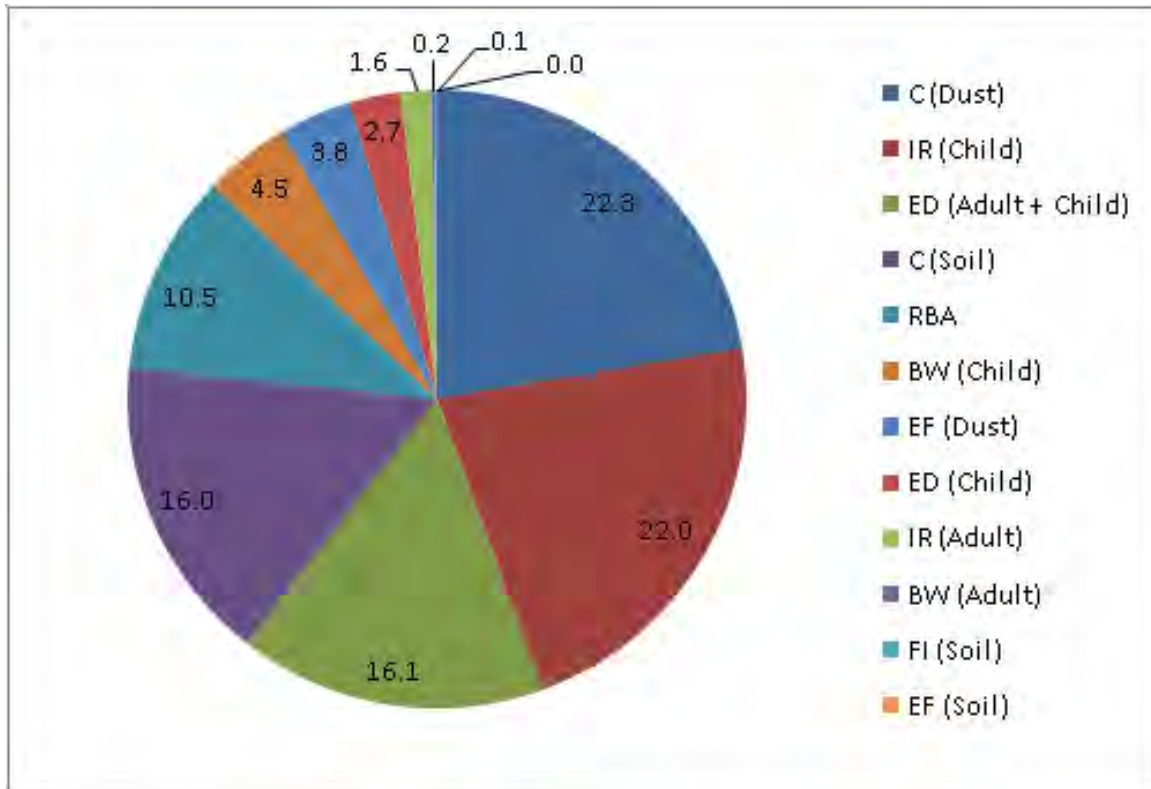


Figure 6-1. Contributions of Input Distributions to Variance of Probabilistic Output (Lifetime Average Daily Dose) for Air Deposition Study Area Residential Scenario

Notes:

BW = body weight

C = arsenic concentration

ED = exposure duration

EF = exposure frequency

FI = fractional intake

IR = ingestion rate

RBA = relative bioavailability adjustment factor

Units are percent.

Input distributions shown in the legend to the right of the figure are presented in order of decreasing contribution to variance.

Results shown are averages of 10 Crystal Ball® model runs.

Total of percentages does not equal 100 due to rounding and averaging of model runs.

Chart shows absolute magnitudes of relationships between input parameters and variance. Directional relationships are not shown.

Fractional intake of dust and averaging time parameters are not shown because they are defined as functions of other parameters.

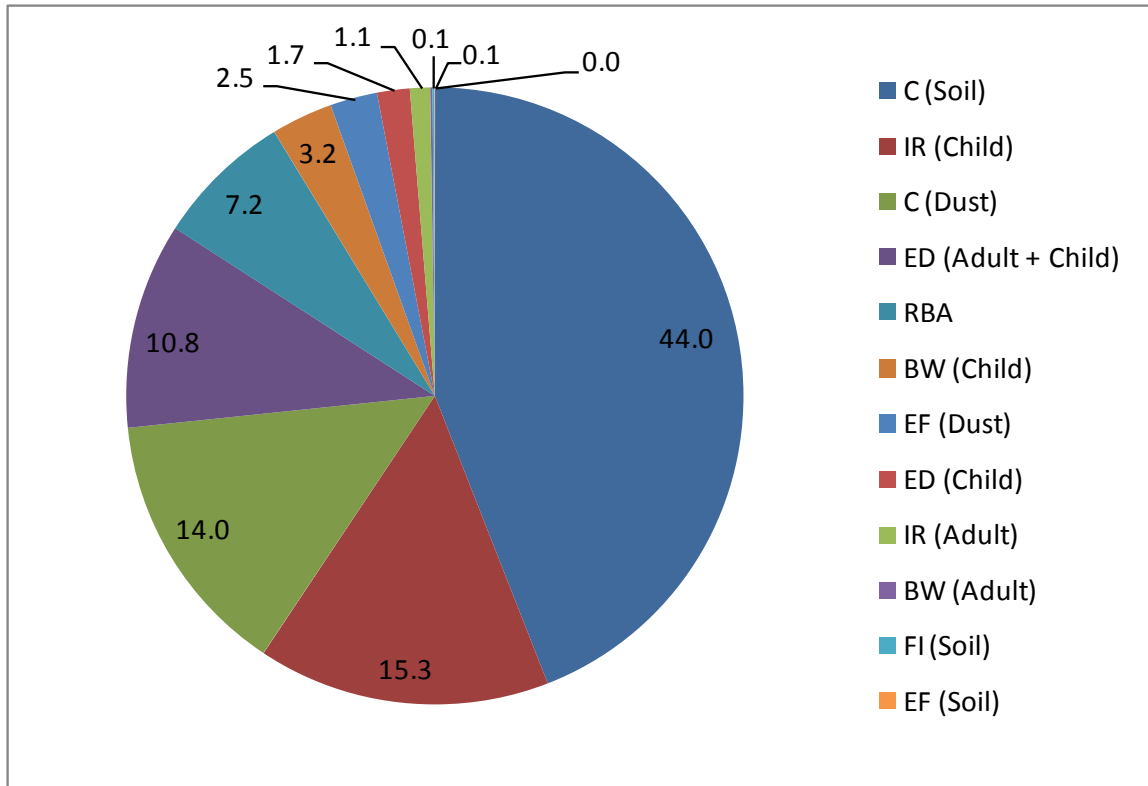


Figure 6-2. Contributions of Input Distributions to Variance of Probabilistic Output (Lifetime Average Daily Dose) for Culvert 105 Study Area North of the Canal Residential Scenario

Notes:

BW = body weight

C = arsenic concentration

ED = exposure duration

EF = exposure frequency

FI = fractional intake

IR = ingestion rate

RBA = relative bioavailability adjustment factor

Units are percent.

Input distributions shown in the legend to the right of the figure are presented in order of decreasing contribution to variance.

Results shown are averages of 10 Crystal Ball® model runs.

Total of percentages does not equal 100 due to rounding and averaging of model runs.

Chart shows absolute magnitudes of relationships between input parameters and variance. Directional relationships are not shown.

Fractional intake of dust and averaging time parameters are not shown because they are defined as functions of other parameters.

TABLES

Table 1-1. Soil Arsenic Concentration Goals for Corrective Measure Alternatives

CMA	Post-Remediation Soil Arsenic Concentration Goals ^a		Non-ICM Area of Roy-Hart School Property
	Property Average	Property Maximum	
Current (1)	Not applicable – No Further Action	Not applicable – No Further Action	No Further Action
2	Not applicable – no average value	20 mg/kg	Included
3	20 mg/kg (residential) 30 mg/kg (public/institutional) ^b 40 mg/kg (agricultural, commercial, industrial, railroad, utility) ^b	40 mg/kg (residential) 60 mg/kg (public/institutional) ^b 80 mg/kg (agricultural, commercial, industrial, railroad, utility) ^b	Institutional Controls ^c
4	30 mg/kg	60 mg/kg	No Further Action
5	40 mg/kg	80 mg/kg	No Further Action
6A	20 mg/kg (residential, public, institutional) 30 mg/kg (agricultural, commercial) ^b 40 mg/kg (industrial, railroad, utility) ^b	35 mg/kg (residential, public, institutional) 50 mg/kg (agricultural, commercial) ^b 80 mg/kg (industrial, railroad, utility) ^b	Institutional Controls ^c
6B	20 mg/kg (residential, public, institutional) 30 mg/kg (agricultural, commercial) ^b 40 mg/kg (industrial, railroad, utility) ^b	35 mg/kg (residential, public, institutional) 50 mg/kg (agricultural, commercial) ^b 80 mg/kg (industrial, railroad, utility) ^b	Included
7A	20 mg/kg (residential, public, institutional) 30 mg/kg (agricultural, commercial) ^b 40 mg/kg (industrial, railroad, utility) ^b	30 mg/kg (residential, public, institutional) 50 mg/kg (agricultural, commercial) ^b 80 mg/kg (industrial, railroad, utility) ^b	Institutional Controls ^c
7B	20 mg/kg (residential, public, institutional) 30 mg/kg (agricultural, commercial) ^b 40 mg/kg (industrial, railroad, utility) ^b	30 mg/kg (residential, public, institutional) 50 mg/kg (agricultural, commercial) ^b 80 mg/kg (industrial, railroad, utility) ^b	Included
8	20 mg/kg	30 mg/kg	Included

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

^a CMAs 3, 6A, 6B, 7A and 7B have different post-remediation soil arsenic goals for different property usages, while CMAs 1, 2, 4, 5 and 8 have goals that are applied regardless of property usage.

^b Includes use of legal mechanism; if the property use changes in the future, further evaluation, and if necessary remediation, will be performed.

^c Includes use of legal mechanism for the non-ICM area of the school property; further action to be performed if the use of the property changes to residential.

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Chlorinated Pesticides										
4,4'-DDD	µg/kg	No	No	No	No	11	8	73%	0.05 ^a	90 ^a
4,4'-DDE	µg/kg	Yes	Yes	No	No	11	9	82%	0.16 ^a	3,000
4,4'-DDT	µg/kg	No	No	No	No	11	9	82%	0.05 ^a	590
Aldrin	µg/kg	Yes	Yes	No	No	11	0	0%	0.14 ^a	40 ^a
alpha-BHC	µg/kg	No	No	No	No	11	2	18%	0.05 ^a	80 ^a
beta-BHC	µg/kg	Yes	No	No	No	11	1	9%	0.20 ^a	80 ^a
delta-BHC	µg/kg	No	No	No	No	11	0	0%	0.05 ^a	80 ^a
gamma-BHC (Lindane)	µg/kg	No	No	No	No	11	2	18%	0.05 ^a	80 ^a
alpha-Chlordane	µg/kg	No	No	No	No	4	0	0%	2.0 ^a	2.0 ^a
gamma-Chlordane	µg/kg	NV	No	NV	No	4	0	0%	2.0 ^a	2.0 ^a
Chlordane (total)	µg/kg	NV	NV	NV	NV	3	0	0%	2.0 ^a	190 ^a
Dieldrin	µg/kg	Yes	No	No	No	11	5	45%	0.08 ^a	40 ^a
Dinocap	µg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Endosulfan I	µg/kg	No	No	No	No	11	0	0%	0.05 ^a	90 ^a
Endosulfan II	µg/kg	No	No	No	No	11	0	0%	0.05 ^a	90 ^a
Endosulfan sulfate	µg/kg	No	No	No	No	9	1	11%	0.05 ^a	90 ^a
Endrin	µg/kg	No	No	No	No	9	0	0%	0.05 ^a	40 ^a
Endrin aldehyde	µg/kg	NV	No	NV	No	9	0	0%	0.38 ^a	40 ^a
Endrin ketone	µg/kg	NV	No	NV	No	4	0	0%	4.0 ^a	4.0 ^a
Heptachlor	µg/kg	No	No	No	No	9	0	0%	0.46 ^a	90 ^a
Heptachlor epoxide	µg/kg	NV	Yes	NV	No	9	0	0%	0.05 ^a	90 ^a
Isodrin	µg/kg	NV	No	NV	No	4	0	0%	4.0 ^a	4.0 ^a
Methoxychlor	µg/kg	NV	No	NV	No	7	0	0%	20 ^a	1,900 ^a
Toxaphene	µg/kg	NV	Yes	NV	No	7	0	0%	20 ^a	1,900 ^a
Metals										
Lead	mg/kg	No	No	No	NV	74	74	100%	0.4	277
Aluminum	mg/kg	NV	No	NV	No	9	9	100%	8,810	25,100
Antimony	mg/kg	No	No	NV	No	8	1	13%	1.0 ^a	20 ^a
Barium	mg/kg	No	No	No	No	9	9	100%	55	163
Beryllium	mg/kg	No	Yes	No	No	11	6	55%	0.90 ^a	4.0 ^a
Cadmium	mg/kg	Yes	No	No	No	11	0	0%	2.0 ^a	4.0 ^a
Calcium	mg/kg	No	No	NV	No	3	3	100%	3,320	5,920
Chromium	mg/kg	Yes	No	No	No	12	12	100%	13	40
Cobalt	mg/kg	No	No	No	No	9	9	100%	4.5	8.0
Copper	mg/kg	No	No	No	No	10	10	100%	13	62
Iron	mg/kg	NV	Yes	NV	No	9	9	100%	12,800	26,800

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Magnesium	mg/kg	No	No	No	No	3	3	100%	2,440	4,980
Manganese	mg/kg	No	No	No	No	9	9	100%	420	943
Mercury	mg/kg	No	No	No	No	12	9	75%	0.07	0.21
Molybdenum		NV	NV	NV	NV	6	0	0%	8.0 ^a	8.0 ^a
Nickel	mg/kg	No	No	No	No	11	11	100%	12	38
Potassium	mg/kg	No	No	No	No	3	3	100%	1,410	3,240
Selenium	mg/kg	No	No	No	No	8	2	25%	0.50 ^a	1.0 ^a
Silver	mg/kg	No	No	No	No	11	0	0%	4.0 ^a	11.0 ^a
Sodium	mg/kg	NV	NV	NV	NV	3	0	0%	900 ^a	1,000 ^a
Thallium	mg/kg	NV	Yes	NV	No	8	0	0%	2.0 ^a	10.0 ^a
Titanium	mg/kg	No	No	No	No	6	6	100%	290	466
Vanadium	mg/kg	No	No	No	No	9	9	100%	20	41
Zinc	mg/kg	No	No	No	No	11	11	100%	56	247
Phenolic Compounds										
2-Methylphenol (o-Cresol)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NV	No	NV	No	2	0	0%	0.00005 ^a	0.00005 ^a
Phenol	mg/kg	No	No	No	No	5	2	40%	0.10	0.20
Furans and Methyl Carbamates										
7-Hydroxybenzofuran	mg/kg	NV	NV	NV	NV	3	0	0%	1.0 ^a	1.0 ^a
Baygon (Propoxur)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Carbofuran	mg/kg	NV	No	NV	No	7	0	0%	1.0 ^a	10 ^a
Carbaryl (Sevin)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloroprotham	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chlorinated Herbicides										
2,4-D	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4,5-T	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Organophosphate Pesticides										
Chlorpyrifos (Dursban)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Ethion	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Diazinon	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Malathion	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Methyl parathion	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Phorate (Thimet)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Ronnel	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Ethyl parathion	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
1,1,2,2-Tetrachloroethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
1,1,2-Trichloroethane	mg/kg	NV	No	NV	No	2	0	0%	0.00003 ^a	0.00003 ^a
1,1-Dichloroethane	mg/kg	No	NV	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
1,1-Dichloroethene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
1,2,4-Trimethylbenzene	mg/kg	No	NV	No	NV	2	1	50%	0.00003 ^a	0.00026
1,2-Dichlorobenzene	mg/kg	No	No	No	No	2	0	0%	0.00005 ^a	0.00005 ^a
1,2-Dichloroethane	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
1,2-Dichloropropane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
1,3,5-Trimethylbenzene	mg/kg	No	NV	No	NV	2	1	50%	0.00003 ^a	0.00017
1,4-Dichlorobenzene	mg/kg	No	No	No	No	2	0	0%	0.00005 ^a	0.00005 ^a
2-Chloroethyl vinyl ether	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
2-Phenylbutane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
2/4-Chlorotoluene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
3-Chlorotoluene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Benzene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Butylbenzene	mg/kg	No	NV	No	NV	2	1	50%	0.00003 ^a	0.00031
Benzene, cyclopropyl-	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Benzofuran	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Bromobenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Bromodichloromethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Bromoform	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Bromomethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Carbon tetrachloride	mg/kg	No	NV	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Chlorobenzene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Chloroethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Chloroform	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Chloromethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
cis -1,3-Dichloropropene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Cymene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Dibromochloromethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Dichlorodifluoromethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Ethylbenzene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Isopropylbenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Methylene chloride	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
<i>n</i> -Propylbenzene	mg/kg	No	NV	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
<i>p</i> -Bromofluorobenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Styrene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
tert-Butylbenzene	mg/kg	No	NV	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Tetrachloroethene	mg/kg	No	No	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Toluene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
<i>trans</i> -1,2-Dichloroethene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
<i>trans</i> -1,3-Dichloropropene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Trichloroethene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Trichlorofluoromethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
Vinyl chloride	mg/kg	No	NV	No	NV	2	0	0%	0.00003 ^a	0.00003 ^a
<i>m</i> -Xylene	mg/kg	No	No	No	No	2	1	50%	0.00003 ^a	0.0008
<i>o</i> -Xylene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
<i>p</i> -Xylene	mg/kg	No	No	No	No	2	0	0%	0.00003 ^a	0.00003 ^a
Semivolatile Organic Compounds										
1,2,3-Trichlorobenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00003 ^a	0.00003 ^a
1,2,4-Trichlorobenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
1,2-Diphenylhydrazine	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
1,3-Dichlorobenzene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2,4,5-Trichlorophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2,4,6-Trichlorophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00014 ^a
2,4-Dichlorophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2,4-Dimethylphenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2,4-Dinitrophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00058 ^a
2,4-Dinitrotoluene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00006 ^a	0.00006 ^a
2,6-Dinitrotoluene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2-Chloronaphthalene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2-Chlorophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
2-Nitrophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
4-Bromophenyl-phenyl ether	mg/kg	NV	NV	NV	NV	2	0	0%	0.00002 ^a	0.00002 ^a
4-Chloro-3-methylphenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
4-Chlorophenyl-phenyl ether	mg/kg	NV	NV	NV	NV	2	0	0%	0.00016 ^a	0.00016 ^a
4-Nitrophenol	mg/kg	NV	NV	NV	NV	2	0	0%	0.00004 ^a	0.00004 ^a
Acenaphthene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Acenaphthylene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Anthracene	mg/kg	No	NV	No	NV	2	0	0%	0.00004 ^a	0.00004 ^a

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Benzidine	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00006 ^a
Benzo(a)anthracene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Benzo(a)pyrene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Benzo(b)fluoranthene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Benzo(g,h,i)perylene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Benzo(k)fluoranthene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Bis(2-chloroethoxy)methane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00018 ^a	0.00018 ^a
Bis(2-chloroethyl)ether	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Bis(2-chloroisopropyl)ether	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Bis(2-ethylhexyl)phthalate	mg/kg	NV	No	NV	No	2	0	0%	0.00005 ^a	0.00005 ^a
Butylbenzyl phthalate	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Chrysene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Di- <i>n</i> -butyl phthalate	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Di- <i>n</i> -octyl phthalate	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Dibenz(a,h)anthracene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Diethyl phthalate	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Dimethyl phthalate	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Fluoranthene	mg/kg	No	NV	No	NV	2	0	0%	0.00004 ^a	0.00004 ^a
Fluorene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Hexachlorobenzene	mg/kg	No	NV	No	NV	2	0	0%	0.00004 ^a	0.00004 ^a
Hexachlorobutadiene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Hexachlorocyclopentadiene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Hexachloroethane	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00006 ^a
Indeno(1,2,3-cd)pyrene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Isophorone	mg/kg	NV	No	NV	No	2	0	0%	0.00005 ^a	0.00005 ^a
<i>N</i> -nitrosodi- <i>n</i> -propylamine	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
<i>N</i> -nitrosodiphenylamine	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Naphthalene	mg/kg	No	No	No	No	2	2	100%	0.00012	0.00012
Nitrobenzene	mg/kg	NV	NV	NV	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Pentachlorophenol	mg/kg	No	NV	No	NV	2	0	0%	0.00014 ^a	0.00014 ^a
Phenanthrene	mg/kg	No	NV	No	NV	2	1	50%	0.00043	0.0006 ^a
Phenol	mg/kg	No	No	No	No	2	0	0%	0.00005 ^a	0.00005 ^a
Pyrene	mg/kg	No	NV	No	NV	2	0	0%	0.00005 ^a	0.00005 ^a
Miscellaneous Compounds										
Ethylenethiourea	mg/kg	NV	No	NV	No	2	1	50%	0.022 ^a	0.049
PCBs	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1016 (PCB-1016)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-1. Screening Results and Summary Statistics for the Air Deposition Study Area

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Aroclor-1221 (PCB-1221)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Total PCBs	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Notes:

NA = not applicable to this constituent

NV = no value available

SCO = soil cleanup objective

SSL = soil screening level

^a Result was reported as undetected (i.e., "U" qualified).

Table 2-2. Screening Results and Summary Statistics for the Culvert 105 Study Area North of the Canal

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Chlorinated Pesticides										
4,4'-DDD	µg/kg	No	No	No	No	19	10	53%	0.93	1,300
4,4'-DDE	µg/kg	No	No	No	No	19	18	95%	0.78	200
4,4'-DDT	µg/kg	No	No	No	No	19	16	84%	0.90	190
Aldrin	µg/kg	Yes	No	No	No	18	0	0%	2.1 ^a	20 ^a
alpha-BHC	µg/kg	No	No	No	No	18	0	0%	2.1 ^a	20 ^a
beta-BHC	µg/kg	Yes	Yes	Yes	Yes	19	2	11%	2.1 ^a	51,000
delta-BHC	µg/kg	No	No	No	No	19	1	5%	2.1 ^a	20 ^a
gamma-BHC (Lindane)	µg/kg	No	No	No	No	19	2	11%	2.1 ^a	80
alpha-Chlordane	µg/kg	No	No	No	No	18	1	6%	2.1 ^a	200 ^a
gamma-Chlordane	µg/kg	NV	No	NV	No	18	1	6%	2.1 ^a	200 ^a
Chlordane (total)	µg/kg	NV	NV	NV	NV	1	1	100%	750	750
Dieldrin	µg/kg	Yes	Yes	No	No	19	3	16%	4.0 ^a	290
Dinocap	µg/kg	NV	NV	NV	NV	2	0	0%	2,200 ^a	4,100 ^a
Endosulfan I	µg/kg	No	No	No	No	19	0	0%	2.1 ^a	20 ^a
Endosulfan II	µg/kg	No	No	No	No	18	4	22%	0.85	41 ^a
Endosulfan sulfate	µg/kg	No	No	No	No	18	0	0%	4.0 ^a	41 ^a
Endrin	µg/kg	No	No	No	No	18	1	6%	0.99	41 ^a
Endrin aldehyde	µg/kg	NV	No	NV	No	18	6	33%	1.0	41 ^a
Endrin ketone	µg/kg	NV	No	NV	No	16	0	0%	4.0 ^a	21 ^a
Heptachlor	µg/kg	No	No	No	No	18	1	6%	2.1 ^a	20 ^a
Heptachlor epoxide	µg/kg	NV	No	NV	No	18	0	0%	2.1 ^a	20 ^a
Isodrin	µg/kg	NV	No	NV	No	18	1	6%	0.81	21 ^a
Methoxychlor	µg/kg	NV	No	NV	No	18	0	0%	21 ^a	200 ^a
Toxaphene	µg/kg	NV	Yes	NV	No	18	0	0%	210 ^a	1,100 ^a
Metals										
Lead	mg/kg	Yes	Yes	No	NV	19	19	100%	19.3	492
Aluminum	mg/kg	NV	No	NV	No	2	2	100%	5,290	9,250
Antimony	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Barium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Beryllium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Cadmium	mg/kg	Yes	No	No	No	2	2	100%	1.0	2.7
Calcium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chromium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Cobalt	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Copper	mg/kg	No	No	No	No	2	2	100%	19.1	69.2
Iron	mg/kg	NV	No	NV	No	2	2	100%	9,890	16,900
Magnesium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Manganese	mg/kg	No	No	No	No	3	3	100%	388	1,160

Table 2-2. Screening Results and Summary Statistics for the Culvert 105 Study Area North of the Canal

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Mercury	mg/kg	No	No	No	No	2	1	50%	0.36	0.41 ^a
Molybdenum		NA	NA	NA	NA	0	NA	NA	NA	NA
Nickel	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Selenium	mg/kg	No	No	No	No	2	0	0%	7.0 ^a	12.5 ^a
Silver	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Sodium	mg/kg	NV	NV	NV	NV	2	0	0%	695 ^a	1,270 ^a
Thallium	mg/kg	NV	No	NV	No	2	0	0%	0.7 ^a	1.3 ^a
Titanium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Zinc	mg/kg	No	No	No	No	3	3	100%	126	660
Phenolic Compounds										
2-Methylphenol (o-Cresol)	mg/kg	No	No	No	No	2	0	0%	2.3 ^a	8.4 ^a
4,6-Dinitro-2-methylphenol	mg/kg	NV	Yes	NV	No	2	0	0%	11 ^a	41 ^a
Phenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Furans and Methyl Carbamates										
7-Hydroxybenzofuran	µg/kg	NV	NV	NV	NV	3	0	0%	2,500 ^a	46,000 ^a
Baygon (Propoxur)	µg/kg	NV	No	NV	No	3	0	0%	1,300 ^a	18,000 ^a
Carbofuran	µg/kg	NV	No	NV	No	3	0	0%	1,300 ^a	18,000 ^a
Carbaryl (Sevin)	µg/kg	NV	No	NV	No	3	0	0%	640 ^a	9,200 ^a
Chloropropham	µg/kg	NV	No	NV	No	3	0	0%	660 ^a	9,200 ^a
Chlorinated Herbicides										
2,4-D	µg/kg	NV	No	NV	No	2	0	0%	21 ^a	25 ^a
2,4,5-T	µg/kg	NV	No	NV	No	2	0	0%	4.2 ^a	5.1 ^a
Dinoseb	µg/kg	NV	No	NV	No	2	0	0%	10 ^a	13 ^a
Organophosphate Pesticides										
Chlorpyrifos (Dursban)	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Ethion	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Diazinon	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Malathion	µg/kg	NV	No	NV	No	2	0	0%	250 ^a	880 ^a
Methyl parathion	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Phorate (Thimet)	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Ronnel	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Ethyl parathion	µg/kg	NV	No	NV	No	2	0	0%	170 ^a	250 ^a
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-2. Screening Results and Summary Statistics for the Culvert 105 Study Area North of the Canal

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
1,1-Dichloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chloroethyl vinyl ether	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Phenylbutane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2/4-Chlorotoluene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
3-Chlorotoluene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Butylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzene, cyclopropyl-	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzofuran	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromodichloromethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromoform	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromomethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloroform	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloromethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
cis -1,3-Dichloropropene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Cymene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Dibromochloromethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Ethylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Isopropylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Methylene chloride	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
n -Propylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
p -Bromofluorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Styrene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
tert-Butylbenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Tetrachloroethene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Toluene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
trans -1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
trans -1,3-Dichloropropene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Trichloroethene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-2. Screening Results and Summary Statistics for the Culvert 105 Study Area North of the Canal

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Trichlorofluoromethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Vinyl chloride	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>m</i> -Xylene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>o</i> -Xylene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>p</i> -Xylene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Semivolatile Organic Compounds										
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Diphenylhydrazine	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Bromophenyl-phenyl ether	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Chlorophenyl-phenyl ether	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Acenaphthene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Acenaphthylene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Anthracene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzidine	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Butylbenzyl phthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Chrysene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Di- <i>n</i> -butylphthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Di- <i>n</i> -octyl phthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-2. Screening Results and Summary Statistics for the Culvert 105 Study Area North of the Canal

Constituent	Units	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Dibenz(a,h)anthracene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Fluoranthene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Fluorene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Isophorone	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
N-nitrosodi-n-propylamine	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
N-nitrosodiphenylamine	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Naphthalene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Pentachlorophenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Phenanthrene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Phenol	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Pyrene	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Miscellaneous Compounds										
Ethylenethiourea	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
PCBs	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1016 (PCB-1016)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA
Total PCBs	mg/kg	NA	NA	NA	NA	0	NA	NA	NA	NA

Notes:

NA = not applicable to this constituent

NV = no value available

^a Result was reported as undetected (i.e., "U" qualified).

SCO = soil cleanup objective

SSL = soil screening level

Table 2-3. Screening Results and Summary Statistics for Culvert 105 Study Area Subsurface Soils

Constituent	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Chlorinated Pesticides									
4,4'-DDD	No	No	No	No	61	16	26%	0.34	1,900
4,4'-DDE	No	No	No	No	61	31	51%	0.34	730
4,4'-DDT	No	No	No	No	61	27	44%	0.51	810
Aldrin	Yes	Yes	No	No	61	0	0%	1.7 ^a	83 ^a
alpha-BHC	No	No	No	No	61	1	2%	1.7 ^a	83 ^a
beta-BHC	Yes	No	No	No	56	2	4%	1.9 ^a	83 ^a
delta-BHC	No	No	No	No	61	1	2%	1.7 ^a	83 ^a
gamma-BHC (Lindane)	No	No	No	No	61	0	0%	1.7 ^a	180 ^a
alpha-Chlordane	No	Yes	No	No	61	8	13%	1.7	830 ^a
gamma-Chlordane	NV	Yes	NV	No	61	6	10%	1.7	830 ^a
Chlordane (total)	NA	NA	NA	NA	0	NA	NA	NA	NA
Dieldrin	Yes	Yes	No	No	61	7	11%	0.77	240
Dinocap	NV	NV	NV	NV	2	0	0%	3,600 ^a	17,000 ^a
Endosulfan I	No	No	No	No	61	0	0%	1.7 ^a	83 ^a
Endosulfan II	No	No	No	No	61	5	8%	0.29	170 ^a
Endosulfan sulfate	No	No	No	No	61	0	0%	3.3 ^a	170 ^a
Endrin	No	No	No	No	61	2	3%	0.59	170 ^a
Endrin aldehyde	NV	No	NV	No	61	3	5%	0.67	170 ^a
Endrin ketone	NV	No	NV	No	59	0	0%	3.3 ^a	85 ^a
Heptachlor	No	No	No	No	61	0	0%	1.7 ^a	83 ^a
Heptachlor epoxide	NV	Yes	NV	No	61	3	5%	1.7 ^a	83 ^a
Isodrin	NV	Yes	NV	No	55	0	0%	3.7 ^a	85 ^a
Methoxychlor	NV	No	NV	No	61	0	0%	17 ^a	830 ^a
Toxaphene	NV	Yes	NV	No	61	0	0%	170 ^a	4,400 ^a
Metals									
Lead	Yes	Yes	No	NV	62	61	98%	2.6	541
Aluminum	NV	No	NV	No	2	2	100%	10,500	13,600
Antimony	NA	NA	NA	NA	0	NA	NA	NA	NA
Barium	NA	NA	NA	NA	0	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	0	NA	NA	NA	NA
Cadmium	No	No	No	No	2	2	100%	1.2	1.9
Calcium	NA	NA	NA	NA	0	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	0	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	0	NA	NA	NA	NA
Copper	No	No	No	No	2	2	100%	9.6	232
Iron	NV	Yes	NV	No	2	2	100%	25,400	29,700
Magnesium	NA	NA	NA	NA	0	NA	NA	NA	NA
Manganese	No	No	No	No	2	2	100%	804	1,080

Table 2-3. Screening Results and Summary Statistics for Culvert 105 Study Area Subsurface Soils

Constituent	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Mercury	No	No	No	No	2	1	50%	0.11 ^a	0.41
Molybdenum	NA	NA	NA	NA	0	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	0	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	0	NA	NA	NA	NA
Selenium	No	No	No	No	2	0	0%	0.56 ^a	2.1 ^a
Silver	NA	NA	NA	NA	0	NA	NA	NA	NA
Sodium	NV	NV	NV	NV	2	0	0%	564 ^a	1,040 ^a
Thallium	NV	No	NV	No	2	0	0%	1.1 ^a	4.2 ^a
Titanium	NA	NA	NA	NA	0	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	0	NA	NA	NA	NA
Zinc	No	No	No	No	2	2	100%	141	575
Phenolic Compounds									
2-Methylphenol (o-Cresol)	No	No	No	No	2	0	0%	0.37 ^a	3.4 ^a
4,6-Dinitro-2-methylphenol	NV	Yes	NV	No	2	0	0%	17 ^a	17 ^a
Phenol	NA	NA	NA	NA	0	NA	NA	NA	NA
Furans and Methyl Carbamates									
7-Hydroxybenzofuran	NV	NV	NV	NV	2	0	0%	2,300 ^a	4,200 ^a
Baygon (Propoxur)	NV	No	NV	No	2	0	0%	1,100 ^a	2,100 ^a
Carbofuran	NV	No	NV	No	2	0	0%	1,100 ^a	17,000 ^a
Carbaryl (Sevin)	NV	No	NV	No	2	0	0%	560 ^a	8,300 ^a
Chloroprotham	NV	No	NV	No	2	0	0%	560 ^a	8,300 ^a
Chlorinated Herbicides									
2,4-D	NV	No	NV	No	2	0	0%	21 ^a	21 ^a
2,4,5-T	NV	No	NV	No	2	0	0%	4.2 ^a	4.2 ^a
Dinoseb	NV	No	NV	No	2	0	0%	10 ^a	10 ^a
Organophosphate Pesticides									
Chlorpyrifos (Dursban)	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Ethion	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Diazinon	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Malathion	NV	No	NV	No	2	0	0%	880 ^a	880 ^a
Methyl parathion	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Phorate (Thimet)	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Ronnel	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Ethyl parathion	NV	No	NV	No	2	0	0%	170 ^a	170 ^a
Volatile Organic Compounds									
1,1,1-Trichloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-3. Screening Results and Summary Statistics for Culvert 105 Study Area Subsurface Soils

Constituent	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
1,1-Dichloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	0	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Phenylbutane	NA	NA	NA	NA	0	NA	NA	NA	NA
2/4-Chlorotoluene	NA	NA	NA	NA	0	NA	NA	NA	NA
3-Chlorotoluene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Butylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzene, cyclopropyl-	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzofuran	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	0	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	0	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	0	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	0	NA	NA	NA	NA
cis -1,3-Dichloropropene	NA	NA	NA	NA	0	NA	NA	NA	NA
Cymene	NA	NA	NA	NA	0	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	0	NA	NA	NA	NA
n -Propylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
p -Bromofluorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	0	NA	NA	NA	NA
tert -Butylbenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	0	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	0	NA	NA	NA	NA
trans -1,2-Dichloroethene	NA	NA	NA	NA	0	NA	NA	NA	NA
trans -1,3-Dichloropropene	NA	NA	NA	NA	0	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-3. Screening Results and Summary Statistics for Culvert 105 Study Area Subsurface Soils

Constituent	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Trichlorofluoromethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>m</i> -Xylene	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>o</i> -Xylene	NA	NA	NA	NA	0	NA	NA	NA	NA
<i>p</i> -Xylene	NA	NA	NA	NA	0	NA	NA	NA	NA
Semivolatile Organic Compounds									
1,2,3-Trichlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	0	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	0	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Bromophenyl-phenyl ether	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Chlorophenyl-phenyl ether	NA	NA	NA	NA	0	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	0	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	0	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	0	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroethyl)ether	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	0	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	0	NA	NA	NA	NA
Butylbenzyl phthalate	NA	NA	NA	NA	0	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	0	NA	NA	NA	NA
Di- <i>n</i> -butylphthalate	NA	NA	NA	NA	0	NA	NA	NA	NA
Di- <i>n</i> -octyl phthalate	NA	NA	NA	NA	0	NA	NA	NA	NA

Table 2-3. Screening Results and Summary Statistics for Culvert 105 Study Area Subsurface Soils

Constituent	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SCO?	Exceeds Industrial SSL?	Total Number of Results	Number Detected	Frequency of Detection	Minimum Result	Maximum Result
Dibenz(a,h)anthracene	NA	NA	NA	NA	0	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	0	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	0	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	0	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	0	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	0	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	0	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	0	NA	NA	NA	NA
N-nitrosodi-n-propylamine	NA	NA	NA	NA	0	NA	NA	NA	NA
N-nitrosodiphenylamine	NA	NA	NA	NA	0	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	0	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	0	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	0	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	0	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	0	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	0	NA	NA	NA	NA
Miscellaneous Compounds									
Ethylenethiourea	NA	NA	NA	NA	0	NA	NA	NA	NA
PCBs	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	0	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	0	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	0	NA	NA	NA	NA

Notes:

NA = not applicable to this constituent

NV = no value available

SCO = soil cleanup objective

SSL = soil screening level

^a Result was reported as undetected (i.e., "U" qualified).

Table 2-4. Summary of Available Residential and Industrial Screening Values

Constituent	Units	Residential SCO ^b	Residential SSL ^c	Values Used to Derive Residential SSL ^a					Values Used to Derive Industrial SSL ^a		
				Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration	Industrial SCO ^b	Industrial SSL ^c	Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration
Chlorinated Pesticides											
4,4'-DDD	µg/kg	2,600	2,670	2,670	NV	2,610,000	180,000	238,000	238,000	NV	2,610,000
4,4'-DDE	µg/kg	1,800	1,880	1,880	NV	15,600,000	120,000	168,000	168,000	NV	15,600,000
4,4'-DDT	µg/kg	1,700	1,880	1,880	1,700,000	1,910,000	94,000	168,000	168,000	28,500,000	1,910,000
Aldrin	µg/kg	19	37.7	37.7	7,730	12,800,000	1,400	3,370	3,370	130,000	12,800,000
alpha-BHC	µg/kg	97	102	102	1,690	71,500	6,800	9,080	9,080	28,400	71,500
beta-BHC	µg/kg	72	356	356	14,000	8,790	14,000	8,790	31,800	235,000	8,790
delta-BHC	µg/kg	100,000	102	102	NV	NA	1,000,000	9,080	9,080	NV	NA
gamma-BHC (Lindane)	µg/kg	280	493	493	NV	212,000	23,000	44,000	44,000	NV	212,000
alpha-Chlordane	µg/kg	910	493	493	44,100	195,000	47,000	44,000	44,000	741,000	195,000
gamma-Chlordane	µg/kg	NV	493	493	44,100	195,000	NV	44,000	44,000	741,000	195,000
Chlordane (total)	µg/kg	NV	NV	493	44,100	195,000	NV	NV	44,000	741,000	195,000
Dieldrin	µg/kg	39	40	40	2,560	121,000	2,800	3,580	3,580	43,000	121,000
Dinocap	µg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Endosulfan I	µg/kg	4,800	31,700	469,000	NV	31,700	920,000	31,700	12,300,000	NV	31,700
Endosulfan II	µg/kg	4,800	31,700	469,000	NV	31,700	920,000	31,700	12,300,000	NV	31,700
Endosulfan sulfate	µg/kg	4,800	31,700	469,000	NV	31,700	920,000	31,700	12,300,000	NV	31,700
Endrin	µg/kg	2,200	23,500	23,500	NV	89,200	410,000	89,200	613,000	NV	89,200
Endrin aldehyde	µg/kg	NV	23,500	23,500	NV	89,200	NV	89,200	613,000	NV	89,200
Endrin ketone	µg/kg	NV	23,500	23,500	NV	89,200	NV	89,200	613,000	NV	89,200
Heptachlor	µg/kg	420	142	142	258	7,360,000	29,000	4,330	12,700	4,330	7,360,000
Heptachlor epoxide	µg/kg	NV	70.4	70.4	10,700	483,000	NV	6,290	6,290	181,000	483,000
Isodrin	µg/kg	NV	38.0	38.0	7,700	NA	NV	3,400	3,400	130,000	NA
Methoxychlor	µg/kg	NV	128,000	391,000	NV	128,000	NV	128,000	10,200,000	NV	128,000
Toxaphene	µg/kg	NV	582	582	202,000	5,520,000	NV	52,000	52,000	3,390,000	5,520,000
Metals											
Lead	mg/kg	400	400	400	NV	NA	3,900	NV	NV	NV	NA
Aluminum	mg/kg	NV	78,000	78,000	NV	NA	NV	1,000,000	1,000,000	NV	NA
Antimony	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Barium	mg/kg	350	5,500	5,500	690,000	NA	10,000	140,000	140,000	960,000	NA
Beryllium	mg/kg	14	0.15	0.15	1,300	NA	2,700	13	13	22,000	NA
Cadmium	mg/kg	2.5	78.2	78.2	1,780	NA	60	2,040	2,040	30,000	NA
Calcium	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Chromium	mg/kg	36	270	390	270	NA	6,800	4,500	10,000	4,500	NA
Cobalt	mg/kg	NV	4,700	4,700	NV	NA	NV	120,000	120,000	NV	NA
Copper	mg/kg	270	2,890	2,890	48,200,000	NA	10,000	75,600	75,600	67,500,000	NA
Iron	mg/kg	NV	23,000	23,000	NV	NA	NV	610,000	610,000	NV	NA
Magnesium	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Manganese	mg/kg	2,000	1,800	1,800	69,000	NA	10,000	47,000	47,000	96,000	NA
Mercury	mg/kg	0.81	10.5	23.5	10.5	NA	5.7	14.7	613	14.7	NA
Molybdenum	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Nickel	mg/kg	140	1,600	1,600	NV	NA	10,000	41,000	41,000	NV	NA
Potassium	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA

Table 2-4. Summary of Available Residential and Industrial Screening Values

Constituent	Units	Residential SCO ^b	Residential SSL ^c	Values Used to Derive Residential SSL ^a			Industrial SCO ^b	Industrial SSL ^c	Values Used to Derive Industrial SSL ^a		
				Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration			Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration
Selenium	mg/kg	36	391	391	NV	NA	6,800	10,200	10,200	NV	NA
Silver	mg/kg	36	NV	NV	NV	NA	6,800	NV	NV	NV	NA
Sodium	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Thallium	mg/kg	NV	5.48	5.48	NV	NA	NV	143	143	NV	NA
Titanium	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Vanadium	mg/kg	NV	550	550	NV	NA	NV	NV	NV	NV	NA
Zinc	mg/kg	2,200	23,500	23,500	48,200,000	NA	10,000	613,000	613,000	67,500,000	NA
Phenolic Compounds											
2-Methylphenol (o-Cresol)	mg/kg	100	3,910	3,910	NV	71,400	1,000	71,400	102,000	NV	71,400
4,6-Dinitro-2-methylphenol	mg/kg	NV	7.8	7.8	NV	NA	NV	200	200	NV	NA
Phenol	mg/kg	100	33,600	46,900	33,600	77,400	1,000	47,000	1,230,000	47,000	77,400
Furans and Methyl Carbamates											
7-Hydroxybenzofuran	mg/kg	NV	NV	NV	NV	NA	NV	NV	NV	NV	NA
Baygon (propoxur)	mg/kg	NV	313	313	NV	NA	NV	8,180	8,180	NV	NA
Carbofuran	mg/kg	NV	391	391	NV	NA	NV	10,200	10,200	NV	NA
Carbaryl (Sevin)	mg/kg	NV	7,820	7,820	NV	NA	NV	204,000	204,000	NV	NA
Chloropropham	mg/kg	NV	15,600	15,600	NV	NA	NV	409,000	409,000	NV	NA
Chlorinated Herbicides											
2,4-D	mg/kg	NV	782	782	NV	NA	NV	20,400	20,400	NV	NA
2,4,5-T	mg/kg	NV	782	782	NV	NA	NV	20,400	20,400	NV	NA
Dinoseb	mg/kg	NV	78.2	78.2	NV	NA	NV	2,040	2,040	NV	NA
Organophosphate Pesticides											
Chlorpyrifos (Dursban)	mg/kg	NV	235	235	NV	NA	NV	6,130	6,130	NV	NA
Ethion	mg/kg	NV	39.1	39.1	NV	NA	NV	1,020	1,020	NV	NA
Diazinon	mg/kg	NV	70.4	70.4	NV	NA	NV	1,840	1,840	NV	NA
Malathion	mg/kg	NV	1,560	1,560	NV	NA	NV	40,900	40,900	NV	NA
Methyl Parathion	mg/kg	NV	19.6	19.6	NV	NA	NV	511	511	NV	NA
Phorate (Thimet)	mg/kg	NV	15.6	15.6	NV	NA	NV	409	409	NV	NA
Ronnel	mg/kg	NV	3,910	3,910	NV	NA	NV	102,000	102,000	NV	NA
Ethyl parathion	mg/kg	NV	469	469	NV	NA	NV	12,300	12,300	NV	NA
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/kg	100	4,550	NV	4,590	4,550	1,000	4,550	NV	6420	4,550
1,1,2,2-Tetrachloroethane	mg/kg	NV	NV				NV	NV			
1,1,2-Trichloroethane	mg/kg	NV	1.96	11.2	1.96	6,890	NV	32.9	1,000	32.9	6,890
1,1-Dichloroethane	mg/kg	19	NV				480	NV			
1,1-Dichloroethene	mg/kg	100	0.124	1.07	0.124	4,520	1,000	2.08	95.4	2.08	4,520
1,2,4-Trimethylbenzene	mg/kg	47	NV	NV	NV	NV	380	NV	NV	NV	NV
1,2-Dichlorobenzene	mg/kg	100	560	560	7,000	560	1,000	560	NV	NV	560
1,2-Dichloroethane	mg/kg	2.3	0.632	7.04	0.632	5,210	60.0	10.6	629	10.6	5,210
1,2-Dichloropropane	mg/kg	NV	NV				NV	NV			
1,3,5-Trimethylbenzene	mg/kg	47	NV	NV	NV	NV	380	NV	NV	NV	NV
1,4-Dichlorobenzene	mg/kg	9.8	26.7	26.7	23,900	1,330	250	1,330	2,380	33,400	1,330
2-Chloroethyl vinyl ether	mg/kg	NV	NV				NV	NV			

Table 2-4. Summary of Available Residential and Industrial Screening Values

Constituent	Units	Residential SCO ^b	Residential SSL ^c	Values Used to Derive Residential SSL ^a			Industrial SCO ^b	Industrial SSL ^c	Values Used to Derive Industrial SSL ^a		
				Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration			Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration
2-Phenylbutane	mg/kg	NV	NV				NV	NV			
2/4-Chlorotoluene	mg/kg	NV	NV				NV	NV			
3-Chlorotoluene	mg/kg	NV	NV				NV	NV			
Benzene	mg/kg	2.9	1.57	22.1	1.57	3,240	89.0	26.4	1970	26.4	3240
Butyl-benzene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Benzene, cyclopropyl-	mg/kg	NV	NV				NV	NV			
Benzoofuran	mg/kg	NV	NV				NV	NV			
Bromobenzene	mg/kg	NV	NV				NV	NV			
Bromodichloromethane	mg/kg	NV	NV				NV	NV			
Bromoform	mg/kg	NV	NV				NV	NV			
Bromomethane	mg/kg	NV	NV				NV	NV			
Carbon tetrachloride	mg/kg	1.4	NV				44.0	NV			
Chlorobenzene	mg/kg	100	281	1,560	281	3,060	1,000	393	40,900	393	3,060
Chloroethane	mg/kg	NV	NV				NV	NV			
Chloroform	mg/kg	10	0.532	105	0.532	10,200	700	8.95	9,380	8.95	10,200
Chloromethane	mg/kg	NV	NV				NV	NV			
cis -1,3-Dichloropropene	mg/kg	NV	NV				NV	NV			
Cymene	mg/kg	NV	NV				NV	NV			
Dibromochloromethane	mg/kg	NV	NV				NV	NV			
Dichlorodifluoromethane	mg/kg	NV	NV				NV	NV			
Ethylbenzene	mg/kg	30	1810	7,820	12,200	1,810	780	1810	204,000	17,100	1,810
Isopropylbenzene	mg/kg	NV	NV				NV	NV			
Methylene chloride	mg/kg	51	20.4	85.4	20.4	5930	1,000	343	7,630	343	5,930
n -Propylbenzene	mg/kg	100	NV				1,000	NV			
p -Bromofluorobenzene	mg/kg	NV	NV				NV	NV			
Styrene	mg/kg	NV	NV				NV	NV			
tert-Butylbenzene	mg/kg	100	NV				1,000	NV			
Tetrachloroethene	mg/kg	5.5	1.10	1.10	1.20	NV	300	NV	NV	NV	NV
Toluene	mg/kg	100	2,830	15,600	114,000	2,830	1,000	2,830	409,000	159,000	2,830
trans -1,2-Dichloroethene	mg/kg	100	1,600	3,100	1,600	3,100	1,000	3100	NV	NV	3,100
trans -1,3-Dichloropropene	mg/kg	NV	NV				NV	NV			
Trichloroethene	mg/kg	10	9.77	58.2	9.77	5,490	400	164	5200	164	5,490
Trichlorofluoromethane	mg/kg	NV	NV				NV	NV			
Vinyl chloride	mg/kg	0.21	NV				27.0	NV			
m -Xylene	mg/kg	100	420	420	160,000	420	1,000	420	NV	NV	420
o -Xylene	mg/kg	100	410	410	160,000	410	1,000	410	NV	NV	410
p -Xylene	mg/kg	100	460	460	160,000	460	1,000	460	NV	NV	460
Semivolatile Organic Compounds											
1,2,3-Trichlorobenzene	mg/kg	NV	NV				NV	NV			
1,2,4-Trichlorobenzene	mg/kg	NV	NV				NV	NV			
1,2-Diphenylhydrazine	mg/kg	NV	NV				NV	NV			
1,3-Dichlorobenzene	mg/kg	17	NV				560	NV			
2,4,5-Trichlorophenol	mg/kg	NV	NV				NV	NV			

Table 2-4. Summary of Available Residential and Industrial Screening Values

Constituent	Units	Residential SCO ^b	Residential SSL ^c	Values Used to Derive Residential SSL ^a			Industrial SCO ^b	Industrial SSL ^c	Values Used to Derive Industrial SSL ^a		
				Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration			Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration
2,4,6-Trichlorophenol	mg/kg	NV	NV				NV	NV			
2,4-Dichlorophenol	mg/kg	NV	NV				NV	NV			
2,4-Dimethylphenol	mg/kg	NV	NV				NV	NV			
2,4-Dinitrophenol	mg/kg	NV	NV				NV	NV			
2,4-Dinitrotoluene	mg/kg	NV	NV				NV	NV			
2,6-Dinitrotoluene	mg/kg	NV	NV				NV	NV			
2-Chloronaphthalene	mg/kg	NV	NV				NV	NV			
2-Chlorophenol	mg/kg	NV	NV				NV	NV			
2-Nitrophenol	mg/kg	NV	NV				NV	NV			
4-Bromophenyl-phenyl ether	mg/kg	NV	NV				NV	NV			
4-Chloro-3-methylphenol	mg/kg	NV	NV				NV	NV			
4-Chlorophenyl-phenyl ether	mg/kg	NV	NV				NV	NV			
4-Nitrophenol	mg/kg	NV	NV				NV	NV			
Acenaphthene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Acenaphthylene	mg/kg	100	NV				1,000	NV			
Anthracene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Benzidine	mg/kg	NV	NV				NV	NV			
Benzo(a)anthracene	mg/kg	1	NV				11	NV			
Benzo(a)pyrene	mg/kg	1	NV				1.1	NV			
Benzo(b)fluoranthene	mg/kg	1	NV				11	NV			
Benzo(g,h,i)perylene	mg/kg	100	NV				1,000	NV			
Benzo(k)fluoranthene	mg/kg	1	NV				110	NV			
Bis(2-chloroethoxy)methane	mg/kg	NV	NV				NV	NV			
Bis(2-chloroethyl)ether	mg/kg	NV	NV				NV	NV			
Bis(2-chloroisopropyl)ether	mg/kg	NV	NV				NV	NV			
Bis(2-ethylhexyl)phthalate	mg/kg	NV	45.7	45.7	NV	149,000	NV	4,090	4,090	NV	149,000
Butyl benzyl phthalate	mg/kg	NV	NV				NV	NV			
Chrysene	mg/kg	1	NV				110	NV			
Di-n-butyl phthalate	mg/kg	NV	NV				NV	NV			
Di-n-octyl phthalate	mg/kg	NV	NV				NV	NV			
Dibenz(a,h)anthracene	mg/kg	0.33	NV				1.1	NV			
Diethyl phthalate	mg/kg	NV	NV				NV	NV			
Dimethyl phthalate	mg/kg	NV	NV				NV	NV			
Fluoranthene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Fluorene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Hexachlorobenzene	mg/kg	0.33	NV				12	NV			
Hexachlorobutadiene	mg/kg	NV	NV				NV	NV			
Hexachlorocyclopentadiene	mg/kg	NV	NV				NV	NV			
Hexachloroethane	mg/kg	NV	NV				NV	NV			
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	NV				11	NV			
Isophorone	mg/kg	NV	674	674	NV	17,500	NV	17,500	60,200	NV	17,500
N-nitrosodi-n-propylamine	mg/kg	NV	NV				NV	NV			
N-nitrosodiphenylamine	mg/kg	NV	NV				NV	NV			

Table 2-4. Summary of Available Residential and Industrial Screening Values

Constituent	Units	Residential SCO ^b	Residential SSL ^c	Values Used to Derive Residential SSL ^a			Industrial SCO ^b	Industrial SSL ^c	Values Used to Derive Industrial SSL ^a		
				Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration			Ingestion Pathway Screening Level	Inhalation Pathway Screening Level	Soil Saturation Concentration
Naphthalene	mg/kg	100	1,800	3,130	NV	1,800	1,000	1,800	81,800	NV	1,800
Nitrobenzene	mg/kg	NV	NV				NV	NV			
Pentachlorophenol	mg/kg	2.4	NV				55	NV			
Phenanthrene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Phenol	mg/kg	100	33,600	46,900	33,600	77,400	1,000	47,000	1,230,000	47,000	77,400
Pyrene	mg/kg	100	NV	NV	NV	NA	1,000	NV	NV	NV	NA
Miscellaneous Compounds											
Ethylenethiourea	mg/kg	NV	5.8	5.8	NV	NA	NV	164	164	NV	NA
PCBs	mg/kg	1	1.0	1.0	NV	NA	25	NV	NV	NV	NA
Aroclor-1016 (PCB-1016)	mg/kg	NV	NV				NV	NV			
Aroclor-1221 (PCB-1221)	mg/kg	NV	NV				NV	NV			
Aroclor-1232 (PCB-1232)	mg/kg	NV	NV				NV	NV			
Aroclor-1242 (PCB-1242)	mg/kg	NV	NV				NV	NV			
Aroclor-1248 (PCB-1248)	mg/kg	NV	NV				NV	NV			
Aroclor-1254 (PCB-1254)	mg/kg	NV	NV				NV	NV			
Total PCBs	mg/kg	1	1.0	1.0	NV	NA	25	NV	NV	NV	NA

Notes:

NA = not applicable to this constituent

NV = no value available

SCO = soil cleanup objective

SSL = soil screening level

^a The SSL is the lowest of three values: the ingestion pathway screening level, the inhalation pathway screening level, and the saturation concentration, if applicable.^b Residential and Industrial Remedial Program SCOs listed in Table 375-6.8(b) of 6 NYCRR Subpart 375-6.^c Residential and Industrial SSLs listed in Table 7.2 of the 1999 Draft RFI Report.

Table 2-5. Chemicals Exceeding Residential Screening Levels in Air Deposition Study Area

Chemical	Number of Samples	Frequency of Detection (percent)	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SLs?	Exceeds Background?	On Offsite Investigation Parameter List?	Selected as COC?	Comment
4,4'-DDE	11	73	Y	Y	N	--	Y	N	Only 1 detect exceeds, no DLs exceed
Aldrin	11	0	Y	Y	N	--	Y	N	1 DL exceeds SLs, never detected anywhere
beta-BHC	11	9	Y	N	N	--	Y	N	1 DL slightly exceeds
Dieldrin	11	45	Y	N	N	--	Y	N	1 DL slightly exceeds
Heptachlor epoxide	9	0	NV	Y	N	--	Y	N	1 DL slightly exceeds
Toxaphene	7	0	NV	Y	N	--	Y	N	1 DL exceeds 1 SL, never detected anywhere
Beryllium	9	55	N	Y	N	Y	N	N	2 DL exceed background, all detects below background, not on offsite parameter list
Cadmium	11	0	Y	N	N	Y	Y	N	5 DLs exceed SCO but not SSL
Chromium	12	100	Y	N	N	Y	N	N	Not on offsite parameter list, 3 detects slightly exceed SCO but not SSL
Iron	9	100	NV	Y	N	N	Y	N	Within background
Thallium	8	0	NV	Y	N	N	Y	N	Within background

Notes:

-- = not applicable
COC = chemical of concern
DL = detection limit
N = no
NV = no value available
SCO = soil cleanup objective (from New York State Department of Health)
SL = screening level (either SCO or SSL)
SSL = soil screening level (from U.S. Environmental Protection Agency)
Y = yes

Table 2-6. Chemicals Exceeding Residential Screening Levels in Culvert 105 Study Area North of Canal

Chemical	Number of Samples	Frequency of Detection (percent)	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SLs?	Exceeds Background?	On Offsite Investigation Parameter List?	Selected as COC?	Comment
Aldrin	18	0	Y	N	N	--	Y	N	1 DL slightly exceeds SCO but not SSL, never detected anywhere
beta-BHC	19	11	Y	Y	Y	--	Y	N	Single exceedance is suspect
Dieldrin	19	16	Y	Y	N	--	Y	N	Distribution not consistent with FMC as source
Toxaphene	18	0	NV	Y	N	--	Y	N	3 DLs exceed, never detected anywhere
Lead	19	100	Y	Y	N	Y	Y	N	1 slight exceedance
Cadmium	2	100	Y	N	N	Y	Y	N	1 detect slightly exceeds SCO but not SSL
4,6-Dinitro-2-methyphenol	2	0	NV	Y	N	--	N	N	Not on offsite parameter list, never detected anywhere

Notes:

-- = not applicable

COC = chemical of concern

DL = detection limit

N = no

NV = no value available

SCO = soil cleanup objective (from New York State Department of Health)

SL = screening level (either SCO or SSL)

SSL = soil screening level (from U.S. Environmental Protection Agency)

Y = yes

Table 2-7. Chemicals Exceeding Residential Screening Levels in Culvert 105 Study Area Subsurface Soils

Chemical	Number of Results	Frequency of Detection (percent)	Exceeds Residential SCO?	Exceeds Residential SSL?	Exceeds Industrial SLs?	Exceeds Background?	On Offsite Investigation Parameter List?	Selected as COC?	Comment
Aldrin	61	0	Y	Y	N	--	Y	N	5 DLs exceed residential SLs but not industrial SLs, never detected anywhere
beta -BHC	56	4	Y	N	N	--	Y	N	FOD<5%, 1DL exceeds residential SCO but no other SLs
alpha -Chlordane	61	13	N	Y	N	--	Y	N	1 DL exceeds residential SSL but no other SLs
gamma -Chlordane	61	10	NV	Y	N	--	Y	N	1 DL exceeds residential SSL but not industrial SSL
Dieldrin	61	11	Y	Y	N	--	Y	N	4 detects exceed both residential SLs, distribution not consistent with FMC as source
Heptachlor epoxide	61	5	NV	Y	N	--	Y	N	1 DL exceeds residential SSL but not industrial SSL
Isodrin	55	0	NV	Y	N	--	Y	N	5 DLs exceed residential SSL but not industrial SSL
Toxaphene	61	0	NV	Y	N	--	Y	N	7 DLs exceed residential SSL but not industrial SSL, never detected anywhere
Lead	62	98	Y	Y	N	Y	Y	N	1 detect exceeds residential SLs
Iron	2	100	NV	Y	N	N	Y	N	Within background
4,6-Dinitro-2-methylphenol	2	0	NV	Y	N	--	N	N	Not on offsite parameter list, never detected anywhere

Notes:

-- = not applicable

COC = chemical of concern

DL = detection limit

FOD = frequency of detection

N = no

NV = no value available

SCO = soil cleanup objective (from New York State Department of Health)

SL = screening level (either SCO or SSL)

SSL = soil screening level (from U.S. Environmental Protection Agency)

Y = yes

Table 3-1. Deterministic Exposure Factor Values and Sources for Residential Scenarios

Exposure Factor	Unit	CTE Value	CTE Source	RME Value	RME Source
C _s (air deposition study area)	mg/kg	Varies ^a	Arithmetic mean of area-specific data set	Varies ^a	95UCL ^b of area-specific data set
C _s (Culvert 105 study area north of the canal)	mg/kg	Varies ^a	Arithmetic mean of area-specific data set	Varies ^a	95UCL ^b of area-specific data set
C _s (background ^c for air deposition study area)	mg/kg	10.5	Arithmetic mean of background data set generated from Gasport data ^d	11.6	95UCL ^e of background data set generated from Gasport data ^d
C _s (background ^c for Culvert 105 study area north of the canal)	mg/kg	16.7	Arithmetic mean of background data set generated from Gasport data ^d	25.0	97.5UCL ^e of background data set generated from Gasport data ^d
C _d (Middleport)	mg/kg	20.3	Arithmetic mean from Exponent 2004	25.6	95UCL calculated from geometric mean and geometric SD reported in Tsuji et al. 2005
C _d (background)	mg/kg	20.3	Arithmetic mean from Exponent 2004	25.6	95UCL calculated from geometric mean and geometric SD reported in Tsuji et al. 2005
EF _s (default)	days/year	350	USEPA 1991	350	USEPA 1991
EF _s (site-specific)	days/year	291	Mean of National Weather Service 2008 data	291	Mean of National Weather Service 2008 data
EF _d	days/year	350	Likeliest value based on USEPA 1991	350	Likeliest value based on USEPA 1991
FI _s	unitless	0.45	Likeliest value based on USEPA 1994	0.45	Likeliest value based on USEPA 1994
FI _d	unitless	0.55	1 – FI _s	0.55	1 – FI _s
IR (child) (default)	mg/day	100	USEPA 1993, 2008b	200	USEPA 1993, 2002
IR (child) (site-specific)	mg/day	45	50th percentile based on Stanek et al. 2001b, Stanek and Calabrese 2000, USEPA 2008b	124	95th percentile based on Stanek et al. 2001b, Stanek and Calabrese 2000, USEPA 2008b
IR (adult) (default)	mg/day	50	USEPA 1993	100	USEPA 1993, 2002
IR (adult) (site-specific)	mg/day	22.5	50th percentile based on professional judgment	62	95th percentile based on professional judgment
EV (default)	events/day	1	USEPA 2004b	1	USEPA 2004b

Table 3-1. Deterministic Exposure Factor Values and Sources for Residential Scenarios

Exposure Factor	Unit	CTE Value	CTE Source	RME Value	RME Source
AF (child) (default)	mg/cm ² -event	0.04	USEPA 2004b	0.2	USEPA 2004b
AF (adult) (default)	mg/cm ² -event	0.01	USEPA 2004b	0.07	USEPA 2004b
SA (child) (default)	cm ²	2,800	USEPA 2004b	2,800	USEPA 2004b
SA (adult) (default)	cm ²	5,700	USEPA 2004b	5,700	USEPA 2004b
ABS _d (default)	unitless	0.03	USEPA 2004b	0.03	USEPA 2004b
ED (child)	years	2	USEPA 1993	6	USEPA 1996
ED (adult+child)	years	9	USEPA 1993	30	USEPA 1993
RBA (default)	unitless	1	Default requested by Agencies	1	Default requested by Agencies
RBA (site-specific)	unitless	0.22	Mean calculated from data presented in Roberts et al. 2007	0.22	Mean calculated from data presented in Roberts et al. 2007
FS	unitless	1	Considers residential scenario only	1	Considers residential scenario only
BW (child)	kg	15	USEPA 2002	15	USEPA 2002
BW (adult, cancer)	kg	70	USEPA 2002	70	USEPA 2002
BW (adult, noncancer)	kg	70	USEPA 2002	70	USEPA 2002
AT (cancer)	days	25,550	USEPA 2001a	25,550	USEPA 2001a
AT (child, noncancer)	days	730	ED x 365 days/year (USEPA 2001a)	2,190	ED x 365 days/year (USEPA 2001a)
AT (adult + child, noncancer)	days	3,285	ED x 365 days/year (USEPA 2001a)	10,950	ED x 365 days/year (USEPA 2001a)

Notes:

ABS_d = chemical-specific dermal absorption factor

AF = adherence factor

AT = averaging time (equal to ED x 365 days/year for noncarcinogens and 70 years x 365 days/year for carcinogens)

BW = body weight

C_d = contaminant concentration in house dust

C_s = contaminant concentration in soil

CTE = central tendency exposure

ED = exposure duration

EF_d = exposure frequency to house dust

EF_s = exposure frequency to soil

EV = event frequency

FI_d = fractional intake from house dust

FI_s = fractional intake from soil

FS = fraction ingested from source

IR = ingestion rate

RBA = relative bioavailability adjustment factor

RME = reasonable maximum exposure

SA = surface area

UCL = upper confidence limit

^a Value depends on data set being analyzed. See Table 3-5 for CTE and RME arsenic EPCs for each data set, and Attachment 2 for additional details.

^b As recommended by USEPA's (2010d) ProUCL.

^c The example background distribution shown was generated by incorporating the 2001 Work Plan Method calculations (Attachment 2) for the air deposition study area and the Culvert 105 study area north of the canal and including the four potential outliers.

^d See Attachment 2 for additional details.

^e As recommended by USEPA's (2009e) ProUCL. For certain data sets, USEPA's ProUCL software recommended using 97.5UCLs instead of 95UCLs. (Note: A comparison between ProUCL versions 4.00.04 [USEPA 2009e] and 4.1 [USEPA 2010d] showed no difference in RME EPC results for study area data sets. Therefore, background data sets, which were unchanged between the July 12, 2010 Agency review draft HHRA [prior to the release of ProUCL version 4.1] and the current draft document, were not re-analyzed.)

Table 3-2. Probabilistic Exposure Factor Descriptions and Sources for Residential Scenarios

Exposure Factor	Unit	Distribution Type	Probability Distribution Parameter	Source/Notes
C _s (air deposition study area)	mg/kg	Custom	NA	Sample directly from area-specific data set ^a
C _s (Culvert 105 study area north of the canal)	mg/kg	Custom	NA	Sample directly from area-specific data set ^a
C _s (background for air deposition study area)	mg/kg	Custom	NA	Sample directly from background data set generated from Gasport data ^a
C _s (background for Culvert 105 study area north of the canal)	mg/kg	Custom	NA	Sample directly from background data set generated from Gasport data ^a
C _d (Middleport)	mg/kg	Lognormal	Geometric mean 10.8, geometric SD 3.0, min 1.0, max 172	Tsuji et al. 2005
C _d (background)	mg/kg	Lognormal	Geometric mean 10.8, geometric SD 3.0, min 1.0, max 172	Tsuji et al. 2005
EF _s	days/yr	Weibull	Location 225.68, scale 71.56, shape 4.01, min 104, max 330	National Weather Service 2008
EF _d	days/yr	Triangular	Min 104, likeliest 350, max 365	USEPA 1991, professional judgment
FI _s	unitless	Triangular	Min 0.20, likeliest 0.45, max 0.70	USEPA 1994, professional judgment
FI _d	unitless	Triangular	Varies with FI _s (1 – FI _s)	Same as above
IR (child)	mg/day	Lognormal	50th percentile 45, 95th percentile 124, min 0, max 1,000	Stanek et al. 2001b, Stanek and Calabrese 2000, USEPA 2008b
IR (adult)	mg/day	Lognormal	50th percentile 22.5, 95th percentile 62, min 0, max 1,000	Professional judgment
ED (child)	yrs	Triangular	Min 1, likeliest 3.5, max 6	Professional judgment
ED (adult+child)	yrs	Lognormal	Mean 12.6, SD 16.2, min 1, max 87	USEPA et al. 2002
RBA	unitless	Normal	Mean 0.22, SD 0.083, min 0.09, max 0.48	Derived from data presented in Roberts et al. 2007
FS	unitless	Point estimate	1	Considers residential scenario only
BW (child)	kg	Lognormal	Mean 17.27, SD 4.97, min 4.4, max 52.4	Portier et al. 2007, professional judgment

Table 3-2. Probabilistic Exposure Factor Descriptions and Sources for Residential Scenarios

Exposure Factor	Unit	Distribution Type	Probability Distribution Parameter	Source/Notes
BW (adult, cancer)	kg	Lognormal	Mean 70.7, SD 14.4, min 23.9, max 205.4	Richardson 1997, professional judgment
BW (adult, noncancer)	kg	Lognormal	Mean 79.96, SD 20.73, min 23.9, max 205.4	Portier et al. 2007, professional judgment
AT (cancer)	days	Point estimate	25,550 ^b	USEPA 2001a
AT (noncancer)	days	Varies	Varies with ED (ED x 365 days/year)	USEPA 2001a

Notes:

AT = averaging time (ED x 365 days/year for noncarcinogens; 70 years x 365 days/year for carcinogens)

BW = body weight

C_d = contaminant concentration in house dust

C_s = contaminant concentration in soil

ED = exposure duration

EF_d = exposure frequency to house dust

EF_s = exposure frequency to soil

FI_d = fractional intake from house dust

FI_s = fractional intake from soil

FS = fraction ingested from source

IR = ingestion rate

NA = not applicable

RBA = relative bioavailability adjustment factor

SD = standard deviation

^a See Attachment 2 for details.

^b For a particular model simulation for an adult plus child cancer risk scenario, if the exposure duration exceeds the averaging time point estimate of 25,550 days, the averaging time will be set to equal the exposure duration.

Table 3-3. Deterministic Exposure Factor Values and Sources for Schoolchild Scenario

Exposure Factor	Unit	CTE Value	RME Value	Source/Notes
C _s (Roy-Hart school property)	mg/kg	Varies ^a	Varies ^a	Mean (CTE) and 95UCL ^b (RME) of area-specific data set ^c
C _s (air deposition study area, CMA 3)	mg/kg	15.5	16.7	Mean (CTE) and 95UCL ^b (RME) of area-specific data set ^c
C _d (Middleport)	mg/kg	20.3	25.6	Mean (CTE) from Exponent 2004 and 95UCL (RME) calculated from data reported in Tsuji et al. 2005
EF _s (default)	days/year	182	182	Royalton Hartland Central School District 2010
EF _s (site-specific)	days/year	107	107	Professional judgment
EF _d	days/year	182	182	Royalton Hartland Central School District 2010
FI _s	unitless	0.45	0.45	Likeliest value based on USEPA 1994
FI _d	unitless	0.55	0.55	1 – FI _s
IR (default)	mg/day	50	100	USEPA 1993
IR (site-specific)	mg/day	22.5	62	50th percentile (CTE) and 95th percentile (RME) based on professional judgment
EV (default)	events/day	1	1	USEPA 2004b
AF (default)	mg/cm ² -event	0.01	0.07	USEPA 2004b
SA (default)	cm ²	5,700	5,700	USEPA 2004b
ABS _d (default)	unitless	0.03	0.03	USEPA 2004b
ED	years	8	8	Professional judgment
RBA (default)	unitless	1	1	Default requested by Agencies
RBA (site-specific)	unitless	0.22	0.22	Mean calculated from data presented in Roberts et al. 2007
FS	unitless	1	1	Defined for scenario
BW	kg	56.8	56.8	USEPA 2008c
AT (cancer)	days	25,550	25,550	USEPA 2001a

Notes:

ABS_d = chemical-specific dermal absorption factor

AF = adherence factor

AT = averaging time (ED x 365 days/year for noncarcinogens; 70 years x 365 days/year for carcinogens)

BW = body weight

C_d = contaminant concentration in indoor dust

C_s = contaminant concentration in soil

CTE = central tendency exposure

ED = exposure duration

EF_d = exposure frequency to indoor dust

EF_s = exposure frequency to soil

EV = event frequency

FI_d = fractional intake from indoor dust

FI_s = fractional intake from soil

FS = fraction ingested from source

IR = ingestion rate

RBA = relative bioavailability adjustment factor

RME = reasonable maximum exposure

SA = surface area

UCL = upper confidence limit

^a Value depends on data set being analyzed. See Table 3-5 for CTE and RME arsenic EPCs for each data set, and Attachment 2 for additional details.

^b As recommended by USEPA's (2010d) ProUCL.

^c See Attachment 2 for details.

Table 3-4. Deterministic Exposure Factor Values and Sources for Utility Worker Scenarios

Exposure Factor	Unit	CTE Value	RME Value	Source/Notes
C _s (Culvert 105 study area)	mg/kg	Varies ^a	Varies ^a	Mean (CTE) and 95UCL ^b (RME) of area-specific data set
C _s (Wooded Parcel)	mg/kg	Varies ^a	Varies ^a	Mean (CTE) and 95UCL ^b (RME) of area-specific data set
EF _s	days/year	10	22	Professional judgment
FI _s	unitless	1	1	Professional judgment
IR	mg/day	100	330	USEPA 2002
EV (default)	events/day	1	1	USEPA 2004b
AF (default)	mg/cm ² -event	0.02	0.2	USEPA 2004b
SA (default)	cm ²	3,300	3,300	USEPA 2004b
ABS _d (default)	unitless	0.03	0.03	USEPA 2004b
ED	years	1	1	Professional judgment
RBA (default)	unitless	1	1	Default requested by Agencies
RBA (site-specific)	unitless	0.22	0.22	Mean calculated from data presented in Roberts et al. 2007
FS	unitless	1	1	Defined for scenario
BW (cancer)	kg	70	70	USEPA 2002
BW (noncancer)	kg	70	70	USEPA 2002
AT (cancer)	days	25,550	25,550	USEPA 2001a
AT (noncancer)	days	365	365	ED x 365 days/year (USEPA 2001a)

Notes:

ABS_d = chemical-specific dermal absorption factor

AF = adherence factor

AT = averaging time (ED x 365 days/year for noncarcinogens;
70 years x 365 days/year for carcinogens)

BW = body weight

C_s = contaminant concentration in soil

ED = exposure duration

EF_s = exposure frequency to soil

EV = event frequency

FI_s = fractional intake from soil

FS = fraction ingested from source

IR = ingestion rate

RBA = relative bioavailability adjustment factor

RME = reasonable maximum exposure

SA = surface area

UCL = upper confidence limit

^a Value depends on data set being analyzed. See Table 3-5 for CTE and RME arsenic EPCs for each data set, and Attachment 2 for additional details.

^b As recommended by USEPA's (2010d) ProUCL.

Table 3-5. Deterministic CTE and RME Arsenic EPCs

Area	Exposure Scenario Description	No. Data Points	CMA	CTE (Mean) EPC (mg/kg)	RME (95UCL ^a) EPC (mg/kg)	Method for Calculating 95UCL ^a
Air Deposition Study Area	Residential receptor, surface soils	1,873	Pre-ICM	30.9	35.2	95% Chebyshev (Mean, SD)
			Current (1)	22.7	24.6	95% Chebyshev (Mean, SD)
			2	7.6	8.2	95% Chebyshev (Mean, SD)
			3	15.5	16.7	95% Chebyshev (Mean, SD)
			4	18.9	20.2	95% Chebyshev (Mean, SD)
			5	20.6	22.1	95% Chebyshev (Mean, SD)
			6A	14.5	15.6	95% Chebyshev (Mean, SD)
			6B	13.8	14.9	95% Chebyshev (Mean, SD)
			7A	13.2	14.3	95% Chebyshev (Mean, SD)
			7B	12.4	13.4	95% Chebyshev (Mean, SD)
			8	11.1	12.0	95% Chebyshev (Mean, SD)
Culvert 105 Study Area North of the Canal	Residential receptor, surface soils	288	Pre-ICM	60.3	89.0	95% Chebyshev (MVUE) ^b
			Current (1)	53.4	73.2	95% Chebyshev (Mean, SD)
			2	5.6	5.9	95% Modified-t ^c
			3	9.0	11.4	95% Chebyshev (Mean, SD)
			4	13.2	16.7	95% Chebyshev (Mean, SD)
			5	15.6	19.9	95% Chebyshev (Mean, SD)
			6A/B	8.1	10.2	95% Chebyshev (Mean, SD)
			7A/B	7.6	9.6	95% Chebyshev (Mean, SD)
			8	7.0	8.3	97.5% Chebyshev (Mean, SD)
Culvert 105 Study Area	Utility worker receptor, surface and subsurface soils	408	Pre-ICM	34.0	46.5	95% Chebyshev (Mean, SD)
			Current (1)	26.5	38.5	95% Chebyshev (Mean, SD)
			2	5.9	7.5	95% Chebyshev (Mean, SD)
			3	7.7	9.7	95% Chebyshev (Mean, SD)
			4	10.3	13.0	95% Chebyshev (Mean, SD)
			5	11.5	14.6	95% Chebyshev (Mean, SD)

Table 3-5. Deterministic CTE and RME Arsenic EPCs

Area	Exposure Scenario Description	No. Data Points	CMA	CTE (Mean) EPC (mg/kg)	RME (95UCL ^a) EPC (mg/kg)	Method for Calculating 95UCL ^a
			6A/B	7.6	9.5	95% Chebyshev (Mean, SD)
			7A/B	7.1	8.9	95% Chebyshev (Mean, SD)
			8	6.1	7.7	95% Chebyshev (Mean, SD)
Wooded Parcel	Utility worker receptor, surface and subsurface soils	94	Pre-ICM	56.4	68.6	95% Approx. Gamma
			Current	9.3	15.2	95% Chebyshev (Mean, SD)
Roy-Hart School Property	School child receptor, surface soils	145	Pre-ICM	43.9	63.2	95% Chebyshev (Mean, SD)
			Current (1), 3, 4, 5, 6A, 7A	18.1	24.5	95% Chebyshev (Mean, SD)
			2	5.3	5.7	95% Modified-t ^c
			6B	9.5	12.9	95% Chebyshev (Mean, SD)
			7B, 8	7.1	9.3	95% Chebyshev (Mean, SD)

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

SD = standard deviation

CTE = central tendency exposure

RME = reasonable maximum exposure

UCL = upper confidence limit

EPC = exposure point concentration

^a As recommended by USEPA's (2010) ProUCL.

^b Although ProUCL suggested using a 95% H-UCL for this RME EPC, ProUCL also recommended avoiding use of H-statistic based 95% UCLs (see Attachment 4). Based on professional judgment, a 95% Chebyshev (MVUE) UCL is included in this table for use as the RME EPC.

^c The method selected yielded the highest of two recommended RME EPC values.

Table 3-6. Comparison of NYSDEC SCO and HHRA Exposure Factors

Exposure Factor	Unit	NYSDEC SCO Derivation Value	HHRA RME Value	
			Default Deterministic	Site-Specific Deterministic
EF _s (child)	days/year	155 ^a	350	291
EF _s (adult)	days/year	62 ^a	350	291
EF _d	days/year	365 ^b	350	350
FI _s	--	0.75 ^c	0.45	0.45
FI _d	--	0.25 ^c	0.55	0.55
IR (child)	mg/day	160	200	124
IR (adult)	mg/day	100 ^d	100	62
AF (child)	mg/cm ²	0.2	0.2	NA
AF (adult)	mg/cm ²	0.07	0.07	NA
SA (child)	cm ²	1,870	2,800	NA
SA (adult)	cm ²	4,850	5,700	NA
ABS _d	--	0.03	0.03	NA
ED (child, cancer)	years	Varies ^{e,f}	6	6
ED (adult+child, cancer)	years	70 ^f	30	30
BW (child, cancer)	kg	Varies ^e		
BW (child, noncancer)	kg	13.3		
BW (adult, cancer)	kg	69.3		
BW (adult, noncancer)	kg	70		
AT (cancer)	years	70 ^f	70	70

Notes:

NYSDEC broke SCO calculations into age classes to account for potentially increased sensitivity of children to early-life exposures to carcinogens via age-dependent adjustment factors.

ABS_d = chemical-specific dermal absorption factor

AF = adherence factor

AT = averaging time (ED x 365 days/year for noncarcinogens; 70 years x 365 days/year for carcinogens)

BW = body weight

ED = exposure duration
EF_d = exposure frequency to indoor dust
EF_s = exposure frequency to soil
FI_d = fractional intake from house dust
FI_s = fractional intake from soil
FS = fraction ingested from source
HHRA = human health risk assessment
IR = ingestion rate
NA = not applicable; not included in analyses
NYSDEC = New York State Department of Environmental Conservation
RBA = relative bioavailability adjustment factor
RME = reasonable maximum exposure
SA = surface area
SCO = soil cleanup objective
UCL = upper confidence limit

^a Reduced based on assumptions of weather and activity patterns.

^b Child only; not explicitly stated for adults.

^c House dust ingestion was only included in the calculation of SCOs if the indoor dust was assumed to have originated from outdoor soil. NYSDEC assumed half of ingestion exposures were from outdoor soil, but half of indoor dust originated from outdoor soil.

^d Includes ingestion of soil and only indoor dust that originated from outdoor soil.

^e Depends on age class.

^f Noncancer exposure duration and averaging time not included; averaging time is a function of exposure duration, so both are cancelled out in noncancer calculation.

Table 5-1. Total CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	6.2E-06	5.6E-07	4.2E-07	5.0E-05	5.9E-06	2.6E-06
Pre-ICM	9.7E-06	8.5E-07	7.1E-07	7.7E-05	8.7E-06	4.1E-06
Current (CMA 1)	8.3E-06	7.3E-07	6.1E-07	6.5E-05	7.5E-06	3.5E-06
CMA 2	5.7E-06	5.2E-07	3.8E-07	4.6E-05	5.5E-06	2.5E-06
CMA 3	7.0E-06	6.3E-07	4.9E-07	5.5E-05	6.5E-06	3.0E-06
CMA 4	7.6E-06	6.8E-07	5.7E-07	5.9E-05	6.9E-06	3.3E-06
CMA 5	7.9E-06	7.0E-07	6.0E-07	6.2E-05	7.2E-06	3.3E-06
CMA 6A	6.9E-06	6.2E-07	4.9E-07	5.4E-05	6.4E-06	3.0E-06
CMA 6B	6.7E-06	6.1E-07	4.9E-07	5.3E-05	6.3E-06	2.8E-06
CMA 7A	6.6E-06	6.0E-07	4.7E-07	5.3E-05	6.2E-06	2.7E-06
CMA 7B	6.5E-06	5.9E-07	4.5E-07	5.2E-05	6.1E-06	2.7E-06
CMA 8	6.3E-06	5.7E-07	4.4E-07	5.0E-05	5.9E-06	2.6E-06

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-2. Incremental CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	3.6E-06	2.8E-07	2.9E-07	2.7E-05	2.8E-06	1.5E-06
Current (CMA 1)	2.1E-06	1.7E-07	1.9E-07	1.5E-05	1.6E-06	9.1E-07
CMA 2	--	--	--	--	--	--
CMA 3	8.7E-07	7.0E-08	7.1E-08	5.9E-06	6.1E-07	4.3E-07
CMA 4	1.5E-06	1.2E-07	1.5E-07	9.9E-06	1.0E-06	7.2E-07
CMA 5	1.8E-06	1.4E-07	1.8E-07	1.2E-05	1.3E-06	6.9E-07
CMA 6A	7.0E-07	5.6E-08	7.5E-08	4.6E-06	4.8E-07	3.8E-07
CMA 6B	5.8E-07	4.6E-08	6.8E-08	3.8E-06	4.0E-07	2.7E-07
CMA 7A	4.7E-07	3.8E-08	5.3E-08	3.1E-06	3.2E-07	1.3E-07
CMA 7B	3.3E-07	2.7E-08	3.3E-08	2.1E-06	2.2E-07	9.6E-08
CMA 8	1.0E-07	8.4E-09	1.7E-08	4.6E-07	4.8E-08	5.6E-08

Notes:

-- = Background risk is higher than site-related risk, so the incremental risk would be negative.

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-3. CTE and RME Hazard Indices (unitless) for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	0.1	0.01	0.008	0.3	0.03	0.06
Pre-ICM	0.2	0.01	0.01	0.4	0.05	0.09
Current (CMA 1)	0.1	0.01	0.01	0.3	0.04	0.07
CMA 2	0.1	0.009	0.007	0.2	0.03	0.05
CMA 3	0.1	0.01	0.009	0.3	0.03	0.07
CMA 4	0.1	0.01	0.01	0.3	0.04	0.07
CMA 5	0.1	0.01	0.01	0.3	0.04	0.07
CMA 6A	0.1	0.01	0.009	0.3	0.03	0.06
CMA 6B	0.1	0.01	0.009	0.3	0.03	0.06
CMA 7A	0.1	0.01	0.009	0.3	0.03	0.06
CMA 7B	0.1	0.01	0.008	0.3	0.03	0.06
CMA 8	0.1	0.01	0.008	0.3	0.03	0.05

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-4. CTE and RME Hazard Indices (unitless) for Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	0.02	0.002	0.0009	0.05	0.006	0.006
Pre-ICM	0.03	0.003	0.002	0.08	0.01	0.009
Current (CMA 1)	0.03	0.002	0.001	0.07	0.008	0.008
CMA 2	0.02	0.002	0.0009	0.05	0.006	0.005
CMA 3	0.02	0.002	0.001	0.06	0.007	0.006
CMA 4	0.03	0.002	0.001	0.06	0.008	0.007
CMA 5	0.03	0.002	0.001	0.07	0.008	0.007
CMA 6A	0.02	0.002	0.001	0.06	0.007	0.006
CMA 6B	0.02	0.002	0.001	0.06	0.007	0.006
CMA 7A	0.02	0.002	0.001	0.06	0.007	0.006
CMA 7B	0.02	0.002	0.001	0.06	0.007	0.006
CMA 8	0.02	0.002	0.001	0.05	0.006	0.006

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-5. Surface and Shallow Subsurface Soil Arsenic Concentrations for Air Deposition Study Area

	Surface Soil (mg/kg)			Subsurface Soil (mg/kg)		
	Mean	Std. Dev.	95UCL on Mean	Mean	Std. Dev.	95UCL on Mean
Pre-ICM	30.9	42.4	35.2	32.5	146.6	46.0
Current (CMA 1)	22.7	19.3	24.6	19.8	27.4	22.3
CMA 2	7.6	6.3	8.2	7.5	5.9	8.1
CMA 3	15.5	12.2	16.7	14.6	11.1	15.6
CMA 4	18.9	13.0	20.2	16.7	12.8	17.9
CMA 5	20.6	14.2	22.1	17.5	13.8	18.8
CMA 6A	14.5	11.2	15.6	13.3	10.2	14.3
CMA 6B	13.8	10.5	14.9	13.3	10.2	14.3
CMA 7A	13.2	10.8	14.3	11.9	9.3	12.7
CMA 7B	14.2	9.8	13.4	11.9	9.3	12.7
CMA 8	11.1	8.6	12.0	11.1	8.6	11.9

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

UCL = upper confidence limit

Table 5-6. Total CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	7.3E-06	6.5E-07	4.6E-07	6.5E-05	7.5E-06	3.2E-06
Pre-ICM	1.5E-05	1.3E-06	9.1E-07	1.4E-04	1.5E-05	6.8E-06
Current (CMA 1)	1.4E-05	1.2E-06	8.0E-07	1.2E-04	1.3E-05	6.5E-06
CMA 2	5.3E-06	4.9E-07	3.5E-07	4.3E-05	5.2E-06	2.3E-06
CMA 3	5.9E-06	5.4E-07	3.8E-07	4.9E-05	5.9E-06	2.6E-06
CMA 4	6.6E-06	6.0E-07	4.5E-07	5.5E-05	6.5E-06	3.0E-06
CMA 5	7.1E-06	6.3E-07	4.7E-07	5.9E-05	6.9E-06	3.2E-06
CMA 6A/B	5.8E-06	5.3E-07	3.7E-07	4.8E-05	5.7E-06	2.6E-06
CMA 7A/B	5.7E-06	5.2E-07	3.7E-07	4.7E-05	5.7E-06	2.4E-06
CMA 8	5.6E-06	5.1E-07	3.6E-07	4.6E-05	5.5E-06	2.4E-06

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-7. Incremental CTE and RME Excess Lifetime Cancer Risks (unitless) for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	7.6E-06	6.1E-07	4.5E-07	7.4E-05	7.7E-06	3.5E-06
Current (CMA 1)	6.4E-06	5.1E-07	3.4E-07	5.6E-05	5.8E-06	3.3E-06
CMA 2	--	--	--	--	--	--
CMA 3	--	--	--	--	--	--
CMA 4	--	--	--	--	--	--
CMA 5	--	--	1.2E-08	--	--	--
CMA 6A/B	--	--	--	--	--	--
CMA 7A/B	--	--	--	--	--	--
CMA 8	--	--	--	--	--	--

Notes:

-- = Background risk is higher than site-related risk, so the incremental risk would be negative.

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-8. CTE and RME Hazard Indices (unitless) for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	0.1	0.01	0.009	0.3	0.04	0.07
Pre-ICM	0.3	0.02	0.02	0.6	0.08	0.1
Current (CMA 1)	0.2	0.02	0.01	0.7	0.07	0.1
CMA 2	0.09	0.009	0.006	0.2	0.03	0.05
CMA 3	0.1	0.009	0.007	0.3	0.03	0.05
CMA 4	0.1	0.01	0.008	0.3	0.03	0.06
CMA 5	0.1	0.01	0.009	0.3	0.04	0.07
CMA 6A/B	0.1	0.009	0.007	0.2	0.03	0.05
CMA 7A/B	0.1	0.009	0.007	0.2	0.03	0.05
CMA 8	0.1	0.009	0.007	0.2	0.03	0.05

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-9. CTE and RME Hazard Indices (unitless) for Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	0.02	0.002	0.001	0.07	0.008	0.007
Pre-ICM	0.05	0.004	0.002	0.2	0.02	0.01
Current (CMA 1)	0.05	0.004	0.002	0.1	0.01	0.01
CMA 2	0.02	0.002	0.0008	0.05	0.006	0.005
CMA 3	0.02	0.002	0.0009	0.05	0.006	0.005
CMA 4	0.02	0.002	0.001	0.06	0.007	0.006
CMA 5	0.02	0.002	0.001	0.06	0.008	0.007
CMA 6A/B	0.02	0.002	0.0008	0.05	0.006	0.006
CMA 7A/B	0.02	0.002	0.0008	0.05	0.006	0.005
CMA 8	0.02	0.002	0.0008	0.05	0.006	0.005

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Calculated from 50th (CTE) and 95th (RME) percentile intake values resulting from the probabilistic modeling.

Table 5-10. Surface and Shallow Subsurface Soil Arsenic Concentrations for Culvert 105 Study Area North of the Canal

	Surface Soil (mg/kg)			Subsurface Soil (mg/kg)		
	Mean	Std. Dev.	95UCL on Mean	Mean	Std. Dev.	95UCL on Mean
Pre-ICM	60.3	76.3	89.0	45.4	74.2	59.0
Current (CMA 1)	53.4	77.0	73.2	41.2	73.8	54.9
CMA 2	5.6	2.7	5.9	5.9	3.1	6.1
CMA 3	9.0	9.3	11.4	9.2	8.8	10.8
CMA 4	13.2	13.5	16.7	12.4	12.8	14.8
CMA 5	15.6	16.7	19.9	14.6	16.0	17.6
CMA 6A/B	8.1	8.2	10.2	8.6	8.0	10.1
CMA 7A/B	7.6	7.6	9.6	8.0	7.1	9.3
CMA 8	7.0	5.1	8.3	7.5	5.7	8.6

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

UCL = upper confidence limit

Table 5-11. Surface Soil Sample Arsenic Concentrations for Culvert 105 Study Area North of the Canal, Reaches C1, C2, and C3

Reach	Number of Samples	Mean (mg/kg)	95UCL on Mean (mg/kg)
C1	76	12.6	26.5
C2	132	80.7	155
C3	80	47.3	77.6
Overall	288	53.4	73.2

Notes:

UCL = upper confidence limit

Table 5-12. Total CTE and RME Excess Lifetime Cancer Risks (unitless) for Culvert 105 Study Area Utility Worker

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Pre-ICM	2.9E-08	6.3E-09	3.0E-07	6.2E-08
Current (CMA 1)	2.3E-08	4.9E-09	2.5E-07	5.2E-08
CMA 2	5.0E-09	1.1E-09	4.8E-08	1.0E-08
CMA 3	6.6E-09	1.4E-09	6.3E-08	1.3E-08
CMA 4	8.8E-09	1.9E-09	8.4E-08	1.7E-08
CMA 5	9.8E-09	2.1E-09	9.4E-08	2.0E-08
CMA 6A/B	6.5E-09	1.4E-09	6.1E-08	1.3E-08
CMA 7A/B	6.1E-09	1.3E-09	5.7E-08	1.2E-08
CMA 8	5.2E-09	1.1E-09	5.0E-08	1.0E-08

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

Table 5-13. CTE and RME Hazard Indices (unitless) for Culvert 105 Study Area Utility Worker

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Pre-ICM	0.005	0.001	0.05	0.01
Current (CMA 1)	0.004	0.0008	0.04	0.008
CMA 2	0.0008	0.0002	0.008	0.002
CMA 3	0.001	0.0002	0.01	0.002
CMA 4	0.001	0.0003	0.01	0.003
CMA 5	0.002	0.0003	0.01	0.003
CMA 6A/B	0.001	0.0002	0.01	0.002
CMA 7A/B	0.0009	0.0002	0.009	0.002
CMA 8	0.0008	0.0002	0.008	0.002

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

Table 5-14. Deterministic CTE and RME Risk Results for Wooded Parcel Utility Worker

Analysis Method	Total Cancer Risk (unitless)		Hazard Index (unitless)	
	CTE	RME	CTE	RME
Default Deterministic	8E-09	1E-07	0.001	0.02
Site-Specific Deterministic	2E-09	2E-08	0.0003	0.003

Notes:

CTE = central tendency exposure

RME = reasonable maximum exposure

Table 5-15. CTE and RME Excess Lifetime Cancer Risks (unitless) for Roy-Hart Schoolchild

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Roy-Hart Schoolchild, CMA 1, 3, 4, 5, 6A, 7A	1.5E-06	1.2E-07	4.2E-06	4.2E-07
Roy-Hart Schoolchild, CMA 2	1.1E-06	9.4E-08	2.8E-06	3.2E-07
Roy-Hart Schoolchild, CMA 6B	1.2E-06	1.0E-07	3.4E-06	3.6E-07
Roy-Hart Schoolchild, CMA 7B, 8	1.1E-06	9.7E-08	3.1E-06	3.4E-07

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

RME = reasonable maximum exposure

Table 5-16. Soil RBCs Associated with Acceptable Risk Range for Adult plus Child Resident

Total Excess Lifetime Cancer Risk (unitless)	Soil RBC (mg/kg)	
	CTE	RME
7E-07 ^a	20	--
1E-06	43	NA ^b
7E-06 ^a	--	20
1E-05	690	49
1E-04	7,200	800

Notes:

-- = no data available

CTE = central tendency exposure

NA = not applicable

RBC = risk-based concentration

RME = reasonable maximum exposure

^a Although not associated with the target risk range, these are the risk values associated with CTE and RME soil concentrations of 20 mg/kg, which is considered by the Agencies as a "reasonable representation of background".

^b Arsenic in dust alone (setting the soil arsenic concentration to 0 mg/kg) results in a cancer risk of 5E-06. Therefore, an RME soil concentration associated with a risk of 1E-06 cannot be derived.

Table 5-17. Comparison of Property-Specific Mean Arsenic Concentrations^a with Cancer Risk Ranges Using CTE Exposure Factor Assumptions

Cancer Risk Range (unitless)	Soil RBC Range (mg/kg)	Number of Properties in Range ^b	
		Using Surface Sample Conc.	Using Overall Sample Conc.
< Background	<20	50	53
Background to 1.0E-06	20–<43	119	123
1.0E-06 to 1.0E-05	43–<690	21	14
1.0E-05 to 1.0E-04	690–<7,200	0	0
> 1.0E-04	≥7,200	0	0
Total Number of Properties		190	190

Notes:

CTE = central tendency exposure

RBC = risk-based concentration

^a As found in Appendix H, Table H-2 of the CMS report.

^b Property totals were calculated by counting R1a North and R1a South as separate properties, per Appendix H, Table H-2 of the CMS report.

Table 5-18. Comparison of Property-Specific Mean Arsenic Concentrations^a with Cancer Risk Ranges Using RME Exposure Factor Assumptions

Cancer Risk Range (unitless)	Soil RBC Range (mg/kg)	Number of Properties in Range ^b	
		Using Surface Sample Conc.	Using Overall Sample Conc.
< Background	<20	50	53
Background to 1.0E-05	20–<49	127	127
1.0E-05 to 1.0E-04	49–<800	13	10
> 1.0E-04	≥800	0	0
Total Number of Properties		190	190

Notes:

RBC = risk-based concentration

RME = reasonable maximum exposure

^a As found in Appendix H, Table H-2 of the CMS report.

^b Property totals were calculated by counting R1a North and R1a South as separate properties, per Appendix H, Table H-2 of the CMS report.

Table 5-19. Estimates of Inorganic Arsenic Intakes (mg/kg-day) in Middleport and Background U.S. Populations

Population	Mean	Range		Sources of Exposure	References
		Low	High		
Children 1–6 years	2.1E-04	1.1E-04 (10 th percentile)	4.1E-04 (95 th percentile)	Diet	Yost et al. 2004
Adults	4.6E-05	1.4E-05 (10 th percentile)	1.3E-04 (95 th percentile)	Diet	Schoof et al. 1999b
All ages	5.0E-05	0 (5 th percentile)	1.9E-04 (95 th percentile)	Diet	Xue et al. 2010
Male adults	9.0E-05	2.0E-05 (5 th percentile)	2.3E-04 (95 th percentile)	Diet, water, air, soil	Meacher et al. 2002
Female adults	7.4E-05	1.4E-05 (5 th percentile)	1.9E-04 (95 th percentile)	Diet, water, air, soil	Meacher et al. 2002
Lifetime	1.0E-04	2.9E-05 (5 th percentile)	2.3E-04 (95 th percentile)	Diet, water, soil	Boyce et al. 2008
Middleport Intakes					
Air deposition study area, background LADD	3.8E-07 (CTE)	--	3.9E-06 (RME)	Soil, dust; Site-specific deterministic calculation	Calculated in this HHRA
Air deposition study area, pre-ICM LADD	8.4E-07 (CTE)	--	9.0E-06 (RME)		
Air deposition study area, current LADD	4.9E-07 (CTE)	--	5.0E-06 (RME)		
Air deposition study area, CMA 3 LADD	4.3E-07 (CTE)	--	4.4E-06 (RME)		
Culvert 105 study area north of the canal, background LADD	4.3E-07 (CTE)	--	5.0E-06 (RME)		
Culvert 105 study area north of the canal, pre-ICM LADD	8.4E-07 (CTE)	--	9.0E-06 (RME)		
Culvert 105 study area north of the canal, current LADD	7.7E-07 (CTE)	--	9.5E-06 (RME)		
Culvert 105 study area north of the canal, CMA 3 LADD	3.7E-07 (CTE)	--	4.0E-06 (RME)		

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

HHRA = human health risk assessment

ICM = interim corrective measure

LADD = lifetime average daily dose

RME = reasonable maximum exposure

Middleport intakes were calculated as mg/kg-day. Other intakes were converted from µg/day by assuming the following body weights: 7.7 kg for infant; 15 kg for child 1–6 years; and 70 kg for adults, general population, "all ages," "various ages," lifetime, and when age not specified.

Table 6-1. Qualitative Uncertainty Analysis of Deterministic and Probabilistic Analyses

Category	Assumption/Approach	Default Deterministic		Site-Specific Deterministic		Site-Specific Probabilistic	
		Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount
Problem Formulation	Exclusion of outdoor dust inhalation	Under	1	Under	1	Under	1
	Exclusion of consumption of homegrown produce	Under	1	Under	1	Under	1
Exposure Assessment: EPCs	Soil CTE exposure point concentration	Either	1	Either	1	--	--
	Soil RME exposure point concentration	Over	2	Over	2	--	--
	Soil concentration input distribution	--	--	--	--	Either	1
	Dust CTE exposure point concentration	Either	1	Either	1	--	--
	Dust RME exposure point concentration	Over	1	Over	1	--	--
	Dust concentration input distribution	--	--	--	--	Either	1
	Assumption that a receptor's entire exposure comes from one data point within distribution	--	--	--	--	Either	2
	Lack of grid samples in Reach C3 of Culvert 105 study area north of the canal	Over	2	Over	2	Over	2
	Use of Middleport dust concentrations to represent background conditions	Over	1	Over	1	Over	1
	Use of current dust concentrations to represent post-CMA conditions	Over	1	Over	1	Over	1
Exposure Assessment: EF	Soil	Over	3	Over	2	Over	2
	Dust	Over	2	Either	2	Either	2
Exposure Assessment: FI	Soil	Either	2	Either	2	Either	2
	Dust	Either	2	Either	2	Either	2
Exposure Assessment: IR	CTE child	Over	3	Over	2	--	--
	RME child	Over	3	Over	2	--	--
	Child input distribution	--	--	--	--	Either	2
	CTE adult	Over	3	Over	3	--	--
	RME adult	Over	3	Over	3	--	--
	Adult input distribution	--	--	--	--	Either	3

Table 6-1. Qualitative Uncertainty Analysis of Deterministic and Probabilistic Analyses

Category	Assumption/Approach	Default Deterministic		Site-Specific Deterministic		Site-Specific Probabilistic	
		Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount
Exposure Assessment: Dermal Contact	CTE child adherence factor	Either	2	--	--	--	--
	RME child adherence factor	Either	2	--	--	--	--
	CTE adult adherence factor	Either	2	--	--	--	--
	RME adult adherence factor	Either	2	--	--	--	--
	CTE child surface area	Over	2	--	--	--	--
	RME child surface area	Over	2	--	--	--	--
	CTE adult surface area	Over	2	--	--	--	--
	RME adult surface area	Over	2	--	--	--	--
	CTE dermal absorption	Over	3	--	--	--	--
	RME dermal absorption	Over	3	--	--	--	--
Exposure Assessment: ED	CTE child	Either	2	Either	2	--	--
	RME child	Over	2	Over	2	--	--
	Child input distribution	--	--	--	--	Over	2
	CTE adult+child	Either	2	Either	2	--	--
	RME adult+child	Over	2	Over	2	--	--
	Adult+child input distribution	--	--	--	--	Over	2
Exposure Assessment: RBA	Input factor or distribution	Over	3	Either	1	Either	1
Exposure Assessment: BW	Child CTE and RME	Either	1	Either	1	--	--
	Child input distribution	--	--	--	--	Either	1
	Adult, noncancer CTE and RME	Either	1	Either	1	--	--
	Adult, noncancer input distribution	--	--	--	--	Either	1
	Adult, cancer CTE and RME	Either	1	Either	1	--	--
	Adult, cancer input distribution	--	--	--	--	Either	1

Table 6-1. Qualitative Uncertainty Analysis of Deterministic and Probabilistic Analyses

Category	Assumption/Approach	Default Deterministic		Site-Specific Deterministic		Site-Specific Probabilistic	
		Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount	Under- or Over- Estimate	Relative Amount
Toxicity Assessment	Critical endpoint	Either	2	Either	2	Either	2
	Dose response model	Either	3	Either	3	Either	3
	Inclusion of reference population	Over	3	Over	3	Over	3
	Exposure classification	Over	3	Over	3	Over	3
	Water consumption rates (Taiwanese vs. U.S.)	Over	2	Over	2	Over	2
	Non-water arsenic intake	Over	1	Over	1	Over	1
	U.S. population risk model	Either	2	Either	2	Either	2
	U.S. cancer incidence/mortality rate	Either	1	Either	1	Either	1
	Body weight (Taiwanese vs. U.S.)	Over	1	Over	1	Over	1

Notes:

-- = not applicable

BW = body weight

CMA = corrective measure alternative

CTE = central tendency exposure

ED = exposure duration

EF = exposure frequency

EPC = exposure point concentration

FI = fractional intake

IR = ingestion rate

RBA = relative bioavailability

RME = reasonable maximum exposure

Relative Uncertainty Scores:

1 = small

2 = medium

3 = large

Table 6-2. Quantitative Variability Analysis Using Air Deposition Study Area^a
 Adult Plus Child Residential Scenario, Cancer Effects

Run	Lifetime Average Daily Dose (mg/kg-day)	
	CTE	RME
1	4.06E-07	2.36E-06
2	3.97E-07	2.21E-06
3	4.09E-07	2.25E-06
4	4.01E-07	2.28E-06
5	4.06E-07	2.25E-06
6	3.96E-07	2.26E-06
7	4.03E-07	2.24E-06
8	4.15E-07	2.29E-06
9	3.97E-07	2.26E-06
10	4.14E-07	2.29E-06
Mean	4.04E-07	2.27E-06
Standard Deviation	6.84E-09	3.99E-08
Coefficient of Variance	1.69%	1.76%

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

RME = reasonable maximum exposure

^a Calculations were performed under current conditions (CMA 1).

Table 6-3. Quantitative Sensitivity Analysis

Parameter	Scenario Evaluated	Original Condition	Modified Condition	CTE			RME		
				Original Risk Result	Modified Risk Result	Ratio Modified/Original	Original Risk Result	Modified Risk Result	Ratio Modified/Original
Background Surface Soil Arsenic Concentration ^a	Air Deposition Study Area Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	Non-Cumulative Method with Outliers	4.2E-07	4.0E-07	0.95	2.6E-06	2.7E-06	1.1
	Air Deposition Study Area Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	2001 Work Plan Method without Outliers	4.2E-07	4.0E-07	0.94	2.6E-06	2.6E-06	1.0
	Air Deposition Study Area Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	Non-Cumulative Method without Outliers	4.2E-07	3.9E-07	0.93	2.6E-06	2.5E-06	0.98
	Culvert 105 Study Area North of the Canal Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	Non-Cumulative Method with Outliers	4.6E-07	4.2E-07	0.90	3.2E-06	3.1E-06	0.96
	Culvert 105 Study Area North of the Canal Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	2001 Work Plan Method without Outliers	4.6E-07	4.4E-07	0.95	3.2E-06	3.1E-06	0.95
	Culvert 105 Study Area North of the Canal Adult plus Child Resident, Cancer Effects	2001 Work Plan Method with Outliers	Non-Cumulative Method without Outliers	4.6E-07	4.1E-07	0.88	3.2E-06	2.8E-06	0.87
Child Soil Ingestion Rate	Air Deposition Study Area Adult plus Child Resident, Cancer Effects, Current Conditions	Lognormal distribution	Normal distribution	6.1E-07	6.7E-07	1.1	3.5E-06	3.8E-06	1.1
	Air Deposition Study Area Adult plus Child Resident, Cancer Effects, Current Conditions	50th percentile = 45 95th percentile = 124 Min = 0, Max = 1,000 (mg/day)	Mean = 100 95th percentile = 200 Min = 0, Max = 1,000 (mg/day)	6.1E-07	1.1E-06	1.7	3.5E-06	5.4E-06	1.5
Adult Soil Ingestion Rate	Air Deposition Study Area Adult plus Child Resident, Cancer Effects, Current Conditions	50th percentile = 22.5 95th percentile = 62 Min = 0, Max = 1,000 (mg/day)	Mean = 50 95th percentile = 100 Min = 0, Max = 1,000 (mg/day)	6.1E-07	7.1E-07	1.2	3.5E-06	4.4E-06	1.3
Soil Exposure Frequency	Air Deposition Study Area Adult plus Child Resident, Cancer Effects, Current Conditions	Weibull distribution Location = 225.68 Scale = 71.56, Shape = 4.01 Min = 104, Max = 330 (days/year)	Uniform distribution Min = 62, Max = 217 (days/year)	6.1E-07	4.6E-07	0.75	3.5E-06	2.7E-06	0.78

Table 6-3. Quantitative Sensitivity Analysis

Parameter	Scenario Evaluated	Original Condition	Modified Condition	CTE			RME		
				Original Risk Result	Modified Risk Result	Ratio Modified/Original	Original Risk Result	Modified Risk Result	Ratio Modified/Original
Child Exposure Duration	Air Deposition Study Area Adult plus Child Resident, Cancer Effects, Current Conditions	Min = 1 year	Min = 0 year	6.1E-07	5.5E-07	0.90	3.5E-06	3.3E-06	0.94

Notes:

CTE = central tendency exposure

RME = reasonable maximum exposure

^a Alternative background concentration distributions are as discussed in Attachment 2.

ATTACHMENT 1

SUMMARY OF MODIFICATIONS TO RISK MANAGEMENT APPROACH

ATTACHMENT 1 SUMMARY OF MODIFICATIONS TO RISK MANAGEMENT APPROACH

A description of the risk assessment approach was provided in the risk management approach document (Integral 2009). Based on review of comments received on the risk management approach document from the Agencies (USEPA et al. 2010) and Middleport community input group (MCIG) (MCIG 2010, pers. comm.), and based on additional information received following submission of the risk management approach document, aspects of the risk approach have been slightly modified. Modifications to the risk management approach are summarized in Table 1 below.

Table 1. Summary of Modifications to Risk Management Approach

Item Affected	Action	Rationale
Study areas/properties		
Wooded Parcel	Analyzed separately (as well as within Culvert 105 study area analyses)	Requires separate analyses because property contains gas and water lines that a utility worker may need to access
Roy-Hart school property	Analyzed separately (as well as within air deposition study area analyses)	Requires separate analyses to assess whether carcinogenic risks to Roy-Hart students might be elevated compared to post-ICM conditions in the community
Soil arsenic concentration data sets		
Air deposition study area data sets	Added sample data from properties B3, E8, I10, and S10	Sample data were made available following completion of the risk management approach document
Culvert 105 study area data sets	Added sample data from property B3	Sample data were made available following completion of the risk management approach document
Culvert 105 study area data sets	Added surface sample data	Utility worker may be exposed to surface and subsurface soils
Culvert 105 study area data sets	Removed samples not within 5 ft of the centerline of Culvert 105	Utility worker is most likely to be exposed to area within 5 ft of the culvert
Exposure factors		
Background house dust arsenic concentration	Used Tsuji et al. (2005) instead of Rasmussen et al. (2001)	Refer to Section 2.4.3 of the HHRA

Item Affected	Action	Rationale
House dust arsenic concentration	Changed CTE value from geometric mean to arithmetic mean	Other CTEs are consistently arithmetic means; house dust arsenic concentration 95UCL was calculated from arithmetic mean
House dust arsenic concentration	Corrected RME (95UCL) value	Calculation corrected; calculated from data presented in Tsuji et al. (2005) and Exponent (2004)
Relative bioavailability	Corrected RME description	RME presented is a mean, not 95UCL, value
Child adherence factor	Corrected exposure factor description	Parameter was used in default analyses, not site-specific (dermal exposures were not evaluated in site-specific analyses)
Surface area	Corrected (reversed) child and adult surface areas	Surface areas for children and adults were reversed

Notes:

95UCL = 95 percent upper confidence limit on the mean

CTE = central tendency exposure

HHRA = human health risk assessment

ICM = interim corrective measure

RME = reasonable maximum exposure

Roy-Hart = Royalton-Hartland

References

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MCIG. 2010. Personal communication (e-mail to B. McGinnis, W. Lachell, and E. Rankin, regarding MCIG comments concerning risk assessment, dated March 17, 2010). Middleport Community Input Group, Middleport, NY.

USEPA, NYSDOC, and NYSDOH. 2010. Letter re: FMC Corporation, Middleport, NY, EPA ID No. NYD002126845, AOC Docket No. II-RCRA-90-3008(h)-0209, Arsenic Air Deposition Area 1 and Culvert 105, FMC's Corrective Measures Study (CMS), FMC's October 30, 2009 Risk Management Approach Document, to R. Forbes, Director, Environment, FMC Corporation, Philadelphia, PA, dated March 23, 2010. U.S. Environmental Protection Agency, New York Department of Environmental Conservation, and New York State Department of Health.

ATTACHMENT 2 SOIL ARSENIC DATA ANALYSIS

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INTRODUCTION

This document details the derivation and evaluation of soil arsenic data sets used to support the human health risk assessment (HHRA) for the suspected air deposition and Culvert 105 study areas associated with the corrective measures study (CMS) for the FMC Corporation (FMC) Middleport, New York, facility. The procedures and assumptions used to construct Middleport soil arsenic data sets relevant to the HHRA, including data sets representing pre-interim corrective measures (ICM), current, and post-corrective measure alternative (CMA) conditions for each study area, are provided below. A subsequent section details the derivation of background surface soil data sets for arsenic concentrations in the absence of any impact from the FMC facility that reflect the specific land use distributions in the air deposition study area and the Culvert 105 study area north of the canal. The final section provides a comparison of the Middleport HHRA data sets with the constructed background data sets.

MIDDLEPORT HHRA SOIL ARSENIC DATA SETS

For the purposes of the various exposure scenarios relevant to the HHRA, Middleport soils are grouped into the following categories:

- Surface soils in the air deposition study area, including surface soils along the Culvert 105 study area located south of the Erie Canal
- Surface soils in the Culvert 105 study area north of the canal
- Surface and subsurface soils along Culvert 105 within the Culvert 105 study area (both north and south of the canal)
- Surface and subsurface soils in the Wooded Parcel, which is located within the air deposition study area
- Surface soils within the Royalton-Hartland (Roy-Hart) school property, which is located within the air deposition study area.

Arsenic soil data corresponding to these soil categories were compiled from multiple data sources. In April 2008, Arcadis provided Integral with a database containing analytical data for soil samples collected within the RFI/CMS “Suspected Air Deposition Study Area 1 (south of the Erie Canal and west of the Niagara/Orleans county line)” (air deposition study area). In March 2009, additional soil sample data were provided specific to the RFI/CMS properties traversed by the “Culvert 105 stormwater conveyance system and its flood zone” located north of the Erie Canal (Culvert 105 study area north of the canal). Soil sample data pertaining to properties traversed by the Culvert 105 study area located south of the Erie Canal were included in the April 2008 database and again with the March 2009 additional data. Soil sample data for the air deposition and Culvert 105 study areas were also provided in Volumes II and IV of the RFI report (Arcadis 2009a,b).

A number of data sets were developed for each soil category listed in the bullets above, to represent historical (prior to implementation of any ICM), current, and potential future (following implementation of the proposed CMAs) conditions. These data sets are used in the Middleport HHRA as the basis for estimating risks associated with each study area and with the array of historic and possible future conditions.

All of the soil categories for which data sets were constructed include properties that have undergone ICMs. In these instances, pre-ICM arsenic levels were replaced with post-remediation concentrations, where appropriate, to generate concentration data sets that are representative of current conditions. Post-remediation concentrations for samples removed in an ICM were based on average arsenic levels in available topsoil backfill sample data, given in Table 1. In general, topsoil was used as backfill for the top 6 in. of soil. Areas excavated beyond 6 in. bgs were backfilled with common backfill or general fill.

Table 1. Topsoil Backfill Sources and Arsenic Concentrations

Interim Corrective Measure	Topsoil Backfill Source(s)	Average Arsenic Concentration (mg/kg)
1999 Roy-Hart Football Field	Shelby Crushed Stone Quarry, Krantz	3.7
2003 West Properties	Shelby Crushed Stone Quarry	3.8
2007-2008 Early Actions (conducted in 2007, all properties except Wooded Parcel/P-14)	Shelby Crushed Stone Eagle Harbor Pit	2.9
2007-2008 Early Actions (conducted in 2007, Wooded Parcel/P-14)	Pariso Pit	9.4
2007-2008 Early Actions (conducted in 2008)	Shelby Crushed Stone Blair Road Pit	4.0

Post-CMA data sets were also generated for soil categories where CMAs are evaluated in the CMS report. Current soil arsenic concentrations for properties identified to undergo future remediation as part of each CMA were replaced with a backfill concentration of 5 mg/kg.

Further description of the Middleport data sets and the steps taken to construct the Middleport database from the multiple data sources referenced above is summarized below and detailed in Exhibit 1.

Air Deposition Study Area—Pre-ICM, Current, and Post-CMA Surface Soil

The following filtering mechanisms were applied to the Middleport HHRA database of 5,542 data points to create the historical (pre-ICM), current, and potential future (post-CMA) air deposition study area data sets used for this assessment:

- Only samples collected from properties in the air deposition study area were included. The properties included in the air deposition study area are shown in Figure 1-1¹ of the CMS report.
- Only surface samples were included. A surface sample is defined as one having a start depth of 0 in. below ground surface (bgs) (end depths vary from 0.5 to 6 in. bgs).

Based on these filtering mechanisms, the total number of surface soil samples included in the air deposition study area data sets is 1,873.

Culvert 105 Study Area North of the Canal—Pre-ICM, Current, and Post-CMA Surface Soil

The following filtering mechanisms were applied to the Middleport HHRA database of 5,542 data points to create the historical (pre-ICM), current, and potential future (post-CMA) Culvert 105 study area north of the canal data sets used for this assessment:

- Only samples collected from properties in the Culvert 105 study area north of the canal were included. The properties included in the Culvert 105 study area north of the canal are shown in Figure 1-1 of the CMS report.
- Only surface samples were included. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 3 to 6 in. bgs).

Based on these filtering mechanisms, the total number of surface soil samples included in the data sets for the Culvert 105 study area north of the canal is 288.

The only ICM performed in the Culvert 105 study area north of the canal was the 2007-2008 Early Actions ICM conducted in 2007.

Culvert 105 Study Area—Pre-ICM, Current, and Post-CMA Surface and Subsurface Soils

For the purposes of this assessment, the Culvert 105 study area data sets generated include all samples at all depths (surface and subsurface) collected from within 5 ft. of the centerline of the culvert, as delineated in Figure 1-1 of the CMS report. Of the 5,542 data points in the Middleport HHRA database, 408 samples were included in the historical (pre-ICM), current, and potential future (post-CMA) Culvert 105 study area data sets.

The only ICM performed along the portion of the Culvert 105 study area relevant to the HHRA was the 2007-2008 Early Actions ICM conducted in 2007, which affected samples collected from both above and below 6 in. bgs. Topsoil backfill concentrations are included

¹ Sample data from properties designated as “no further action” (NFA) and other non-CMS properties within the air deposition study area were included in the data sets used for the HHRA. Because a community-wide risk assessment was conducted, and the community can potentially be exposed to all properties within the air deposition study area, all air deposition study area sample data were considered relevant.

in Table 1. The average arsenic concentration for general fill used during the 2007-2008 Early Actions ICM conducted in 2007 is 3.2 mg/kg.²

Wooded Parcel—Pre-ICM and Current Surface and Subsurface Soils

The Wooded Parcel data sets generated for this assessment include all samples at all depths (surface and subsurface) collected from within the Wooded Parcel property, shown in Figure 1-1 of the CMS report as the southernmost property traversed by Culvert 105. Of the 5,542 data points in the Middleport HHRA database, 94 samples were included in the historical (pre-ICM) and current Wooded Parcel data sets.

The only ICMs performed within the Wooded Parcel were the 2007-2008 Early Actions ICM conducted in 2007, which affected samples collected from both above and below 6 in. bgs, and the 2007-2008 Early Actions ICM conducted in 2008, which affected only samples collected from above 6 in. bgs. Topsoil backfill concentrations are included in Table 1. The average arsenic concentration for general fill used during the 2007-2008 Early Actions ICM conducted in 2007 is 3.2 mg/kg.³

Future remediation activities are not proposed for the Wooded Parcel. Therefore, post-CMA Wooded Parcel data sets were not generated.

Roy-Hart School Property—Pre-ICM, Current, and Post-CMA Surface Soils

The following filtering mechanisms were applied to the Middleport HHRA database of 5,542 data points to create the historical (pre-ICM) and current Roy-Hart school property data sets used for this assessment:

- Only samples collected from the Roy-Hart school property were included. The Roy-Hart school property is shown in Figure 3-2 of the CMS report as the large public/institutional property.
- Only surface samples were included. A surface sample is defined as one having a start depth of 0 in. bgs (end depths vary from 1.992 to 6 in. bgs).

Based on these filtering mechanisms, the total number of surface soil samples included in the Roy-Hart school property data sets is 145.

The only ICM performed within the Roy-Hart school property was the 1999 Roy-Hart Football Field ICM.

² The source of this general fill was the Shelby Crushed Stone Blair Road Pit.

³ The source of this general fill was the Shelby Crushed Stone Blair Road Pit.

MIDDLEPORT CONSTRUCTED BACKGROUND SOIL ARSENIC DATA SETS

Middleport background conditions (i.e., soil arsenic concentrations that would have existed if FMC's facility had not operated) are assumed to be represented by the soil arsenic concentrations in Gasport, New York, a town located 4.5 miles west of Middleport with similar soil characteristics and historical land uses, but not impacted by FMC plant operations. Background data were derived from 103 surface soil samples (start depth 0 in. bgs, end depth 3 in. bgs) collected in Gasport and documented in Table 1 of *Development of Arsenic Background in Middleport Soils* (CRA 2003). The Gasport samples are categorized as follows: orchard (12 samples), wooded-agricultural (56 samples), commercial-industrial (12 samples), and residential-public (23 samples). The total number of samples includes four samples in the wooded-agricultural land group identified as potential outliers by statistical analysis, though they are valid samples representative of actual environmental conditions in the wooded-agricultural land group. The total sample number does not include nine additional orchard land group samples collected in 1989 and described in a later report (Gradient 2007), which has not undergone agency review. Arsenic was detected in all of the Gasport samples.

Because the distribution of samples collected in Gasport for different property types is not proportional to the distribution of property types present within the air deposition study area or the Culvert 105 study area north of the canal, it is necessary to aggregate the Gasport samples in a way that matches the property type distributions within the Middleport study areas.⁴ Much as the distribution of land by property type in Gasport does not match the distribution by property type in Middleport, the air deposition study area and Culvert 105 study area north of the canal are also subsets of the entire Middleport area, each with their own unique distribution of land by property type. Further, there is some uncertainty regarding the property type distributions in Middleport and in these two study areas due to limitations on documentation of the historical locations and extents of orchards.⁵ To address this uncertainty, two sets of property type/land usage weighting factors were evaluated for each study area (Table 2), including the 2001 Gasport Background Study Work Plan Method (2001 Work Plan Method) factors and the Non-Cumulative Orchard Method (Non-Cumulative Method) factors. The property type/land usage weighting factors are analogous to those calculated for the entire Middleport area as provided in the *RCRA Facility Investigation (RFI) Report Volume I – Background and Related Information* (Arcadis and AMEC Geomatrix 2009), and were derived as described in Arcadis (2009c). The background data

⁴ Because subsurface soil arsenic concentrations were not measured in Gasport, background data sets could not be derived for the Culvert 105 study area or Wooded Parcel. A background data set comparable to the Roy-Hart school property was not derived because insufficient samples were collected from school property in Gasport to derive a distribution specific to the school and because the comparison of interest was with the air deposition study area.

⁵ Widespread historical application of arsenical pesticides to orchards makes this land use designation influential in establishing a background distribution.

sets created also varied as to whether the four potential wooded-agricultural outliers in the Gasport data set were incorporated.

Table 2. Property Type/Land Usage Group Weighting Factors

Property Group Weighting Factor Estimation Method	Property Type/Land Usage Group Weighting Factors (%)			
	Wooded/ Overgrown/ Agricultural Crop Field	Commercial/ Industrial	Residential/ Public	Orchard
Air Deposition Study Area ^a – 2001 Work Plan Method ^b	33	7.1	53	6.4
Air Deposition Study Area ^a – Non-Cumulative Method ^c	41	6.4	51	1.4
Culvert 105 Study Area North of the Canal ^d – 2001 Work Plan Method ^b	44	7.4	7.3	41
Culvert 105 Study Area North of the Canal ^d – Non-Cumulative Method ^c	62	7.2	8.3	23

^a Referred to as air deposition study area 1 in Arcadis 2009c.

^b Based on cumulative orchard areas within two time periods.

^c Based on non-cumulative orchard areas and time period represented by eight specific years.

^d Referred to as Culvert 105 north study area in Arcadis 2009c.

Each background data set was generated via a similar process. First, the Gasport samples were subdivided into land use categories. Each subset of land use category sample results, as well as the entire Gasport data set, was imported into both Oracle's Crystal Ball® software (Gentry et al. 2005) and the U.S. Environmental Protection Agency's ProUCL software (USEPA 2009⁶) for distribution goodness-of-fit testing. Following selection of an appropriate distribution for each land use data subset, a larger data subset of 1,000 forecast values was generated for each land use category using Crystal Ball®. Finally, background condition data sets of approximately 1,873 total values, representing the air deposition study area, and 288 total values, representing the Culvert 105 study area north of the canal, were generated by sampling from each of the forecast data subsets according to each set of property type/land usage group weighting factors in Table 2. The total numbers were selected to match the number of available sample values specific to each study area data set.⁷ This process was also repeated for each set of property type/land usage group weighting factors in Table 2,

⁶ A comparison between ProUCL versions 4.00.04 (USEPA 2009) and 4.1 (USEPA 2010) showed no difference in results for study area data sets. Therefore, background data sets, which were unchanged between the July 12, 2010, agency review draft HHRA (prior to the release of ProUCL version 4.1) and the current draft document, were not reanalyzed.

⁷ The number of data points required for each background data set land usage group was calculated based on the total number of values desired and the particular property type/land usage group weighting factor. Because of rounding during calculations, the final number of values in each background data set was not always exactly equal to the number of available sample values specific to each study area data set. In no case was the difference between the final number of values and the targeted total number of values more than one.

excluding the four potential wooded-agricultural outliers. Details of the process are explained below.

Determining Gasport Property Type/Land Usage Group Distributions

The distributions of each land use data subset and the entire Gasport data set were evaluated using Crystal Ball® and ProUCL, both including and excluding the potential outliers in the wooded-agricultural data subset. Both software programs were used for comparative purposes. In addition, in the multiple cases where one of the two programs could not identify an appropriate distribution (Table 3), the other program was used to select a fitting distribution.

Crystal Ball® testing employed Anderson-Darling, Chi square, and Kolmogorov-Smirnov analyses for ranking the fit of the original values for each land use data subset against 14 available distribution types. A distribution was selected as the best fit if the test statistics were the lowest for at least two of the three available tests. Crystal Ball® was not used to evaluate the commercial-industrial and orchard data subsets because they each contained fewer than 15 samples and Crystal Ball® does not perform distribution testing on sample sizes smaller than 15. For these data subsets, ProUCL was used.

ProUCL testing employed Lilliefors, Anderson-Darling, and Kolmogorov-Smirnov analyses for evaluating each land use data subset against three available distribution types: normal, gamma, and lognormal. The recommended distribution, as well as any other distributions that were identified to fit the data at a 0.05 significance level, were considered for distribution type selection. The distributions selected according to the Crystal Ball® and ProUCL results are shown in Table 3.

Generating Forecast Values

The selected distributions (Table 3) were specified in Crystal Ball® for each set of land use category sample results so that larger data subsets consisting of 1,000 forecast values could be created. In Crystal Ball®, forecast values are randomly generated numbers drawn from a specified distribution. Crystal Ball® would not allow the distributions for the commercial-industrial and orchard land groups to be specified because of the small sample subsets available, so distribution parameters for these two groups were calculated manually and incorporated directly into Crystal Ball® for generation of forecast values. Both land groups were determined to be gamma-distributed by ProUCL, so the parameters used to characterize these distributions were the location, scale, and shape (Table 4). Based on a graphical comparison of the original data values and the generated forecast values for the commercial-industrial (Figure 1) and orchard (Figure 2) land groups, the parameters appear to yield distributions reasonably similar to those of the original Gasport data.

Table 3. Property Type/Land Usage Data Subset Distribution Selections

Property Type	Crystal Ball®	ProUCL			Final Selection
	Best	Recommended	Other	Other	
Wooded-Agricultural with Outliers	Lognormal	Lognormal	--	--	Lognormal
Wooded-Agricultural without Outliers	Gamma	None ^a	--	--	Gamma
Commercial-Industrial	NA ^b	Gamma	Lognormal	--	Gamma
Orchard	NA ^b	Gamma	Lognormal	--	Gamma
Residential-Public	Lognormal	Normal	Lognormal	Gamma	Lognormal
All with Outliers ^c	Lognormal	None ^a	--	--	Lognormal
All without Outliers ^c	Lognormal	None ^a	--	--	Lognormal

-- = no data available

NA = not applicable

^a ProUCL did not select any of the three distribution types available to it.

^b Unable to be determined due to small sample size.

^a Not used for analysis; presented for informational purposes only.

Table 4. Commercial-Industrial and Orchard Property Type/Land Usage Data Subset Distribution Parameters (mg/kg)

	Commercial-Industrial	Orchard
Location	0	0
Scale	8.2	41
Shape	1.4	0.82

A graphical comparison was made of the original data values and the generated forecast values for the remaining property type/land usage groups, including the wooded-agricultural group incorporating potential outliers (Figure 3), the wooded-agricultural group excluding potential outliers (Figure 4), and the residential-public group (Figure 5).

As with the commercial-industrial and orchard land groups, the previously shown generated data subsets appear to be similar to those of the original Gasport data.

Generating Background Data Sets

Background data sets were compiled by extracting a certain number of values from each forecast data subset, based on the fraction of total values dictated by the relevant property type/land usage group weighting factor (Table 2). The extracted forecast values for each land group were then combined to create background data sets with approximately 1,873 total values for the air deposition study area and 288 total values for the Culvert 105 study area north of the canal (i.e., the same number as the number of surface soil samples in the

study area data set).⁸ Four background data sets were created for each study area, based on whether the wooded-agricultural land group outliers were factored into generation of the forecast values and which of the land use weighting factors were incorporated.

COMPARISON OF THE MIDDLEPORT HHRA AND BACKGROUND SOIL ARSENIC DATA SETS

Following is a comparison of the Middleport and background soil arsenic data sets. Soil samples were evaluated by comparing Middleport arsenic concentrations prior to and following remediation, and to background conditions where applicable. For study areas potentially subject to future remedial activities, pre-ICM, current, and (where applicable) background arsenic concentrations were also compared to post-CMA arsenic concentrations. These comparisons were performed visually via histograms and cumulative frequency distributions.

The two example background data sets included in the evaluations shown below incorporate the 2001 Work Plan Method calculations for the air deposition study area or the Culvert 105 study area north of the canal and the four potential Gasport wooded-agricultural outliers. As previously discussed, a background data set comparable to the Culvert 105 study area and Wooded Parcel could not be derived. A background data set comparable to the Roy-Hart school property was not derived because there were insufficient samples on school property in the Gasport data set and because the comparison of interest was with the air deposition study area. These background data sets were selected as the most logical choices for comparison because the property type/land usage group weighting factors were calculated as described in an approved RFI report (Arcadis and AMEC Geomatrix 2009), and the data sets incorporate outliers that were identified as such by statistical analysis, but are valid samples representative of actual environmental conditions.

Comparison of Middleport Pre-ICM and Current Distributions

For the two Middleport study areas where receptors of concern include child and adult residents, including the air deposition study area and the Culvert 105 study area north of the canal, a histogram was generated for comparison of surface soil arsenic concentrations prior to and following remedial activities performed as recently as the 2007-2008 Early Actions ICM conducted in 2008 (Figures 6 and 7). These charts were created to examine how the remedial measures performed to date have affected the distributions of arsenic concentrations in the two study areas.⁹

⁸ Because of rounding during calculations, the final number of values in each background data set was not always exactly equal to the number of samples in the study area data set. In no case was the difference between the final number of values and the targeted total number of values more than one.

⁹ Of 1,873 sample locations included in the air deposition study area data sets, 242 sample locations had undergone remedial activities as of the end of 2008. Of 288 sample locations included in the data sets for the

As expected, Figure 6 shows that remediation efforts performed to date have affected the arsenic concentrations for the air deposition study area by shifting the concentration distribution to the left. There has been a large increase in very low values due to low backfill arsenic concentrations and an associated decrease in the highest arsenic concentrations. A similar effect on the arsenic concentration distributions for the Culvert 105 study area north of the canal is depicted in Figure 7.

For all five categories of site soils of relevance for the HHRA, cumulative frequency distributions were generated to further illustrate the distributions of arsenic concentrations. The pre-ICM and current concentration cumulative frequency distributions for the air deposition study area and the Culvert 105 study area north of the canal are discussed in the preceding section evaluating background data sets. The pre-ICM and current concentration cumulative frequency distributions for the Culvert 105 study area, Wooded Parcel, and Roy-Hart school property are shown in Figures 8–10.¹⁰ In these figures, a reference line of 20 mg/kg, a potential remediation level considered by the New York State Department of Environmental Conservation and the U.S. Environmental Protection Agency in consultation with the New York State Department of Health (collectively referred to as “the Agencies”), is also shown.

Comparison of Middleport and Constructed Background Distributions

The pre-ICM, current, and post-CMA soil sample data sets for the air deposition study area and Culvert 105 study area north of the canal and the eight generated background data sets were evaluated by Crystal Ball® and ProUCL (USEPA 2010) for the best fitting distributions. The same process was followed as that previously discussed for the Gasport property type/land usage data subsets. This evaluation was performed to establish whether the data sets could be incorporated into Crystal Ball® for probabilistic risk assessment. The distributions selected based on the Crystal Ball® and ProUCL test results are shown in Table 5.

Also included in Table 5 are the best-fitting distributions for the pre-ICM, current, and (where applicable) post-CMA soil sample data sets for the Culvert 105 study area, Wooded Parcel, and Roy-Hart school property. Although risks for these study areas were analyzed deterministically only, not probabilistically, the distributions for these data sets are presented for informational purposes.

Culvert 105 study area north of the canal, 37 sample locations had undergone remedial activities as of the end of 2008. No remedial activities have occurred since 2008.

¹⁰ Of 408 sample locations included in the Culvert 105 study area data set, 70 sample locations had undergone remedial activities as of the end of 2008. Of 94 sample locations included in the Wooded Parcel data set, 72 sample locations had undergone remedial activities as of the end of 2008. Of 145 sample locations included in the Roy-Hart school property data set, 59 sample locations had undergone remedial activities as of the end of 2008. No remedial activities have occurred since 2008.

Table 5. Middleport and Background Surface Soil Data Set Distribution Selections

Data Set ^a	Selected Distribution ^b
Background – All ^c	Lognormal
Air Deposition Study Area – Pre-ICM	Lognormal
Air Deposition Study Area – CMA 1	Max Extreme
Air Deposition Study Area – CMA 2	Lognormal
Air Deposition Study Area – CMA 3	Weibull
Air Deposition Study Area – CMA 4	Weibull
Air Deposition Study Area – CMA 5	Weibull
Air Deposition Study Area – CMA 6A	Weibull
Air Deposition Study Area – CMA 6B	Weibull
Air Deposition Study Area – CMA 7A	Weibull
Air Deposition Study Area – CMA 7B	Weibull
Air Deposition Study Area – CMA 8	Weibull
Culvert 105 Study Area North of the Canal – Pre-ICM	Lognormal
Culvert 105 Study Area North of the Canal – CMA 1	Lognormal
Culvert 105 Study Area North of the Canal – CMA 2	Lognormal
Culvert 105 Study Area North of the Canal – CMA 3	Lognormal
Culvert 105 Study Area North of the Canal – CMA 4	Lognormal
Culvert 105 Study Area North of the Canal – CMA 5	Lognormal
Culvert 105 Study Area North of the Canal – CMA 6A/B ^d	Lognormal
Culvert 105 Study Area North of the Canal – CMA 7A/B ^d	Lognormal
Culvert 105 Study Area North of the Canal – CMA 8	Lognormal
Culvert 105 Study Area ^e – Pre-ICM	Lognormal
Culvert 105 Study Area ^e – CMA 1	Lognormal
Culvert 105 Study Area ^e – CMA 2	Lognormal
Culvert 105 Study Area ^e – CMA 3	Lognormal
Culvert 105 Study Area ^e – CMA 4	Lognormal
Culvert 105 Study Area ^e – CMA 5	Lognormal
Culvert 105 Study Area ^e – CMA 6A/B ^d	Lognormal
Culvert 105 Study Area ^e – CMA 7A/B ^d	Lognormal
Culvert 105 Study Area ^e – CMA 8	Lognormal
Wooded Parcel ^e – Pre-ICM	Weibull
Wooded Parcel ^e – Current	Weibull ^f

Table 5. Middleport and Background Surface Soil Data Set Distribution Selections

Data Set ^a	Selected Distribution ^b
Roy-Hart School Property ^e – Pre-ICM	Lognormal
Roy-Hart School Property ^e – Current ^g	Beta ^f
Roy-Hart School Property ^e – CMA 2	Lognormal
Roy-Hart School Property ^e – CMA 6B	Weibull
Roy-Hart School Property ^e – CMA 7B/8 ^d	Lognormal ^f

^a For a description of each data set, refer to Appendix F, Table 1-1 of the CMS report.

^b Distributions shown were recommended as best fitting by Crystal Ball[®]. ProUCL did not recommend any distributions for any of the data sets, with the exceptions of the pre-ICM surface soil data set for the Culvert 105 study area north of the canal, for which a lognormal distribution was recommended, and the Wooded Parcel pre-ICM surface/subsurface soil data set, for which approximate gamma and lognormal distributions were recommended. This difference between programs exists because Crystal Ball[®] selects 1 of 14 available distributions with the best fit regardless of level of significance, while ProUCL recommends distributions from a list of only three distribution types and only if the level of significance is at least 0.05.

^c All background data sets were found to share the same distribution type. These include air deposition study area, 2001 Work Plan Method with and without outliers, Non-Cumulative Method with and without outliers; Culvert 105 study area north of the canal, 2001 Work Plan Method with and without outliers, Non-Cumulative Method with and without outliers.

^d Multiple CMAs are combined because, for these particular areas/properties, the various CMA data sets are identical.

^e Risks were analyzed deterministically, not probabilistically; distributions are presented for informational purposes only.

^f For these data sets, Crystal Ball[®] recommended three different distributions as best-fitting depending on the analyses used. The distribution as recommended by Anderson-Darling analysis was selected for inclusion in the table.

^g Current conditions at the Roy-Hart school property are maintained for CMAs 1, 3, 4, 5, 6A, and 7A.

For the air deposition study area and the Culvert 105 study area north of the canal, histograms and cumulative frequency distributions were generated for comparison of current surface soil arsenic concentrations and background conditions (Figures 11–14). The background data sets shown in the figures incorporate the 2001 Work Plan Method calculations for the air deposition study area or for the Culvert 105 study area north of the canal, including the four potential Gasport wooded-agricultural outliers.

Comparisons between current and background conditions for the air deposition study area are shown in Figures 11 and 12. In Figure 12, a reference line of 20 mg/kg, a potential remediation level considered by the Agencies, is also shown.

Comparisons between current and background conditions for the Culvert 105 study area north of the canal are shown in Figures 13 and 14.

Although remediation efforts performed to date have previously been shown to shift the Middleport arsenic concentration distributions toward lower values, current Middleport

concentrations are still generally elevated above those of the generated background data sets (Figures 11–14). The Middleport data sets contain higher and a wider range of concentrations, while the background data sets have a narrower spread of concentrations located closer to the low end of possible values (Figures 11 and 13). Approximately half of current air deposition study area surface soil data are above the 20 mg/kg reference value, while approximately 10 percent of modeled background data are above 20 mg/kg (Figure 12).¹¹ Approximately half of current data for surface soils in the Culvert 105 study area north of the canal are above the 20 mg/kg reference value, while approximately 20 percent of modeled background data are above 20 mg/kg (Figure 11).

Comparison of Middleport Corrective Measure Alternative Distributions

Properties within the air deposition study area, potentially including the Roy-Hart school property, the Culvert 105 study area north of the canal, and the Culvert 105 study area could undergo future remediation as part of each of the proposed CMAs.¹² To illustrate the changes in arsenic concentrations that would occur following implementation of each CMA, cumulative frequency distributions including pre-ICM, current, post-CMA, and (where applicable) background soil arsenic concentrations were generated (Figures 15–18).

As expected, Figures 15–18 show that potential future remedial activities will affect the arsenic concentrations for the study areas by shifting the concentration distributions to the left. There will be an increase in very low values due to low backfill arsenic concentrations (5 mg/kg) and an associated decrease in the highest arsenic concentrations.

These distributions were used as the basis for the risk calculations presented in the HHRA for each CMA.

¹¹ The estimate of the amount of soil samples expected to have background arsenic concentrations above 20 mg/kg is in part a function of the selection of analysis method (e.g., the 2001 Work Plan Method including the outliers). Regardless of the analysis method, some amount of background is expected to be above 20 mg/kg because several samples in the Gasport background data set had concentrations above 20 mg/kg.

¹² Future remediation activities are not proposed for the Wooded Parcel.

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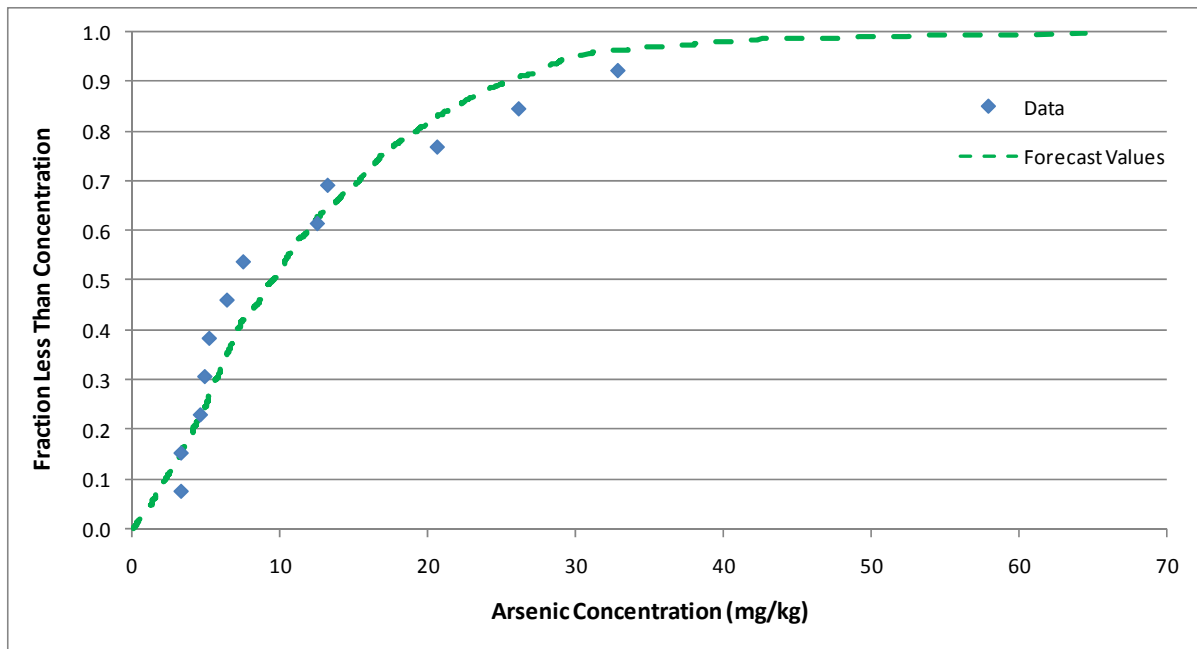


Figure 1. Comparison of Commercial-Industrial Property Type/Land Usage Data to Forecast Values

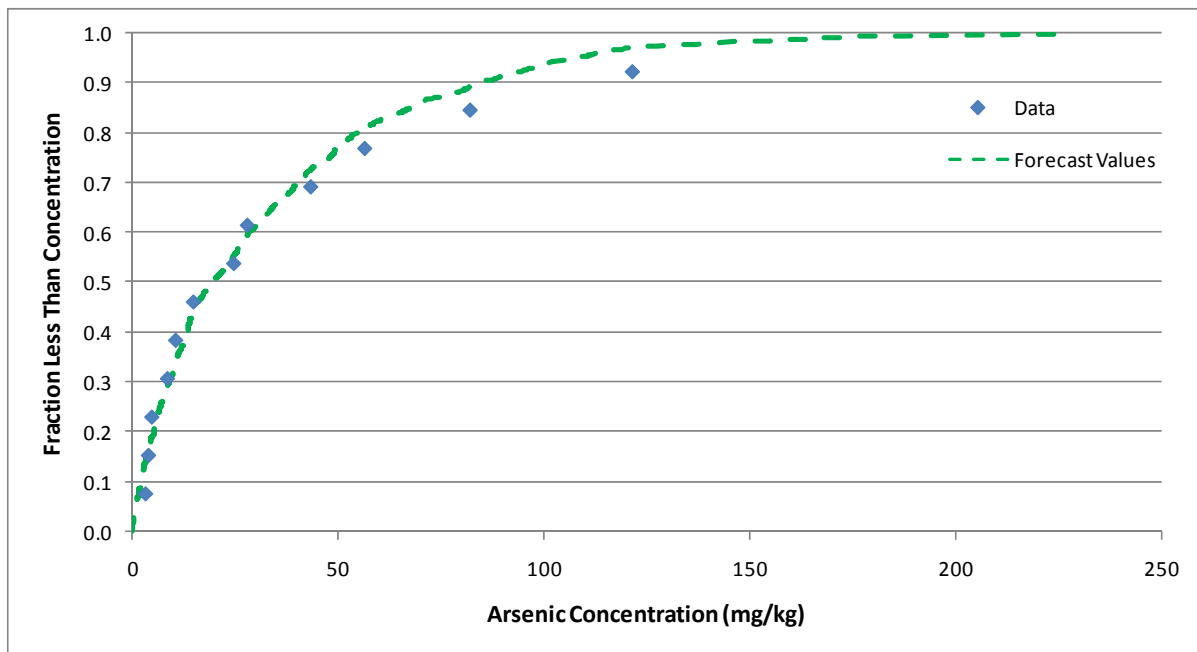


Figure 2. Comparison of Orchard Property Type/Land Usage Data to Forecast Values

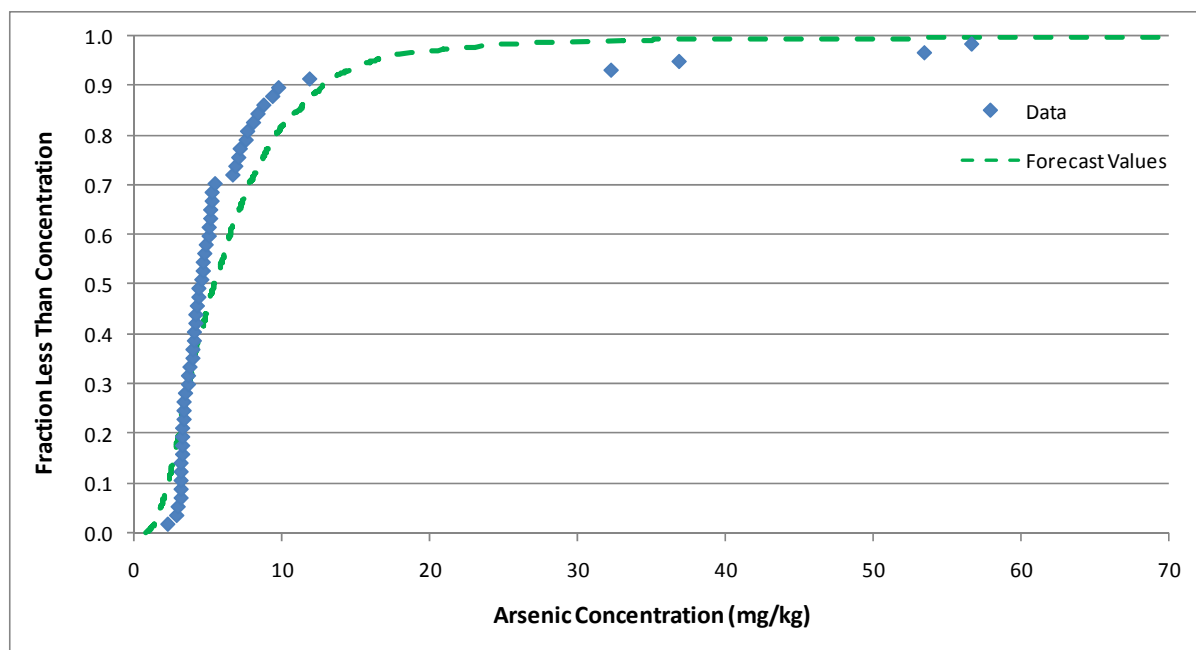


Figure 3. Comparison of Wooded-Agricultural Property Type/Land Usage Data with Outliers to Forecast Values

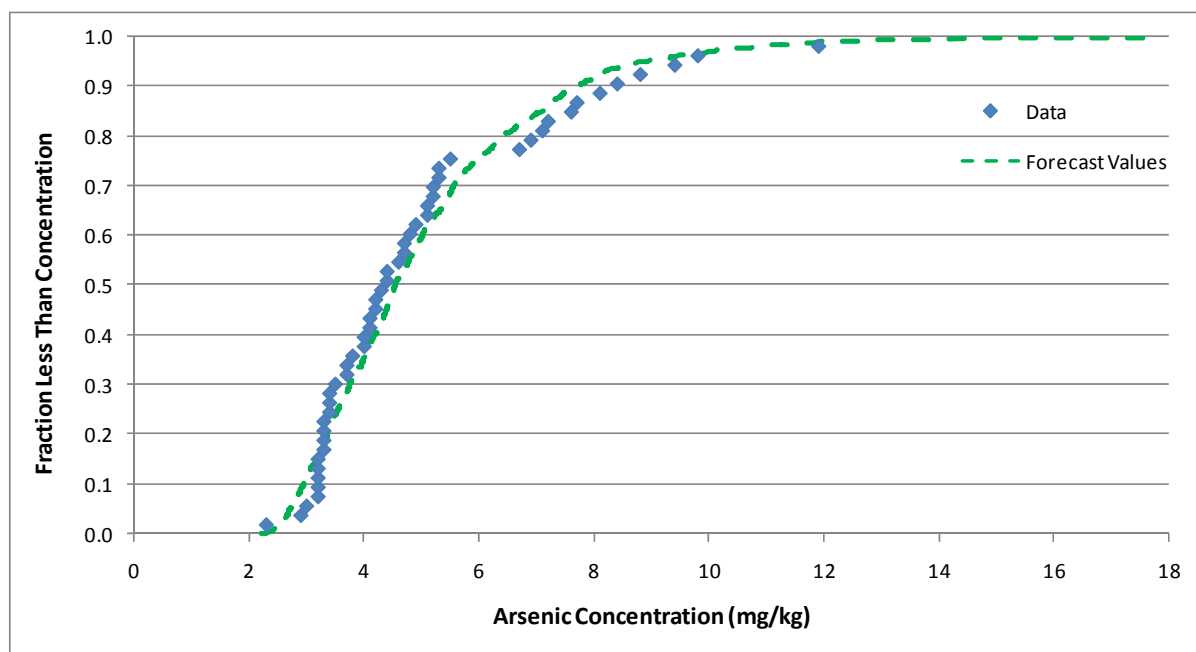


Figure 4. Comparison of Wooded-Agricultural Property Type/Land Usage Data without Outliers to Forecast Values

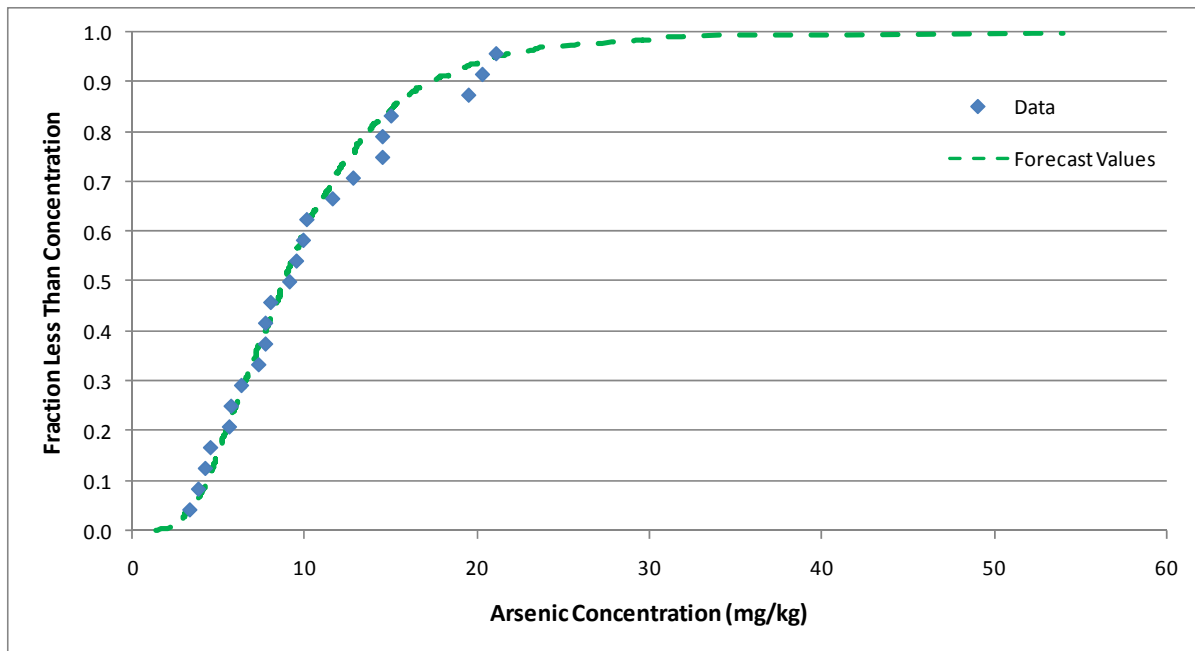


Figure 5. Comparison of Residential-Public Property Type/Land Usage Data to Forecast Values

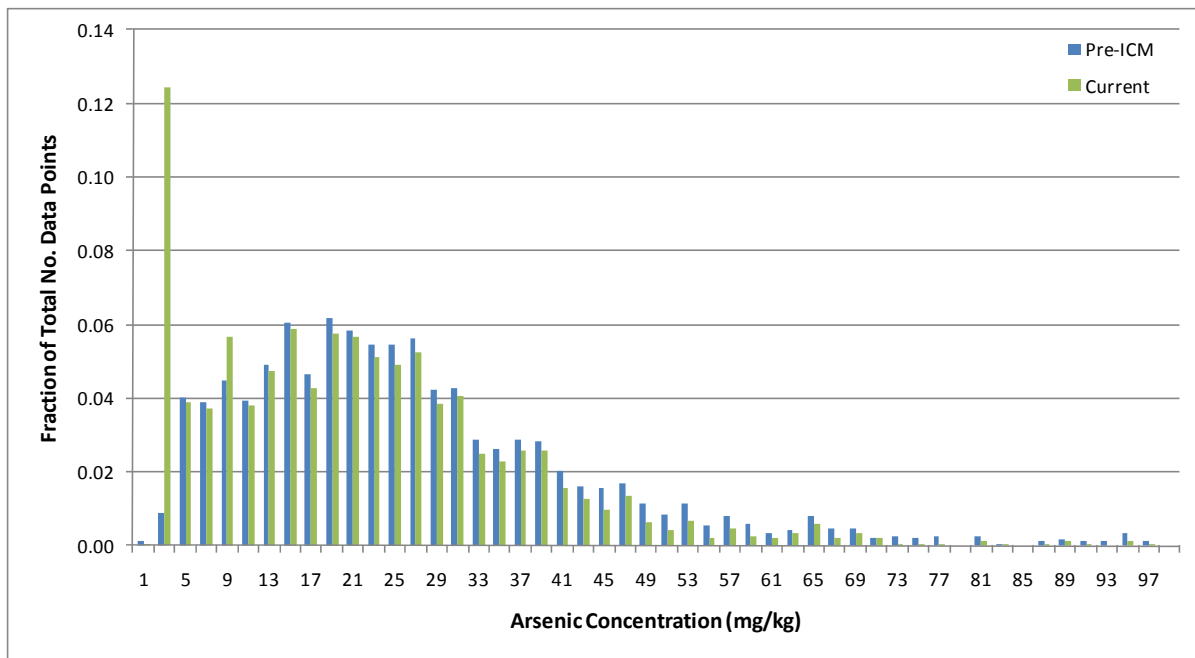


Figure 6. Comparison of Air Deposition Study Area Pre-ICM and Current Arsenic Concentrations – Surface Samples Only, Excluding Concentrations >100 mg/kg

Notes:

Arsenic concentrations greater than 100 mg/kg are not shown to keep the scale of the graph easily legible. The numbers of samples prior to and following remedial activities with arsenic concentrations greater than 100 mg/kg are 42 and 11, respectively. The maximum arsenic concentrations prior to and following remedial activities are 1,120 and 298 mg/kg, respectively.

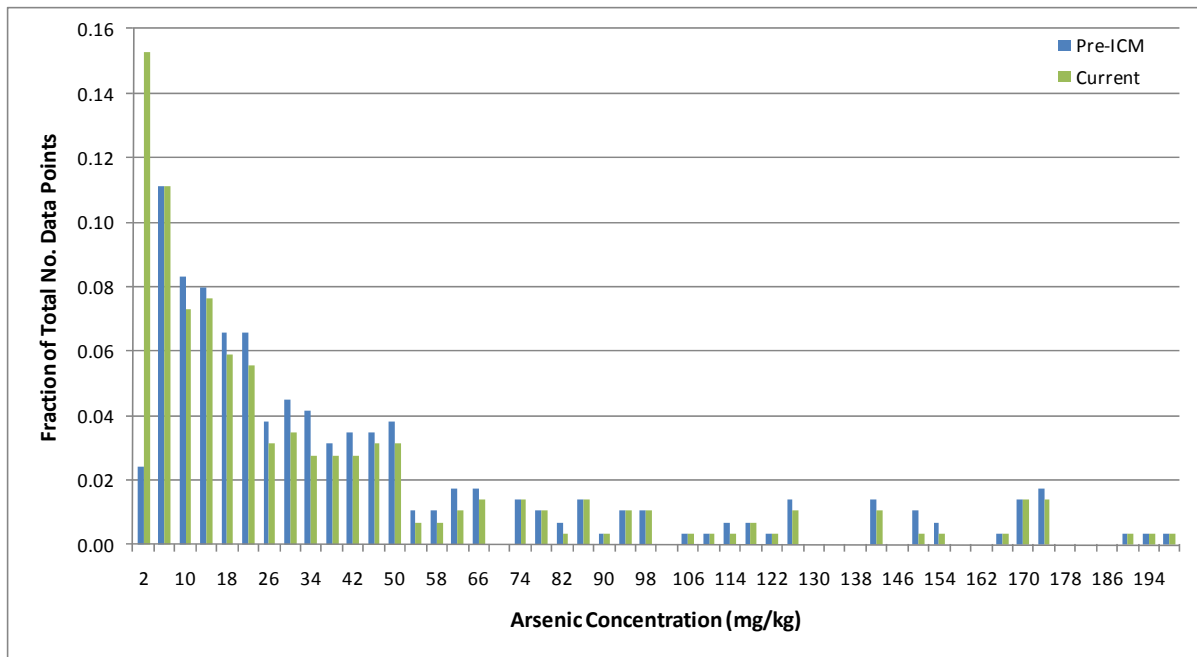


Figure 7. Comparison of Pre-ICM and Current Arsenic Concentrations for Culvert 105 Study Area North of the Canal – Surface Samples Only, Excluding Concentrations >200 mg/kg

Notes:

Arsenic concentrations greater than 200 mg/kg are not shown to keep the scale of the graph easily legible. The numbers of samples prior to and following remedial activities with arsenic concentrations greater than 200 mg/kg are both 19. The maximum arsenic concentrations prior to and following remedial activities are both 432 mg/kg.

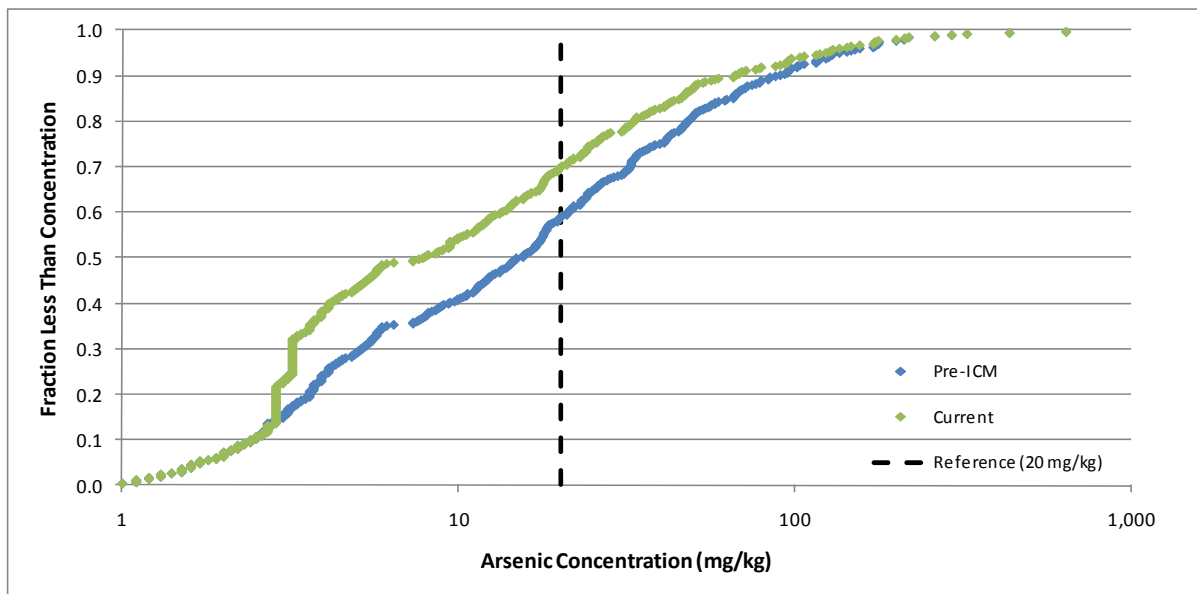


Figure 8. Comparison of Pre-ICM and Current Arsenic Concentrations for Culvert 105 Study Area – Surface and Subsurface Samples

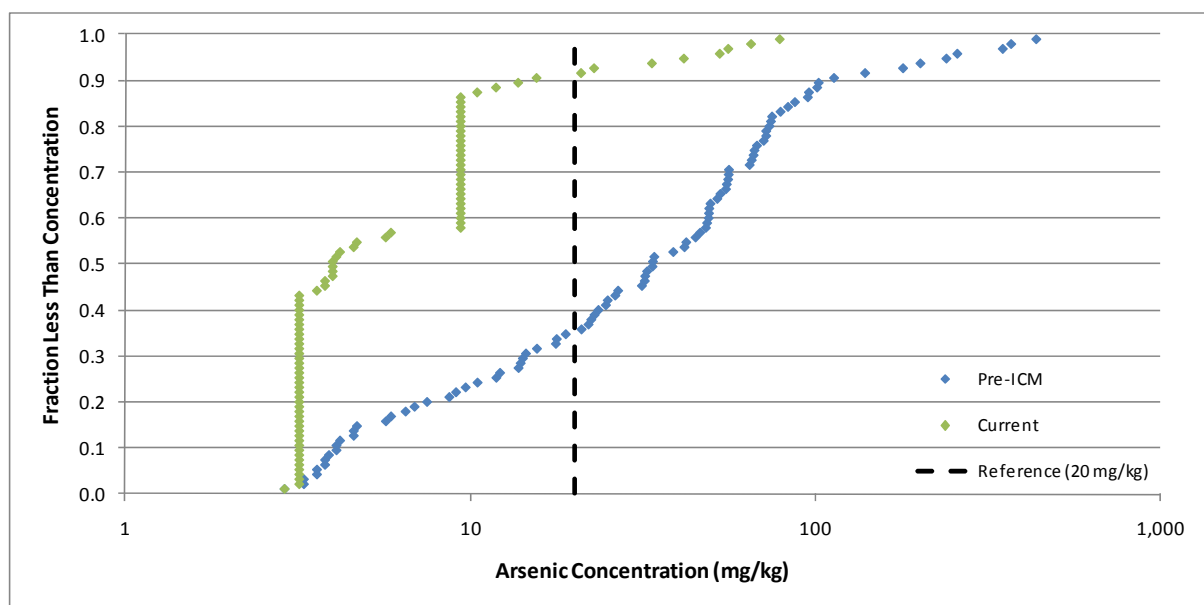


Figure 9. Comparison of Pre-ICM and Current Arsenic Concentrations for Wooded Parcel – Surface and Subsurface Samples

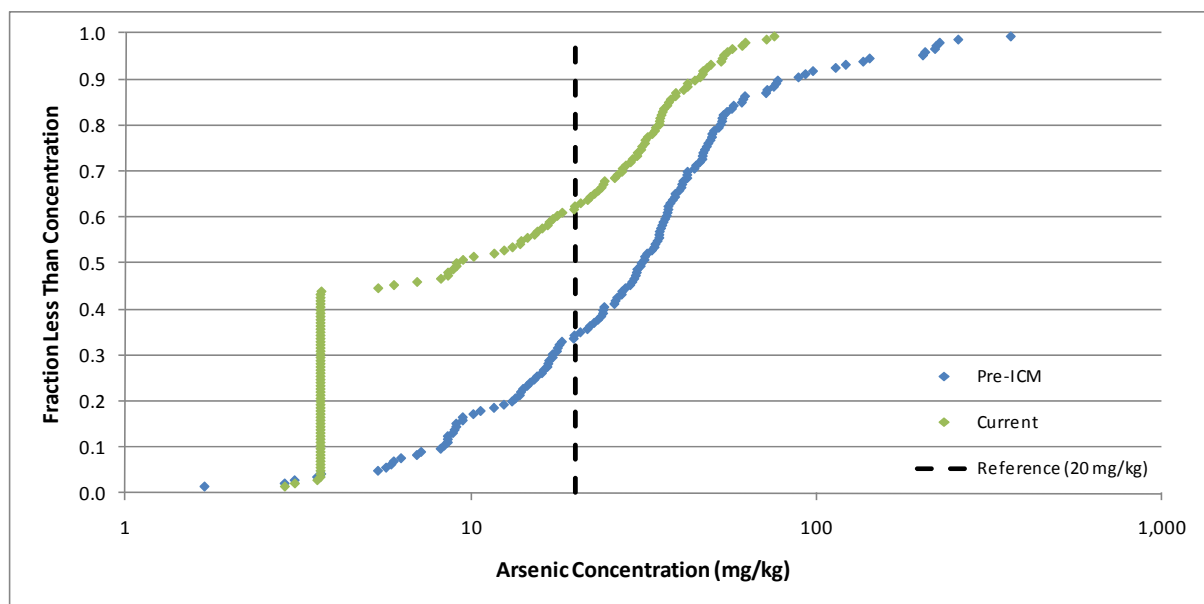


Figure 10. Comparison of Pre-ICM and Current Arsenic Concentrations for Roy-Hart School Property – Surface Samples Only

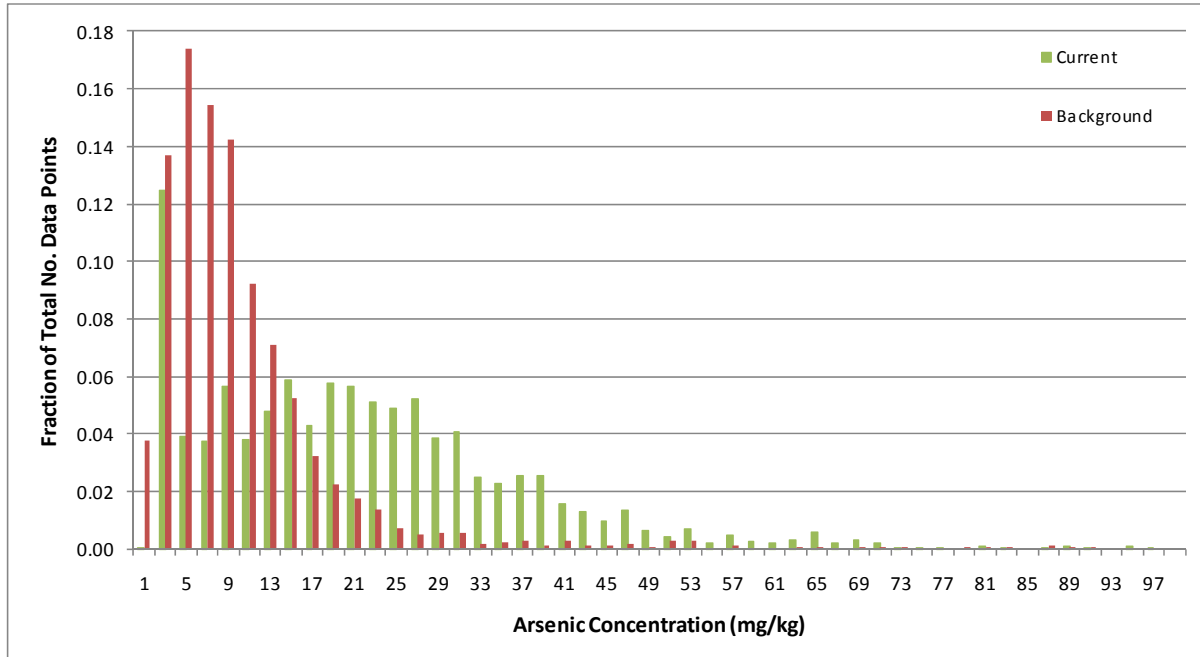


Figure 11. Comparison of Background and Air Deposition Study Area Current Arsenic Concentrations – Surface Samples Only, Excluding Concentrations >100 mg/kg

Notes:

The background data set shown incorporates the 2001 Work Plan Method calculations for the air deposition study area and the four potential Gasport wooded-agricultural outliers.

Arsenic concentrations greater than 100 mg/kg are not shown to keep the scale of the graph easily legible. Six background and 11 air deposition study area post-ICM surface samples were found to have arsenic concentrations greater than 100 mg/kg. The maximum arsenic concentrations are 147 mg/kg for background and 298 mg/kg for the air deposition study area.

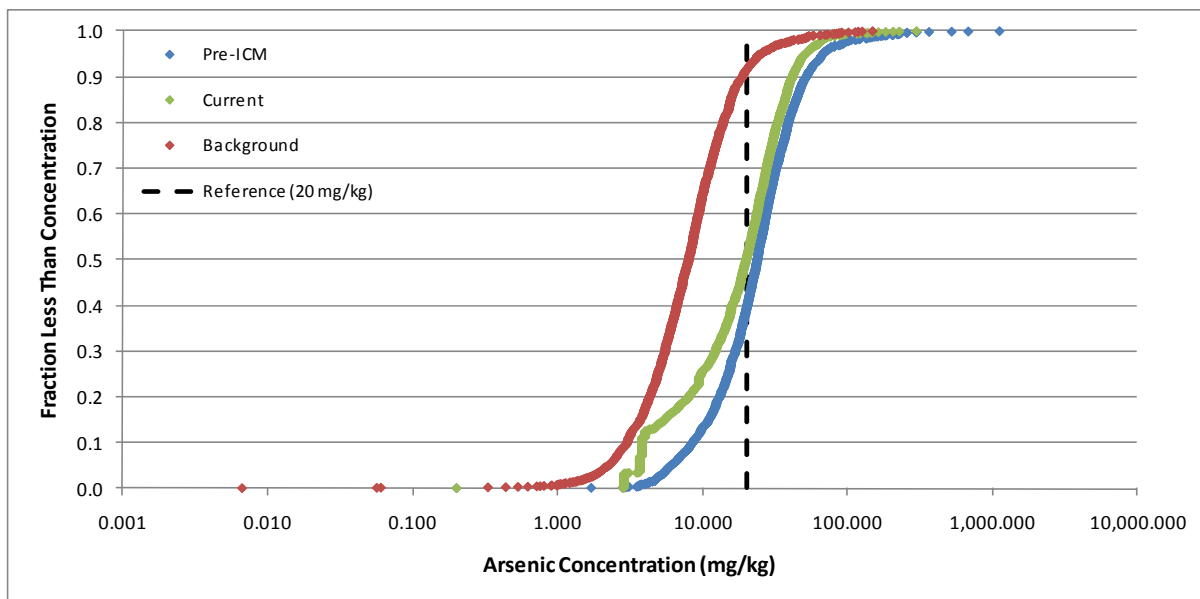


Figure 12. Comparison of Background and Air Deposition Study Area Pre-ICM and Current Arsenic Concentrations – Surface Samples Only

Note: The background data set shown incorporates the 2001 Work Plan Method calculations for the air deposition study area and the four potential Gasport wooded-agricultural outliers.

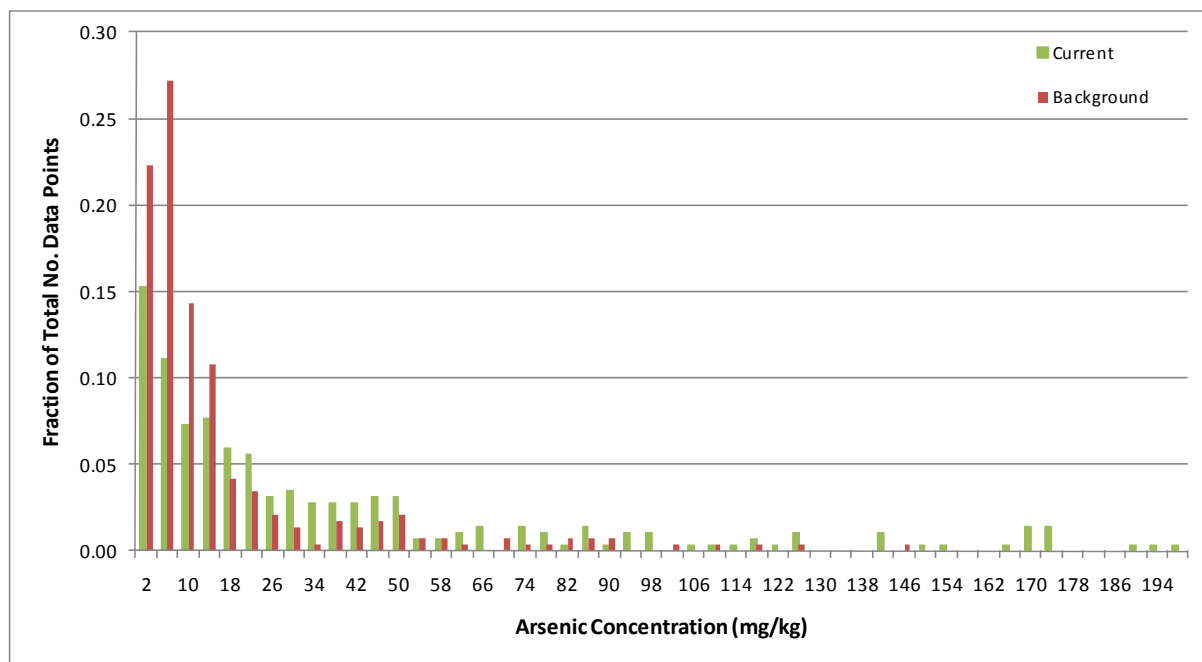


Figure 13. Comparison of Background and Culvert 105 Study Area North of the Canal Current Arsenic Concentrations – Surface Samples Only, Excluding Concentrations >200 mg/kg

Notes:

The background data set shown incorporates the 2001 Work Plan Method calculations for the Culvert 105 study area north of the canal and the four potential Gasport wooded-agricultural outliers.

Arsenic concentrations greater than 200 mg/kg are not shown to keep the scale of the graph easily legible. Nineteen post-remediation surface samples for the Culvert 105 study area north of the canal were found to have arsenic concentrations greater than 200 mg/kg. The maximum current arsenic concentration in the Culvert 105 study area north of the canal is 432 mg/kg. None of the background concentrations exceeds 200 mg/kg.

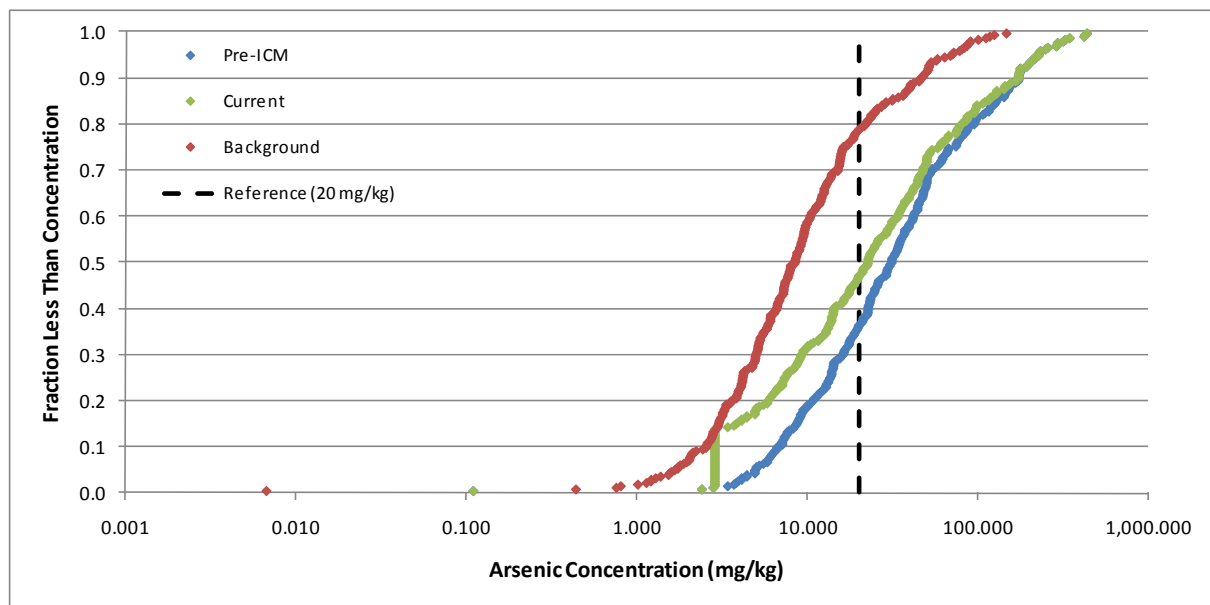


Figure 14. Comparison of Background and Culvert 105 Study Area North of the Canal Pre-ICM and Current Arsenic Concentrations – Surface Samples Only

Note: The background data set shown incorporates the 2001 Work Plan Method calculations for the Culvert 105 study area north of the canal and the four potential Gasport wooded-agricultural outliers.

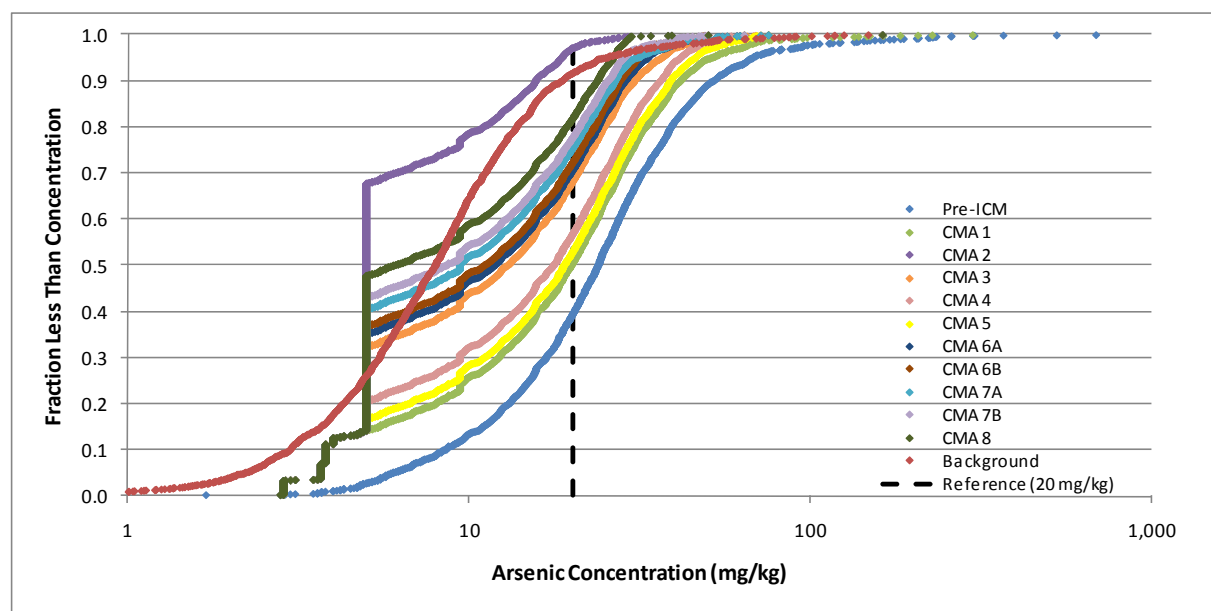


Figure 15. Comparison of Background and Air Deposition Study Area Pre-ICM, Current, and Post-CMA Arsenic Concentrations – Surface Samples Only, Excluding Concentrations <1 mg/kg and >1,000 mg/kg

Notes:

The background data set shown incorporates the 2001 Work Plan Method calculations for the air deposition study area and the four potential Gasport wooded-agricultural outliers.

Arsenic concentrations less than 1 mg/kg and greater than 1,000 mg/kg are not shown to keep the scale of the graph easily legible. Fourteen background samples and one sample in all air deposition study area data sets except the CMA 2 data set were found to have arsenic concentrations less than 1 mg/kg. The minimum arsenic concentrations are 0.007 mg/kg for background and non-detect (detection limit 0.4 mg/kg) for the air deposition study area. One pre-ICM air deposition study area sample (1,120 mg/kg) was found to have an arsenic concentration greater than 1,000 mg/kg.

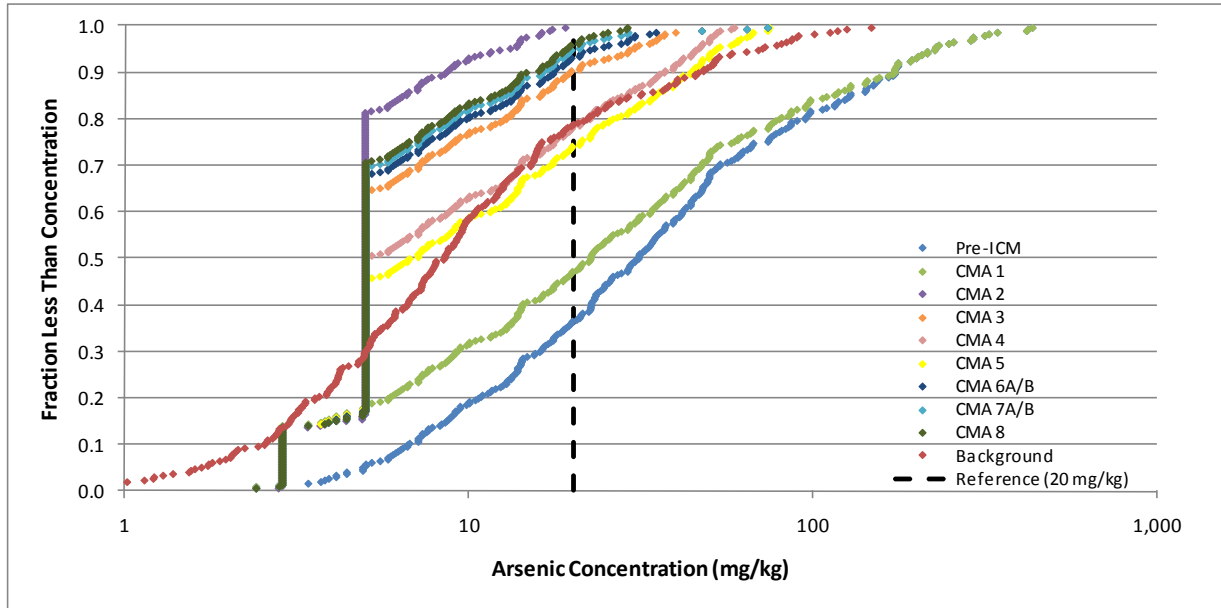


Figure 16. Comparison of Background and Culvert 105 Study Area North of the Canal Pre-ICM, Current, and Post-CMA Arsenic Concentrations – Surface Samples Only, Excluding Concentrations <1 mg/kg

Notes:

The background data set shown incorporates the 2001 Work Plan Method calculations for the air deposition study area and the four potential Gasport wooded-agricultural outliers. Arsenic concentrations less than 1 mg/kg are not shown to keep the scale of the graph easily legible. Four background samples and one sample in the Culvert 105 study area data sets for pre-ICM and CMA 1 conditions were found to have arsenic concentrations less than 1 mg/kg. The minimum arsenic concentrations are 0.007 mg/kg for background and non-detect (detection limit 0.22 mg/kg) for the Culvert 105 study area north of the canal under pre-ICM and CMA 1 conditions.

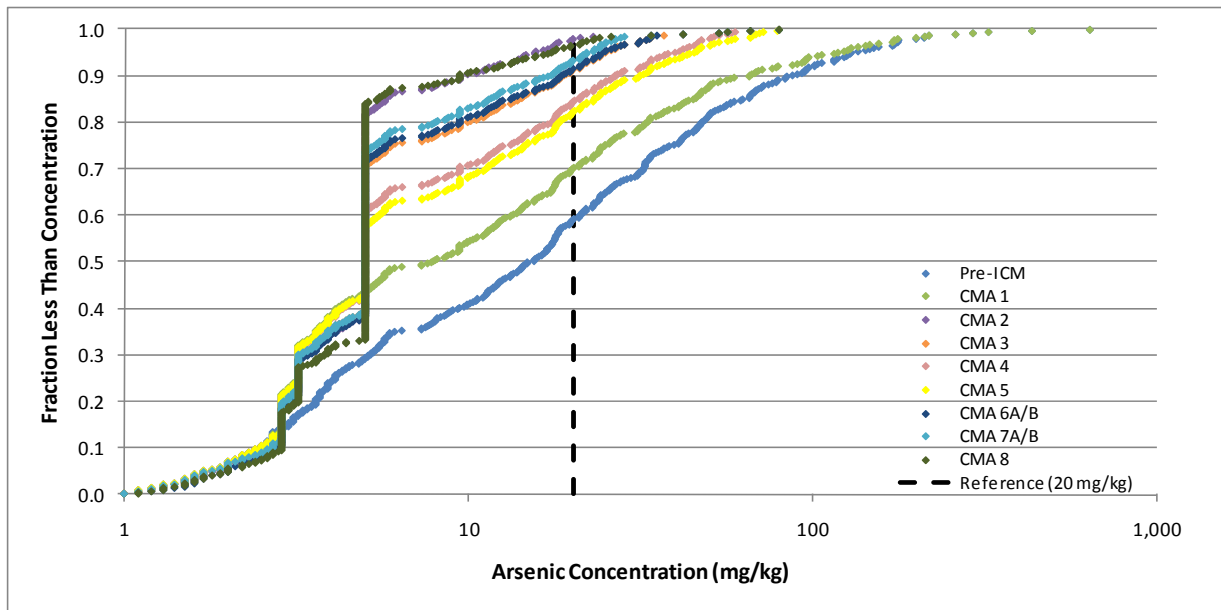


Figure 17. Comparison of Culvert 105 Study Area Pre-ICM, Current, and Post-CMA Arsenic Concentrations – Surface and Subsurface Samples

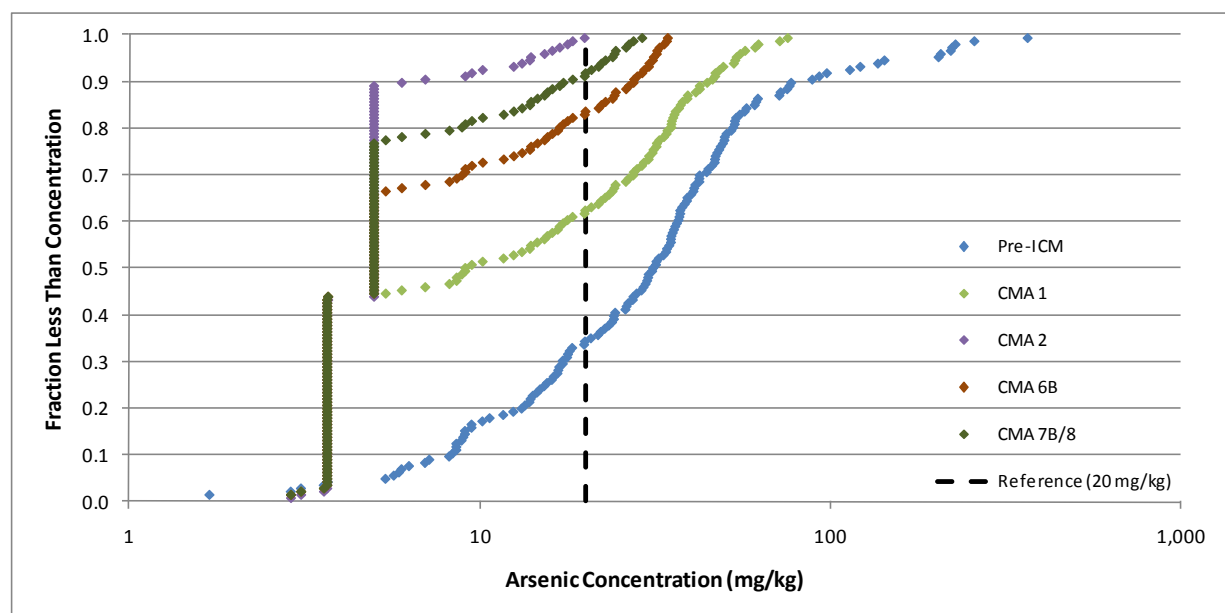


Figure 18. Comparison of Roy-Hart School Property Pre-ICM, Current, and Post-CMA Arsenic Concentrations – Surface Samples Only

Note:

Arsenic concentrations less than 1 mg/kg are not shown to keep the scale of the graph easily legible. One sample in all Roy-Hart school property data sets except the CMA 2 data set was found to have an arsenic concentration less than 1 mg/kg. The sample arsenic concentration is non-detect (detection limit 0.4 mg/kg).

EXHIBIT 1

CONSTRUCTION OF MIDDLEPORT HHRA DATABASE

The Middleport human health risk assessment (HHRA) database was created based on the original April 2008 soil analytical database provided by Arcadis, the additional March 2009 soil/sediment arsenic data provided by Arcadis, and the Appendix C soil/sediment arsenic data tables within Volumes II and IV of the RCRA facility investigation (RFI) report (Arcadis 2009a,b). The original April 2008 database was filtered for relevant data only, combined with the additional March 2009 arsenic data, and then compared with RFI report Volumes II and IV arsenic data to resolve any inconsistencies in the data. The resulting Middleport HHRA database contains 5,542 data points and includes all available soil data collected from between 0 and 12 in. below ground surface (bgs) for properties in the air deposition study area and all available soil/sediment, herein collectively referred to as soil,¹ data from all depths from properties in the Culvert 105 study area, which includes properties in the Culvert 105 study area north of the canal and properties traversed by Culvert 105 in the air deposition study area.

Following is a discussion of the data filtration, combination, and comparison processes and a table summarizing the actions taken to arrive at the current Middleport HHRA database.

DATA FILTRATION

Data filtration involved identifying the relevant data in the databases. Arsenic data from April 2008 and March 2009 are discussed below.

April 2008 Data

The following filtering mechanisms were applied to the original April 2008 soil analytical database of 23,400 data points relevant to the air deposition study area:

- All non-arsenic analytes were excluded.
- Arsenic data from the toxicity characteristic leaching procedure analysis were excluded.
- Where a sample had an associated field duplicate sample, agency split sample, and/or agency split duplicate sample, these samples were averaged and the average result was incorporated as one sample in the HHRA database.

¹ The materials sampled in the study areas are considered soils rather than sediments, regardless of whether the samples are labeled as sediments.

- Any surface samples removed as part of the 1996 Bleacher Area interim corrective measure (ICM) were excluded. This area was covered with crushed stone following excavation and therefore did not have post-remediation arsenic concentration data.
- All samples removed as part of the 2005 Phase I North Railroad ICM were excluded. The area covered by this ICM is now considered part of the FMC Middleport facility.

Based on these filtering mechanisms, the total number of arsenic sample data points relevant to the air deposition study area in the original April 2008 database is 5,488. Arsenic was not detected in seven samples. The range of detection limits for these non-detect samples is from 0.3 to 4.2 mg/kg. For quantitative analysis of these samples, the arsenic concentration was assumed to be one-half of the detection limit.

Of the 5,488 filtered samples, 1,862 samples were collected at a start depth of 0 in. bgs (end depths vary from 0.5 to 6 in. bgs) and therefore considered surface samples relevant to the air deposition study area data set. However, samples collected from the top 12 in. of ground were considered relevant for the corrective measures study (CMS) evaluation and therefore included in the Middleport HHRA database. For the properties in the air deposition study area traversed by Culvert 105, and therefore also in the Culvert 105 study area, data from all depths were considered relevant. Data from depths deeper than 12 in. bgs and specific to the Culvert 105 study area were again provided in March 2009 and, where previously missing from the Middleport HHRA database, subsequently added to the HHRA database (discussed below).

March 2009 Data

The March 2009 database received by Integral contained 563 soil/sediment sample data points collected from the top 6 in. of ground, which were relevant to the Culvert 105 study area north of the canal. The database had already been filtered in a manner consistent with the original April 2008 soil sample database so that, for example, only arsenic data and averages of any field duplicate or split samples were included. Of the 563 samples, 288 samples were collected at a start depth of 0 in. bgs (end depths vary from 3 to 6 in. bgs) and therefore were considered surface samples relevant to the Culvert 105 study area north of the canal data set.

Of the 563 Culvert 105 study area north of the canal samples, arsenic was not detected in two samples. The value reported for both of these samples was 0 mg/kg. Because detection limits should always be reported for non-detects, and a detection limit of 0 mg/kg is unattainable, these data point were regarded as invalid and excluded from the database. As a result, the total number of soil samples was reduced to 561.

In March 2009, Integral also received a database containing 942 subsurface soil/sediment sample data points collected at start depths of 6 in. bgs and below (end depths vary from 9 to 90 in. bgs) relevant to the Culvert 105 study area. The Culvert 105 study area database had also already been filtered in a manner consistent with the original April 2008 soil sample

database so that, for example, only arsenic data and averages of any field duplicate or split samples were included. The only additional filtering mechanism applied to the subsurface soils database included removal of all samples without start and/or end depth information. Of the six samples missing depth information, four were collected from inside manholes (sample locations MH-N9, -S1, -S7, and -S8), one was collected from inside a catch basin (sample location CB-S5), and one was collected from inside the culvert pipe when a break in the pipe on property J4 was repaired in 2004 (sample location J4-BSPS). These samples are of limited usefulness because they represent temporary conditions and because sample depth data are necessary to determine whether an individual may be exposed to materials represented by the sample.

DATA COMBINATION

To compile the Middleport HHRA database, filtered arsenic data from the April 2008 and March 2009 databases were combined. This resulted in duplication of several samples between the air deposition study area soil data provided in April 2008 and the Culvert 105 study area subsurface soil data provided in March 2009, because multiple properties in the air deposition study area are traversed by Culvert 105.² Duplicate samples collected from properties where the air deposition and Culvert 105 study areas overlap were eliminated from the database.

Subsequent to development of the Middleport HHRA database, soil arsenic data became available for properties B3, E8, I10, and S10. These data were added to the database.

Information was also added to the database to indicate whether each sample was collected from the air deposition study area, the Culvert 105 study area north of the canal, and/or the Culvert 105 study area, in accordance with Figure 1 of the CMS Work Plan (AMEC Geomatrix 2009).

COMPARISON WITH RFI REPORT

To evaluate the completeness and accuracy of the Middleport HHRA database, the database was compared with the Appendix C soil/sediment arsenic data tables within Volumes II and IV of the RFI report (Arcadis 2009a,b). Because the data within RFI report Volume II for properties P11 and P12 were superseded by the data presented in the Early Action Construction Report (Arcadis 2010), Appendix M of the Early Action Construction Report was also used for comparison with the Middleport HHRA database. In addition, RFI Report Volume II was completed prior to generation of, and is therefore missing, data for properties B3, E8, I10, and S10.

² In the air deposition study area, 14 properties are traversed by Culvert 105 and were sampled prior to March 2009: B1, B4, J1, J2, J4, J13, J14, J15, J16, M3, M18, M19, M20, and Wooded Parcel.

Table 1 includes a summary of the discrepancies found between the Middleport HHRA database, RFI report Volumes II and IV arsenic data, and property P11 and P12 arsenic data presented in Appendix M of the Early Action Construction Report, and the actions taken to resolve the differences.

Because the database only includes soil data collected from between 0 and 12 in. bgs for properties in the air deposition study area, with the exception of properties traversed by Culvert 105, a number of samples included in the RFI report Volume II are not included in the Middleport HHRA database. Samples collected from deeper than 12 in. bgs and not collected from within the Culvert 105 study area, and therefore not added to the database, include several from within the following properties/areas: FMC-owned land adjacent to the Royalton-Hartland (Roy-Hart) school property, the north commercial/industrial area, public right-of-ways (ROWS), R1b, the Roy-Hart school property, and T1 (formerly public ROWs).

Composite samples were also not included in the Middleport HHRA database. The composite samples collected during the 1990-1993 Off-Site Investigation were obtained from sample intervals of 0 to greater than 12 in. bgs and not from within the Culvert 105 study area. The composite samples collected during the 2003-2004 Biomonitoring Study were included in the RFI report Volume II for informational purposes and completeness, but were not used in the delineation of the extent of contamination or to evaluate remedial alternatives. In addition, the report in which these data were initially presented has not yet been approved by the Agencies. Furthermore, and perhaps most importantly, it is difficult to compare composite sample data with point-by-point sample results.

As discussed above, samples missing depth information from within the Culvert 105 study area were not included in the Middleport HHRA database because they were found to represent temporary conditions and do not indicate whether an individual may be exposed to materials represented by the sample. In addition, as previously discussed, several samples were collected from areas within the Roy-Hart school property that were subsequently excavated and covered with crushed stone. These samples were also not included in the Middleport HHRA database because they did not have post-remediation arsenic concentration data.³ Both samples missing depth information and those covered with crushed stone following excavation were included in RFI Volumes II and IV.

Additional changes were made to the Middleport HHRA database following comparison with the RFI report Volumes II and IV. These additional changes were implemented in response to issues raised by Arcadis and have been incorporated into Table 1.

³ Backfill data were available for areas covered with soil following excavation. Samples collected from these areas were included in the Middleport HHRA database.

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Table 1. Comparison of Middleport HHRA Database with RFI Report Volumes II and IV

Property	Sample Name ^a	Issue	Database Action Taken	Rationale
AB4	AB4-1 (6-12)	Sample result differences	Sample result was corrected	Averaging error; RFI report is correct
AD1	C5W2 (0-3)	Missing from database	Added to database	Database value was “ND,” but detection limit was not provided, so sample was previously excluded; RFI report included detection limit
AF1	AF1-K7 (6-12)	Sample result differences	Sample result was corrected	Averaging error; RFI report is correct
AK1	C10E3 (3-6)	Missing from database	Added to database	Valid sample; missing
AH1, AH2, AI1, AJ1, AJ2, AK1	All “double-counted” samples	Samples collected from between properties appear in multiple tables in RFI report	Properties changed to include all relevant property names	Eliminates potential confusion and double- counting of sample results
E5	E5-4 (6-9)	Sample result differences	No action	Split sample results differ, so resulting sample averages differ; database is correct
FMC	A101, A102 (0-3, 6-9)	Property name/type differences	Properties changed to residential	Decision made following review of data reports
FMC	BH-A08 (0-0.5); BH-A10 (0-0.5, 6-12); BH-A12 (0-0.5)	Should not be in database	Deleted from database	Originally thought to be in Route 31 ROW, but was later determined to be facility samples
FMC/Public ROWS	A8+00, A10+00, A12+00 (0-3)	Property name differences	Property changed to public ROWs	RFI report is correct
FMC/Public ROWS	NIAROW (6-9)	Property name/type differences	Property changed to public ROWs (residential)	Decision made following review of data reports
FMC/T1	A103 (6-9); WSS2 (0-3)	Property name/type differences	Property changed to T1 (residential)	Decision made following review of data reports
Former R&D/ Public ROWs	A3+50, A6+00 (0-3)	Property name differences	Property changed to public ROWs	RFI report is correct

Property	Sample Name ^a	Issue	Database Action Taken	Rationale
H5/Public ROWs	NWSS11 (0-3)	Property name differences	Property changed to public ROWs	RFI report is correct
I20	I20-4 (9-12)	Sample result differences	Sample result was corrected	Split sample missing from database, so resulting sample average was incorrect
J4	J4-BSP1 (0-3, 12-18)	Sample interval inconsistencies	Sample intervals were changed to (36-39) and (48-54)	“Surface” is actually beneath the invert of a broken pipe buried in the subsurface (approximately 36 in. bgs)
P7	P7-G1, P7-G2 (0-3)	Missing from database	Added to database	Valid samples; missing
P8	P8-1 (3-6, 6-9, 9-12)	Missing from database	Added to database	Sample averages were not included in database, so samples were inadvertently filtered out
M3	CS3E1 (12-18)	Sample result differences	Sample result was corrected	Averaging error; RFI report is correct
M3	CS3E1 (36-42)	Missing from database	No action	Sample is actually a split result of 12- to 18-in. interval; database is correct
M20	CS2E1 (60-66)	Sample result differences	Sample result was corrected	Averaging error; RFI report is correct
P4	P4-5, P4-7 (9-12)	Samples included in database twice	Duplicate sample results were averaged	Samples had different sample/analysis dates and were originally treated as separate samples
P7	P7-5 (0-3)	Excavation coding differences	Sample coded as excavated	Deeper collocated samples coded as excavated; RFI report is correct
P11	All samples excavated during 2008 Early Actions	Excavation coding differences	Samples coded as excavated	Database was created before 2008 Early Actions occurred
P12	All samples excavated during 2008 Early Actions	Excavation coding differences	Samples coded as excavated	Database was created before 2008 Early Actions occurred
R1b	R1b-D29, R1b-I36 (6-9)	Sample result differences	No action	Averaging errors; database is correct

Property	Sample Name ^a	Issue	Database Action Taken	Rationale
R1c-1/R1c-a	All property samples	Property name differences	Property changed to R1c-a	RFI report is correct
R1c-2/R1c-b	All property samples	Property name differences	Property changed to R1c-b	RFI report is correct
R1c-3/R1c-c	All property samples	Property name differences	Property changed to R1c-c	RFI report is correct
R1d	R1d-SS27 (6-9); R1d-VV26 (3-6)	Sample result differences	Sample results were corrected	Averaging errors; RFI report is correct
R6	WSS26 (0-3)	Missing from RFI report	No action	Valid sample; should be in RFI report
R8	WSS24 (0-3)	Missing from RFI report	No action	Valid sample; should be in RFI report
Roy-Hart	20 samples collected during May 1999 Surface Soil Comparison Study	Collocated samples have overlapping depth intervals	(0-6) sample results were replaced with (0-3) sample results	Agencies concluded no significant difference in concentrations between two intervals; 0- to 3-in. interval is more relevant for comparison with background samples
Roy-Hart	0387-1 (0-6)	Sample name differences	Name changed to SS-1-87 (0-6) per RFI report	Eliminates potential confusion
Roy-Hart	A-4 through A-16, A-102, B-102, Z-1 through Z-4, Z-101, Z-102 (6-9); A-8 (6.84-6.84); B-8 (6-6); C-7 (6.24-6.24)	Excavation coding differences	Samples coded as excavated	RFI report is correct
Roy-Hart	RH28, RH29, RH32 (0-6)	Property name differences	No action	Database is correct
Roy-Hart	RH-62, RH-64, SS-03-85 (0-6)	Should not be in database	Deleted from database	Presumed removed due to school building addition and construction of parking lot

Property	Sample Name ^a	Issue	Database Action Taken	Rationale
Roy-Hart	UBC-01, UBC-02, UBC-03 (0-3)	Should not be in database	Deleted from database	Although not coded as “Excavated-BAE” in database, samples were excavated during July-August 1996 Bleacher Area Excavation and covered with crushed stone
Roy-Hart/Adj. FMC	K25-99 (5.04-5.04); K26-99, K27-99 (11.04-11.04)	Property name differences	Property changed to Adj. FMC	RFI report is correct
S2	S2-2 (0-3); S2-4 (6-9)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S4	S4-2 (6-9); S4-5 (0-3)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S5	S5-2 (3-6); S5-4 (6-9)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S6	S6-1 (0-3); S6-4 (6-9)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S7	S7-2 (3-6); S7-4 (6-9)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S12	S12-14 (6-9)	Sample result differences	No action	Averaging error; database is correct
S13	S13-1 (0-3); S13-2, S13-6 (6-9); S13-7 (0-3); S13-10 (3-6); S13-11 (0-3); S13-12, S13-14 (6-9)	Sample result differences	No action	Values flagged “N” differ, so resulting sample averages differ; database is correct
S15	WSS8 (0-3)	Property classification differences	No action	Database is correct
S24	WSS10 (0-3)	Sample result differences	No action	Field duplicate and split duplicate sample results in RFI report are actually WSS6 results; database is correct
T1	WSS2 (0-3)	Excavation code incorrect	Sample coded as not excavated	Decision made following review of data reports

Property	Sample Name ^a	Issue	Database Action Taken	Rationale
T7	WSS27 (0-3)	Should not be in database	Deleted from database	Unknown whether excavated sample was removed/scraped down or backfilled; if backfilled, backfill concentration is unknown
West Prop C	S3 (0-6)	Missing from database	Added to database	Sample average was not included in database so sample was inadvertently filtered out
Wooded Parcel	All samples excavated during 2008 Early Actions	Excavation coding differences	Samples coded as excavated	Database was created before 2008 Early Actions occurred
Wooded Parcel/ NORCO	AG2G29 (0-3)	Property name differences	Property changed to NORCO	RFI report is correct

Notes:

Adj FMC = FMC-owned land adjacent to the Roy-Hart school property

bgs = below ground surface

NORCO = north commercial/industrial area

RFI = RCRA facility investigation

ROW = right-of-way

Roy-Hart = Royalton-Hartland school property

^a Numbers in parentheses indicate sample depth interval in inches.

ATTACHMENT 3

MIDDLEPORT COMMUNITY SURVEY SUMMARY

Middleport Community Survey Summary

Transmitted March 12, 2010, via email from Debra Overcamp (AMEC Geomatrix) to Matthew Mortefolio (NYSDEC) and Michael Infurna (USEPA)

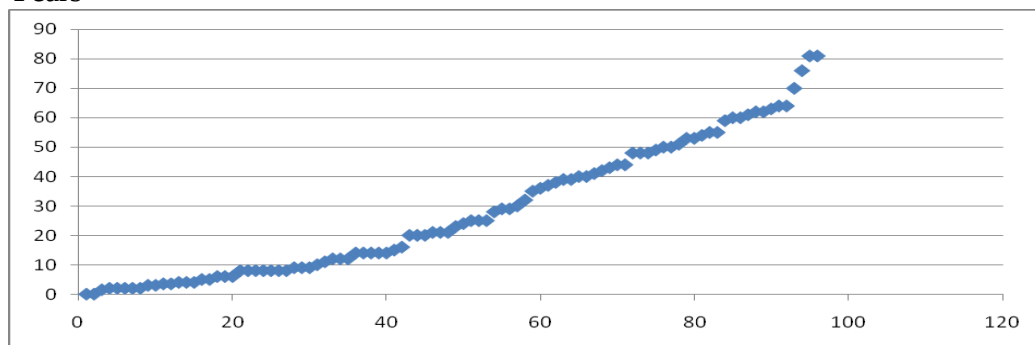
Middleport Soil Exposure Survey Form Responses

102 responses

(Note: Some answers on some surveys were left blank therefore, not all questions have 102 responses when tabulated.)

1. Are you answering for yourself for someone else?
Self – 89
Someone else – 13
2. Are you male or female?
Male – 54
Female – 45
3. How old are you?
0 to 6 – 1
6 to 18 – 3
19+ – 88
4. Do you live within the Village limits of Middleport?
Yes – 93
No – 9
5. If the answer above is no, do you live within a mile of the Village?
Yes – 16
No – 3
6. How many years have you lived in or near Middleport?
(Answers ranged from 0 to 81 years)

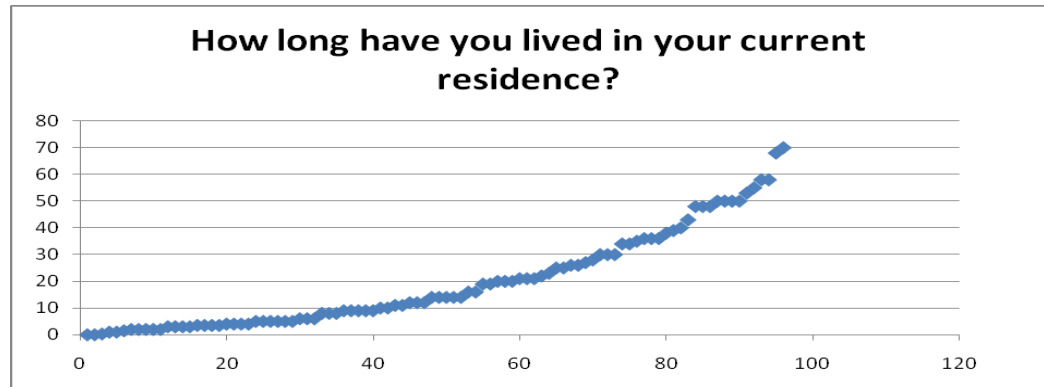
Years



Responses

7. How long have you lived in your current residence?
(Answers ranged from 0 to 70 years.)

Years



Responses

8. Do you work or attend school within the Village limits of Middleport?

Yes – 28

No – 74

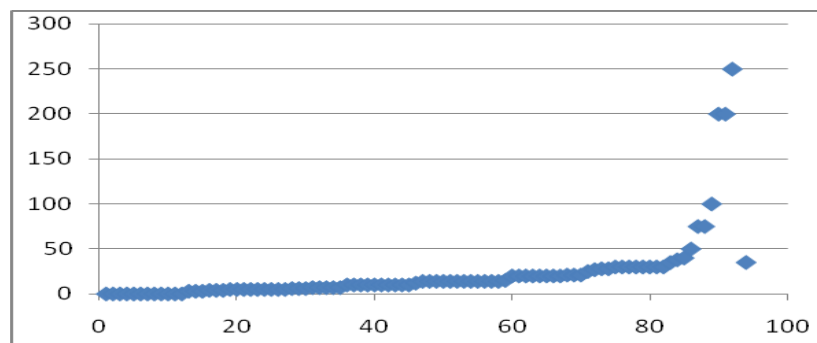
9. Do you live in a residence with a yard?

Yes – 102

No – 0

10. How many days per year on average do you spend away from your Middleport home overnight on vacation, traveling or at another residence?
(Answers ranged from 0 to 250 days.)

Days



Responses

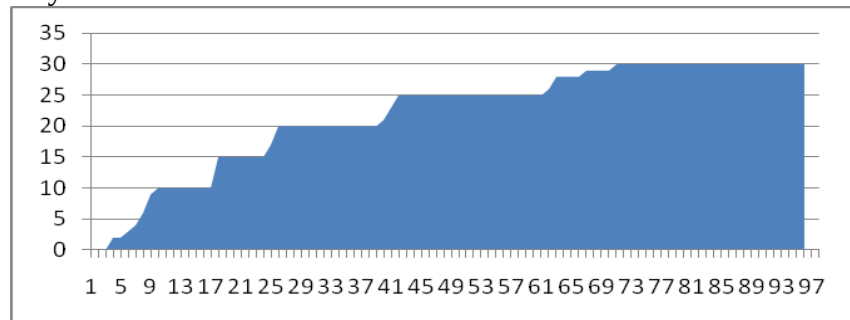
11. Do you use an air conditioner regularly during the summer months?

Yes – 50

No – 50

12. On average, how many days per month would you estimate you spend time in your yard during the nicest weather (June, July, August, September)?
(Answers ranged from 0 to 30 days.)

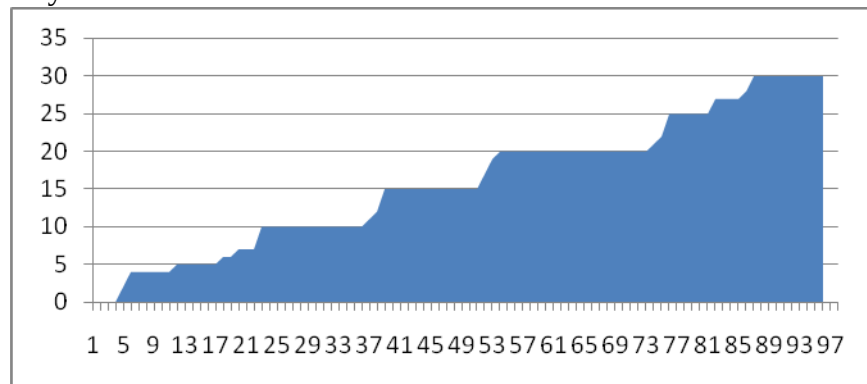
Days



Responses

13. On average, how many days per month would you estimate you spend time in your yard during the spring and fall (April, May, October, November)?
(Answers ranged from 0 to 30 days.)

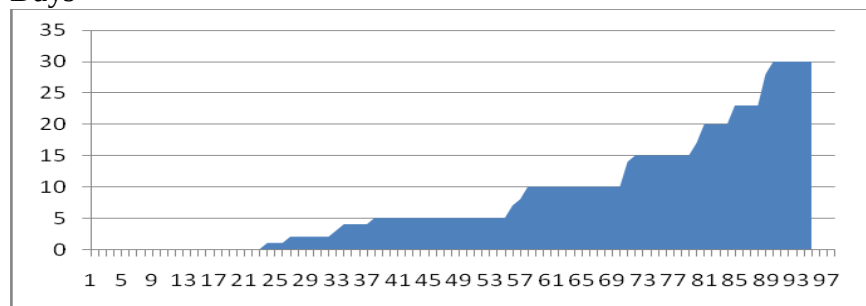
Days



Responses

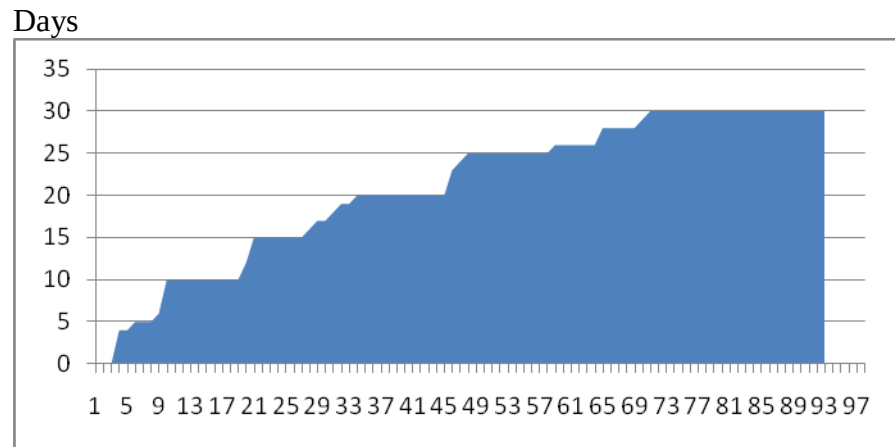
14. On average, how many days per month would you estimate you spend time in your yard during the winter months (December, January, February, March)?
(Answers ranged from 0 to 30 days.)

Days



Responses

15. On average, how many days per month would you estimate your yard is covered with snow during the winter months (December, January, February, March)? (Answers ranged from 0 to 30 days.)



Responses

16. At what activities do you spend most of your time while in your yard? – Gardening
- 1 (most often) – 32
 - 2 – 15
 - 3 – 20
 - 4 – 21
 - 5 (never) – 11
17. At what activities do you spend most of your time while in your yard? – Playing or supervising children playing
- 1 (most often) – 33
 - 2 – 10
 - 3 – 10
 - 4 – 16
 - 5 (never) – 29
18. At what activities do you spend most of your time while in your yard? – Barbequing/picnicking
- 1 (most often) – 21
 - 2 – 38
 - 3 – 18
 - 4 – 10
 - 5 (never) – 11

19. At what activities do you spend most of your time while in your yard? – Relaxing on lawn furniture
- 1 (most often) – 18
 - 2 – 26
 - 3 – 20
 - 4 – 21
 - 5 (never) – 11
20. At what activities do you spend most of your time while in your yard? – Relaxing on the ground
- 1 (most often) – 6
 - 2 – 8
 - 3 – 18
 - 4 – 25
 - 5 (never) – 38
21. At what activities do you spend most of your time while in your yard? – Home improvement projects
- 1 (most often) – 12
 - 2 – 14
 - 3 – 22
 - 4 – 30
 - 5 (never) – 16
22. At what activities do you spend most of your time while in your yard? – Other
- 1 (most often) – 11
 - 2 – 2
 - 3 – 7
 - 4 – 4
 - 5 (never) – 8
23. If you answered "Other" above, please describe.
playing, walking animals landscaping wash windows siding yard work mowing
lawn care cut grass mow lawn entertaining
24. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Grass or other vegetation
- 1 (most often) – 59
 - 2 – 14
 - 3 – 16
 - 4 – 6
 - 5 (never) – 4

25. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Bare dirt
- 1 (most often) – 10
 - 2 – 9
 - 3 – 7
 - 4 – 27
 - 5 (never) – 44
26. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Beauty bark (wood chips)
- 1 (most often) – 3
 - 2 – 4
 - 3 – 9
 - 4 – 16
 - 5 (never) – 65
27. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Gravel
- 1 (most often) – 1
 - 2 – 2
 - 3 – 1
 - 4 – 18
 - 5 (never) – 63
28. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Concrete/stone patio
- 1 (most often) – 8
 - 2 – 20
 - 3 – 19
 - 4 – 9
 - 5 (never) – 40
29. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Wood deck
- 1 (most often) – 21
 - 2 – 13
 - 3 – 6
 - 4 – 9
 - 5 (never) – 46

30. How would you characterize the amount of time you spend on the following types of surfaces while in your yard (not including the garden)? – Other

1 (most often) – 4

2 – 4

3 – 2

4 – 0

5 (never) – 7

31. If you answered "Other" as the ground cover above, please describe.

Garage floor - dirt and stone barn mowing lawn blacktop driveway

ATTACHMENT 4

PROUCL OUTPUT

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Air Deposition Study Area - Surface, Pre-ICM

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 613

Raw Statistics

Minimum 0.2
Maximum 1120
Mean 30.89031
Median 23.9
SD 42.399701
Std. Error of Mean 0.9797018
Coefficient of Variation 1.3725891
Skewness 13.250599

Log-transformed Statistics

Minimum of Log Data -1.609438
Maximum of Log Data 7.021084
Mean of log Data 3.1275148
SD of log Data 0.7402073

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2561659
Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0481278
Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 32.502576

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 32.822285
95% Modified-t UCL (Johnson-1978) 32.552569

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 32.525594
97.5% Chebyshev (MVUE) UCL 33.617323
99% Chebyshev (MVUE) UCL 35.761812

Gamma Distribution Test

k star (bias corrected) 1.7967441
Theta Star 17.192382
MLE of Mean 30.89031
MLE of Standard Deviation 23.045129
nu star 6730.6033
Approximate Chi Square Value (.05) 6540.9071
Adjusted Level of Significance 0.0498719
Adjusted Chi Square Value 6540.7656

Anderson-Darling Test Statistic 5.339E+27
Anderson-Darling 5% Critical Value 0.7690196
Kolmogorov-Smirnov Test Statistic 0.0842374
Kolmogorov-Smirnov 5% Critical Value 0.0229074

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 31.786175
95% Adjusted Gamma UCL 31.786863

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 32.501776
95% Jackknife UCL 32.502576
95% Standard Bootstrap UCL 32.462635
95% Bootstrap-t UCL 32.973302
95% Hall's Bootstrap UCL 33.320606
95% Percentile Bootstrap UCL 32.534303
95% BCA Bootstrap UCL 32.967112

95% Chebyshev(Mean, Sd) UCL 35.160731
97.5% Chebyshev(Mean, Sd) UCL 37.008545
99% Chebyshev(Mean, Sd) UCL 40.638219

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 35.160731

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 516

Raw Statistics

Minimum 0.2
 Maximum 298
 Mean 22.675824
 Median 20
 SD 19.341798
 Std. Error of Mean 0.4469181
 Coefficient of Variation 0.85297
 Skewness 4.2509895

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.6970935
 Mean of log Data 2.8104851
 SD of log Data 0.8447293

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1517299
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.0961345
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 23.411304

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 23.457845
 95% Modified-t UCL (Johnson-1978) 23.418621

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 26.086811
 97.5% Chebyshev (MVUE) UCL 27.103827
 99% Chebyshev (MVUE) UCL 29.101559

Gamma Distribution Test

k star (bias corrected) 1.7544692
 Theta Star 12.924606
 MLE of Mean 22.675824
 MLE of Standard Deviation 17.119466
 nu star 6572.2418
 Approximate Chi Square Value (.05) 6384.8041
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6384.6643
 Anderson-Darling Test Statistic 10.711539
 Anderson-Darling 5% Critical Value 0.769414
 Kolmogorov-Smirnov Test Statistic 0.0599449
 Kolmogorov-Smirnov 5% Critical Value 0.0229183

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 23.341515
 95% Adjusted Gamma UCL 23.342026

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 23.410939
 95% Jackknife UCL 23.411304
 95% Standard Bootstrap UCL 23.409543
 95% Bootstrap-t UCL 23.503407
 95% Hall's Bootstrap UCL 23.502088
 95% Percentile Bootstrap UCL 23.453225
 95% BCA Bootstrap UCL 23.460611
 95% Chebyshev(Mean, Sd) UCL 24.623895
 97.5% Chebyshev(Mean, Sd) UCL 25.466827
 99% Chebyshev(Mean, Sd) UCL 27.122603

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 24.623895****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 205

Raw Statistics

Minimum 2.8
 Maximum 163
 Mean 7.5931761
 Median 5
 SD 6.2964221
 Std. Error of Mean 0.1454873
 Coefficient of Variation 0.8292211
 Skewness 9.2025173

Log-transformed Statistics

Minimum of Log Data 1.0296194
 Maximum of Log Data 5.0937502
 Mean of log Data 1.8555245
 SD of log Data 0.5289765

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.3372977
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.3566331
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 7.8326003

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.8655368
 95% Modified-t UCL (Johnson-1978) 7.8377562

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 7.7729863
 97.5% Chebyshev (MVUE) UCL 7.9539541
 99% Chebyshev (MVUE) UCL 8.3094304

Gamma Distribution Test

k star (bias corrected) 3.0636243
 Theta Star 2.4784945
 MLE of Mean 7.5931761
 MLE of Standard Deviation 4.3381615
 nu star 11476.337
 Approximate Chi Square Value (.05) 11228.281
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 11228.096
 Anderson-Darling Test Statistic 5.339E+27
 Anderson-Darling 5% Critical Value 0.7604342
 Kolmogorov-Smirnov Test Statistic 0.3643549
 Kolmogorov-Smirnov 5% Critical Value 0.0227368

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 7.7609247
 95% Adjusted Gamma UCL 7.7610531

Potential UCL to Use**Data Distribution****Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 7.8324814
 95% Jackknife UCL 7.8326003
 95% Standard Bootstrap UCL 7.8318485
 95% Bootstrap-t UCL 7.8662745
 95% Hall's Bootstrap UCL 7.8871525
 95% Percentile Bootstrap UCL 7.8353147
 95% BCA Bootstrap UCL 7.8483407
 95% Chebyshev(Mean, Sd) UCL 8.2273404
 97.5% Chebyshev(Mean, Sd) UCL 8.5017437
 99% Chebyshev(Mean, Sd) UCL 9.040756

Use 95% Chebyshev (Mean, Sd) UCL 8.2273404**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 399

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 15.493123
 Median 13
 SD 12.170945
 Std. Error of Mean 0.281226
 Coefficient of Variation 0.7855708
 Skewness 2.0181338

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.4331658
 SD of log Data 0.8125835

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1485733
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1676518
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 15.955928

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 15.969711
 95% Modified-t UCL (Johnson-1978) 15.958114

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 17.343355
 97.5% Chebyshev (MVUE) UCL 17.990162
 99% Chebyshev (MVUE) UCL 19.26069

Gamma Distribution Test

k star (bias corrected) 1.7734135
 Theta Star 8.7363284
 MLE of Mean 15.493123
 MLE of Standard Deviation 11.634131
 nu star 6643.207
 Approximate Chi Square Value (.05) 6454.754
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6454.6133
 Anderson-Darling Test Statistic 40.777186
 Anderson-Darling 5% Critical Value 0.7692373
 Kolmogorov-Smirnov Test Statistic 0.1644404
 Kolmogorov-Smirnov 5% Critical Value 0.0229134

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 15.94546
 95% Adjusted Gamma UCL 15.945807

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 15.955698
 95% Jackknife UCL 15.955928
 95% Standard Bootstrap UCL 15.950908
 95% Bootstrap-t UCL 15.981446
 95% Hall's Bootstrap UCL 15.947625
 95% Percentile Bootstrap UCL 15.960418
 95% BCA Bootstrap UCL 15.978621
 95% Chebyshev(Mean, Sd) UCL 16.718958
 97.5% Chebyshev(Mean, Sd) UCL 17.249378
 99% Chebyshev(Mean, Sd) UCL 18.291286

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 16.718958****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 445

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 18.894084
 Median 17.7
 SD 12.957034
 Std. Error of Mean 0.2993896
 Coefficient of Variation 0.685772
 Skewness 1.32815

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.6556325
 SD of log Data 0.819387

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1068865
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1082072
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 19.38678

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 19.396353
 95% Modified-t UCL (Johnson-1978) 19.388312

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 21.804666
 97.5% Chebyshev (MVUE) UCL 22.625622
 99% Chebyshev (MVUE) UCL 24.238229

Gamma Distribution Test

k star (bias corrected) 1.9125948
 Theta Star 9.87877
 MLE of Mean 18.894084
 MLE of Standard Deviation 13.662002
 nu star 7164.58
 Approximate Chi Square Value (.05) 6968.8272
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6968.6811
 Anderson-Darling Test Statistic 23.871742
 Anderson-Darling 5% Critical Value 0.7679388
 Kolmogorov-Smirnov Test Statistic 0.0994541
 Kolmogorov-Smirnov 5% Critical Value 0.0228776

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 19.424814
 95% Adjusted Gamma UCL 19.425222

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 19.386536
 95% Jackknife UCL 19.38678
 95% Standard Bootstrap UCL 19.385833
 95% Bootstrap-t UCL 19.409075
 95% Hall's Bootstrap UCL 19.406985
 95% Percentile Bootstrap UCL 19.364392
 95% BCA Bootstrap UCL 19.414202
 95% Chebyshev(Mean, Sd) UCL 20.199093
 97.5% Chebyshev(Mean, Sd) UCL 20.763771
 99% Chebyshev(Mean, Sd) UCL 21.872973

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 20.199093****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 481

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 20.639999
 Median 19
 SD 14.180218
 Std. Error of Mean 0.3276529
 Coefficient of Variation 0.6870261
 Skewness 1.291614

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.7437437
 SD of log Data 0.8256088

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1038788
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1049181
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 21.179208

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 21.189389
 95% Modified-t UCL (Johnson-1978) 21.180838

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 23.954954
 97.5% Chebyshev (MVUE) UCL 24.864692
 99% Chebyshev (MVUE) UCL 26.651696

Gamma Distribution Test

k star (bias corrected) 1.9108951
 Theta Star 10.801221
 MLE of Mean 20.639999
 MLE of Standard Deviation 14.931081
 nu star 7158.213
 Approximate Chi Square Value (.05) 6962.5477
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6962.4016
 Anderson-Darling Test Statistic 16.7811
 Anderson-Darling 5% Critical Value 0.7679547
 Kolmogorov-Smirnov Test Statistic 0.0744203
 Kolmogorov-Smirnov 5% Critical Value 0.0228781

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 21.220036
 95% Adjusted Gamma UCL 21.220481

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 21.17894
 95% Jackknife UCL 21.179208
 95% Standard Bootstrap UCL 21.197686
 95% Bootstrap-t UCL 21.175535
 95% Hall's Bootstrap UCL 21.194329
 95% Percentile Bootstrap UCL 21.189659
 95% BCA Bootstrap UCL 21.182
 95% Chebyshev(Mean, Sd) UCL 22.068205
 97.5% Chebyshev(Mean, Sd) UCL 22.686191
 99% Chebyshev(Mean, Sd) UCL 23.900105

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 22.068205****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 367

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 14.491681
 Median 11.9
 SD 11.236158
 Std. Error of Mean 0.2596265
 Coefficient of Variation 0.7753523
 Skewness 2.1617961

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.3766849
 SD of log Data 0.7942958

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1521813
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1842725
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 14.918941

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 14.932586
 95% Modified-t UCL (Johnson-1978) 14.921102

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 16.113253
 97.5% Chebyshev (MVUE) UCL 16.698834
 99% Chebyshev (MVUE) UCL 17.849097

Gamma Distribution Test

k star (bias corrected) 1.8306117
 Theta Star 7.9163055
 MLE of Mean 14.491681
 MLE of Standard Deviation 10.710769
 nu star 6857.4713
 Approximate Chi Square Value (.05) 6665.9849
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6665.842
 Anderson-Darling Test Statistic 51.184678
 Anderson-Darling 5% Critical Value 0.7687037
 Kolmogorov-Smirnov Test Statistic 0.1829446
 Kolmogorov-Smirnov 5% Critical Value 0.0228987

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 14.907968
 95% Adjusted Gamma UCL 14.908287

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 14.918729
 95% Jackknife UCL 14.918941
 95% Standard Bootstrap UCL 14.910998
 95% Bootstrap-t UCL 14.948454
 95% Hall's Bootstrap UCL 14.947423
 95% Percentile Bootstrap UCL 14.937934
 95% BCA Bootstrap UCL 14.926743
 95% Chebyshev(Mean, Sd) UCL 15.623367
 97.5% Chebyshev(Mean, Sd) UCL 16.113048
 99% Chebyshev(Mean, Sd) UCL 17.074932

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 15.623367****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 341

Raw Statistics

Minimum 0.2

Maximum 163

Mean 13.82505

Median 11.1

SD 10.45535

Std. Error of Mean 0.2415849

Coefficient of Variation 0.7562613

Skewness 2.2341783

Log-transformed Statistics

Minimum of Log Data -1.609438

Maximum of Log Data 5.0937502

Mean of log Data 2.3405808

SD of log Data 0.7785055

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1690779

Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1945692

Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 14.222619

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 14.235748

95% Modified-t UCL (Johnson-1978) 14.224698

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 15.318671

97.5% Chebyshev (MVUE) UCL 15.862864

99% Chebyshev (MVUE) UCL 16.931824

Gamma Distribution Test

k star (bias corrected) 1.8958833

Theta Star 7.2921418

MLE of Mean 13.82505

MLE of Standard Deviation 10.040629

nu star 7101.979

Approximate Chi Square Value (.05) 6907.0883

Adjusted Level of Significance 0.0498719

Adjusted Chi Square Value 6906.9428

Anderson-Darling Test Statistic 59.419022

Anderson-Darling 5% Critical Value 0.7680947

Kolmogorov-Smirnov Test Statistic 0.194806

Kolmogorov-Smirnov 5% Critical Value 0.0228819

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 14.215138

95% Adjusted Gamma UCL 14.215438

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 14.222422

95% Jackknife UCL 14.222619

95% Standard Bootstrap UCL 14.223932

95% Bootstrap-t UCL 14.230276

95% Hall's Bootstrap UCL 14.224829

95% Percentile Bootstrap UCL 14.244563

95% BCA Bootstrap UCL 14.203875

95% Chebyshev(Mean, Sd) UCL 14.878094

97.5% Chebyshev(Mean, Sd) UCL 15.333747

99% Chebyshev(Mean, Sd) UCL 16.228789

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 14.878094****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.****These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.**

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 351

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 13.229535
 Median 9.4
 SD 10.801656
 Std. Error of Mean 0.2495867
 Coefficient of Variation 0.8164804
 Skewness 2.5621297

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.2850691
 SD of log Data 0.7760527

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1816317
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.2127119
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 13.640272

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 13.655857
 95% Modified-t UCL (Johnson-1978) 13.642735

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 14.459298
 97.5% Chebyshev (MVUE) UCL 14.971134
 99% Chebyshev (MVUE) UCL 15.976536

Gamma Distribution Test

k star (bias corrected) 1.8277963
 Theta Star 7.2379701
 MLE of Mean 13.229535
 MLE of Standard Deviation 9.7854473
 nu star 6846.9249
 Approximate Chi Square Value (.05) 6655.5867
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 6655.4438
 Anderson-Darling Test Statistic 66.800266
 Anderson-Darling 5% Critical Value 0.7687299
 Kolmogorov-Smirnov Test Statistic 0.2125772
 Kolmogorov-Smirnov 5% Critical Value 0.0228994

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 13.609864
 95% Adjusted Gamma UCL 13.610156

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 13.640069
 95% Jackknife UCL 13.640272
 95% Standard Bootstrap UCL 13.635151
 95% Bootstrap-t UCL 13.659782
 95% Hall's Bootstrap UCL 13.659737
 95% Percentile Bootstrap UCL 13.643191
 95% BCA Bootstrap UCL 13.665353
 95% Chebyshev(Mean, Sd) UCL 14.317458
 97.5% Chebyshev(Mean, Sd) UCL 14.788203
 99% Chebyshev(Mean, Sd) UCL 15.712891

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 14.317458****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 319

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 12.371873
 Median 8.6
 SD 9.8004215
 Std. Error of Mean 0.2264518
 Coefficient of Variation 0.7921534
 Skewness 2.7962883

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.2350881
 SD of log Data 0.7511073

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.2043602
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.227895
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 12.744539

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 12.759988
 95% Modified-t UCL (Johnson-1978) 12.746977

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 13.451787
 97.5% Chebyshev (MVUE) UCL 13.91076
 99% Chebyshev (MVUE) UCL 14.812322

Gamma Distribution Test

k star (bias corrected) 1.9308651
 Theta Star 6.407425
 MLE of Mean 12.371873
 MLE of Standard Deviation 8.9034741
 nu star 7233.0207
 Approximate Chi Square Value (.05) 7036.3297
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 7036.1829
 Anderson-Darling Test Statistic 79.634746
 Anderson-Darling 5% Critical Value 0.7677684
 Kolmogorov-Smirnov Test Statistic 0.2297716
 Kolmogorov-Smirnov 5% Critical Value 0.0228729

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 12.717712
 95% Adjusted Gamma UCL 12.717978

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 12.744354
 95% Jackknife UCL 12.744539
 95% Standard Bootstrap UCL 12.748771
 95% Bootstrap-t UCL 12.742655
 95% Hall's Bootstrap UCL 12.782347
 95% Percentile Bootstrap UCL 12.735706
 95% BCA Bootstrap UCL 12.738123
 95% Chebyshev(Mean, Sd) UCL 13.358954
 97.5% Chebyshev(Mean, Sd) UCL 13.786065
 99% Chebyshev(Mean, Sd) UCL 14.625041

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 13.358954****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 271

Raw Statistics

Minimum 0.2
 Maximum 163
 Mean 11.104068
 Median 6.1
 SD 8.6475781
 Std. Error of Mean 0.1998139
 Coefficient of Variation 0.7787757
 Skewness 3.5617459

Log-transformed Statistics

Minimum of Log Data -1.609438
 Maximum of Log Data 5.0937502
 Mean of log Data 2.1504018
 SD of log Data 0.7102174

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.2371747
 Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.2541859
 Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 11.432896

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 11.450303
 95% Modified-t UCL (Johnson-1978) 11.435636

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 11.934085
 97.5% Chebyshev (MVUE) UCL 12.316596
 99% Chebyshev (MVUE) UCL 13.067963

Gamma Distribution Test

k star (bias corrected) 2.0946389
 Theta Star 5.3011848
 MLE of Mean 11.104068
 MLE of Standard Deviation 7.6723344
 nu star 7846.5172
 Approximate Chi Square Value (.05) 7641.6067
 Adjusted Level of Significance 0.0498719
 Adjusted Chi Square Value 7641.4536
 Anderson-Darling Test Statistic 103.35851
 Anderson-Darling 5% Critical Value 0.7664814
 Kolmogorov-Smirnov Test Statistic 0.2585178
 Kolmogorov-Smirnov 5% Critical Value 0.0228444

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 11.401825
 95% Adjusted Gamma UCL 11.402053

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 11.432732
 95% Jackknife UCL 11.432896
 95% Standard Bootstrap UCL 11.425314
 95% Bootstrap-t UCL 11.444039
 95% Hall's Bootstrap UCL 11.481213
 95% Percentile Bootstrap UCL 11.431032
 95% BCA Bootstrap UCL 11.46021
 95% Chebyshev(Mean, Sd) UCL 11.975036
 97.5% Chebyshev(Mean, Sd) UCL 12.351905
 99% Chebyshev(Mean, Sd) UCL 13.092191

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 11.975036****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Culvert 105 Study Area North of the Canal - Surface, Pre-ICM

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 247

Raw Statistics

Minimum 0.11
Maximum 432
Mean 60.306285
Median 31.05
SD 76.334329
Std. Error of Mean 4.4980435
Coefficient of Variation 1.2657774
Skewness 2.3351853

Log-transformed Statistics

Minimum of Log Data -2.207275
Maximum of Log Data 6.0684256
Mean of log Data 3.4389735
SD of log Data 1.1983838

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2403854
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0384998
Lilliefors Critical Value 0.0522081

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 67.728868

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 68.366255
95% Modified-t UCL (Johnson-1978) 67.832025

Assuming Lognormal Distribution

95% H-UCL 75.207502

95% Chebyshev (MVUE) UCL 88.990114
97.5% Chebyshev (MVUE) UCL 99.971801
99% Chebyshev (MVUE) UCL 121.5432

Gamma Distribution Test

k star (bias corrected) 0.8798638
Theta Star 68.540474
MLE of Mean 60.306285
MLE of Standard Deviation 64.291689
nu star 506.80157

Approximate Chi Square Value (.05) 455.59558
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 455.35445

Anderson-Darling Test Statistic 5.1580337
Anderson-Darling 5% Critical Value 0.7898012
Kolmogorov-Smirnov Test Statistic 0.1101418
Kolmogorov-Smirnov 5% Critical Value 0.0553429

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 67.084321
95% Adjusted Gamma UCL 67.119844

Potential UCL to Use

Data Distribution

Data appear Lognormal at 5% Significance Level

Nonparametric Statistics

95% CLT UCL 67.704908
95% Jackknife UCL 67.728868
95% Standard Bootstrap UCL 67.647734
95% Bootstrap-t UCL 68.578148
95% Hall's Bootstrap UCL 68.080469
95% Percentile Bootstrap UCL 67.641354
95% BCA Bootstrap UCL 68.188264
95% Chebyshev(Mean, Sd) UCL 79.912802
97.5% Chebyshev(Mean, Sd) UCL 88.396557
99% Chebyshev(Mean, Sd) UCL 105.06125

Use 95% H-UCL 75.207502

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 1

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 220

Raw Statistics

Minimum 0.11
Maximum 432
Mean 53.440729
Median 22.5
SD 76.996963
Std. Error of Mean 4.5370896
Coefficient of Variation 1.4407918
Skewness 2.4630774

Log-transformed Statistics

Minimum of Log Data -2.207275
Maximum of Log Data 6.0684256
Mean of log Data 3.0947655
SD of log Data 1.4017585

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2502274
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0664863
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 60.927746

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 61.6072
95% Modified-t UCL (Johnson-1978) 61.037497

Assuming Lognormal Distribution

95% H-UCL 72.529643

95% Chebyshev (MVUE) UCL 87.824382
97.5% Chebyshev (MVUE) UCL 100.47498
99% Chebyshev (MVUE) UCL 125.32463

Gamma Distribution Test

k star (bias corrected) 0.6809384
Theta Star 78.481001
MLE of Mean 53.440729
MLE of Standard Deviation 64.761732
nu star 392.22053

Approximate Chi Square Value (.05) 347.31641
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 347.10642

Anderson-Darling Test Statistic 5.8347393
Anderson-Darling 5% Critical Value 0.8031753
Kolmogorov-Smirnov Test Statistic 0.1042092
Kolmogorov-Smirnov 5% Critical Value 0.0558767

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 60.350018
95% Adjusted Gamma UCL 60.386527

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 60.903577
95% Jackknife UCL 60.927746
95% Standard Bootstrap UCL 60.725598
95% Bootstrap-t UCL 61.315975
95% Hall's Bootstrap UCL 61.017152
95% Percentile Bootstrap UCL 60.33434
95% BCA Bootstrap UCL 62.337917
95% Chebyshev(Mean, Sd) UCL 73.217444
97.5% Chebyshev(Mean, Sd) UCL 81.774844
99% Chebyshev(Mean, Sd) UCL 98.5842

Use 95% Chebyshev (Mean, Sd) UCL 73.217444

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 2

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 53

Raw Statistics

Minimum 2.8
Maximum 19.1
Mean 5.5990278
Median 5
SD 2.6904211
Std. Error of Mean 0.1585346
Coefficient of Variation 0.4805158
Skewness 2.6536764

Log-transformed Statistics

Minimum of Log Data 1.0296194
Maximum of Log Data 2.9496883
Mean of log Data 1.6445781
SD of log Data 0.3683479

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.4040691
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3539734
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 5.8606385

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 5.8862824
95% Modified-t UCL (Johnson-1978) 5.8647701

Assuming Lognormal Distribution

95% H-UCL 5.7558998

95% Chebyshev (MVUE) UCL 6.082162
97.5% Chebyshev (MVUE) UCL 6.3163429
99% Chebyshev (MVUE) UCL 6.7763458

Gamma Distribution Test

k star (bias corrected) 6.5050764
Theta Star 0.8607167
MLE of Mean 5.5990278
MLE of Standard Deviation 2.1952623
nu star 3746.924
Approximate Chi Square Value (.05) 3605.68
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 3604.9937

Anderson-Darling Test Statistic 37.739237
Anderson-Darling 5% Critical Value 0.7560896
Kolmogorov-Smirnov Test Statistic 0.3767909
Kolmogorov-Smirnov 5% Critical Value 0.053581

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 5.8183565
95% Adjusted Gamma UCL 5.8194641

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 5.859794
95% Jackknife UCL 5.8606385
95% Standard Bootstrap UCL 5.8604482
95% Bootstrap-t UCL 5.889484
95% Hall's Bootstrap UCL 5.8796461
95% Percentile Bootstrap UCL 5.8658333
95% BCA Bootstrap UCL 5.915
95% Chebyshev(Mean, Sd) UCL 6.290064
97.5% Chebyshev(Mean, Sd) UCL 6.5890759
99% Chebyshev(Mean, Sd) UCL 7.176427

Use 95% Student's-t UCL 5.8606385
or 95% Modified-t UCL 5.8647701

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 3

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 98

Raw Statistics

Minimum 2.4
Maximum 73.7
Mean 8.9545833
Median 5
SD 9.3296652
Std. Error of Mean 0.5497558
Coefficient of Variation 1.0418871
Skewness 3.1842226

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 4.3000028
Mean of log Data 1.8938627
SD of log Data 0.6879836

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3100037
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3061831
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 9.8617796

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 9.9690704
95% Modified-t UCL (Johnson-1978) 9.8789716

Assuming Lognormal Distribution

95% H-UCL 9.0970459

95% Chebyshev (MVUE) UCL 10.057884
97.5% Chebyshev (MVUE) UCL 10.770603
99% Chebyshev (MVUE) UCL 12.170603

Gamma Distribution Test

k star (bias corrected) 1.8084349
Theta Star 4.9515653
MLE of Mean 8.9545833
MLE of Standard Deviation 6.6587689
nu star 1041.6585
Approximate Chi Square Value (.05) 967.73594
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 967.38252

Anderson-Darling Test Statistic 27.915749
Anderson-Darling 5% Critical Value 0.7680292
Kolmogorov-Smirnov Test Statistic 0.3226747
Kolmogorov-Smirnov 5% Critical Value 0.0542769

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 9.6385981
95% Adjusted Gamma UCL 9.6421194

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 9.8588511
95% Jackknife UCL 9.8617796
95% Standard Bootstrap UCL 9.8531913
95% Bootstrap-t UCL 9.9693448
95% Hall's Bootstrap UCL 10.027647
95% Percentile Bootstrap UCL 9.8736111
95% BCA Bootstrap UCL 10.065764
95% Chebyshev(Mean, Sd) UCL 11.350913
97.5% Chebyshev(Mean, Sd) UCL 12.387807
99% Chebyshev(Mean, Sd) UCL 14.424584

Use 95% Chebyshev (Mean, Sd) UCL 11.350913

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 4

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 137

Raw Statistics

Minimum 2.4
Maximum 58.8
Mean 13.217083
Median 5
SD 13.533706
Std. Error of Mean 0.7974813
Coefficient of Variation 1.0239556
Skewness 1.598263

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 4.0741419
Mean of log Data 2.1581681
SD of log Data 0.8812383

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2408063
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2367251
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 14.533071

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 14.609075
95% Modified-t UCL (Johnson-1978) 14.545589

Assuming Lognormal Distribution

95% H-UCL 14.191541

95% Chebyshev (MVUE) UCL 16.115712
97.5% Chebyshev (MVUE) UCL 17.577226
99% Chebyshev (MVUE) UCL 20.448089

Gamma Distribution Test

k star (bias corrected) 1.3114633
Theta Star 10.078119
MLE of Mean 13.217083
MLE of Standard Deviation 11.541375
nu star 755.40285
Approximate Chi Square Value (.05) 692.62595
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 692.32763

Anderson-Darling Test Statistic 17.623742
Anderson-Darling 5% Critical Value 0.7762113
Kolmogorov-Smirnov Test Statistic 0.2466952
Kolmogorov-Smirnov 5% Critical Value 0.0546997

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 14.415028
95% Adjusted Gamma UCL 14.421239

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 14.528823
95% Jackknife UCL 14.533071
95% Standard Bootstrap UCL 14.513934
95% Bootstrap-t UCL 14.5944
95% Hall's Bootstrap UCL 14.624445
95% Percentile Bootstrap UCL 14.562361
95% BCA Bootstrap UCL 14.537708
95% Chebyshev(Mean, Sd) UCL 16.693224
97.5% Chebyshev(Mean, Sd) UCL 18.197352
99% Chebyshev(Mean, Sd) UCL 21.151922

Use 95% Chebyshev (Mean, Sd) UCL 16.693224

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 5

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 149

Raw Statistics

Minimum 2.4
Maximum 74.5
Mean 15.638264
Median 6.9
SD 16.729187
Std. Error of Mean 0.9857768
Coefficient of Variation 1.0697599
Skewness 1.6276621

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 4.3107991
Mean of log Data 2.267577
SD of log Data 0.9545533

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2252486
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2095984
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 17.264974

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 17.360747
95% Modified-t UCL (Johnson-1978) 17.280731

Assuming Lognormal Distribution

95% H-UCL 17.140035

95% Chebyshev (MVUE) UCL 19.657231
97.5% Chebyshev (MVUE) UCL 21.588671
99% Chebyshev (MVUE) UCL 25.38261

Gamma Distribution Test

k star (bias corrected) 1.1657711
Theta Star 13.414523
MLE of Mean 15.638264
MLE of Standard Deviation 14.483779
nu star 671.48416
Approximate Chi Square Value (.05) 612.36424
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 612.084

Anderson-Darling Test Statistic 14.713992
Anderson-Darling 5% Critical Value 0.7797629
Kolmogorov-Smirnov Test Statistic 0.2159837
Kolmogorov-Smirnov 5% Critical Value 0.0548804

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 17.14804
95% Adjusted Gamma UCL 17.155891

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 17.259722
95% Jackknife UCL 17.264974
95% Standard Bootstrap UCL 17.214534
95% Bootstrap-t UCL 17.391548
95% Hall's Bootstrap UCL 17.395133
95% Percentile Bootstrap UCL 17.309444
95% BCA Bootstrap UCL 17.272361
95% Chebyshev(Mean, Sd) UCL 19.935165
97.5% Chebyshev(Mean, Sd) UCL 21.794438
99% Chebyshev(Mean, Sd) UCL 25.446619

Use 95% Chebyshev (Mean, Sd) UCL 19.935165

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 6A/B

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 90

Raw Statistics

Minimum 2.4
Maximum 73.7
Mean 8.0736806
Median 5
SD 8.2437479
Std. Error of Mean 0.4857675
Coefficient of Variation 1.0210644
Skewness 4.0392144

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 4.3000028
Mean of log Data 1.8334243
SD of log Data 0.6271564

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3259255
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3200643
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.8752846

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 8.9962375
95% Modified-t UCL (Johnson-1978) 8.8945544

Assuming Lognormal Distribution

95% H-UCL 8.1603708

95% Chebyshev (MVUE) UCL 8.9454945
97.5% Chebyshev (MVUE) UCL 9.5239956
99% Chebyshev (MVUE) UCL 10.660349

Gamma Distribution Test

k star (bias corrected) 2.0912247
Theta Star 3.8607427
MLE of Mean 8.0736806
MLE of Standard Deviation 5.5830461
nu star 1204.5454
Approximate Chi Square Value (.05) 1124.9648
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 1124.5834

Anderson-Darling Test Statistic 29.989705
Anderson-Darling 5% Critical Value 0.7652162
Kolmogorov-Smirnov Test Statistic 0.3380468
Kolmogorov-Smirnov 5% Critical Value 0.0541296

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.6448169
95% Adjusted Gamma UCL 8.6477487

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.872697
95% Jackknife UCL 8.8752846
95% Standard Bootstrap UCL 8.8480005
95% Bootstrap-t UCL 9.0551781
95% Hall's Bootstrap UCL 9.0710939
95% Percentile Bootstrap UCL 8.9680556
95% BCA Bootstrap UCL 8.9810417
95% Chebyshev(Mean, Sd) UCL 10.191092
97.5% Chebyshev(Mean, Sd) UCL 11.107298
99% Chebyshev(Mean, Sd) UCL 12.907006

Use 95% Chebyshev (Mean, Sd) UCL 10.191092

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 7A/B

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 85

Raw Statistics

Minimum 2.4
Maximum 73.7
Mean 7.615
Median 5
SD 7.6266693
Std. Error of Mean 0.4494058
Coefficient of Variation 1.0015324
Skewness 4.7538725

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 4.3000028
Mean of log Data 1.8021446
SD of log Data 0.5891645

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3320707
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3261147
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.3566007

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 8.4887217
95% Modified-t UCL (Johnson-1978) 8.3775823

Gamma Distribution Test

k star (bias corrected) 2.3242584
Theta Star 3.2763139
MLE of Mean 7.615
MLE of Standard Deviation 4.9949105
nu star 1338.7728

Approximate Chi Square Value (.05) 1254.812
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 1254.4089

Anderson-Darling Test Statistic 30.745717
Anderson-Darling 5% Critical Value 0.7637089
Kolmogorov-Smirnov Test Statistic 0.3445636
Kolmogorov-Smirnov 5% Critical Value 0.0540514

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.1245281
95% Adjusted Gamma UCL 8.1271385

Potential UCL to Use

Assuming Lognormal Distribution

95% H-UCL 7.6901562

95% Chebyshev (MVUE) UCL 8.3850672
97.5% Chebyshev (MVUE) UCL 8.8949949
99% Chebyshev (MVUE) UCL 9.8966491

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.3542068
95% Jackknife UCL 8.3566007
95% Standard Bootstrap UCL 8.3401986
95% Bootstrap-t UCL 8.5172747
95% Hall's Bootstrap UCL 8.5858717
95% Percentile Bootstrap UCL 8.4048611
95% BCA Bootstrap UCL 8.5027083
95% Chebyshev(Mean, Sd) UCL 9.5739145
97.5% Chebyshev(Mean, Sd) UCL 10.421538
99% Chebyshev(Mean, Sd) UCL 12.086531

Use 95% Chebyshev (Mean, Sd) UCL 9.5739145

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Surface, CMA 8

General Statistics

Number of Valid Observations 288

Number of Distinct Observations 82

Raw Statistics

Minimum 2.4
Maximum 29
Mean 7.0240278
Median 5
SD 5.1027658
Std. Error of Mean 0.3006834
Coefficient of Variation 0.7264729
Skewness 2.1786336

Log-transformed Statistics

Minimum of Log Data 0.8754687
Maximum of Log Data 3.3672958
Mean of log Data 1.776135
SD of log Data 0.5394169

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3625217
Lilliefors Critical Value 0.0522081

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3296848
Lilliefors Critical Value 0.0522081

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 7.5202096

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.5598535
95% Modified-t UCL (Johnson-1978) 7.5266431

Assuming Lognormal Distribution

95% H-UCL 7.2394967

95% Chebyshev (MVUE) UCL 7.8384859
97.5% Chebyshev (MVUE) UCL 8.2756924
99% Chebyshev (MVUE) UCL 9.1344999

Gamma Distribution Test

k star (bias corrected) 3.0138897
Theta Star 2.3305524
MLE of Mean 7.0240278
MLE of Standard Deviation 4.0459689
nu star 1736.0005
Approximate Chi Square Value (.05) 1640.2299
Adjusted Level of Significance 0.0491667
Adjusted Chi Square Value 1639.7685

Anderson-Darling Test Statistic 30.686341
Anderson-Darling 5% Critical Value 0.7594821
Kolmogorov-Smirnov Test Statistic 0.3504111
Kolmogorov-Smirnov 5% Critical Value 0.0538299

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 7.4341502
95% Adjusted Gamma UCL 7.4362422

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 7.5186079
95% Jackknife UCL 7.5202096
95% Standard Bootstrap UCL 7.5283226
95% Bootstrap-t UCL 7.5589922
95% Hall's Bootstrap UCL 7.5693517
95% Percentile Bootstrap UCL 7.5388194
95% BCA Bootstrap UCL 7.5676389
95% Chebyshev(Mean, Sd) UCL 8.3346762
97.5% Chebyshev(Mean, Sd) UCL 8.9017948
99% Chebyshev(Mean, Sd) UCL 10.015789

Use 95% Chebyshev (Mean, Sd) UCL 8.3346762

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Culvert 105, Reach C1 - Surface, Current

General Statistics

Number of Valid Observations 76

Number of Distinct Observations 35

Raw Statistics

Minimum 2.8
Maximum 199
Mean 12.612105
Median 3.48
SD 27.765619
Std. Error of Mean 3.1849349
Coefficient of Variation 2.2015055
Skewness 5.0547737

Log-transformed Statistics

Minimum of Log Data 1.0296194
Maximum of Log Data 5.2933048
Mean of log Data 1.8003196
SD of log Data 0.9780541

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3618979
Lilliefors Critical Value 0.1016312

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2782557
Lilliefors Critical Value 0.1016312

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 17.916377

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 19.824079
95% Modified-t UCL (Johnson-1978) 18.224159

Assuming Lognormal Distribution

95% H-UCL 12.571931

95% Chebyshev (MVUE) UCL 15.278153
97.5% Chebyshev (MVUE) UCL 17.702944
99% Chebyshev (MVUE) UCL 22.465978

Gamma Distribution Test

k star (bias corrected) 0.7841507
Theta Star 16.083778
MLE of Mean 12.612105
MLE of Standard Deviation 14.242552
nu star 119.1909
Approximate Chi Square Value (.05) 94.981764
Adjusted Level of Significance 0.0468421
Adjusted Chi Square Value 94.565794

Anderson-Darling Test Statistic 8.8595908
Anderson-Darling 5% Critical Value 0.7902643
Kolmogorov-Smirnov Test Statistic 0.2489159
Kolmogorov-Smirnov 5% Critical Value 0.1062502

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 15.826704
95% Adjusted Gamma UCL 15.896321

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 17.850857
95% Jackknife UCL 17.916377
95% Standard Bootstrap UCL 17.863935
95% Bootstrap-t UCL 24.131791
95% Hall's Bootstrap UCL 20.412251
95% Percentile Bootstrap UCL 18.212105
95% BCA Bootstrap UCL 20.676842
95% Chebyshev(Mean, Sd) UCL 26.494915
97.5% Chebyshev(Mean, Sd) UCL 32.502018
99% Chebyshev(Mean, Sd) UCL 44.301808

Use 95% Chebyshev (Mean, Sd) UCL 26.494915

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105, Reach C2 - Surface, Current

General Statistics

Number of Valid Observations 132

Number of Distinct Observations 124

Raw Statistics

Minimum 0.11
Maximum 432
Mean 80.700076
Median 38.1
SD 91.645677
Std. Error of Mean 7.9767323
Coefficient of Variation 1.1356331
Skewness 1.6768867

Log-transformed Statistics

Minimum of Log Data -2.207275
Maximum of Log Data 6.0684256
Mean of log Data 3.7175164
SD of log Data 1.2949955

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2532173
Lilliefors Critical Value 0.0771164

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0627372
Lilliefors Critical Value 0.0771164

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 93.91408

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 95.064638
95% Modified-t UCL (Johnson-1978) 94.108119

Assuming Lognormal Distribution

95% H-UCL 125.9822

95% Chebyshev (MVUE) UCL 155.07939
97.5% Chebyshev (MVUE) UCL 181.4575
99% Chebyshev (MVUE) UCL 233.27218

Gamma Distribution Test

k star (bias corrected) 0.8570761
Theta Star 94.157426
MLE of Mean 80.700076
MLE of Standard Deviation 87.169441
nu star 226.26808
Approximate Chi Square Value (.05) 192.45063
Adjusted Level of Significance 0.0481818
Adjusted Chi Square Value 192.10935

Anderson-Darling Test Statistic 2.1031446
Anderson-Darling 5% Critical Value 0.7894907
Kolmogorov-Smirnov Test Statistic 0.1392307
Kolmogorov-Smirnov 5% Critical Value 0.0840107

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 94.880701
95% Adjusted Gamma UCL 95.049256

Potential UCL to Use

Data Distribution

Data appear Lognormal at 5% Significance Level

Nonparametric Statistics

95% CLT UCL 93.820633
95% Jackknife UCL 93.91408
95% Standard Bootstrap UCL 93.571431
95% Bootstrap-t UCL 95.025266
95% Hall's Bootstrap UCL 95.015297
95% Percentile Bootstrap UCL 94.266742
95% BCA Bootstrap UCL 95.463712
95% Chebyshev(Mean, Sd) UCL 115.46985
97.5% Chebyshev(Mean, Sd) UCL 130.51475
99% Chebyshev(Mean, Sd) UCL 160.06756

Use 95% H-UCL 125.9822

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105, Reach C3 - Surface, Current

General Statistics

Number of Valid Observations 80

Number of Distinct Observations 77

Raw Statistics

Minimum 3.4
Maximum 416
Mean 47.25
Median 30.65
SD 63.202255
Std. Error of Mean 7.0662269
Coefficient of Variation 1.3376139
Skewness 3.6769811

Log-transformed Statistics

Minimum of Log Data 1.2237754
Maximum of Log Data 6.0306853
Mean of log Data 3.2969501
SD of log Data 1.0714582

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2439025
Lilliefors Critical Value 0.0990578

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0753837
Lilliefors Critical Value 0.0990578

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 59.010826

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 61.976857
95% Modified-t UCL (Johnson-1978) 59.494979

Assuming Lognormal Distribution

95% H-UCL 63.626101

95% Chebyshev (MVUE) UCL 77.628253
97.5% Chebyshev (MVUE) UCL 90.682022
99% Chebyshev (MVUE) UCL 116.32363

Gamma Distribution Test

k star (bias corrected) 0.9996723
Theta Star 47.26549
MLE of Mean 47.25
MLE of Standard Deviation 47.257744
nu star 159.94756
Approximate Chi Square Value (.05) 131.70845
Adjusted Level of Significance 0.047
Adjusted Chi Square Value 131.24092

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 57.380693
95% Adjusted Gamma UCL 57.585105

Potential UCL to Use

Data Distribution

Data appear Lognormal at 5% Significance Level

Nonparametric Statistics

95% CLT UCL 58.872909
95% Jackknife UCL 59.010826
95% Standard Bootstrap UCL 58.614756
95% Bootstrap-t UCL 65.962145
95% Hall's Bootstrap UCL 68.100139
95% Percentile Bootstrap UCL 58.62
95% BCA Bootstrap UCL 63.22125
95% Chebyshev(Mean, Sd) UCL 78.050969
97.5% Chebyshev(Mean, Sd) UCL 91.378573
99% Chebyshev(Mean, Sd) UCL 117.55807

Use 95% H-UCL 63.626101

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Culvert 105 Study Area - Pre-ICM

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 270

Raw Statistics

Minimum 1
Maximum 636
Mean 34.004412
Median 15.15
SD 57.858143
Std. Error of Mean 2.8644049
Coefficient of Variation 1.7014893
Skewness 4.8977497

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 6.4551986
Mean of log Data 2.6365323
SD of log Data 1.3606362

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2841908
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0847437
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 38.726685

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 39.458071
95% Modified-t UCL (Johnson-1978) 38.842443

Assuming Lognormal Distribution

95% H-UCL 41.461974

95% Chebyshev (MVUE) UCL 49.235529
97.5% Chebyshev (MVUE) UCL 55.357215
99% Chebyshev (MVUE) UCL 67.382082

Gamma Distribution Test

k star (bias corrected) 0.6782333
Theta Star 50.136747
MLE of Mean 34.004412
MLE of Standard Deviation 41.290079
nu star 553.43838
Approximate Chi Square Value (.05) 499.87489
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 499.6968

Anderson-Darling Test Statistic 8.2014202
Anderson-Darling 5% Critical Value 0.8045683
Kolmogorov-Smirnov Test Statistic 0.1021635
Kolmogorov-Smirnov 5% Critical Value 0.0468245

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 37.648113
95% Adjusted Gamma UCL 37.661531

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 38.715939
95% Jackknife UCL 38.726685
95% Standard Bootstrap UCL 38.608524
95% Bootstrap-t UCL 39.599308
95% Hall's Bootstrap UCL 40.062884
95% Percentile Bootstrap UCL 39.20098
95% BCA Bootstrap UCL 39.198284
95% Chebyshev(Mean, Sd) UCL 46.490063
97.5% Chebyshev(Mean, Sd) UCL 51.892615
99% Chebyshev(Mean, Sd) UCL 62.504881

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 46.490063

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 231

Raw Statistics

Minimum 1
Maximum 636
Mean 26.538333
Median 7.85
SD 55.470646
Std. Error of Mean 2.7462062
Coefficient of Variation 2.0902083
Skewness 5.7113163

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 6.4551986
Mean of log Data 2.2686746
SD of log Data 1.3372924

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3226168
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1388658
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 31.065743

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 31.885138
95% Modified-t UCL (Johnson-1978) 31.195159

Assuming Lognormal Distribution

95% H-UCL 27.694059

95% Chebyshev (MVUE) UCL 32.796436
97.5% Chebyshev (MVUE) UCL 36.801467
99% Chebyshev (MVUE) UCL 44.668575

Gamma Distribution Test

k star (bias corrected) 0.6074287
Theta Star 43.68963
MLE of Mean 26.538333
MLE of Standard Deviation 34.050697
nu star 495.66179
Approximate Chi Square Value (.05) 445.03479
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 444.86693

Anderson-Darling Test Statistic 20.567655
Anderson-Darling 5% Critical Value 0.8118002
Kolmogorov-Smirnov Test Statistic 0.1712955
Kolmogorov-Smirnov 5% Critical Value 0.0470512

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 29.557324
95% Adjusted Gamma UCL 29.568477

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 31.055441
95% Jackknife UCL 31.065743
95% Standard Bootstrap UCL 30.918791
95% Bootstrap-t UCL 32.420228
95% Hall's Bootstrap UCL 32.860347
95% Percentile Bootstrap UCL 31.206765
95% BCA Bootstrap UCL 32.064167
95% Chebyshev(Mean, Sd) UCL 38.508769
97.5% Chebyshev(Mean, Sd) UCL 43.688385
99% Chebyshev(Mean, Sd) UCL 53.86274

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 38.508769

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 99

Raw Statistics

Minimum 1
Maximum 79.1
Mean 5.9341667
Median 5
SD 7.1273271
Std. Error of Mean 0.3528553
Coefficient of Variation 1.2010662
Skewness 6.3463434

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.5354113
SD of log Data 0.6004759

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3707668
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 6.5158857

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 6.6330216
95% Modified-t UCL (Johnson-1978) 6.534363

Gamma Distribution Test

k star (bias corrected) 2.1758485
Theta Star 2.7272886
MLE of Mean 5.9341667
MLE of Standard Deviation 4.0229572
nu star 1775.4923
Approximate Chi Square Value (.05) 1678.6254
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 1678.2965

Anderson-Darling Test Statistic 34.956308
Anderson-Darling 5% Critical Value 0.7649492
Kolmogorov-Smirnov Test Statistic 0.3251755
Kolmogorov-Smirnov 5% Critical Value 0.0453237

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 6.2766043
95% Adjusted Gamma UCL 6.2778343

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.2695702
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL 5.872808
95% Chebyshev (MVUE) UCL 6.3386226
97.5% Chebyshev (MVUE) UCL 6.6765482
99% Chebyshev (MVUE) UCL 7.3403377

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 6.5145619
95% Jackknife UCL 6.5158857
95% Standard Bootstrap UCL 6.5138977
95% Bootstrap-t UCL 6.7017921
95% Hall's Bootstrap UCL 6.6702479
95% Percentile Bootstrap UCL 6.5412255
95% BCA Bootstrap UCL 6.6019118
95% Chebyshev(Mean, Sd) UCL 7.4722271
97.5% Chebyshev(Mean, Sd) UCL 8.1377471
99% Chebyshev(Mean, Sd) UCL 9.4450323

Use 95% Chebyshev (Mean, Sd) UCL 7.4722271

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 137

Raw Statistics

Minimum 1
Maximum 79.1
Mean 7.7231373
Median 5
SD 8.9437983
Std. Error of Mean 0.442784
Coefficient of Variation 1.1580525
Skewness 3.5614869

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.6826766
SD of log Data 0.7704452

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3332132
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.4531133

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 8.5348728
95% Modified-t UCL (Johnson-1978) 8.4661252

Gamma Distribution Test

k star (bias corrected) 1.5186723
Theta Star 5.0854534
MLE of Mean 7.7231373
MLE of Standard Deviation 6.2670292
nu star 1239.2366
Approximate Chi Square Value (.05) 1158.5015
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 1158.2287

Anderson-Darling Test Statistic 28.162812
Anderson-Darling 5% Critical Value 0.772356
Kolmogorov-Smirnov Test Statistic 0.2956637
Kolmogorov-Smirnov 5% Critical Value 0.0456202

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.2613572
95% Adjusted Gamma UCL 8.2633024

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.2461998
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL 7.7948044
95% Chebyshev (MVUE) UCL 8.5971533
97.5% Chebyshev (MVUE) UCL 9.1878171
99% Chebyshev (MVUE) UCL 10.348062

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.4514521
95% Jackknife UCL 8.4531133
95% Standard Bootstrap UCL 8.4481239
95% Bootstrap-t UCL 8.5337454
95% Hall's Bootstrap UCL 8.5148798
95% Percentile Bootstrap UCL 8.4656863
95% BCA Bootstrap UCL 8.6058333
95% Chebyshev(Mean, Sd) UCL 9.6531879
97.5% Chebyshev(Mean, Sd) UCL 10.488322
99% Chebyshev(Mean, Sd) UCL 12.128782

Use 95% Chebyshev (Mean, Sd) UCL 9.6531879

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 166

Raw Statistics

Minimum 1
Maximum 79.1
Mean 10.340049
Median 5
SD 12.364491
Std. Error of Mean 0.6121335
Coefficient of Variation 1.1957865
Skewness 2.2710538

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.8351178
SD of log Data 0.9427337

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2971014
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2048921
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 11.349216

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 11.420459
95% Modified-t UCL (Johnson-1978) 11.360686

Assuming Lognormal Distribution

95% H-UCL 10.758618

95% Chebyshev (MVUE) UCL 12.130596
97.5% Chebyshev (MVUE) UCL 13.157914
99% Chebyshev (MVUE) UCL 15.175882

Gamma Distribution Test

k star (bias corrected) 1.1291489
Theta Star 9.1573833
MLE of Mean 10.340049
MLE of Standard Deviation 9.7307652
nu star 921.38548
Approximate Chi Square Value (.05) 851.93119
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 851.69776

Anderson-Darling Test Statistic 22.902979
Anderson-Darling 5% Critical Value 0.781431
Kolmogorov-Smirnov Test Statistic 0.2511081
Kolmogorov-Smirnov 5% Critical Value 0.0459903

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 11.183029
95% Adjusted Gamma UCL 11.186094

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 11.346919
95% Jackknife UCL 11.349216
95% Standard Bootstrap UCL 11.318566
95% Bootstrap-t UCL 11.436493
95% Hall's Bootstrap UCL 11.437052
95% Percentile Bootstrap UCL 11.330343
95% BCA Bootstrap UCL 11.372549
95% Chebyshev(Mean, Sd) UCL 13.008277
97.5% Chebyshev(Mean, Sd) UCL 14.162822
99% Chebyshev(Mean, Sd) UCL 16.430701

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 13.008277

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 177

Raw Statistics

Minimum 1
Maximum 79.1
Mean 11.511127
Median 5
SD 14.364191
Std. Error of Mean 0.7111334
Coefficient of Variation 1.2478527
Skewness 2.293704

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.8905755
SD of log Data 0.9955708

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2794167
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1896085
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 12.683506

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 12.767124
95% Modified-t UCL (Johnson-1978) 12.696965

Assuming Lognormal Distribution

95% H-UCL 12.058225

95% Chebyshev (MVUE) UCL 13.688121
97.5% Chebyshev (MVUE) UCL 14.91533
99% Chebyshev (MVUE) UCL 17.325943

Gamma Distribution Test

k star (bias corrected) 1.0335797
Theta Star 11.137146
MLE of Mean 11.511127
MLE of Standard Deviation 11.322593
nu star 843.40102
Approximate Chi Square Value (.05) 777.00172
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 776.77894

Anderson-Darling Test Statistic 21.669147
Anderson-Darling 5% Critical Value 0.7837304
Kolmogorov-Smirnov Test Statistic 0.2343887
Kolmogorov-Smirnov 5% Critical Value 0.0460842

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 12.49482
95% Adjusted Gamma UCL 12.498403

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 12.680838
95% Jackknife UCL 12.683506
95% Standard Bootstrap UCL 12.681768
95% Bootstrap-t UCL 12.755017
95% Hall's Bootstrap UCL 12.786823
95% Percentile Bootstrap UCL 12.65348
95% BCA Bootstrap UCL 12.891569
95% Chebyshev(Mean, Sd) UCL 14.610886
97.5% Chebyshev(Mean, Sd) UCL 15.952154
99% Chebyshev(Mean, Sd) UCL 18.586816

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 14.610886

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 133

Raw Statistics

Minimum 1
Maximum 79.1
Mean 7.6334314
Median 5
SD 8.8465796
Std. Error of Mean 0.437971
Coefficient of Variation 1.1589257
Skewness 3.6714066

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.6841735
SD of log Data 0.7477645

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3399278
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.3554726

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 8.43889
95% Modified-t UCL (Johnson-1978) 8.3687403

Gamma Distribution Test

k star (bias corrected) 1.5713598
Theta Star 4.8578509
MLE of Mean 7.6334314
MLE of Standard Deviation 6.089505
nu star 1282.2296
Approximate Chi Square Value (.05) 1200.0858
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 1199.8082

Anderson-Darling Test Statistic 30.89455
Anderson-Darling 5% Critical Value 0.7716464
Kolmogorov-Smirnov Test Statistic 0.3057737
Kolmogorov-Smirnov 5% Critical Value 0.0455919

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.1559263
95% Adjusted Gamma UCL 8.1578135

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.2579434
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL 7.6522985
95% Chebyshev (MVUE) UCL 8.4156169
97.5% Chebyshev (MVUE) UCL 8.9763343
99% Chebyshev (MVUE) UCL 10.077755

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.3538295
95% Jackknife UCL 8.3554726
95% Standard Bootstrap UCL 8.3618381
95% Bootstrap-t UCL 8.4407932
95% Hall's Bootstrap UCL 8.4683807
95% Percentile Bootstrap UCL 8.379951
95% BCA Bootstrap UCL 8.5030392
95% Chebyshev(Mean, Sd) UCL 9.5425025
97.5% Chebyshev(Mean, Sd) UCL 10.368559
99% Chebyshev(Mean, Sd) UCL 11.991187

Use 95% Chebyshev (Mean, Sd) UCL 9.5425025

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 125

Raw Statistics

Minimum 1
Maximum 79.1
Mean 7.0915196
Median 5
SD 8.2123265
Std. Error of Mean 0.4065707
Coefficient of Variation 1.1580489
Skewness 4.291161

Log-transformed Statistics

Minimum of Log Data 0
Maximum of Log Data 4.3707129
Mean of log Data 1.6353978
SD of log Data 0.7198928

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3395425
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2521282
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 7.7617943

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.8525604
95% Modified-t UCL (Johnson-1978) 7.7761899

Assuming Lognormal Distribution

95% H-UCL 7.1170059

95% Chebyshev (MVUE) UCL 7.7991666
97.5% Chebyshev (MVUE) UCL 8.2989843
99% Chebyshev (MVUE) UCL 9.2807795

Gamma Distribution Test

k star (bias corrected) 1.682281
Theta Star 4.2154193
MLE of Mean 7.0915196
MLE of Standard Deviation 5.4675157
nu star 1372.7413
Approximate Chi Square Value (.05) 1287.7072
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 1287.4195

Anderson-Darling Test Statistic 29.305565
Anderson-Darling 5% Critical Value 0.7701525
Kolmogorov-Smirnov Test Statistic 0.3031258
Kolmogorov-Smirnov 5% Critical Value 0.0455325

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 7.5598098
95% Adjusted Gamma UCL 7.5614991

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 7.760269
95% Jackknife UCL 7.7617943
95% Standard Bootstrap UCL 7.7408516
95% Bootstrap-t UCL 7.9071723
95% Hall's Bootstrap UCL 7.912578
95% Percentile Bootstrap UCL 7.8122549
95% BCA Bootstrap UCL 7.9073039
95% Chebyshev(Mean, Sd) UCL 8.8637204
97.5% Chebyshev(Mean, Sd) UCL 9.6305531
99% Chebyshev(Mean, Sd) UCL 11.136847

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 8.8637204

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 408

Number of Distinct Observations 89

Raw Statistics

Minimum 1.1
Maximum 79.1
Mean 6.0934804
Median 5
SD 7.2897847
Std. Error of Mean 0.3608981
Coefficient of Variation 1.1963253
Skewness 6.0171675

Log-transformed Statistics

Minimum of Log Data 0.0953102
Maximum of Log Data 4.3707129
Mean of log Data 1.5613565
SD of log Data 0.5941479

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.4003047
Lilliefors Critical Value 0.0438635

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.308437
Lilliefors Critical Value 0.0438635

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 6.6884589

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 6.8019804
95% Modified-t UCL (Johnson-1978) 6.7063772

Assuming Lognormal Distribution

95% H-UCL 6.0003702

95% Chebyshev (MVUE) UCL 6.4711207
97.5% Chebyshev (MVUE) UCL 6.8124492
99% Chebyshev (MVUE) UCL 7.4829229

Gamma Distribution Test

k star (bias corrected) 2.1713093
Theta Star 2.8063622
MLE of Mean 6.0934804
MLE of Standard Deviation 4.1352766
nu star 1771.7884
Approximate Chi Square Value (.05) 1675.0238
Adjusted Level of Significance 0.0494118
Adjusted Chi Square Value 1674.6952

Anderson-Darling Test Statistic 42.991251
Anderson-Darling 5% Critical Value 0.7649757
Kolmogorov-Smirnov Test Statistic 0.3615611
Kolmogorov-Smirnov 5% Critical Value 0.0453248

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 6.4454953
95% Adjusted Gamma UCL 6.4467598

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 6.687105
95% Jackknife UCL 6.6884589
95% Standard Bootstrap UCL 6.6974409
95% Bootstrap-t UCL 6.828969
95% Hall's Bootstrap UCL 6.9003891
95% Percentile Bootstrap UCL 6.7148529
95% BCA Bootstrap UCL 6.8761275
95% Chebyshev(Mean, Sd) UCL 7.6665988
97.5% Chebyshev(Mean, Sd) UCL 8.3472884
99% Chebyshev(Mean, Sd) UCL 9.6843713

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 7.6665988

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

General Statistics

Number of Valid Observations 94

Number of Distinct Observations 88

Raw Statistics

Minimum 2.9
Maximum 435
Mean 56.37234
Median 33.75
SD 76.775251
Std. Error of Mean 7.9187625
Coefficient of Variation 1.3619312
Skewness 3.0426144

Log-transformed Statistics

Minimum of Log Data 1.0647107
Maximum of Log Data 6.075346
Mean of log Data 3.3468934
SD of log Data 1.2366906

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2430645
Lilliefors Critical Value 0.0913839

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0911079
Lilliefors Critical Value 0.0913839

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 69.528601

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 72.052889
95% Modified-t UCL (Johnson-1978) 69.94278

Assuming Lognormal Distribution

95% H-UCL 84.027704

95% Chebyshev (MVUE) UCL 103.11795
97.5% Chebyshev (MVUE) UCL 121.69159
99% Chebyshev (MVUE) UCL 158.17591

Gamma Distribution Test

k star (bias corrected) 0.8381256
Theta Star 67.260012
MLE of Mean 56.37234
MLE of Standard Deviation 61.576004
nu star 157.56762
Approximate Chi Square Value (.05) 129.54852
Adjusted Level of Significance 0.0474468
Adjusted Chi Square Value 129.15541

Anderson-Darling Test Statistic 1.2530102
Anderson-Darling 5% Critical Value 0.7892626
Kolmogorov-Smirnov Test Statistic 0.0935703
Kolmogorov-Smirnov 5% Critical Value 0.0955489

Data follow Appr. Gamma Distribution at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 68.564701
95% Adjusted Gamma UCL 68.773392

Data Distribution

Data Follow Appr. Gamma Distribution at 5% Significance Level

Nonparametric Statistics

95% CLT UCL 69.397546
95% Jackknife UCL 69.528601
95% Standard Bootstrap UCL 69.473329
95% Bootstrap-t UCL 73.761819
95% Hall's Bootstrap UCL 73.034466
95% Percentile Bootstrap UCL 70.053191
95% BCA Bootstrap UCL 72.758511
95% Chebyshev(Mean, Sd) UCL 90.889426
97.5% Chebyshev(Mean, Sd) UCL 105.825
99% Chebyshev(Mean, Sd) UCL 135.16303

Potential UCL to Use

Use 95% Approximate Gamma UCL 68.564701

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Wooded Parcel - Current

General Statistics

Number of Valid Observations 94

Number of Distinct Observations 24

Raw Statistics

Minimum 2.9
Maximum 79.1
Mean 9.3095745
Median 4
SD 13.116058
Std. Error of Mean 1.3528181
Coefficient of Variation 1.4088784
Skewness 3.6186184

Log-transformed Statistics

Minimum of Log Data 1.0647107
Maximum of Log Data 4.3707129
Mean of log Data 1.8024732
SD of log Data 0.7916931

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.36959
Lilliefors Critical Value 0.0913839

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2264919
Lilliefors Critical Value 0.0913839

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 11.557151

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 12.074271
95% Modified-t UCL (Johnson-1978) 11.641304

Assuming Lognormal Distribution

95% H-UCL 9.8317356

95% Chebyshev (MVUE) UCL 11.584595
97.5% Chebyshev (MVUE) UCL 13.022792
99% Chebyshev (MVUE) UCL 15.847851

Gamma Distribution Test

k star (bias corrected) 1.2735735
Theta Star 7.3098053
MLE of Mean 9.3095745
MLE of Standard Deviation 8.2493137
nu star 239.43182
Approximate Chi Square Value (.05) 204.60993
Adjusted Level of Significance 0.0474468
Adjusted Chi Square Value 204.11246

Anderson-Darling Test Statistic 9.8814194
Anderson-Darling 5% Critical Value 0.7754272
Kolmogorov-Smirnov Test Statistic 0.2522832
Kolmogorov-Smirnov 5% Critical Value 0.0944129

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 10.89394
95% Adjusted Gamma UCL 10.920491

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 11.534762
95% Jackknife UCL 11.557151
95% Standard Bootstrap UCL 11.5315
95% Bootstrap-t UCL 12.375437
95% Hall's Bootstrap UCL 12.182923
95% Percentile Bootstrap UCL 11.776596
95% BCA Bootstrap UCL 12.110638

95% Chebyshev(Mean, Sd) UCL 15.206372
97.5% Chebyshev(Mean, Sd) UCL 17.757921
99% Chebyshev(Mean, Sd) UCL 22.769945

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 15.206372

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

General Statistics

Number of Valid Observations 145

Number of Distinct Observations 136

Raw Statistics

Minimum 0.2
Maximum 366
Mean 43.922069
Median 31.3
SD 53.132577
Std. Error of Mean 4.4124204
Coefficient of Variation 1.2097011
Skewness 3.3005112

Log-transformed Statistics

Minimum of Log Data -1.609438
Maximum of Log Data 5.9026333
Mean of log Data 3.3031183
SD of log Data 1.0352828

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.252368
Lilliefors Critical Value 0.0735783

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0815281
Lilliefors Critical Value 0.0735783

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 51.226849

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 52.472128
95% Modified-t UCL (Johnson-1978) 51.428418

Assuming Lognormal Distribution

95% H-UCL 56.358415

95% Chebyshev (MVUE) UCL 67.348062
97.5% Chebyshev (MVUE) UCL 76.490324
99% Chebyshev (MVUE) UCL 94.448528

Gamma Distribution Test

k star (bias corrected) 1.1621528
Theta Star 37.793714
MLE of Mean 43.922069
MLE of Standard Deviation 40.742829
nu star 337.0243
Approximate Chi Square Value (.05) 295.48676
Adjusted Level of Significance 0.0483448
Adjusted Chi Square Value 295.10023

Anderson-Darling Test Statistic 2.5055638
Anderson-Darling 5% Critical Value 0.7786964
Kolmogorov-Smirnov Test Statistic 0.1228919
Kolmogorov-Smirnov 5% Critical Value 0.0798354

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 50.096338
95% Adjusted Gamma UCL 50.161956

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 51.179855
95% Jackknife UCL 51.226849
95% Standard Bootstrap UCL 51.112419
95% Bootstrap-t UCL 52.812075
95% Hall's Bootstrap UCL 53.173073
95% Percentile Bootstrap UCL 51.286207
95% BCA Bootstrap UCL 51.991724
95% Chebyshev(Mean, Sd) UCL 63.155363
97.5% Chebyshev(Mean, Sd) UCL 71.477625
99% Chebyshev(Mean, Sd) UCL 87.825097

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 63.155363

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 145

Number of Distinct Observations 83

Raw Statistics

Minimum 0.2
Maximum 75.5
Mean 18.136475
Median 9.1
SD 17.639393
Std. Error of Mean 1.4648718
Coefficient of Variation 0.9725921
Skewness 1.0729021

Log-transformed Statistics

Minimum of Log Data -1.609438
Maximum of Log Data 4.3241327
Mean of log Data 2.3506442
SD of log Data 1.1119124

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2348213
Lilliefors Critical Value 0.0735783

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.267104
Lilliefors Critical Value 0.0735783

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 20.561576

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 20.685437
95% Modified-t UCL (Johnson-1978) 20.58333

Assuming Lognormal Distribution

95% H-UCL 24.105307

95% Chebyshev (MVUE) UCL 29.055731
97.5% Chebyshev (MVUE) UCL 33.261186
99% Chebyshev (MVUE) UCL 41.521988

Gamma Distribution Test

k star (bias corrected) 1.0317844
Theta Star 17.577776
MLE of Mean 18.136475
MLE of Standard Deviation 17.85494
nu star 299.21748
Approximate Chi Square Value (.05) 260.14822
Adjusted Level of Significance 0.0483448
Adjusted Chi Square Value 259.78607

Anderson-Darling Test Statistic 8.9166798
Anderson-Darling 5% Critical Value 0.7821333
Kolmogorov-Smirnov Test Statistic 0.266968
Kolmogorov-Smirnov 5% Critical Value 0.0800644

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 20.860224
95% Adjusted Gamma UCL 20.889304

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 20.545975
95% Jackknife UCL 20.561576
95% Standard Bootstrap UCL 20.537688
95% Bootstrap-t UCL 20.703423
95% Hall's Bootstrap UCL 20.679675
95% Percentile Bootstrap UCL 20.581686
95% BCA Bootstrap UCL 20.5459
95% Chebyshev(Mean, Sd) UCL 24.521703
97.5% Chebyshev(Mean, Sd) UCL 27.284597
99% Chebyshev(Mean, Sd) UCL 32.711766

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 24.521703

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 145

Number of Distinct Observations 21

Raw Statistics

Minimum 2.9
Maximum 19.9
Mean 5.2764751
Median 5
SD 3.1100804
Std. Error of Mean 0.2582781
Coefficient of Variation 0.5894239
Skewness 3.1267262

Log-transformed Statistics

Minimum of Log Data 1.0647107
Maximum of Log Data 2.9907197
Mean of log Data 1.5687359
SD of log Data 0.3789714

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.4319696
Lilliefors Critical Value 0.0735783

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.353787
Lilliefors Critical Value 0.0735783

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 5.7040556

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 5.7729643
95% Modified-t UCL (Johnson-1978) 5.715233

Assuming Lognormal Distribution

95% H-UCL 5.453716

95% Chebyshev (MVUE) UCL 5.8859604
97.5% Chebyshev (MVUE) UCL 6.2021396
99% Chebyshev (MVUE) UCL 6.8232125

Gamma Distribution Test

k star (bias corrected) 5.3427729
Theta Star 0.9875911
MLE of Mean 5.2764751
MLE of Standard Deviation 2.2827615
nu star 1549.4041
Approximate Chi Square Value (.05) 1458.9912
Adjusted Level of Significance 0.0483448
Adjusted Chi Square Value 1458.1216

Anderson-Darling Test Statistic 21.040216
Anderson-Darling 5% Critical Value 0.7547988
Kolmogorov-Smirnov Test Statistic 0.3888021
Kolmogorov-Smirnov 5% Critical Value 0.0779613

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 5.6034555
95% Adjusted Gamma UCL 5.6067973

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 5.7013048
95% Jackknife UCL 5.7040556
95% Standard Bootstrap UCL 5.6896048
95% Bootstrap-t UCL 5.8174954
95% Hall's Bootstrap UCL 5.76155
95% Percentile Bootstrap UCL 5.714636
95% BCA Bootstrap UCL 5.831954
95% Chebyshev(Mean, Sd) UCL 6.4022833
97.5% Chebyshev(Mean, Sd) UCL 6.8894215
99% Chebyshev(Mean, Sd) UCL 7.84631

Potential UCL to Use

Use 95% Student's-t UCL 5.7040556
or 95% Modified-t UCL 5.715233

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 145

Number of Distinct Observations 55

Raw Statistics

Minimum 0.2
Maximum 34.3
Mean 9.5254406
Median 5
SD 9.2352902
Std. Error of Mean 0.7669491
Coefficient of Variation 0.9695394
Skewness 1.4702785

Log-transformed Statistics

Minimum of Log Data -1.609438
Maximum of Log Data 3.5351454
Mean of log Data 1.8842792
SD of log Data 0.8288449

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3500077
Lilliefors Critical Value 0.0735783

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2919716
Lilliefors Critical Value 0.0735783

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 10.795128

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 10.88702
95% Modified-t UCL (Johnson-1978) 10.810735

Assuming Lognormal Distribution

95% H-UCL 10.693802

95% Chebyshev (MVUE) UCL 12.434883
97.5% Chebyshev (MVUE) UCL 13.813038
99% Chebyshev (MVUE) UCL 16.520157

Gamma Distribution Test

k star (bias corrected) 1.4709684
Theta Star 6.4756257
MLE of Mean 9.5254406
MLE of Standard Deviation 7.8538646
nu star 426.58083
Approximate Chi Square Value (.05) 379.70001
Adjusted Level of Significance 0.0483448
Adjusted Chi Square Value 379.26069

Anderson-Darling Test Statistic 15.624534
Anderson-Darling 5% Critical Value 0.7705549
Kolmogorov-Smirnov Test Statistic 0.3268802
Kolmogorov-Smirnov 5% Critical Value 0.0792931

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 10.701528
95% Adjusted Gamma UCL 10.713924

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 10.78696
95% Jackknife UCL 10.795128
95% Standard Bootstrap UCL 10.773511
95% Bootstrap-t UCL 10.836302
95% Hall's Bootstrap UCL 10.907357
95% Percentile Bootstrap UCL 10.847586
95% BCA Bootstrap UCL 10.942146
95% Chebyshev(Mean, Sd) UCL 12.868494
97.5% Chebyshev(Mean, Sd) UCL 14.315036
99% Chebyshev(Mean, Sd) UCL 17.156488

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 12.868494

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 145

Number of Distinct Observations 40

Raw Statistics

Minimum 0.2
Maximum 29
Mean 7.0578544
Median 5
SD 6.2007544
Std. Error of Mean 0.5149446
Coefficient of Variation 0.8785608
Skewness 2.057044

Log-transformed Statistics

Minimum of Log Data -1.609438
Maximum of Log Data 3.3672958
Mean of log Data 1.7050267
SD of log Data 0.6626785

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.4024207
Lilliefors Critical Value 0.0735783

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3297607
Lilliefors Critical Value 0.0735783

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 7.9103474

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.998857
95% Modified-t UCL (Johnson-1978) 7.9250085

Assuming Lognormal Distribution

95% H-UCL 7.6236451

95% Chebyshev (MVUE) UCL 8.6404977
97.5% Chebyshev (MVUE) UCL 9.4196584
99% Chebyshev (MVUE) UCL 10.950169

Gamma Distribution Test

k star (bias corrected) 2.1189376
Theta Star 3.3308458
MLE of Mean 7.0578544
MLE of Standard Deviation 4.8485693
nu star 614.49191
Approximate Chi Square Value (.05) 557.98771
Adjusted Level of Significance 0.0483448
Adjusted Chi Square Value 557.45329

Anderson-Darling Test Statistic 19.098613
Anderson-Darling 5% Critical Value 0.7646521
Kolmogorov-Smirnov Test Statistic 0.3690004
Kolmogorov-Smirnov 5% Critical Value 0.0787881

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 7.7725627
95% Adjusted Gamma UCL 7.7800141

Potential UCL to Use

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 7.9048629
95% Jackknife UCL 7.9103474
95% Standard Bootstrap UCL 7.9294096
95% Bootstrap-t UCL 7.9902959
95% Hall's Bootstrap UCL 8.0488402
95% Percentile Bootstrap UCL 7.9498084
95% BCA Bootstrap UCL 8.0065134
95% Chebyshev(Mean, Sd) UCL 9.302446
97.5% Chebyshev(Mean, Sd) UCL 10.273683
99% Chebyshev(Mean, Sd) UCL 12.181489

Use 95% Chebyshev (Mean, Sd) UCL 9.302446

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Air Deposition Study Area - Shallow Subsurface, Pre-ICM

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 646

Raw Statistics

Minimum 1.6
Maximum 6710
Mean 32.454308
Median 21.6
SD 146.64179
Std. Error of Mean 3.1144036
Coefficient of Variation 4.5184075
Skewness 42.76155

Log-transformed Statistics

Minimum of Log Data 0.4700036
Maximum of Log Data 8.8113542
Mean of log Data 3.0304194
SD of log Data 0.8170783

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.4178216
Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0441118
Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 37.579186

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 40.599265
95% Modified-t UCL (Johnson-1978) 38.050591

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 31.428859
97.5% Chebyshev (MVUE) UCL 32.520778
99% Chebyshev (MVUE) UCL 34.66564

Gamma Distribution Test

k star (bias corrected) 1.2515911
Theta Star 25.930439
MLE of Mean 32.454308
MLE of Standard Deviation 29.009558
nu star 5549.5551
Approximate Chi Square Value (.05) 5377.4105
Adjusted Level of Significance 0.0498917
Adjusted Chi Square Value 5377.3021

Anderson-Darling Test Statistic 4.511E+27
Anderson-Darling 5% Critical Value 0.7788051
Kolmogorov-Smirnov Test Statistic 0.1255802
Kolmogorov-Smirnov 5% Critical Value 0.0206499

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 33.493253
95% Adjusted Gamma UCL 33.493928

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 37.577046
95% Jackknife UCL 37.579186
95% Standard Bootstrap UCL 37.725962
95% Bootstrap-t UCL 49.030919
95% Hall's Bootstrap UCL 57.681645
95% Percentile Bootstrap UCL 38.344272
95% BCA Bootstrap UCL 42.037776

95% Chebyshev(Mean, Sd) UCL 46.029678
97.5% Chebyshev(Mean, Sd) UCL 51.903752
99% Chebyshev(Mean, Sd) UCL 63.442232

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 46.029678

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 508

Raw Statistics

Minimum 1.6
Maximum 744
Mean 19.769198
Median 16.2
SD 27.430094
Std. Error of Mean 0.5825651
Coefficient of Variation 1.3875168
Skewness 12.250865

Log-transformed Statistics

Minimum of Log Data 0.4700036
Maximum of Log Data 6.612041
Mean of log Data 2.5118906
SD of log Data 1.0292519

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2564583
Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1066631
Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 20.727832

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 20.889392
95% Modified-t UCL (Johnson-1978) 20.753095

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 23.394421
97.5% Chebyshev (MVUE) UCL 24.460582
99% Chebyshev (MVUE) UCL 26.554849

Gamma Distribution Test

k star (bias corrected) 1.196672
Theta Star 16.520147
MLE of Mean 19.769198
MLE of Standard Deviation 18.071803
nu star 5306.0436
Approximate Chi Square Value (.05) 5137.7436
Adjusted Level of Significance 0.0498917
Adjusted Chi Square Value 5137.6377

Anderson-Darling Test Statistic 4.511E+27
Anderson-Darling 5% Critical Value 0.7803151
Kolmogorov-Smirnov Test Statistic 0.0711081
Kolmogorov-Smirnov 5% Critical Value 0.0206755

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 20.416788
95% Adjusted Gamma UCL 20.417209

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 20.727432
95% Jackknife UCL 20.727832
95% Standard Bootstrap UCL 20.733954
95% Bootstrap-t UCL 20.881069
95% Hall's Bootstrap UCL 21.065482
95% Percentile Bootstrap UCL 20.791452
95% BCA Bootstrap UCL 20.979854

95% Chebyshev(Mean, Sd) UCL 22.30854
97.5% Chebyshev(Mean, Sd) UCL 23.407315
99% Chebyshev(Mean, Sd) UCL 25.565647

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 22.30854

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 232

Raw Statistics

Minimum 1.6
Maximum 89.7
Mean 7.5437603
Median 5
SD 5.9121133
Std. Error of Mean 0.1255625
Coefficient of Variation 0.7837091
Skewness 2.7737916

Log-transformed Statistics

Minimum of Log Data 0.4700036
Maximum of Log Data 4.4964708
Mean of log Data 1.78662
SD of log Data 0.6667171

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2957263
Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.234014
Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 7.7503785

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.758196
95% Modified-t UCL (Johnson-1978) 7.7516114

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 7.9624405
97.5% Chebyshev (MVUE) UCL 8.1824351
99% Chebyshev (MVUE) UCL 8.6145719

Gamma Distribution Test

k star (bias corrected) 2.2858342
Theta Star 3.3002221
MLE of Mean 7.5437603
MLE of Standard Deviation 4.9895976
nu star 10135.389
Approximate Chi Square Value (.05) 9902.3444
Adjusted Level of Significance 0.0498917
Adjusted Chi Square Value 9902.1971

Anderson-Darling Test Statistic 106.28227
Anderson-Darling 5% Critical Value 0.7649726
Kolmogorov-Smirnov Test Statistic 0.2674351
Kolmogorov-Smirnov 5% Critical Value 0.0203832

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 7.7212971
95% Adjusted Gamma UCL 7.7214119

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 7.7502922
95% Jackknife UCL 7.7503785
95% Standard Bootstrap UCL 7.7509461
95% Bootstrap-t UCL 7.7499108
95% Hall's Bootstrap UCL 7.753485
95% Percentile Bootstrap UCL 7.746601
95% BCA Bootstrap UCL 7.7553416
95% Chebyshev(Mean, Sd) UCL 8.0910745
97.5% Chebyshev(Mean, Sd) UCL 8.3278978
99% Chebyshev(Mean, Sd) UCL 8.7930913

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 8.0910745

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 392

Raw Statistics

Minimum 1.6
 Maximum 89.7
 Mean 14.5701
 Median 12.2
 SD 11.144995
 Std. Error of Mean 0.2366993
 Coefficient of Variation 0.7649224
 Skewness 0.8581788

Log-transformed Statistics

Minimum of Log Data 0.4700036
 Maximum of Log Data 4.4964708
 Mean of log Data 2.308583
 SD of log Data 0.93859

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1266023
 Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1100103
 Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 14.959598

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 14.964045
 95% Modified-t UCL (Johnson-1978) 14.960317

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 17.251326
 97.5% Chebyshev (MVUE) UCL 17.955712
 99% Chebyshev (MVUE) UCL 19.339342

Gamma Distribution Test

k star (bias corrected) 1.493027
 Theta Star 9.7587654
 MLE of Mean 14.5701
 MLE of Standard Deviation 11.924185
 nu star 6620.0815
 Approximate Chi Square Value (.05) 6431.9588
 Adjusted Level of Significance 0.0498917
 Adjusted Chi Square Value 6431.8402
 Anderson-Darling Test Statistic 31.738392
 Anderson-Darling 5% Critical Value 0.7721668
 Kolmogorov-Smirnov Test Statistic 0.1064478
 Kolmogorov-Smirnov 5% Critical Value 0.0205374

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 14.996248
 95% Adjusted Gamma UCL 14.996524

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 14.959435
 95% Jackknife UCL 14.959598
 95% Standard Bootstrap UCL 14.944272
 95% Bootstrap-t UCL 14.949085
 95% Hall's Bootstrap UCL 14.963933
 95% Percentile Bootstrap UCL 14.970972
 95% BCA Bootstrap UCL 14.942306
 95% Chebyshev(Mean, Sd) UCL 15.601848
 97.5% Chebyshev(Mean, Sd) UCL 16.048287
 99% Chebyshev(Mean, Sd) UCL 16.925228

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 15.601848****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 456

Raw Statistics

Minimum 1.6
Maximum 89.7
Mean 16.722287
Median 14.7
SD 12.774395
Std. Error of Mean 0.2713048
Coefficient of Variation 0.7639143
Skewness 0.8278077

Log-transformed Statistics

Minimum of Log Data 0.4700036
Maximum of Log Data 4.4964708
Mean of log Data 2.4299246
SD of log Data 0.9780863

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1218737
Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1148753
Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 17.168731

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 17.173641
95% Modified-t UCL (Johnson-1978) 17.169526

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 20.333736
97.5% Chebyshev (MVUE) UCL 21.205565
99% Chebyshev (MVUE) UCL 22.918105

Gamma Distribution Test

k star (bias corrected) 1.4348409
Theta Star 11.654454
MLE of Mean 16.722287
MLE of Standard Deviation 13.96027
nu star 6362.0846
Approximate Chi Square Value (.05) 6177.6867
Adjusted Level of Significance 0.0498917
Adjusted Chi Square Value 6177.5705

Anderson-Darling Test Statistic 26.735811
Anderson-Darling 5% Critical Value 0.7737667
Kolmogorov-Smirnov Test Statistic 0.0810128
Kolmogorov-Smirnov 5% Critical Value 0.0205645

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 17.221431
95% Adjusted Gamma UCL 17.221755

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 17.168544
95% Jackknife UCL 17.168731
95% Standard Bootstrap UCL 17.161575
95% Bootstrap-t UCL 17.175839
95% Hall's Bootstrap UCL 17.168364
95% Percentile Bootstrap UCL 17.16328
95% BCA Bootstrap UCL 17.180303

95% Chebyshev(Mean, Sd) UCL 17.904878
97.5% Chebyshev(Mean, Sd) UCL 18.416585
99% Chebyshev(Mean, Sd) UCL 19.421736

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 17.904878

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 479

Raw Statistics

Minimum 1.6
 Maximum 89.7
 Mean 17.519446
 Median 15.5
 SD 13.784797
 Std. Error of Mean 0.2927639
 Coefficient of Variation 0.7868284
 Skewness 1.0455805

Log-transformed Statistics

Minimum of Log Data 0.4700036
 Maximum of Log Data 4.4964708
 Mean of log Data 2.4654965
 SD of log Data 0.9927047

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1275285
 Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1138176
 Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 18.001201

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 18.007946
 95% Modified-t UCL (Johnson-1978) 18.002284

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 21.417536
 97.5% Chebyshev (MVUE) UCL 22.352222
 99% Chebyshev (MVUE) UCL 24.188231

Gamma Distribution Test

k star (bias corrected) 1.3985404
 Theta Star 12.52695
 MLE of Mean 17.519446
 MLE of Standard Deviation 14.814358
 nu star 6201.1283
 Approximate Chi Square Value (.05) 6019.0925
 Adjusted Level of Significance 0.0498917
 Adjusted Chi Square Value 6018.9779
 Anderson-Darling Test Statistic 23.61518
 Anderson-Darling 5% Critical Value 0.7747647
 Kolmogorov-Smirnov Test Statistic 0.0828336
 Kolmogorov-Smirnov 5% Critical Value 0.0205814

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 18.049287
 95% Adjusted Gamma UCL 18.049631

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 18.000999
 95% Jackknife UCL 18.001201
 95% Standard Bootstrap UCL 18.002904
 95% Bootstrap-t UCL 18.015057
 95% Hall's Bootstrap UCL 17.983246
 95% Percentile Bootstrap UCL 18.004836
 95% BCA Bootstrap UCL 18.031787
 95% Chebyshev(Mean, Sd) UCL 18.795574
 97.5% Chebyshev(Mean, Sd) UCL 19.347756
 99% Chebyshev(Mean, Sd) UCL 20.43241

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 18.795574****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Air Deposition Study Area - Shallow Subsurface, CMA 6A

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 362

Raw Statistics

Minimum 1.6

Maximum 89.7

Mean 13.30835

Median 10.5

SD 10.182399

Std. Error of Mean 0.2162556

Coefficient of Variation 0.7651136

Skewness 0.8481101

Log-transformed Statistics

Minimum of Log Data 0.4700036

Maximum of Log Data 4.4964708

Mean of log Data 2.2308396

SD of log Data 0.9094978

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1455087

Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1059287

Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 13.664207

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 13.668221

95% Modified-t UCL (Johnson-1978) 13.664856

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 15.479267

97.5% Chebyshev (MVUE) UCL 16.088301

99% Chebyshev (MVUE) UCL 17.28463

Gamma Distribution Test

k star (bias corrected) 1.5421556

Theta Star 8.6297064

MLE of Mean 13.30835

MLE of Standard Deviation 10.716676

nu star 6837.9177

Approximate Chi Square Value (.05) 6646.7061

Adjusted Level of Significance 0.0498917

Adjusted Chi Square Value 6646.5856

Anderson-Darling Test Statistic 36.541239

Anderson-Darling 5% Critical Value 0.7715698

Kolmogorov-Smirnov Test Statistic 0.1290273

Kolmogorov-Smirnov 5% Critical Value 0.0205241

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 13.691203

95% Adjusted Gamma UCL 13.691451

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 13.664058

95% Jackknife UCL 13.664207

95% Standard Bootstrap UCL 13.667531

95% Bootstrap-t UCL 13.672155

95% Hall's Bootstrap UCL 13.675408

95% Percentile Bootstrap UCL 13.686022

95% BCA Bootstrap UCL 13.65712

95% Chebyshev(Mean, Sd) UCL 14.250986

97.5% Chebyshev(Mean, Sd) UCL 14.658865

99% Chebyshev(Mean, Sd) UCL 15.460065

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 14.250986

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Air Deposition Study Area - Shallow Subsurface, CMA 6B

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 362

Raw Statistics

Minimum 1.6

Maximum 89.7

Mean 13.30835

Median 10.5

SD 10.182399

Std. Error of Mean 0.2162556

Coefficient of Variation 0.7651136

Skewness 0.8481101

Log-transformed Statistics

Minimum of Log Data 0.4700036

Maximum of Log Data 4.4964708

Mean of log Data 2.2308396

SD of log Data 0.9094978

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1455087

Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1059287

Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 13.664207

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 13.668221

95% Modified-t UCL (Johnson-1978) 13.664856

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 15.479267

97.5% Chebyshev (MVUE) UCL 16.088301

99% Chebyshev (MVUE) UCL 17.28463

Gamma Distribution Test

k star (bias corrected) 1.5421556

Theta Star 8.6297064

MLE of Mean 13.30835

MLE of Standard Deviation 10.716676

nu star 6837.9177

Approximate Chi Square Value (.05) 6646.7061

Adjusted Level of Significance 0.0498917

Adjusted Chi Square Value 6646.5856

Anderson-Darling Test Statistic 36.541239

Anderson-Darling 5% Critical Value 0.7715698

Kolmogorov-Smirnov Test Statistic 0.1290273

Kolmogorov-Smirnov 5% Critical Value 0.0205241

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 13.691203

95% Adjusted Gamma UCL 13.691451

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 13.664058

95% Jackknife UCL 13.664207

95% Standard Bootstrap UCL 13.661833

95% Bootstrap-t UCL 13.676805

95% Hall's Bootstrap UCL 13.68711

95% Percentile Bootstrap UCL 13.673372

95% BCA Bootstrap UCL 13.680906

95% Chebyshev(Mean, Sd) UCL 14.250986

97.5% Chebyshev(Mean, Sd) UCL 14.658865

99% Chebyshev(Mean, Sd) UCL 15.460065

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 14.250986

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Air Deposition Study Area - Shallow Subsurface, CMA 7A

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 330

Raw Statistics

Minimum 1.6
Maximum 89.7
Mean 11.869243
Median 8.5
SD 9.3258323
Std. Error of Mean 0.1980636
Coefficient of Variation 0.7857142
Skewness 1.0996605

Log-transformed Statistics

Minimum of Log Data 0.4700036
Maximum of Log Data 4.4964708
Mean of log Data 2.1309591
SD of log Data 0.8705198

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.176619
Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1327513
Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 12.195165

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 12.199971
95% Modified-t UCL (Johnson-1978) 12.195936

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 13.463477
97.5% Chebyshev (MVUE) UCL 13.966773
99% Chebyshev (MVUE) UCL 14.9554

Gamma Distribution Test

k star (bias corrected) 1.602275
Theta Star 7.4077436
MLE of Mean 11.869243
MLE of Standard Deviation 9.3767962
nu star 7104.4875
Approximate Chi Square Value (.05) 6909.5623
Adjusted Level of Significance 0.0498917
Adjusted Chi Square Value 6909.4393

Anderson-Darling Test Statistic 42.642524
Anderson-Darling 5% Critical Value 0.7709494
Kolmogorov-Smirnov Test Statistic 0.1582822
Kolmogorov-Smirnov 5% Critical Value 0.0205092

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 12.204085
95% Adjusted Gamma UCL 12.204302

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 12.195028
95% Jackknife UCL 12.195165
95% Standard Bootstrap UCL 12.197368
95% Bootstrap-t UCL 12.193087
95% Hall's Bootstrap UCL 12.193259
95% Percentile Bootstrap UCL 12.195725
95% BCA Bootstrap UCL 12.21397
95% Chebyshev(Mean, Sd) UCL 12.732582
97.5% Chebyshev(Mean, Sd) UCL 13.10615
99% Chebyshev(Mean, Sd) UCL 13.839951

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 12.732582

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Air Deposition Study Area - Shallow Subsurface, CMA 7B

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 330

Raw Statistics

Minimum 1.6

Maximum 89.7

Mean 11.869243

Median 8.5

SD 9.3258323

Std. Error of Mean 0.1980636

Coefficient of Variation 0.7857142

Skewness 1.0996605

Log-transformed Statistics

Minimum of Log Data 0.4700036

Maximum of Log Data 4.4964708

Mean of log Data 2.1309591

SD of log Data 0.8705198

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.176619

Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1327513

Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 12.195165

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 12.199971

95% Modified-t UCL (Johnson-1978) 12.195936

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 13.463477

97.5% Chebyshev (MVUE) UCL 13.966773

99% Chebyshev (MVUE) UCL 14.9554

Gamma Distribution Test

k star (bias corrected) 1.602275

Theta Star 7.4077436

MLE of Mean 11.869243

MLE of Standard Deviation 9.3767962

nu star 7104.4875

Approximate Chi Square Value (.05) 6909.5623

Adjusted Level of Significance 0.0498917

Adjusted Chi Square Value 6909.4393

Anderson-Darling Test Statistic 42.642524

Anderson-Darling 5% Critical Value 0.7709494

Kolmogorov-Smirnov Test Statistic 0.1582822

Kolmogorov-Smirnov 5% Critical Value 0.0205092

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 12.204085

95% Adjusted Gamma UCL 12.204302

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 12.195028

95% Jackknife UCL 12.195165

95% Standard Bootstrap UCL 12.197381

95% Bootstrap-t UCL 12.19995

95% Hall's Bootstrap UCL 12.202885

95% Percentile Bootstrap UCL 12.190738

95% BCA Bootstrap UCL 12.182798

95% Chebyshev(Mean, Sd) UCL 12.732582

97.5% Chebyshev(Mean, Sd) UCL 13.10615

99% Chebyshev(Mean, Sd) UCL 13.839951

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 12.732582

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General Statistics

Number of Valid Observations 2217

Number of Distinct Observations 289

Raw Statistics

Minimum 1.6
 Maximum 89.7
 Mean 11.127159
 Median 7.5
 SD 8.5640642
 Std. Error of Mean 0.1818851
 Coefficient of Variation 0.7696542
 Skewness 1.0722303

Log-transformed Statistics

Minimum of Log Data 0.4700036
 Maximum of Log Data 4.4964708
 Mean of log Data 2.0832416
 SD of log Data 0.8440587

Relevant UCL Statistics**Normal Distribution Test**

Lilliefors Test Statistic 0.1949499
 Lilliefors Critical Value 0.018817

Data not Normal at 5% Significance Level**Lognormal Distribution Test**

Lilliefors Test Statistic 0.1448325
 Lilliefors Critical Value 0.018817

Data not Lognormal at 5% Significance Level**Assuming Normal Distribution**

95% Student's-t UCL 11.426458

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 11.430759
 95% Modified-t UCL (Johnson-1978) 11.427148

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 12.506851
 97.5% Chebyshev (MVUE) UCL 12.957946
 99% Chebyshev (MVUE) UCL 13.844034

Gamma Distribution Test

k star (bias corrected) 1.678433
 Theta Star 6.6294925
 MLE of Mean 11.127159
 MLE of Standard Deviation 8.5887959
 nu star 7442.1718
 Approximate Chi Square Value (.05) 7242.6408
 Adjusted Level of Significance 0.0498917
 Adjusted Chi Square Value 7242.515
 Anderson-Darling Test Statistic 50.11583
 Anderson-Darling 5% Critical Value 0.7701636
 Kolmogorov-Smirnov Test Statistic 0.17188
 Kolmogorov-Smirnov 5% Critical Value 0.0204903

Data not Gamma Distributed at 5% Significance Level**Assuming Gamma Distribution**

95% Approximate Gamma UCL 11.433706
 95% Adjusted Gamma UCL 11.433905

Data Distribution**Data do not follow a Discernible Distribution (0.05)****Nonparametric Statistics**

95% CLT UCL 11.426333
 95% Jackknife UCL 11.426458
 95% Standard Bootstrap UCL 11.424813
 95% Bootstrap-t UCL 11.439835
 95% Hall's Bootstrap UCL 11.437668
 95% Percentile Bootstrap UCL 11.420655
 95% BCA Bootstrap UCL 11.427015
 95% Chebyshev(Mean, Sd) UCL 11.919977
 97.5% Chebyshev(Mean, Sd) UCL 12.263031
 99% Chebyshev(Mean, Sd) UCL 12.936892

Potential UCL to Use**Use 95% Chebyshev (Mean, Sd) UCL 11.919977****Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.1 (USEPA 2010)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Culvert 105 Study Area North of the Canal - Shallow Subsurface, Pre-ICM

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 369

Raw Statistics

Minimum 0.11

Maximum 636

Mean 45.351628

Median 17.5

SD 74.194322

Std. Error of Mean 3.1380855

Coefficient of Variation 1.6359793

Skewness 3.518569

Log-transformed Statistics

Minimum of Log Data -2.207275

Maximum of Log Data 6.4551986

Mean of log Data 2.990791

SD of log Data 1.2503986

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2741703

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.055418

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 50.521902

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 51.012325

95% Modified-t UCL (Johnson-1978) 50.599737

Assuming Lognormal Distribution

95% H-UCL 49.193177

95% Chebyshev (MVUE) UCL 56.647021

97.5% Chebyshev (MVUE) UCL 62.386563

99% Chebyshev (MVUE) UCL 73.660782

Gamma Distribution Test

k star (bias corrected) 0.7268255

Theta Star 62.396861

MLE of Mean 45.351628

MLE of Standard Deviation 53.195857

nu star 812.59088

Approximate Chi Square Value (.05) 747.43734

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 747.2781

Anderson-Darling Test Statistic 19.474638

Anderson-Darling 5% Critical Value 0.7991371

Kolmogorov-Smirnov Test Statistic 0.1252762

Kolmogorov-Smirnov 5% Critical Value 0.0406977

Data not Gamma Distributed at 5% Significance Level

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 50.513319

95% Jackknife UCL 50.521902

95% Standard Bootstrap UCL 50.461409

95% Bootstrap-t UCL 50.959841

95% Hall's Bootstrap UCL 51.141657

95% Percentile Bootstrap UCL 50.818193

95% BCA Bootstrap UCL 51.496995

95% Chebyshev(Mean, Sd) UCL 59.030225

97.5% Chebyshev(Mean, Sd) UCL 64.948965

99% Chebyshev(Mean, Sd) UCL 76.575184

Assuming Gamma Distribution

95% Approximate Gamma UCL 49.304894

95% Adjusted Gamma UCL 49.315401

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 59.030225

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 1

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 337

Raw Statistics

Minimum 0.11

Maximum 636

Mean 41.243077

Median 13.2

SD 73.821438

Std. Error of Mean 3.1223142

Coefficient of Variation 1.789911

Skewness 3.6707944

Log-transformed Statistics

Minimum of Log Data -2.207275

Maximum of Log Data 6.4551986

Mean of log Data 2.7610095

SD of log Data 1.3376799

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2922273

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0790744

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 46.387366

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 46.896805

95% Modified-t UCL (Johnson-1978) 46.468161

Assuming Lognormal Distribution

95% H-UCL 44.346837

95% Chebyshev (MVUE) UCL 51.57735

97.5% Chebyshev (MVUE) UCL 57.20214

99% Chebyshev (MVUE) UCL 68.250951

Gamma Distribution Test

k star (bias corrected) 0.6365423

Theta Star 64.792356

MLE of Mean 41.243077

MLE of Standard Deviation 51.693676

nu star 711.65432

Approximate Chi Square Value (.05) 650.75698

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 650.60854

Anderson-Darling Test Statistic 23.381756

Anderson-Darling 5% Critical Value 0.8083955

Kolmogorov-Smirnov Test Statistic 0.1388107

Kolmogorov-Smirnov 5% Critical Value 0.0409546

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 45.102573

95% Adjusted Gamma UCL 45.112863

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 46.378827

95% Jackknife UCL 46.387366

95% Standard Bootstrap UCL 46.399857

95% Bootstrap-t UCL 46.800537

95% Hall's Bootstrap UCL 46.79954

95% Percentile Bootstrap UCL 46.61975

95% BCA Bootstrap UCL 47.163596

95% Chebyshev(Mean, Sd) UCL 54.852929

97.5% Chebyshev(Mean, Sd) UCL 60.741923

99% Chebyshev(Mean, Sd) UCL 72.309711

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 54.852929

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 2

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 100

Raw Statistics

Minimum 1.2

Maximum 19.9

Mean 5.8534347

Median 5

SD 3.0519433

Std. Error of Mean 0.1290834

Coefficient of Variation 0.5213936

Skewness 2.3496067

Log-transformed Statistics

Minimum of Log Data 0.1823216

Maximum of Log Data 2.9907197

Mean of log Data 1.6724363

SD of log Data 0.4073382

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.3560968

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.3074297

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 6.0661111

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 6.079465

95% Modified-t UCL (Johnson-1978) 6.0682491

Assuming Lognormal Distribution

95% H-UCL 5.9627795

95% Chebyshev (MVUE) UCL 6.2366387

97.5% Chebyshev (MVUE) UCL 6.4321396

99% Chebyshev (MVUE) UCL 6.8161631

Gamma Distribution Test

k star (bias corrected) 5.4189974

Theta Star 1.0801693

MLE of Mean 5.8534347

MLE of Standard Deviation 2.5144981

nu star 6058.4391

Approximate Chi Square Value (.05) 5878.5232

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 5878.0725

Anderson-Darling Test Statistic 52.193977

Anderson-Darling 5% Critical Value 0.7561123

Kolmogorov-Smirnov Test Statistic 0.3303945

Kolmogorov-Smirnov 5% Critical Value 0.0391904

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 6.0325828

95% Adjusted Gamma UCL 6.0330453

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 6.0657581

95% Jackknife UCL 6.0661111

95% Standard Bootstrap UCL 6.0670435

95% Bootstrap-t UCL 6.070857

95% Hall's Bootstrap UCL 6.082478

95% Percentile Bootstrap UCL 6.0820751

95% BCA Bootstrap UCL 6.0850984

95% Chebyshev(Mean, Sd) UCL 6.4160964

97.5% Chebyshev(Mean, Sd) UCL 6.6595606

99% Chebyshev(Mean, Sd) UCL 7.1377988

Potential UCL to Use

Use 95% Student's-t UCL 6.0661111

or 95% Modified-t UCL 6.0682491

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 3

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 186

Raw Statistics

Minimum 1.2

Maximum 74.9

Mean 9.207102

Median 5

SD 8.8449967

Std. Error of Mean 0.3741035

Coefficient of Variation 0.9606711

Skewness 2.6156525

Log-transformed Statistics

Minimum of Log Data 0.1823216

Maximum of Log Data 4.3161539

Mean of log Data 1.9277731

SD of log Data 0.7013096

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2552832

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2421392

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 9.8234707

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 9.8666703

95% Modified-t UCL (Johnson-1978) 9.8303685

Assuming Lognormal Distribution

95% H-UCL 9.3012056

95% Chebyshev (MVUE) UCL 10.051489

97.5% Chebyshev (MVUE) UCL 10.599129

99% Chebyshev (MVUE) UCL 11.674862

Gamma Distribution Test

k star (bias corrected) 1.8516942

Theta Star 4.9722583

MLE of Mean 9.207102

MLE of Standard Deviation 6.7660985

nu star 2070.1941

Approximate Chi Square Value (.05) 1965.5038

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 1965.2442

Anderson-Darling Test Statistic 38.29717

Anderson-Darling 5% Critical Value 0.768517

Kolmogorov-Smirnov Test Statistic 0.2582981

Kolmogorov-Smirnov 5% Critical Value 0.039641

Data not Gamma Distributed at 5% Significance Level

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 9.8224475

95% Jackknife UCL 9.8234707

95% Standard Bootstrap UCL 9.8143747

95% Bootstrap-t UCL 9.8793576

95% Hall's Bootstrap UCL 9.8705296

95% Percentile Bootstrap UCL 9.8518962

95% BCA Bootstrap UCL 9.8838819

95% Chebyshev(Mean, Sd) UCL 10.837781

97.5% Chebyshev(Mean, Sd) UCL 11.543378

99% Chebyshev(Mean, Sd) UCL 12.929385

Assuming Gamma Distribution

95% Approximate Gamma UCL 9.6975078

95% Adjusted Gamma UCL 9.6987889

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 10.837781

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 4

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 230

Raw Statistics

Minimum 0.11

Maximum 59.8

Mean 12.438962

Median 5.9

SD 12.754429

Std. Error of Mean 0.5394548

Coefficient of Variation 1.0253611

Skewness 1.7662912

Log-transformed Statistics

Minimum of Log Data -2.207275

Maximum of Log Data 4.0910057

Mean of log Data 2.1128742

SD of log Data 0.870947

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.23001

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1799176

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 13.327762

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 13.369348

95% Modified-t UCL (Johnson-1978) 13.334479

Assuming Lognormal Distribution

95% H-UCL 13.020636

95% Chebyshev (MVUE) UCL 14.346547

97.5% Chebyshev (MVUE) UCL 15.329043

99% Chebyshev (MVUE) UCL 17.258965

Gamma Distribution Test

k star (bias corrected) 1.362164

Theta Star 9.1317655

MLE of Mean 12.438962

MLE of Standard Deviation 10.657846

nu star 1522.8994

Approximate Chi Square Value (.05) 1433.2731

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 1433.0517

Anderson-Darling Test Statistic 28.152317

Anderson-Darling 5% Critical Value 0.7754277

Kolmogorov-Smirnov Test Statistic 0.1947048

Kolmogorov-Smirnov 5% Critical Value 0.0399099

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 13.216803

95% Adjusted Gamma UCL 13.218844

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 13.326287

95% Jackknife UCL 13.327762

95% Standard Bootstrap UCL 13.321866

95% Bootstrap-t UCL 13.381767

95% Hall's Bootstrap UCL 13.387872

95% Percentile Bootstrap UCL 13.332522

95% BCA Bootstrap UCL 13.421002

95% Chebyshev(Mean, Sd) UCL 14.790392

97.5% Chebyshev(Mean, Sd) UCL 15.807857

99% Chebyshev(Mean, Sd) UCL 17.80647

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 14.790392

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 5

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 251

Raw Statistics

Minimum 0.11

Maximum 78.9

Mean 14.631091

Median 7

SD 16.036341

Std. Error of Mean 0.6782649

Coefficient of Variation 1.0960454

Skewness 1.9117193

Log-transformed Statistics

Minimum of Log Data -2.207275

Maximum of Log Data 4.3681812

Mean of log Data 2.2119876

SD of log Data 0.943443

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2157377

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1517194

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 15.748593

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 15.805338

95% Modified-t UCL (Johnson-1978) 15.757733

Assuming Lognormal Distribution

95% H-UCL 15.483332

95% Chebyshev (MVUE) UCL 17.204152

97.5% Chebyshev (MVUE) UCL 18.487807

99% Chebyshev (MVUE) UCL 21.009298

Gamma Distribution Test

k star (bias corrected) 1.1952117

Theta Star 12.241422

MLE of Mean 14.631091

MLE of Standard Deviation 13.383025

nu star 1336.2467

Approximate Chi Square Value (.05) 1252.3662

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 1252.1594

Anderson-Darling Test Statistic 24.217786

Anderson-Darling 5% Critical Value 0.7798069

Kolmogorov-Smirnov Test Statistic 0.1640326

Kolmogorov-Smirnov 5% Critical Value 0.0400592

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 15.611047

95% Adjusted Gamma UCL 15.613625

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 15.746738

95% Jackknife UCL 15.748593

95% Standard Bootstrap UCL 15.758655

95% Bootstrap-t UCL 15.827207

95% Hall's Bootstrap UCL 15.809537

95% Percentile Bootstrap UCL 15.801109

95% BCA Bootstrap UCL 15.825152

95% Chebyshev(Mean, Sd) UCL 17.58758

97.5% Chebyshev(Mean, Sd) UCL 18.866854

99% Chebyshev(Mean, Sd) UCL 21.379742

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 17.58758

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 6A/B

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 176

Raw Statistics

Minimum 1.2

Maximum 74.9

Mean 8.6391234

Median 5

SD 8.0350018

Std. Error of Mean 0.3398444

Coefficient of Variation 0.9300714

Skewness 2.9305159

Log-transformed Statistics

Minimum of Log Data 0.1823216

Maximum of Log Data 4.3161539

Mean of log Data 1.8912803

SD of log Data 0.6656845

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2614549

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2507557

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 9.1990472

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 9.2431266

95% Modified-t UCL (Johnson-1978) 9.2060677

Assuming Lognormal Distribution

95% H-UCL 8.7218868

95% Chebyshev (MVUE) UCL 9.3873798

97.5% Chebyshev (MVUE) UCL 9.8718366

99% Chebyshev (MVUE) UCL 10.823458

Gamma Distribution Test

k star (bias corrected) 2.0278525

Theta Star 4.2602326

MLE of Mean 8.6391234

MLE of Standard Deviation 6.0666857

nu star 2267.1391

Approximate Chi Square Value (.05) 2157.5281

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 2157.256

Anderson-Darling Test Statistic 39.527969

Anderson-Darling 5% Critical Value 0.7669539

Kolmogorov-Smirnov Test Statistic 0.2679869

Kolmogorov-Smirnov 5% Critical Value 0.0395739

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 9.0780251

95% Adjusted Gamma UCL 9.0791702

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 9.1981177

95% Jackknife UCL 9.1990472

95% Standard Bootstrap UCL 9.2058218

95% Bootstrap-t UCL 9.2147916

95% Hall's Bootstrap UCL 9.2489218

95% Percentile Bootstrap UCL 9.2321288

95% BCA Bootstrap UCL 9.2699821

95% Chebyshev(Mean, Sd) UCL 10.120471

97.5% Chebyshev(Mean, Sd) UCL 10.761451

99% Chebyshev(Mean, Sd) UCL 12.020532

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 10.120471

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 7A/B

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 164

Raw Statistics

Minimum 1.2

Maximum 74.9

Mean 7.9507513

Median 5

SD 7.1402544

Std. Error of Mean 0.3020006

Coefficient of Variation 0.8980603

Skewness 3.6099199

Log-transformed Statistics

Minimum of Log Data 0.1823216

Maximum of Log Data 4.3161539

Mean of log Data 1.8433417

SD of log Data 0.6158055

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2720972

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2597724

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.4483241

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 8.4967678

95% Modified-t UCL (Johnson-1978) 8.4560092

Assuming Lognormal Distribution

95% H-UCL 8.0142546

95% Chebyshev (MVUE) UCL 8.5774084

97.5% Chebyshev (MVUE) UCL 8.9858371

99% Chebyshev (MVUE) UCL 9.7881163

Gamma Distribution Test

k star (bias corrected) 2.3163744

Theta Star 3.4324121

MLE of Mean 7.9507513

MLE of Standard Deviation 5.2240075

nu star 2589.7066

Approximate Chi Square Value (.05) 2472.4774

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 2472.1859

Anderson-Darling Test Statistic 40.519

Anderson-Darling 5% Critical Value 0.7652707

Kolmogorov-Smirnov Test Statistic 0.2780197

Kolmogorov-Smirnov 5% Critical Value 0.0395092

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.3277255

95% Adjusted Gamma UCL 8.3287073

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.4474981

95% Jackknife UCL 8.4483241

95% Standard Bootstrap UCL 8.4501203

95% Bootstrap-t UCL 8.494171

95% Hall's Bootstrap UCL 8.4819225

95% Percentile Bootstrap UCL 8.4718068

95% BCA Bootstrap UCL 8.5189267

95% Chebyshev(Mean, Sd) UCL 9.2671414

97.5% Chebyshev(Mean, Sd) UCL 9.8367444

99% Chebyshev(Mean, Sd) UCL 10.955619

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 9.2671414

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

Culvert 105 Study Area North of the Canal - Shallow Subsurface, CMA 8

General Statistics

Number of Valid Observations 559

Number of Distinct Observations 159

Raw Statistics

Minimum 1.2

Maximum 29.6

Mean 7.5364401

Median 5

SD 5.6624585

Std. Error of Mean 0.2394965

Coefficient of Variation 0.7513439

Skewness 1.9685785

Log-transformed Statistics

Minimum of Log Data 0.1823216

Maximum of Log Data 3.3877744

Mean of log Data 1.822908

SD of log Data 0.5837715

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.293653

Lilliefors Critical Value 0.0374738

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.2634472

Lilliefors Critical Value 0.0374738

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 7.9310318

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 7.9516839

95% Modified-t UCL (Johnson-1978) 7.9343553

Assuming Lognormal Distribution

95% H-UCL 7.6800309

95% Chebyshev (MVUE) UCL 8.1903317

97.5% Chebyshev (MVUE) UCL 8.5595179

99% Chebyshev (MVUE) UCL 9.2847128

Gamma Distribution Test

k star (bias corrected) 2.6818793

Theta Star 2.810134

MLE of Mean 7.5364401

MLE of Standard Deviation 4.6020002

nu star 2998.341

Approximate Chi Square Value (.05) 2872.1136

Adjusted Level of Significance 0.0495707

Adjusted Chi Square Value 2871.7993

Anderson-Darling Test Statistic 40.304524

Anderson-Darling 5% Critical Value 0.7631385

Kolmogorov-Smirnov Test Statistic 0.283494

Kolmogorov-Smirnov 5% Critical Value 0.0394273

Data not Gamma Distributed at 5% Significance Level

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 7.9303767

95% Jackknife UCL 7.9310318

95% Standard Bootstrap UCL 7.9356053

95% Bootstrap-t UCL 7.9382649

95% Hall's Bootstrap UCL 7.9536427

95% Percentile Bootstrap UCL 7.9372987

95% BCA Bootstrap UCL 8.0011091

95% Chebyshev(Mean, Sd) UCL 8.580381

97.5% Chebyshev(Mean, Sd) UCL 9.0320951

99% Chebyshev(Mean, Sd) UCL 9.9193999

Assuming Gamma Distribution

95% Approximate Gamma UCL 7.8676615

95% Adjusted Gamma UCL 7.8685226

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 8.580381

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

General UCL Statistics for Full Data Sets

User Selected Options

Source	ProUCL Version 4.00.04 (USEPA 2009)
Full Precision	ON
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Background - Air Deposition Study Area (2001 Work Plan Method w/ Outliers)

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 1872

Raw Statistics

Minimum 0.006704

Maximum 147.10837

Mean 10.494985

Median 7.973943

SD 11.261429

Coefficient of Variation 1.0730295

Skewness 5.208295

Log-transformed Statistics

Minimum of Log Data -5.005051

Maximum of Log Data 4.9911695

Mean of log Data 2.0410841

SD of log Data 0.7875389

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1939373

Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0406223

Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 10.923206

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 10.956454

95% Modified-t UCL 10.928425

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 11.448041

97.5% Chebyshev (MVUE) UCL 11.860072

99% Chebyshev (MVUE) UCL 12.669428

Gamma Distribution Test

k star (bias corrected) 1.7597156

Theta Star 5.9640236

MLE of Mean 10.494985

MLE of Standard Deviation 7.9115321

nu star 6591.8945

Approximate Chi Square Value (.05) 6404.1752

Adjusted Level of Significance 0.0498719

Adjusted Chi Square Value 6404.0351

Anderson-Darling Test Statistic 22.018883

Anderson-Darling 5% Critical Value 0.7693651

Kolmogorov-Smirnov Test Statistic 0.0742112

Kolmogorov-Smirnov 5% Critical Value 0.0229169

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 10.802615

95% Adjusted Gamma UCL 10.802851

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 10.922993

95% Jackknife UCL 10.923206

95% Standard Bootstrap UCL 10.932866

95% Bootstrap-t UCL 10.953658

95% Hall's Bootstrap UCL 10.969058

95% Percentile Bootstrap UCL 10.92079

95% BCA Bootstrap UCL 10.957972

95% Chebyshev(Mean, Sd) UCL 11.629216

97.5% Chebyshev(Mean, Sd) UCL 12.119999

99% Chebyshev(Mean, Sd) UCL 13.084046

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 11.629216

Background - Air Deposition Study Area (Non-Cumulative Method w/ Outliers)

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 1872

Raw Statistics

Minimum 0.056771

Maximum 147.10837

Mean 9.1130767

Median 7.425056

SD 7.7024928

Coefficient of Variation 0.8452132

Skewness 5.4162568

Log-transformed Statistics

Minimum of Log Data -2.86873

Maximum of Log Data 4.9911695

Mean of log Data 1.9650244

SD of log Data 0.7150872

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1442977

Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 9.4059672

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 9.4296216

95% Modified-t UCL 9.4096795

Gamma Distribution Test

k star (bias corrected) 2.1924392

Theta Star 4.1565926

MLE of Mean 9.1130767

MLE of Standard Deviation 6.1546199

nu star 8212.8774

Approximate Chi Square Value (.05) 8003.2112

Adjusted Level of Significance 0.0498719

Adjusted Chi Square Value 8003.0545

Anderson-Darling Test Statistic 5.964277

Anderson-Darling 5% Critical Value 0.7658106

Kolmogorov-Smirnov Test Statistic 0.0411472

Kolmogorov-Smirnov 5% Critical Value 0.0228329

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 9.3518189

95% Adjusted Gamma UCL 9.352002

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.0291047

Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 9.9552439

97.5% Chebyshev (MVUE) UCL 10.276762

99% Chebyshev (MVUE) UCL 10.908323

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 9.4058218

95% Jackknife UCL 9.4059672

95% Standard Bootstrap UCL 9.4126522

95% Bootstrap-t UCL 9.4279102

95% Hall's Bootstrap UCL 9.4393348

95% Percentile Bootstrap UCL 9.4084681

95% BCA Bootstrap UCL 9.4362397

95% Chebyshev(Mean, Sd) UCL 9.8888578

97.5% Chebyshev(Mean, Sd) UCL 10.224539

99% Chebyshev(Mean, Sd) UCL 10.883919

Use 95% Chebyshev (Mean, Sd) UCL 9.8888578

Background - Air Deposition Study Area (2001 Work Plan Method w/o Outliers)

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 1872

Raw Statistics

Minimum 0.006704

Maximum 147.10837

Mean 9.8753696

Median 7.038088

SD 11.072659

Coefficient of Variation 1.1212399

Skewness 5.5470499

Log-transformed Statistics

Minimum of Log Data -5.005051

Maximum of Log Data 4.9911695

Mean of log Data 1.9962468

SD of log Data 0.7328071

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2309258

Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0473543

Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 10.296412

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 10.331242

95% Modified-t UCL 10.301878

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 10.426745

97.5% Chebyshev (MVUE) UCL 10.772809

99% Chebyshev (MVUE) UCL 11.452586

Gamma Distribution Test

k star (bias corrected) 1.8484948

Theta Star 5.3423844

MLE of Mean 9.8753696

MLE of Standard Deviation 7.2634716

nu star 6924.4614

Approximate Chi Square Value (.05) 6732.0364

Adjusted Level of Significance 0.0498719

Adjusted Chi Square Value 6731.8927

Anderson-Darling Test Statistic 42.461296

Anderson-Darling 5% Critical Value 0.7685368

Kolmogorov-Smirnov Test Statistic 0.0951307

Kolmogorov-Smirnov 5% Critical Value 0.0228941

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 10.157642

95% Adjusted Gamma UCL 10.157859

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 10.296203

95% Jackknife UCL 10.296412

95% Standard Bootstrap UCL 10.28785

95% Bootstrap-t UCL 10.3436

95% Hall's Bootstrap UCL 10.336662

95% Percentile Bootstrap UCL 10.315658

95% BCA Bootstrap UCL 10.35141

95% Chebyshev(Mean, Sd) UCL 10.990588

97.5% Chebyshev(Mean, Sd) UCL 11.473143

99% Chebyshev(Mean, Sd) UCL 12.421031

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 10.990588

Background - Air Deposition Study Area (Non-Cumulative Method w/o Outliers)

General Statistics

Number of Valid Observations 1873

Number of Distinct Observations 1871

Raw Statistics

Minimum 0.056771

Maximum 147.10837

Mean 8.3595447

Median 6.406888

SD 7.1347026

Coefficient of Variation 0.8534798

Skewness 6.3573422

Log-transformed Statistics

Minimum of Log Data -2.86873

Maximum of Log Data 4.9911695

Mean of log Data 1.9112839

SD of log Data 0.6337772

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.1868622

Lilliefors Critical Value 0.0204722

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 8.6308448

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 8.6565859

95% Modified-t UCL 8.6348809

Gamma Distribution Test

k star (bias corrected) 2.5076091

Theta Star 3.3336713

MLE of Mean 8.3595447

MLE of Standard Deviation 5.2790126

nu star 9393.5038

Approximate Chi Square Value (.05) 9169.1935

Adjusted Level of Significance 0.0498719

Adjusted Chi Square Value 9169.0258

Anderson-Darling Test Statistic 5.339E+27

Anderson-Darling 5% Critical Value 0.763649

Kolmogorov-Smirnov Test Statistic 0.0777731

Kolmogorov-Smirnov 5% Critical Value 0.0227957

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 8.5640481

95% Adjusted Gamma UCL 8.5642048

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.0426391

Lilliefors Critical Value 0.0204722

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL N/A

95% Chebyshev (MVUE) UCL 8.8425419

97.5% Chebyshev (MVUE) UCL 9.09258

99% Chebyshev (MVUE) UCL 9.5837313

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 8.6307101

95% Jackknife UCL 8.6308448

95% Standard Bootstrap UCL 8.6311664

95% Bootstrap-t UCL 8.6672945

95% Hall's Bootstrap UCL 8.6622963

95% Percentile Bootstrap UCL 8.6320903

95% BCA Bootstrap UCL 8.6762678

95% Chebyshev(Mean, Sd) UCL 9.078139

97.5% Chebyshev(Mean, Sd) UCL 9.3890753

99% Chebyshev(Mean, Sd) UCL 9.9998496

Use 95% Chebyshev (Mean, Sd) UCL 9.078139

Background - Culvert 105 Study Area North of the Canal (2001 Work Plan Method w/ Outliers)

General Statistics

Number of Valid Observations 287

Number of Distinct Observations 286

Raw Statistics

Minimum 0.006704

Maximum 147.10837

Mean 16.686678

Median 8.479255

SD 22.651115

Coefficient of Variation 1.3574371

Skewness 2.7856041

Log-transformed Statistics

Minimum of Log Data -5.005051

Maximum of Log Data 4.9911695

Mean of log Data 2.1815645

SD of log Data 1.1590643

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2609054

Lilliefors Critical Value 0.0522989

Data not Normal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 18.893082

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 19.120848

95% Modified-t UCL 18.929724

Gamma Distribution Test

k star (bias corrected) 0.913572

Theta Star 18.265312

MLE of Mean 16.686678

MLE of Standard Deviation 17.458161

nu star 524.39034

Approximate Chi Square Value (.05) 472.28297

Adjusted Level of Significance 0.0491638

Adjusted Chi Square Value 472.03653

Anderson-Darling Test Statistic 7.8970217

Anderson-Darling 5% Critical Value 0.7880523

Kolmogorov-Smirnov Test Statistic 0.1268869

Kolmogorov-Smirnov 5% Critical Value 0.0553872

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 18.527733

95% Adjusted Gamma UCL 18.537406

Potential UCL to Use

Lognormal Distribution Test

Lilliefors Test Statistic 0.0536311

Lilliefors Critical Value 0.0522989

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

95% H-UCL 20.2669

95% Chebyshev (MVUE) UCL 23.870236

97.5% Chebyshev (MVUE) UCL 26.723009

99% Chebyshev (MVUE) UCL 32.32673

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 18.885934

95% Jackknife UCL 18.893082

95% Standard Bootstrap UCL 18.942463

95% Bootstrap-t UCL 19.208167

95% Hall's Bootstrap UCL 19.125552

95% Percentile Bootstrap UCL 18.967514

95% BCA Bootstrap UCL 19.314326

95% Chebyshev(Mean, Sd) UCL 22.514757

97.5% Chebyshev(Mean, Sd) UCL 25.036572

99% Chebyshev(Mean, Sd) UCL 29.990188

Use 97.5% Chebyshev (Mean, Sd) UCL 25.036572

Background - Culvert 105 Study Area North of the Canal (Non-Cumulative Method w/ Outliers)

General Statistics

Number of Valid Observations 289

Number of Distinct Observations 288

Raw Statistics

Minimum 0.438487

Maximum 147.10837

Mean 12.466161

Median 6.749737

SD 18.718015

Coefficient of Variation 1.501506

Skewness 3.8772746

Log-transformed Statistics

Minimum of Log Data -0.824425

Maximum of Log Data 4.9911695

Mean of log Data 1.9672797

SD of log Data 0.9770053

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2675115

Lilliefors Critical Value 0.0521176

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.0615108

Lilliefors Critical Value 0.0521176

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 14.283087

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 14.545573

95% Modified-t UCL 14.324941

Assuming Lognormal Distribution

95% H-UCL 13.019399

95% Chebyshev (MVUE) UCL 14.973154

97.5% Chebyshev (MVUE) UCL 16.477114

99% Chebyshev (MVUE) UCL 19.431352

Gamma Distribution Test

k star (bias corrected) 1.026123

Theta Star 12.148797

MLE of Mean 12.466161

MLE of Standard Deviation 12.306456

nu star 593.09911

Approximate Chi Square Value (.05) 537.60794

Adjusted Level of Significance 0.0491696

Adjusted Chi Square Value 537.34655

Anderson-Darling Test Statistic 11.165012

Anderson-Darling 5% Critical Value 0.7831691

Kolmogorov-Smirnov Test Statistic 0.1468091

Kolmogorov-Smirnov 5% Critical Value 0.0549356

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 13.752901

95% Adjusted Gamma UCL 13.759591

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 14.277243

95% Jackknife UCL 14.283087

95% Standard Bootstrap UCL 14.272853

95% Bootstrap-t UCL 14.636041

95% Hall's Bootstrap UCL 14.579169

95% Percentile Bootstrap UCL 14.469309

95% BCA Bootstrap UCL 14.565572

95% Chebyshev(Mean, Sd) UCL 17.265569

97.5% Chebyshev(Mean, Sd) UCL 19.342276

99% Chebyshev(Mean, Sd) UCL 23.421566

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 17.265569

Background - Culvert 105 Study Area North of the Canal (2001 Work Plan Method w/o Outliers)

General Statistics

Number of Valid Observations 287

Number of Distinct Observations 287

Raw Statistics

Minimum 0.006704

Maximum 147.10837

Mean 15.922995

Median 6.598335

SD 22.702639

Coefficient of Variation 1.4257769

Skewness 2.847

Log-transformed Statistics

Minimum of Log Data -5.005051

Maximum of Log Data 4.9911695

Mean of log Data 2.1298806

SD of log Data 1.1158775

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2648891

Lilliefors Critical Value 0.0522989

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1017648

Lilliefors Critical Value 0.0522989

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 18.134418

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 18.367891

95% Modified-t UCL 18.171953

Assuming Lognormal Distribution

95% H-UCL 18.171946

95% Chebyshev (MVUE) UCL 21.287127

97.5% Chebyshev (MVUE) UCL 23.736448

99% Chebyshev (MVUE) UCL 28.547666

Gamma Distribution Test

k star (bias corrected) 0.9074156

Theta Star 17.547632

MLE of Mean 15.922995

MLE of Standard Deviation 16.715587

nu star 520.85655

Approximate Chi Square Value (.05) 468.92905

Adjusted Level of Significance 0.0491638

Adjusted Chi Square Value 468.6835

Anderson-Darling Test Statistic 14.586271

Anderson-Darling 5% Critical Value 0.7883709

Kolmogorov-Smirnov Test Statistic 0.1699506

Kolmogorov-Smirnov 5% Critical Value 0.0554008

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 17.68625

95% Adjusted Gamma UCL 17.695516

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 18.127254

95% Jackknife UCL 18.134418

95% Standard Bootstrap UCL 18.106591

95% Bootstrap-t UCL 18.368707

95% Hall's Bootstrap UCL 18.326716

95% Percentile Bootstrap UCL 18.17779

95% BCA Bootstrap UCL 18.40599

95% Chebyshev(Mean, Sd) UCL 21.764331

97.5% Chebyshev(Mean, Sd) UCL 24.291882

99% Chebyshev(Mean, Sd) UCL 29.256766

Potential UCL to Use

Use 97.5% Chebyshev (Mean, Sd) UCL 24.291882

Background - Culvert 105 Study Area North of the Canal (Non-Cumulative Method w/o Outliers)

General Statistics

Number of Valid Observations 289

Number of Distinct Observations 289

Raw Statistics

Minimum 0.438487

Maximum 147.10837

Mean 11.701576

Median 5.396352

SD 18.580248

Coefficient of Variation 1.5878415

Skewness 4.0518112

Log-transformed Statistics

Minimum of Log Data -0.824425

Maximum of Log Data 4.9911695

Mean of log Data 1.9337275

SD of log Data 0.8834591

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.2994775

Lilliefors Critical Value 0.0521176

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.1230901

Lilliefors Critical Value 0.0521176

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 13.50513

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL 13.777673

95% Modified-t UCL 13.548546

Assuming Lognormal Distribution

95% H-UCL 11.362794

95% Chebyshev (MVUE) UCL 12.905041

97.5% Chebyshev (MVUE) UCL 14.076752

99% Chebyshev (MVUE) UCL 16.37835

Gamma Distribution Test

k star (bias corrected) 1.0779722

Theta Star 10.855175

MLE of Mean 11.701576

MLE of Standard Deviation 11.270433

nu star 623.06791

Approximate Chi Square Value (.05) 566.16257

Adjusted Level of Significance 0.0491696

Adjusted Chi Square Value 565.89422

Anderson-Darling Test Statistic 22.529586

Anderson-Darling 5% Critical Value 0.7819058

Kolmogorov-Smirnov Test Statistic 0.2023607

Kolmogorov-Smirnov 5% Critical Value 0.0548713

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL 12.877709

95% Adjusted Gamma UCL 12.883815

Data Distribution

Data do not follow a Discernible Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 13.499328

95% Jackknife UCL 13.50513

95% Standard Bootstrap UCL 13.532196

95% Bootstrap-t UCL 13.843394

95% Hall's Bootstrap UCL 13.984218

95% Percentile Bootstrap UCL 13.602454

95% BCA Bootstrap UCL 13.670866

95% Chebyshev(Mean, Sd) UCL 16.46566

97.5% Chebyshev(Mean, Sd) UCL 18.527083

99% Chebyshev(Mean, Sd) UCL 22.576349

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 16.46566

Attachment 5 Part 1 Crystal Ball Report

Crystal Ball Report - Custom

Simulation started on 3/3/2011 at 14:55:12

Simulation stopped on 3/3/2011 at 14:55:20

Run preferences:

Number of trials run	10,000
Extreme speed	
Monte Carlo	
Random seed	
Precision control on	
Confidence level	95.00%

Run statistics:

Total running time (sec)	2.08
Trials/second (average)	4,819
Random numbers per sec	106,017

Crystal Ball data:

Assumptions	22
Correlations	0
Correlated groups	0
Decision variables	0
Forecasts	15

Assumptions

Worksheet: [Middleport HHRA Intake Calcs.xlsx]PRA Calcs

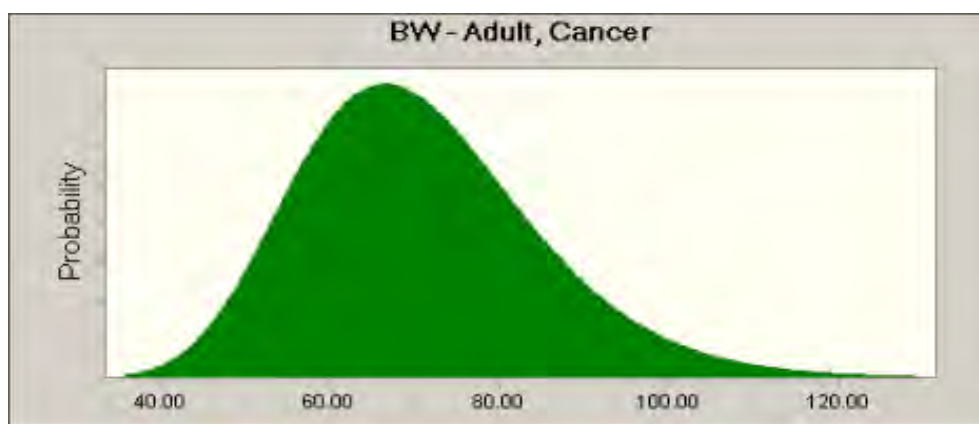
Assumption: BW - Adult, Cancer

Cell: D71

Lognormal distribution with parameters:

Location	0.00	
Mean	70.70	(=G71)
Std. Dev.	14.40	(=H71)

Selected range is from 23.85 to 205.40



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	70.61	70.70
Median	69.37	69.28
Mode	---	---
Standard Deviation	14.36	14.40
Variance	206.24	207.39
Skewness	0.6262	0.6188
Kurtosis	3.83	3.69
Coeff. of Variability	0.2034	0.2037
Minimum	34.65	23.85
Maximum	157.94	205.40
Range Width	123.28	181.55
Mean Std. Error	0.14	---

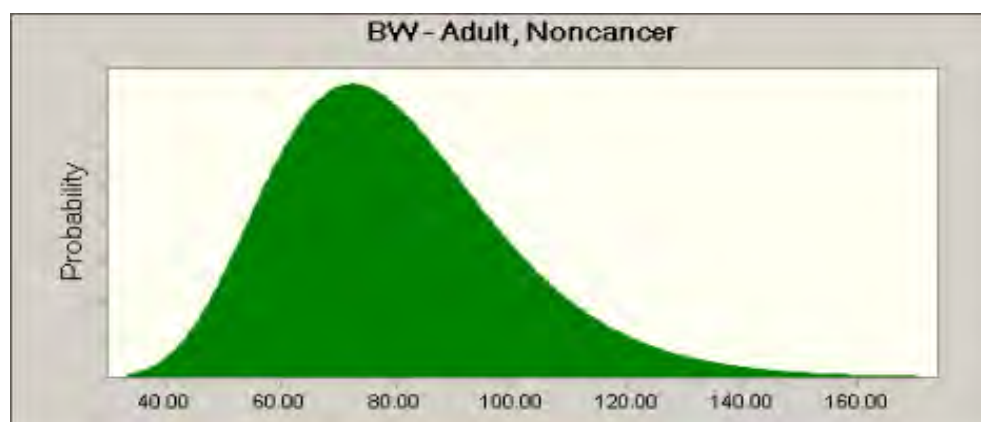
Percentiles:	Assumption values	Distribution
5%	49.47	49.72
95%	96.25	96.52

Assumption: BW - Adult, Noncancer**Cell: D70**

Lognormal distribution with parameters:

Location	0.00	
Mean	79.96	(=G70)
Std. Dev.	20.73	(=H70)

Selected range is from 23.85 to 205.40



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	80.11	79.95
Median	77.59	77.40
Mode	---	---
Standard Deviation	20.68	20.70
Variance	427.49	428.54
Skewness	0.8100	0.7797
Kurtosis	4.12	4.03
Coeff. of Variability	0.2581	0.2589
Minimum	30.04	23.85
Maximum	194.02	205.40
Range Width	163.97	181.55
Mean Std. Error	0.21	---

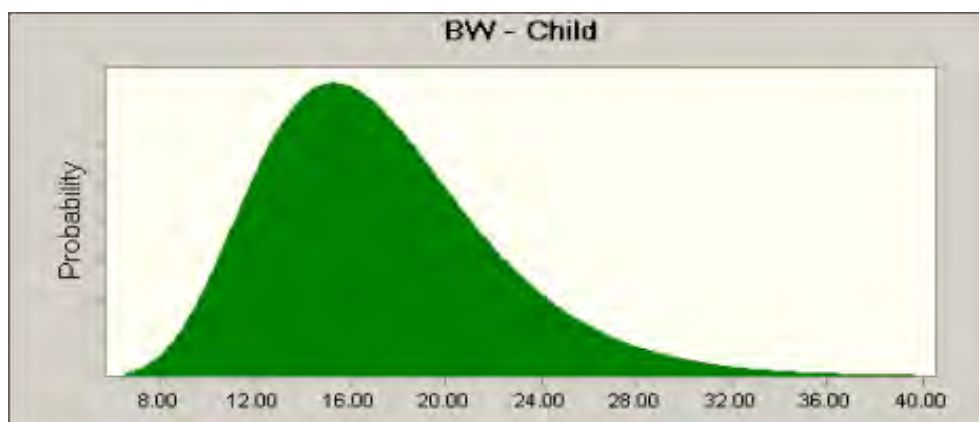
Percentiles:	Assumption values	Distribution
5%	51.45	50.88
95%	117.89	117.73

Assumption: BW - Child**Cell: D69**

Lognormal distribution with parameters:

Location	0.00	
Mean	17.27	(=G69)
Std. Dev.	4.97	(=H69)

Selected range is from 4.40 to 52.40



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	17.30	17.27
Median	16.65	16.60
Mode	---	---
Standard Deviation	4.95	4.97
Variance	24.47	24.67
Skewness	0.8521	0.8780
Kurtosis	4.23	4.35
Coeff. of Variability	0.2859	0.2876
Minimum	5.99	4.40
Maximum	46.78	52.40
Range Width	40.79	48.00
Mean Std. Error	0.05	---

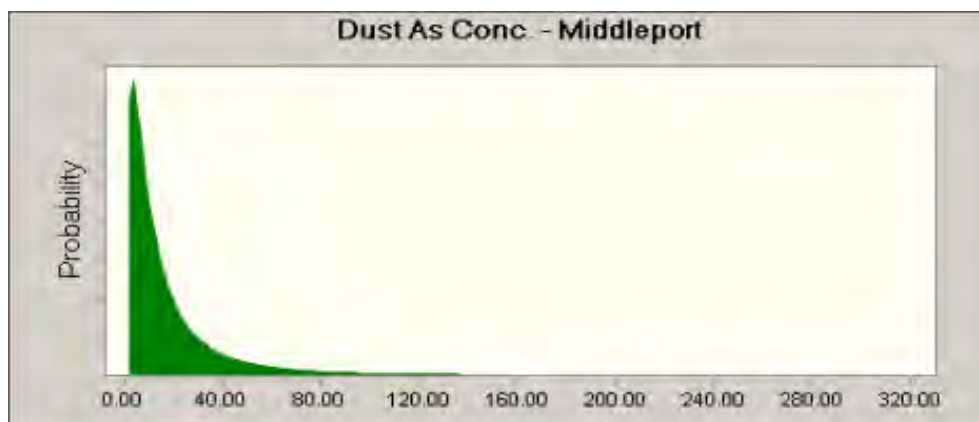
Percentiles:	Assumption values	Distribution
5%	10.46	10.44
95%	26.33	26.39

Assumption: Dust As Conc. - Middleport**Cell: D28**

Lognormal distribution with parameters:

Location	0.00	
Geo. Mean	10.80	(=G28)
Geo. Std. Dev.	3.00	(=H28)

Selected range is from 1.00 to 172.00



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	18.53	18.59
Median	10.66	10.94
Mode	---	---
Standard Deviation	21.97	22.10
Variance	482.68	488.44
Skewness	2.80	2.84
Kurtosis	13.16	13.34
Coeff. of Variability	1.19	1.19
Minimum	1.00	1.00
Maximum	170.83	172.00
Range Width	169.83	171.00
Mean Std. Error	0.22	---

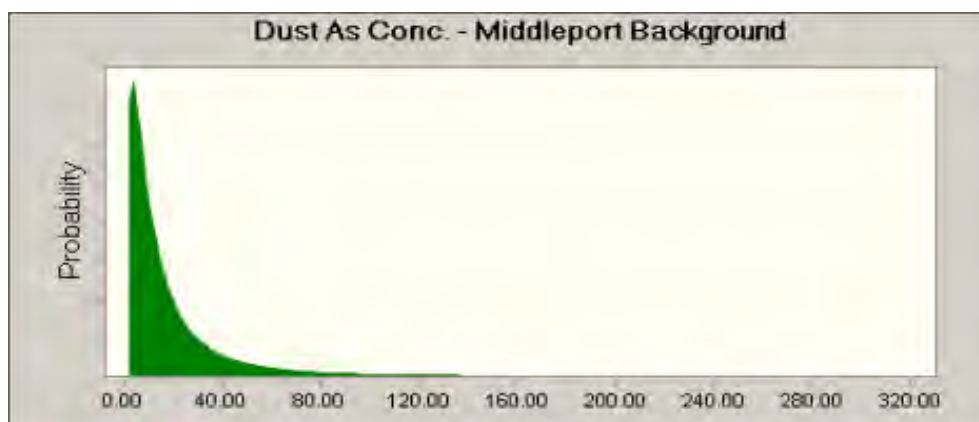
Percentiles:	Assumption values	Distribution
5%	2.03	2.03
95%	62.48	62.62

Assumption: Dust As Conc. - Middleport Background**Cell: D29**

Lognormal distribution with parameters:

Location	0.00	
Geo. Mean	10.80	(=G29)
Geo. Std. Dev.	3.00	(=H29)

Selected range is from 1.00 to 172.00



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	18.72	18.59
Median	11.11	10.94
Mode	---	---
Standard Deviation	22.15	22.10
Variance	490.44	488.44
Skewness	2.79	2.84
Kurtosis	12.88	13.34
Coeff. of Variability	1.18	1.19
Minimum	1.00	1.00
Maximum	171.92	172.00
Range Width	170.92	171.00
Mean Std. Error	0.22	---

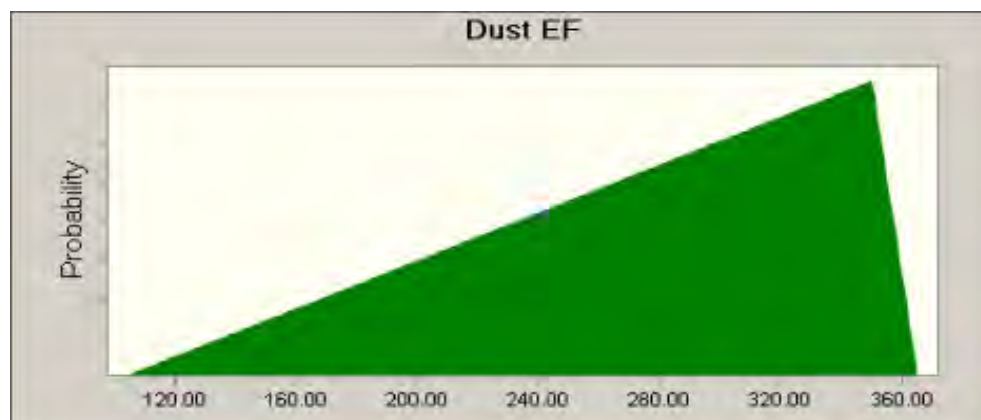
Percentiles:	Assumption values	Distribution
5%	1.99	2.03
95%	62.99	62.62

Assumption: Dust EF

Cell: D35

Triangular distribution with parameters:

Minimum	104.00	(=H35)
Likeliest	350.00	(=G35)
Maximum	365.00	(=I35)



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	272.92	273.00
Median	283.51	283.17
Mode	---	350.00
Standard Deviation	59.58	59.83
Variance	3,550.01	3,579.50
Skewness	-0.5621	-0.5590
Kurtosis	2.39	5.40
Coeff. of Variability	0.2183	0.2192
Minimum	106.78	104.00
Maximum	363.92	365.00
Range Width	257.14	261.00
Mean Std. Error	0.60	---

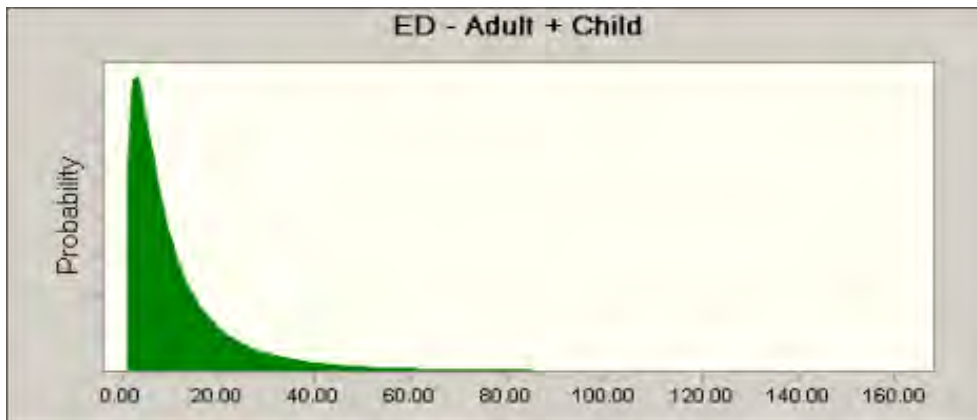
Percentiles:	Assumption values	Distribution
5%	160.70	160.66
95%	350.33	351.01

Assumption: ED - Adult + Child**Cell: D54**

Lognormal distribution with parameters:

Location	0.00	
Mean	12.60	(=G54)
Std. Dev.	16.20	(=H54)

Selected range is from 1.00 to 87.00



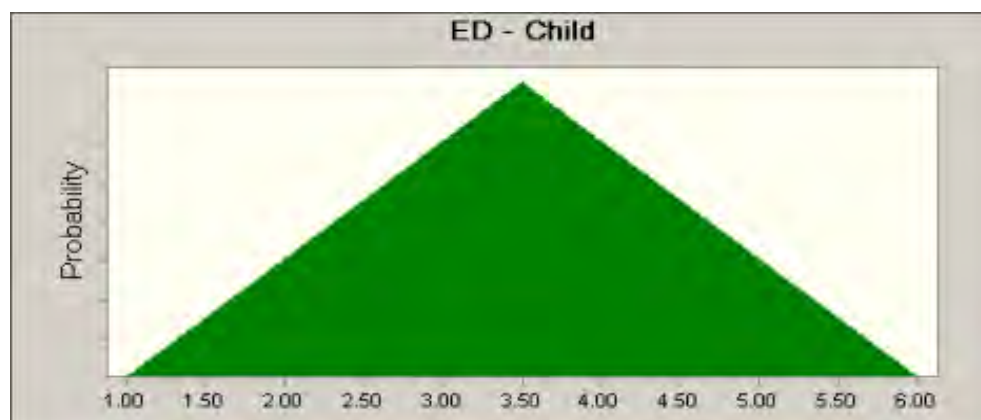
Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	12.16	12.00
Median	8.05	7.85
Mode	---	---
Standard Deviation	12.31	12.30
Variance	151.50	151.27
Skewness	2.35	2.41
Kurtosis	9.93	10.27
Coeff. of Variability	1.01	1.03
Minimum	1.00	1.00
Maximum	87.00	87.00
Range Width	85.99	86.00
Mean Std. Error	0.12	---

Percentiles:	Assumption values	Distribution
5%	1.78	1.77
95%	37.62	37.23

Assumption: ED - Child**Cell: D53**

Triangular distribution with parameters:

Minimum	1.00	(=I53)
Likeliest	3.50	(=K53)
Maximum	6.00	(=J53)



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	3.50	3.50
Median	3.50	3.50
Mode	---	3.50
Standard Deviation	1.03	1.02
Variance	1.06	1.04
Skewness	0.0025	0.00
Kurtosis	2.37	5.40
Coeff. of Variability	0.2944	0.2916
Minimum	1.05	1.00
Maximum	5.99	6.00
Range Width	4.94	5.00
Mean Std. Error	0.01	---

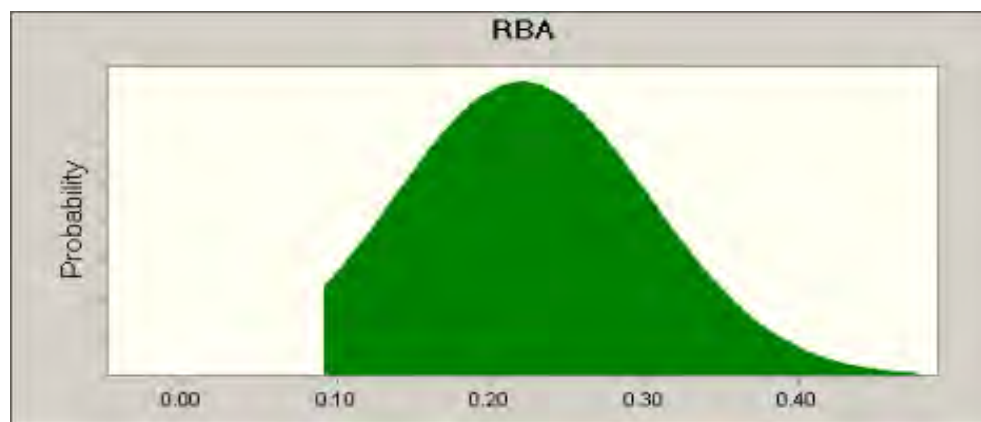
Percentiles:	Assumption values	Distribution
5%	1.77	1.79
95%	5.21	5.21

Assumption: RBA**Cell: D57**

Normal distribution with parameters:

Mean 0.22 (=G57)
 Std. Dev. 0.08 (=H57)

Selected range is from 0.09 to 0.48



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	0.23	0.23
Median	0.23	0.23
Mode	---	---
Standard Deviation	0.07	0.07
Variance	0.01	0.01
Skewness	0.3173	0.3352
Kurtosis	2.62	2.68
Coeff. of Variability	0.3194	0.3187
Minimum	0.09	0.09
Maximum	0.47	0.48
Range Width	0.38	0.39
Mean Std. Error	0.00	---

Percentiles:	Assumption values	Distribution
5%	0.12	0.12
95%	0.36	0.36

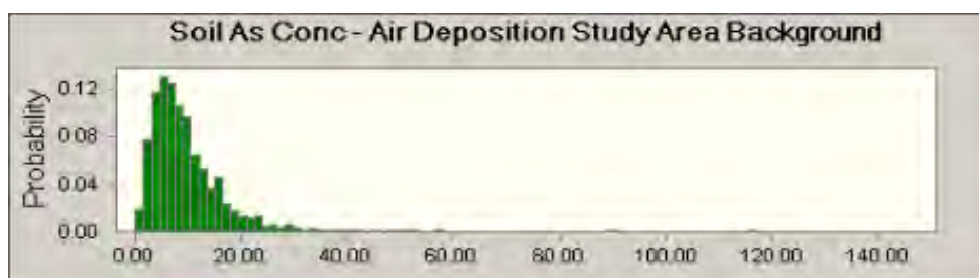
Assumption: Soil As Conc - Air Deposition Study Area Background

Cell: D11

Custom distribution with parameters:

Assumption: Soil As Conc - Air Deposition Study Area Background (cont'd)**Cell: D11**

Link to: ='Soil C'!\$A\$10:\$AJ\$1882



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	10.49	10.49
Median	8.04	7.97
Mode	2.27	---
Standard Deviation	10.99	11.26
Variance	120.68	126.75
Skewness	4.98	5.20
Kurtosis	39.31	42.97
Coeff. of Variability	1.05	1.07
Minimum	0.01	0.01
Maximum	147.11	147.11
Range Width	147.10	147.10
Mean Std. Error	0.11	---

Percentiles:	Assumption values	Distribution
5%	2.32	2.22
95%	24.72	25.15

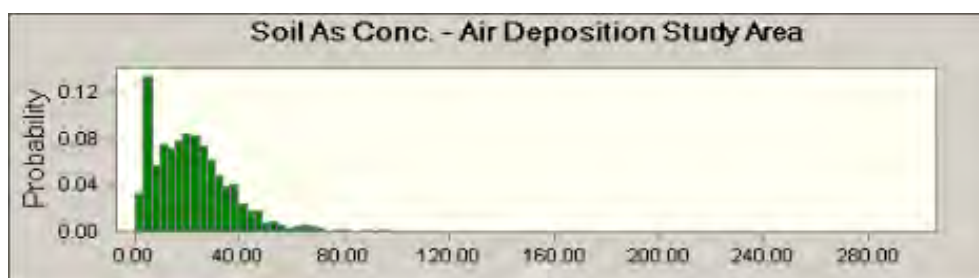
Assumption: Soil As Conc. - Air Deposition Study Area

Cell: D10

Custom distribution with parameters:

Assumption: Soil As Conc. - Air Deposition Study Area (cont'd)**Cell: D10**

Link to: ='Soil C'!\$E\$10:\$F\$525



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	22.18	22.68
Median	19.40	20.00
Mode	3.80	---
Standard Deviation	18.24	19.34
Variance	332.74	373.91
Skewness	3.79	4.25
Kurtosis	38.18	42.51
Coeff. of Variability	0.8222	0.8527
Minimum	0.20	0.20
Maximum	298.00	298.00
Range Width	297.80	297.80
Mean Std. Error	0.18	---

Percentiles:	Assumption values	Distribution
5%	3.68	3.68
95%	49.10	51.20

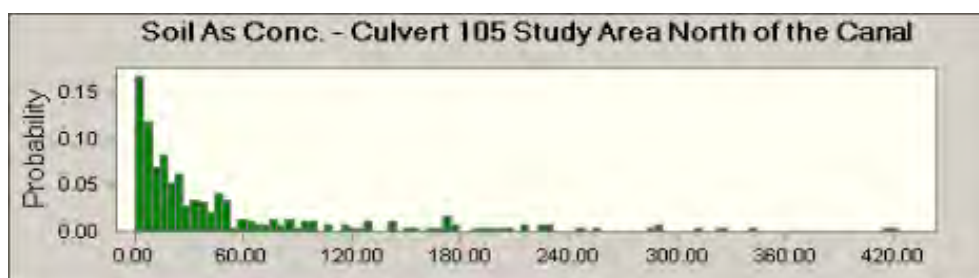
Assumption: Soil As Conc. - Culvert 105 Study Area North of the Canal

Cell: D12

Custom distribution with parameters:

Assumption: Soil As Conc. - Culvert 105 Study Area North of the Canal (cont'd)**Cell: D12**

Link to: ='Soil C'!\$AP\$10:\$AQ\$229



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	54.30	53.44
Median	22.60	22.50
Mode	2.86	---
Standard Deviation	77.46	76.86
Variance	6,000.23	5,907.95
Skewness	2.43	2.45
Kurtosis	9.35	9.48
Coeff. of Variability	1.43	1.44
Minimum	0.11	0.11
Maximum	432.00	432.00
Range Width	431.89	431.89
Mean Std. Error	0.77	---

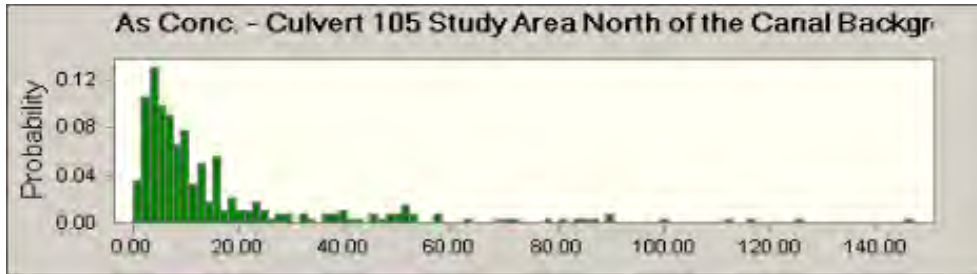
Percentiles:	Assumption values	Distribution
5%	2.86	2.86
95%	225.00	225.00

Assumption: Soil As Conc. - Culvert 105 Study Area North of the Canal Background Cell: D13

Custom distribution with parameters:

Assumption: Soil As Conc. - Culvert 105 Study Area North of the Canal Background **Cell: D13**

Link to: ='Soil C'!\$B\$10:\$B\$296



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	16.32	16.69
Median	8.41	8.48
Mode	4.21	---
Standard Deviation	21.61	22.61
Variance	466.90	511.29
Skewness	2.71	2.77
Kurtosis	11.39	11.62
Coeff. of Variability	1.32	1.36
Minimum	0.01	0.01
Maximum	147.11	147.11
Range Width	147.10	147.10
Mean Std. Error	0.22	---

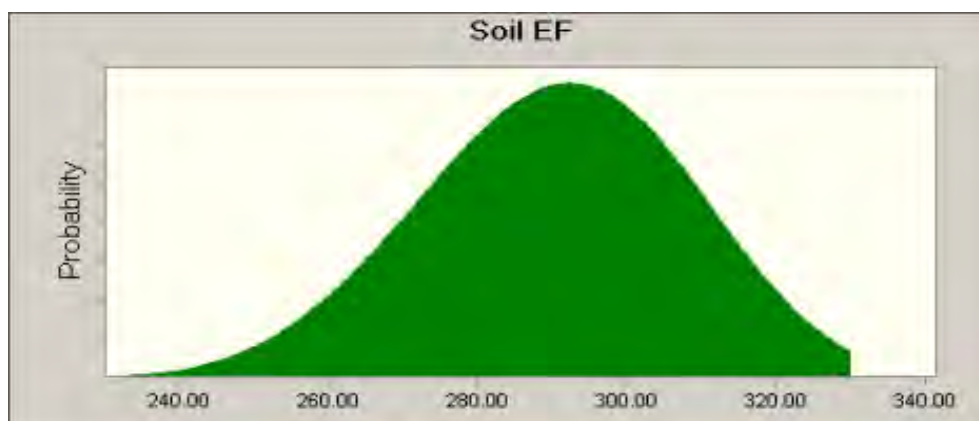
Percentiles:	Assumption values	Distribution
5%	1.66	1.74
95%	63.80	69.04

Assumption: Soil EF**Cell: D16**

Weibull distribution with parameters:

Location	225.68	(=G16)
Scale	71.56	(=H16)
Shape	4.00758	(=I16)

Selected range is from 104.00 to 330.00

Assumption: Soil EF (cont'd)**Cell: D16**

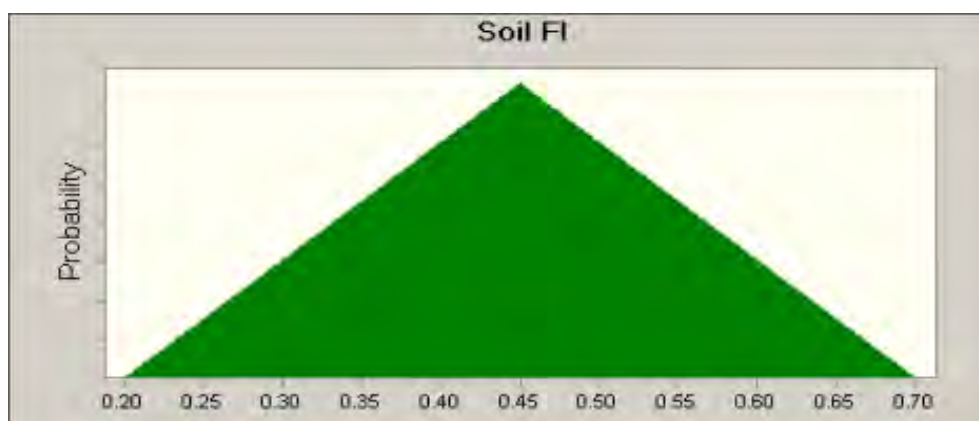
Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	289.98	290.06
Median	290.63	290.73
Mode	---	---
Standard Deviation	17.62	17.65
Variance	310.63	311.63
Skewness	-0.2093	-0.1955
Kurtosis	2.64	2.62
Coeff. of Variability	0.0608	0.0609
Minimum	229.34	225.68
Maximum	330.00	330.00
Range Width	100.66	104.32
Mean Std. Error	0.18	---

Percentiles:	Assumption values	Distribution
5%	259.24	259.69
95%	317.93	318.28

Assumption: Soil FI**Cell: D23**

Triangular distribution with parameters:

Minimum	0.20	(=H23)
Likeliest	0.45	(=G23)
Maximum	0.70	(=I23)

Assumption: Soil FI (cont'd)**Cell: D23**

Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	0.45	0.45
Median	0.45	0.45
Mode	---	0.45
Standard Deviation	0.10	0.10
Variance	0.01	0.01
Skewness	0.0296	0.00
Kurtosis	2.39	5.40
Coeff. of Variability	0.2294	0.2268
Minimum	0.20	0.20
Maximum	0.70	0.70
Range Width	0.50	0.50
Mean Std. Error	0.00	---

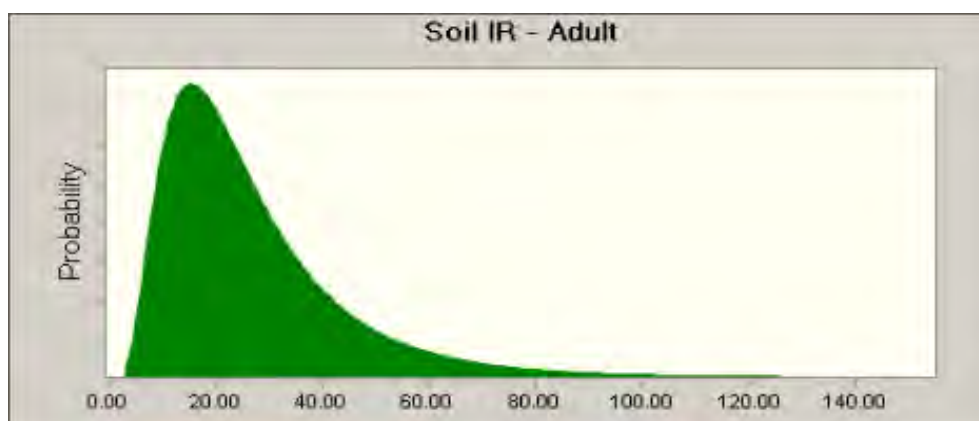
Percentiles:	Assumption values	Distribution
5%	0.28	0.28
95%	0.62	0.62

Assumption: Soil IR - Adult**Cell: D49**

Lognormal distribution with parameters:

Location	0.00	
50%	22.50	(=G49)
95%	62.00	(=H49)

Selected range is from 0.00 to 1,000.00

Assumption: Soil IR - Adult (cont'd)**Cell: D49**

Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	27.25	27.20
Median	22.51	22.50
Mode	---	---
Standard Deviation	18.76	18.49
Variance	351.92	341.98
Skewness	2.30	2.34
Kurtosis	11.95	13.82
Coeff. of Variability	0.6885	0.6798
Minimum	2.33	0.00
Maximum	195.65	1,000.00
Range Width	193.32	1,000.00
Mean Std. Error	0.19	---

Percentiles:	Assumption values	Distribution
5%	8.01	8.17
95%	61.97	62.00

Assumption: Soil IR - Child**Cell: D46**

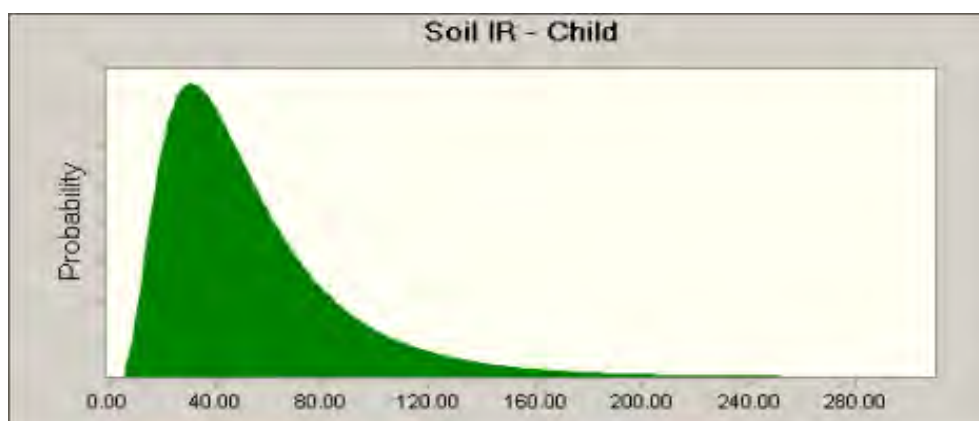
Lognormal distribution with parameters:

Location	0.00	
50%	45.00	(=G46)
95%	124.00	(=H46)

Selected range is from 0.00 to 1,000.00

Assumption: Soil IR - Child (cont'd)

Cell: D46



Statistics:	Assumption values	Distribution
Trials	10,000	---
Mean	53.17	54.41
Median	44.07	45.00
Mode	---	---
Standard Deviation	35.82	36.98
Variance	1,283.28	1,367.71
Skewness	2.33	2.33
Kurtosis	14.72	13.77
Coeff. of Variability	0.6738	0.6797
Minimum	5.07	0.00
Maximum	592.03	1,000.00
Range Width	586.96	1,000.00
Mean Std. Error	0.36	---

Percentiles:	Assumption values	Distribution
5%	16.14	16.33
95%	121.25	124.00

End of Assumptions

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
Statistics																					
Trials	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Mean	8.61E-07	7.87E-06	1.40E-05	7.10E-07	6.54E-06	1.17E-05	4.80E-07	4.45E-06	7.94E-06	5.89E-07	5.49E-06	9.75E-06	6.64E-07	5.91E-06	1.08E-05	6.79E-07	6.20E-06	1.12E-05	5.91E-07	5.38E-06	9.67E-06
Median	4.74E-07	3.85E-06	7.87E-06	4.09E-07	3.42E-06	6.89E-06	2.52E-07	2.11E-06	4.25E-06	3.27E-07	2.81E-06	5.62E-06	3.79E-07	3.09E-06	6.34E-06	4.01E-07	3.28E-06	6.73E-06	3.30E-07	2.74E-06	5.51E-06
Mode	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Standard Deviation	1.71E-06	1.80E-05	2.62E-05	9.72E-07	1.02E-05	1.55E-05	7.62E-07	7.87E-06	1.19E-05	8.22E-07	8.71E-06	1.30E-05	9.12E-07	9.01E-06	1.44E-05	9.23E-07	9.47E-06	1.49E-05	8.70E-07	8.45E-06	1.33E-05
Variance	2.91E-12	3.26E-10	6.88E-10	9.45E-13	1.04E-10	2.41E-10	5.81E-13	6.19E-11	1.42E-10	6.76E-13	7.58E-11	1.70E-10	8.31E-13	8.12E-11	2.07E-10	8.51E-13	8.97E-11	2.21E-10	7.57E-13	7.15E-11	1.78E-10
Skewness	22.53	24.11	19.49	5.22	5.94	4.68	6.40	7.47	5.22	4.59	5.47	4.29	4.54	5.05	4.39	5.95	6.69	5.43	6.83	5.83	5.01
Kurtosis	988.62	1,030.11	763.61	60.19	64.20	39.67	78.36	107.72	46.94	39.11	52.94	31.71	36.42	42.66	34.75	77.99	97.27	59.24	101.45	64.06	47.18
Coeff. of Variability	1.98	2.29	1.87	1.37	1.56	1.33	1.59	1.77	1.50	1.40	1.59	1.34	1.37	1.52	1.33	1.36	1.53	1.33	1.47	1.57	1.38
Minimum	6.62E-09	1.01E-07	2.11E-07	4.99E-09	8.16E-08	1.45E-07	3.82E-09	4.50E-08	4.42E-08	1.41E-09	7.02E-08	8.13E-08	6.58E-09	3.62E-08	9.11E-08	7.61E-09	7.25E-08	1.59E-07	4.59E-09	3.57E-08	8.53E-08
Maximum	9.26E-05	9.34E-04	1.32E-03	2.37E-05	2.07E-04	2.54E-04	1.75E-05	2.09E-04	2.09E-04	1.41E-05	1.61E-04	1.68E-04	1.39E-05	1.41E-04	2.35E-04	2.28E-05	2.53E-04	3.24E-04	2.25E-05	1.89E-04	2.25E-04
Range Width	9.26E-05	9.34E-04	1.32E-03	2.37E-05	2.07E-04	2.54E-04	1.75E-05	2.09E-04	2.09E-04	1.41E-05	1.61E-04	1.68E-04	1.39E-05	1.41E-04	2.35E-04	2.28E-05	2.53E-04	3.24E-04	2.25E-05	1.89E-04	2.25E-04
Mean Std. Error	1.71E-08	1.80E-07	2.62E-07	9.72E-09	1.02E-07	1.55E-07	7.62E-09	7.87E-08	1.19E-07	8.22E-09	8.71E-08	1.30E-07	9.12E-09	9.01E-08	1.44E-07	9.23E-09	9.47E-08	1.49E-07	8.70E-09	8.45E-08	1.33E-07
Percentiles																					
50%	4.74E-07	3.85E-06	7.87E-06	4.09E-07	3.42E-06	6.89E-06	2.52E-07	2.11E-06	4.25E-06	3.27E-07	2.81E-06	5.62E-06	3.79E-07	3.09E-06	6.34E-06	4.01E-07	3.28E-06	6.73E-06	3.30E-07	2.74E-06	5.51E-06
75%	9.59E-07	8.37E-06	1.57E-05	8.39E-07	7.35E-06	1.38E-05	5.31E-07	4.80E-06	8.97E-06	6.81E-07	6.01E-06	1.14E-05	7.80E-07	6.65E-06	1.26E-05	8.07E-07	7.07E-06	1.34E-05	6.90E-07	6.02E-06	1.14E-05
90%	1.83E-06	1.70E-05	2.95E-05	1.58E-06	1.48E-05	2.53E-05	1.08E-06	1.02E-05	1.75E-05	1.36E-06	1.26E-05	2.23E-05	1.50E-06	1.33E-05	2.39E-05	1.52E-06	1.43E-05	2.46E-05	1.34E-06	1.23E-05	2.16E-05
95%	2.72E-06	2.63E-05	4.44E-05	2.33E-06	2.23E-05	3.79E-05	1.64E-06	1.60E-05	2.71E-05	2.01E-06	1.96E-05	3.22E-05	2.20E-06	2.02E-05	3.57E-05	2.18E-06	2.11E-05	3.58E-05	1.98E-06	1.90E-05	3.15E-05
99%	5.88E-06	6.20E-05	9.64E-05	4.81E-06	4.90E-05	7.60E-05	3.68E-06	3.57E-05	5.84E-05	4.07E-06	4.36E-05	6.48E-05	4.49E-06	4.55E-05	7.20E-05	4.37E-06	4.54E-05	6.94E-05	3.95E-06	4.01E-05	6.39E-05
Trial values																					
1	9.26E-05	9.34E-04	1.32E-03	2.37E-05	2.07E-04	2.54E-04	1.75E-05	2.09E-04	2.09E-04	1.41E-05	1.61E-04	1.68E-04	1.39E-05	1.41E-04	2.35E-04	2.28E-05	2.53E-04	3.24E-04	2.25E-05	1.89E-04	2.25E-04
2	5.70E-05	7.60E-04	7.60E-04	1.54E-05	1.75E-04	2.28E-04	1.56E-05	1.44E-04	1.89E-04	1.23E-05	1.52E-04	1.62E-04	1.29E-05	1.29E-04	2.04E-04	1.83E-05	1.87E-04	2.54E-04	1.92E-05	1.30E-04	2.22E-04
3	3.28E-05	2.99E-04	7.16E-04	1.33E-05	1.60E-04	2.12E-04	1.17E-05	1.44E-04	1.59E-04	1.17E-05	1.32E-04	1.61E-04	1.21E-05	1.20E-04	1.92E-04	1.47E-05	1.70E-04	2.09E-04	1.61E-05	1.29E-04	2.18E-04
4	2.50E-05	2.87E-04	4.31E-04	1.20E-05	1.56E-04	2.07E-04	1.07E-05	1.43E-04	1.56E-04	1.02E-05	1.17E-04	1.61E-04	1.16E-05	1.19E-04	1.75E-04	1.34E-05	1.46E-04	1.97E-04	1.38E-05	1.23E-04	1.89E-04
5	2.42E-05	2.72E-04	2.99E-04	1.04E-05	1.41E-04	2.06E-04	1.01E-05	1.27E-04	1.44E-04	9.85E-06	1.10E-04	1.53E-04	1.06E-05	1.16E-04	1.74E-04	1.20E-05	1.39E-04	1.94E-04	1.24E-05	1.13E-04	1.88E-04
6	2.16E-05	2.68E-04	2.97E-04	1.03E-05	1.40E-04	1.84E-04	1.01E-05	9.90E-05	1.44E-04	9.45E-06	1.01E-04	1.43E-04	1.04E-05	1.12E-04	1.68E-04	1.17E-05	1.19E-04	1.87E-04	1.13E-05	1.08E-04	1.64E-04
7	2.14E-05	2.47E-04	2.87E-04	9.27E-06	1.39E-04	1.75E-04	9.71E-06	9.52E-05	1.43E-04	9.28E-06	9.94E-05	1.42E-04	1.01E-05	1.04E-04	1.63E-04	1.15E-05	1.16E-04	1.79E-04	1.11E-05	1.03E-04	1.55E-04
8	1.97E-05	2.36E-04	2.84E-04	9.19E-06	1.29E-04	1.73E-04	9.36E-06	9.39E-05	1.43E-04	9.15E-06	9.91E-05	1.41E-04	9.65E-06	1.02E-04	1.41E-04	1.04E-05	1.15E-04	1.75E-04	1.08E-05	9.95E-05	1.49E-04
9	1.92E-05	1.94E-04	2.78E-04	9.16E-06	1.18E-04	1.68E-04	9.24E-06	9.16E-05	1.39E-04	9.14E-06	9.59E-05	1.36E-04	9.60E-06	9.96E-05	1.40E-04	1.03E-05	9.21E-05	1.74E-04	1.02E-05	9.80E-05	1.36E-04
10	1.65E-05	1.87E-04	2.72E-04	9.15E-06	1.14E-04	1.65E-04	8.87E-06	9.16E-05	1.32E-04	9.08E-06	9.52E-05	1.36E-04	9.48E-06	9.47E-05	1.36E-04	9.91E-06	8.91E-05	1.70E-04	9.77E-06	9.28E-05	1.33E-04
11	1.65E-05	1.75E-04	2.52E-04	9.07E-06	1.11E-04	1.60E-04	8.56E-06	8.86E-05	1.26E-04	8.39E-06	9.28E-05	1.36E-04	9.37E-06	9.21E-05	1.35E-04	9.52E-06	8.89E-05	1.62E-04	9.72E-06	8.79E-05	1.30E-04
12	1.63E-05	1.49E-04	2.50E-04	8.96E-06	1.04E-04	1.56E-04	8.51E-06	8.67E-05	1.20E-04	8.14E-06	9.22E-05	1.29E-04	9.22E-06	9.19E-05	1.31E-04	9.37E-06	8.78E-05	1.61E-04	8.66E-06	8.51E-05	1.29E-04
13	1.55E-05	1.42E-04	2.47E-04	8.92E-06	1.01E-04	1.55E-04	7.34E-06	8.15E-05	1.19E-04	7.42E-06	9.12E-05	1.28E-04	9.18E-06	9.16E-05	1.31E-04	9.33E-06	8.70E-05	1.53E-04	8.11E-06	8.20E-0	

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
40	9.45E-06	9.37E-05	1.47E-04	6.59E-06	6.94E-05	1.01E-04	5.22E-06	5.20E-05	8.63E-05	5.37E-06	6.28E-05	9.09E-05	6.23E-06	6.22E-05	9.91E-05	5.90E-06	6.05E-05	9.39E-05	5.36E-06	5.77E-05	8.97E-05
41	9.43E-06	9.34E-05	1.47E-04	6.48E-06	6.72E-05	1.00E-04	5.17E-06	5.15E-05	8.50E-05	5.33E-06	6.26E-05	8.87E-05	6.20E-06	6.19E-05	9.79E-05	5.88E-06	6.02E-05	9.35E-05	5.31E-06	5.68E-05	8.92E-05
42	9.27E-06	9.30E-05	1.43E-04	6.31E-06	6.65E-05	9.99E-05	5.11E-06	5.11E-05	8.47E-05	5.33E-06	6.19E-05	8.85E-05	6.19E-06	6.05E-05	9.79E-05	5.88E-06	5.99E-05	9.34E-05	5.31E-06	5.65E-05	8.82E-05
43	9.25E-06	9.28E-05	1.41E-04	6.29E-06	6.63E-05	9.97E-05	5.08E-06	5.09E-05	8.20E-05	5.27E-06	6.17E-05	8.83E-05	6.18E-06	6.05E-05	9.69E-05	5.75E-06	5.93E-05	9.30E-05	5.30E-06	5.63E-05	8.82E-05
44	9.21E-06	9.25E-05	1.41E-04	6.27E-06	6.58E-05	9.96E-05	5.07E-06	4.99E-05	8.15E-05	5.25E-06	6.06E-05	8.80E-05	6.02E-06	6.00E-05	9.60E-05	5.69E-06	5.90E-05	9.21E-05	5.27E-06	5.63E-05	8.81E-05
45	9.18E-06	9.18E-05	1.40E-04	6.23E-06	6.52E-05	9.94E-05	5.02E-06	4.95E-05	8.09E-05	5.22E-06	6.05E-05	8.76E-05	5.88E-06	5.97E-05	9.59E-05	5.66E-06	5.89E-05	9.17E-05	5.27E-06	5.60E-05	8.79E-05
46	9.14E-06	9.16E-05	1.35E-04	6.21E-06	6.49E-05	9.91E-05	5.01E-06	4.94E-05	8.05E-05	5.21E-06	5.83E-05	8.72E-05	5.81E-06	5.93E-05	9.50E-05	5.65E-06	5.87E-05	9.16E-05	5.22E-06	5.56E-05	8.76E-05
47	9.08E-06	9.12E-05	1.35E-04	6.20E-06	6.48E-05	9.89E-05	4.97E-06	4.94E-05	8.02E-05	5.17E-06	5.81E-05	8.70E-05	5.80E-06	5.92E-05	9.47E-05	5.54E-06	5.80E-05	9.12E-05	5.15E-06	5.52E-05	8.53E-05
48	8.91E-06	8.98E-05	1.31E-04	6.14E-06	6.44E-05	9.85E-05	4.86E-06	4.91E-05	7.86E-05	5.11E-06	5.80E-05	8.64E-05	5.69E-06	5.92E-05	9.36E-05	5.53E-06	5.79E-05	9.07E-05	5.08E-06	5.50E-05	8.53E-05
49	8.80E-06	8.98E-05	1.30E-04	6.13E-06	6.42E-05	9.83E-05	4.77E-06	4.91E-05	7.82E-05	5.07E-06	5.76E-05	8.53E-05	5.68E-06	5.85E-05	9.32E-05	5.50E-06	5.78E-05	8.91E-05	5.02E-06	5.47E-05	8.53E-05
50	8.79E-06	8.97E-05	1.30E-04	6.13E-06	6.41E-05	9.77E-05	4.70E-06	4.88E-05	7.74E-05	5.06E-06	5.72E-05	8.48E-05	5.67E-06	5.74E-05	9.25E-05	5.48E-06	5.76E-05	8.85E-05	4.99E-06	5.45E-05	8.52E-05
51	8.77E-06	8.89E-05	1.27E-04	6.13E-06	6.35E-05	9.67E-05	4.66E-06	4.86E-05	7.70E-05	5.03E-06	5.71E-05	8.37E-05	5.65E-06	5.70E-05	9.21E-05	5.46E-06	5.75E-05	8.78E-05	4.99E-06	5.45E-05	8.51E-05
52	8.46E-06	8.89E-05	1.27E-04	6.10E-06	6.30E-05	9.60E-05	4.64E-06	4.85E-05	7.69E-05	4.97E-06	5.68E-05	8.32E-05	5.65E-06	5.67E-05	9.16E-05	5.42E-06	5.73E-05	8.77E-05	4.98E-06	5.44E-05	8.51E-05
53	8.44E-06	8.80E-05	1.25E-04	6.10E-06	6.23E-05	9.55E-05	4.64E-06	4.81E-05	7.67E-05	4.96E-06	5.66E-05	8.26E-05	5.65E-06	5.67E-05	9.16E-05	5.40E-06	5.67E-05	8.72E-05	4.90E-06	5.42E-05	8.45E-05
54	8.31E-06	8.71E-05	1.25E-04	6.06E-06	6.22E-05	9.49E-05	4.61E-06	4.76E-05	7.64E-05	4.92E-06	5.55E-05	8.23E-05	5.63E-06	5.67E-05	9.15E-05	5.39E-06	5.64E-05	8.69E-05	4.87E-06	5.36E-05	8.38E-05
55	8.30E-06	8.65E-05	1.25E-04	6.06E-06	6.20E-05	9.45E-05	4.60E-06	4.76E-05	7.61E-05	4.92E-06	5.51E-05	8.23E-05	5.61E-06	5.66E-05	9.07E-05	5.39E-06	5.58E-05	8.65E-05	4.86E-06	5.35E-05	8.17E-05
56	8.26E-06	8.61E-05	1.25E-04	6.05E-06	6.17E-05	9.42E-05	4.58E-06	4.75E-05	7.60E-05	4.90E-06	5.39E-05	8.22E-05	5.52E-06	5.59E-05	9.00E-05	5.37E-06	5.54E-05	8.63E-05	4.85E-06	5.23E-05	8.16E-05
57	8.22E-06	8.51E-05	1.25E-04	5.89E-06	6.15E-05	9.41E-05	4.56E-06	4.74E-05	7.60E-05	4.88E-06	5.39E-05	8.18E-05	5.50E-06	5.55E-05	8.96E-05	5.29E-06	5.53E-05	8.57E-05	4.73E-06	5.21E-05	8.01E-05
58	8.06E-06	8.43E-05	1.25E-04	5.71E-06	6.11E-05	9.40E-05	4.51E-06	4.73E-05	7.58E-05	4.86E-06	5.39E-05	8.14E-05	5.50E-06	5.55E-05	8.94E-05	5.26E-06	5.47E-05	8.52E-05	4.73E-06	5.18E-05	7.99E-05
59	8.03E-06	8.39E-05	1.25E-04	5.66E-06	6.09E-05	9.40E-05	4.49E-06	4.69E-05	7.55E-05	4.80E-06	5.37E-05	8.13E-05	5.43E-06	5.52E-05	8.92E-05	5.20E-06	5.45E-05	8.50E-05	4.70E-06	5.15E-05	7.92E-05
60	7.79E-06	8.22E-05	1.22E-04	5.58E-06	6.09E-05	9.26E-05	4.46E-06	4.63E-05	7.32E-05	4.77E-06	5.31E-05	7.94E-05	5.37E-06	5.49E-05	8.90E-05	5.18E-06	5.45E-05	8.47E-05	4.69E-06	5.15E-05	7.85E-05
61	7.70E-06	8.18E-05	1.22E-04	5.57E-06	5.96E-05	9.25E-05	4.45E-06	4.56E-05	7.32E-05	4.76E-06	5.27E-05	7.81E-05	5.35E-06	5.48E-05	8.89E-05	5.16E-06	5.31E-05	8.28E-05	4.67E-06	5.14E-05	7.70E-05
62	7.61E-06	8.06E-05	1.20E-04	5.56E-06	5.92E-05	9.23E-05	4.44E-06	4.55E-05	7.03E-05	4.72E-06	5.25E-05	7.81E-05	5.34E-06	5.46E-05	8.81E-05	5.16E-06	5.31E-05	8.24E-05	4.58E-06	5.12E-05	7.68E-05
63	7.61E-06	8.04E-05	1.19E-04	5.53E-06	5.90E-05	9.09E-05	4.44E-06	4.52E-05	7.00E-05	4.72E-06	5.23E-05	7.53E-05	5.33E-06	5.45E-05	8.73E-05	5.15E-06	5.23E-05	8.21E-05	4.57E-06	5.01E-05	7.66E-05
64	7.50E-06	8.03E-05	1.18E-04	5.51E-06	5.89E-05	9.07E-05	4.37E-06	4.49E-05	6.97E-05	4.71E-06	5.18E-05	7.53E-05	5.31E-06	5.40E-05	8.72E-05	5.13E-06	5.23E-05	8.16E-05	4.57E-06	5.01E-05	7.64E-05
65	7.48E-06	7.97E-05	1.17E-04	5.51E-06	5.79E-05	9.04E-05	4.35E-06	4.49E-05	6.93E-05	4.68E-06	5.18E-05	7.49E-05	5.29E-06	5.39E-05	8.71E-05	5.10E-06	5.19E-05	8.16E-05	4.57E-06	4.97E-05	7.60E-05
66	7.43E-06	7.87E-05	1.16E-04	5.46E-06	5.68E-05	9.04E-05	4.34E-06	4.47E-05	6.90E-05	4.65E-06	5.04E-05	7.48E-05	5.28E-06	5.37E-05	8.56E-05	5.08E-06	5.15E-05	8.07E-05	4.55E-06	4.93E-05	7.56E-05
67	7.39E-06	7.73E-05	1.16E-04	5.42E-06	5.65E-05	9.02E-05	4.34E-06	4.45E-05	6.83E-05	4.65E-06	5.03E-05	7.35E-05	5.25E-06	5.36E-05	8.51						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
102	5.88E-06	6.16E-05	9.57E-05	4.80E-06	4.87E-05	7.59E-05	3.67E-06	3.56E-05	5.82E-05	4.06E-06	4.31E-05	6.46E-05	4.44E-06	4.54E-05	7.20E-05	4.37E-06	4.54E-05	6.93E-05	3.94E-06	3.98E-05	6.38E-05
103	5.81E-06	6.14E-05	9.56E-05	4.77E-06	4.86E-05	7.53E-05	3.66E-06	3.51E-05	5.81E-05	4.03E-06	4.31E-05	6.45E-05	4.44E-06	4.53E-05	7.16E-05	4.32E-06	4.51E-05	6.92E-05	3.94E-06	3.97E-05	6.36E-05
104	5.80E-06	6.13E-05	9.56E-05	4.76E-06	4.85E-05	7.52E-05	3.60E-06	3.50E-05	5.79E-05	4.02E-06	4.30E-05	6.44E-05	4.42E-06	4.50E-05	7.13E-05	4.31E-06	4.50E-05	6.90E-05	3.94E-06	3.96E-05	6.32E-05
105	5.79E-06	6.08E-05	9.56E-05	4.74E-06	4.82E-05	7.46E-05	3.59E-06	3.50E-05	5.77E-05	4.02E-06	4.27E-05	6.41E-05	4.41E-06	4.47E-05	7.13E-05	4.26E-06	4.50E-05	6.85E-05	3.92E-06	3.96E-05	6.31E-05
106	5.75E-06	6.03E-05	9.54E-05	4.72E-06	4.78E-05	7.45E-05	3.58E-06	3.49E-05	5.74E-05	3.97E-06	4.24E-05	6.39E-05	4.41E-06	4.46E-05	7.11E-05	4.26E-06	4.46E-05	6.85E-05	3.89E-06	3.95E-05	6.28E-05
107	5.72E-06	6.00E-05	9.51E-05	4.70E-06	4.70E-05	7.42E-05	3.58E-06	3.49E-05	5.71E-05	3.96E-06	4.18E-05	6.37E-05	4.40E-06	4.45E-05	7.07E-05	4.25E-06	4.40E-05	6.77E-05	3.89E-06	3.94E-05	6.26E-05
108	5.66E-06	6.00E-05	9.48E-05	4.65E-06	4.66E-05	7.40E-05	3.54E-06	3.45E-05	5.63E-05	3.94E-06	4.14E-05	6.36E-05	4.40E-06	4.39E-05	7.05E-05	4.24E-06	4.36E-05	6.69E-05	3.82E-06	3.93E-05	6.22E-05
109	5.66E-06	5.92E-05	9.48E-05	4.65E-06	4.65E-05	7.40E-05	3.54E-06	3.44E-05	5.62E-05	3.94E-06	4.10E-05	6.34E-05	4.36E-06	4.38E-05	7.01E-05	4.22E-06	4.34E-05	6.68E-05	3.80E-06	3.88E-05	6.20E-05
110	5.63E-06	5.87E-05	9.47E-05	4.64E-06	4.64E-05	7.39E-05	3.53E-06	3.39E-05	5.59E-05	3.89E-06	4.09E-05	6.27E-05	4.33E-06	4.38E-05	7.01E-05	4.20E-06	4.33E-05	6.67E-05	3.80E-06	3.87E-05	6.17E-05
111	5.60E-06	5.87E-05	9.41E-05	4.63E-06	4.62E-05	7.38E-05	3.53E-06	3.38E-05	5.59E-05	3.88E-06	4.07E-05	6.26E-05	4.32E-06	4.36E-05	6.97E-05	4.18E-06	4.33E-05	6.64E-05	3.79E-06	3.86E-05	6.15E-05
112	5.60E-06	5.85E-05	9.38E-05	4.62E-06	4.56E-05	7.36E-05	3.50E-06	3.37E-05	5.58E-05	3.87E-06	4.07E-05	6.26E-05	4.29E-06	4.36E-05	6.94E-05	4.17E-06	4.33E-05	6.62E-05	3.79E-06	3.85E-05	6.15E-05
113	5.60E-06	5.75E-05	9.35E-05	4.61E-06	4.55E-05	7.36E-05	3.49E-06	3.36E-05	5.56E-05	3.85E-06	4.03E-05	6.21E-05	4.28E-06	4.33E-05	6.94E-05	4.17E-06	4.31E-05	6.60E-05	3.78E-06	3.82E-05	6.14E-05
114	5.59E-06	5.70E-05	9.34E-05	4.56E-06	4.54E-05	7.36E-05	3.47E-06	3.36E-05	5.55E-05	3.85E-06	3.98E-05	6.17E-05	4.26E-06	4.32E-05	6.91E-05	4.14E-06	4.30E-05	6.57E-05	3.78E-06	3.82E-05	6.12E-05
115	5.59E-06	5.63E-05	9.28E-05	4.55E-06	4.54E-05	7.28E-05	3.47E-06	3.36E-05	5.55E-05	3.83E-06	3.98E-05	6.15E-05	4.26E-06	4.32E-05	6.89E-05	4.12E-06	4.30E-05	6.57E-05	3.76E-06	3.80E-05	6.12E-05
116	5.58E-06	5.63E-05	9.18E-05	4.54E-06	4.53E-05	7.27E-05	3.46E-06	3.36E-05	5.54E-05	3.83E-06	3.98E-05	6.11E-05	4.22E-06	4.28E-05	6.86E-05	4.12E-06	4.25E-05	6.54E-05	3.75E-06	3.79E-05	6.10E-05
117	5.56E-06	5.62E-05	9.16E-05	4.53E-06	4.52E-05	7.27E-05	3.44E-06	3.34E-05	5.53E-05	3.81E-06	3.96E-05	6.09E-05	4.21E-06	4.24E-05	6.85E-05	4.11E-06	4.24E-05	6.54E-05	3.74E-06	3.77E-05	6.10E-05
118	5.55E-06	5.60E-05	9.12E-05	4.53E-06	4.52E-05	7.25E-05	3.44E-06	3.34E-05	5.51E-05	3.80E-06	3.94E-05	6.06E-05	4.20E-06	4.24E-05	6.82E-05	4.09E-06	4.24E-05	6.51E-05	3.73E-06	3.75E-05	6.09E-05
119	5.48E-06	5.58E-05	9.10E-05	4.48E-06	4.50E-05	7.24E-05	3.43E-06	3.34E-05	5.51E-05	3.79E-06	3.94E-05	6.06E-05	4.16E-06	4.23E-05	6.79E-05	4.08E-06	4.21E-05	6.50E-05	3.70E-06	3.73E-05	6.01E-05
120	5.46E-06	5.56E-05	9.10E-05	4.47E-06	4.48E-05	7.24E-05	3.42E-06	3.34E-05	5.48E-05	3.79E-06	3.93E-05	6.05E-05	4.12E-06	4.19E-05	6.77E-05	4.07E-06	4.21E-05	6.44E-05	3.70E-06	3.70E-05	5.95E-05
121	5.46E-06	5.54E-05	9.04E-05	4.45E-06	4.44E-05	7.23E-05	3.40E-06	3.33E-05	5.48E-05	3.79E-06	3.92E-05	6.04E-05	4.10E-06	4.18E-05	6.76E-05	4.06E-06	4.20E-05	6.43E-05	3.68E-06	3.70E-05	5.92E-05
122	5.43E-06	5.52E-05	9.02E-05	4.45E-06	4.44E-05	7.22E-05	3.39E-06	3.33E-05	5.46E-05	3.78E-06	3.90E-05	6.03E-05	4.10E-06	4.17E-05	6.75E-05	4.03E-06	4.18E-05	6.43E-05	3.67E-06	3.70E-05	5.88E-05
123	5.40E-06	5.51E-05	8.98E-05	4.45E-06	4.39E-05	7.21E-05	3.36E-06	3.32E-05	5.46E-05	3.76E-06	3.89E-05	6.02E-05	4.06E-06	4.17E-05	6.72E-05	4.01E-06	4.12E-05	6.41E-05	3.66E-06	3.68E-05	5.86E-05
124	5.40E-06	5.51E-05	8.97E-05	4.42E-06	4.39E-05	7.21E-05	3.36E-06	3.32E-05	5.44E-05	3.75E-06	3.89E-05	6.01E-05	4.05E-06	4.17E-05	6.71E-05	3.99E-06	4.12E-05	6.39E-05	3.66E-06	3.67E-05	5.82E-05
125	5.36E-06	5.50E-05	8.97E-05	4.41E-06	4.34E-05	7.18E-05	3.35E-06	3.31E-05	5.44E-05	3.75E-06	3.87E-05	5.99E-05	4.05E-06	4.15E-05	6.63E-05	3.99E-06	4.12E-05	6.34E-05	3.65E-06	3.66E-05	5.81E-05
126	5.35E-06	5.45E-05	8.94E-05	4.37E-06	4.32E-05	7.11E-05	3.34E-06	3.28E-05	5.42E-05	3.73E-06	3.85E-05	5.96E-05	4.03E-06	4.13E-05	6.57E-05	3.99E-06	4.11E-05	6.30E-05	3.65E-06	3.65E-05	5.81E-05
127	5.31E-06	5.41E-05	8.92E-05	4.37E-06	4.32E-05	7.10E-05	3.34E-06	3.27E-05	5.40E-05	3.72E-06	3.83E-05	5.96E-05	4.02E-06	4.10E-05	6.56E-05	3.93E-06	4.07E-05	6.29E-05	3.62E-06	3.62E-05	5.80E-05
128	5.31E-06	5.40E-05	8.89E-05	4.36E-06	4.31E-05	7.10E-05	3.33E-06	3.27E-05	5.39E-05	3.71E-06	3.83E-05	5.96E-05	4.00E-06	4.10E-05	6.52E-05	3.92E-06	4.07E-05	6.27E-05	3.62E-06	3.61E-05	5.80E-05
129	5.29E-06	5.37E-05	8.89E-05	4.36E-06	4.31E-05	7.09E-05	3.33E-06	3.26E-05	5.38E-05	3.71E-06	3.82E-05	5.94E-05	3.98E-06	4.09E-05	6.49E-05	3.92E-06	4.06E-05	6.26E-05	3.60E-06	3.61E-05	5.79E-05
130	5.27E-06	5.36E-05	8.86E-05	4.34E-06	4.30E-05	7.07E-05	3.31E-06	3.26E-05	5.37E-05	3.71E-06	3.78E-05	5.87E-05	3.97E-06	4.08E-05	6.47E-05	3.91E-06	4.06E-05	6.25E-05	3.59E-06	3.60E-05	5.79E-05
131	5.24E-06	5.33E-05	8.82E-05	4.33E-06	4.29E-05	7.05E-05	3.31E-06	3.25E-05	5.34E-05	3.69E-06	3.78E-05	5.86E-05	3.96E-06	4.07E-05	6.47E-05	3.91E-06	4.04E-05	6.16E-05	3.59E-06	3.60E-05	5.79E-05
132	5.20E-06	5.32E-05	8.78E-05	4.32E-06	4.28E-05	7.03E-05	3.30E-06	3.23E-05	5.34E-05	3.67E-06	3.77E-05	5.83E-05	3.95E-06	4.06E-05	6.44E-05	3.91E-06	4.03E-05	6.15E-05	3.59E-06	3.59E-05	5.77E-05
133	5.20E-06	5.32E-05	8.71E-05	4.32E-06	4.23E-05	7.02E-05	3.30E-06	3.23E-05	5.34E-05	3.66E-06	3.76E-05	5.83E-05	3.95E-06	4.06E-05	6.42E-05	3.90E-06	3.99E-05	6.13E-05	3.58E-06	3.59E-05	5.75E-05
134	5.18E-06	5.30E-05	8.67E-05	4.31E-06	4.22E-05	7.01E-05	3.29E-06	3.22E-05	5.32E-05	3.66E-06	3.76E-05	5.81E-05	3.95E-06	4.02E-05	6.40E-05	3.89E-06	3.99E-05	6.11E-05	3.58E-06	3.55E-05	5.74E-05
135	5.17E-06	5.25E-05	8.65E-05	4.31E-06	4.19E-05	7.01E-05	3.29E-06	3.21E-05	5.31E-05	3.66E-06	3.75E-05	5.80E-05	3.93E-06	4.00E-05	6.39E-05	3.89E-06	3.99E-05	6.11E-05	3.57E-06	3.55E-05	5.73E-05
136	5.17E-06	5.20E-05	8.63E-05	4.28E-06	4.18E-05	6.99E-05	3.28E-06	3.21E-05	5.26E-05	3.66E-06	3.72E-05	5.72E-05	3.93E-06	3.98E-05	6.39E-05	3.88E-06	3.93E-05	6.10E-05	3.56E-06	3.54E-05	5.69E-05
137	5.17E-06	5.16E-05	8.61E-05	4.26E-06	4.15E-05	6.96E-05	3.27E-06	3.19E-05	5.25E-05	3.65E-06	3.70E-05	5.70E-05	3.93E-06	3.96E-05	6.38E-05	3.88E-06	3.90E-05	6.10E-05	3.55E-06	3.52E-05	5.68E-05
138	5.17E-06	5.14E-05	8.61E-05	4.24E-06	4.14E-05	6.94E-05	3.25E-06	3.18E-05	5.24E-05	3.65E-06	3.70E-05	5.70E-05	3.91E-06	3.94E-05	6.38E-05	3.82E-06	3.88E-05	6.10E-05	3.53E-06	3.52E-05	5.63E-05
139	5.13E-06	5.12E-05	8.51E-05	4.24E-06	4.14E-05	6.94E-05	3.22E-06	3.18E-05	5.23E-05	3.65E-06	3.65E-05	5.68E-05	3.91E-06	3.93E-05	6.34E-05	3.81E-06	3.87E-05	6.09E-05	3.53E-06	3.50E-05	5.62E-05
140	5.09E-06	5.12E-05	8.48E-05	4.23E-06	4.14E-05	6.85E-05	3.19E-06	3.16E-05	5.20E-05	3.64E-06	3.64E-05	5.66E-05	3.88E-06	3.93E-05	6.28E-05	3.81E-06	3.87E-05	6.09E-05	3.53E-06	3.50E-05	5.62E-05
141	5.04E-06	5.07E-05	8.48E-05	4.23E-06	4.14E-05	6.82E-05	3.19E-06	3.15E-05	5.20E-05	3.63E-06	3.64E-05	5.61E-05	3.86E-06	3.93E-05	6.27E-05	3.78E-06	3.87E-05	6.08E-05	3.52E-06	3.50E-05	5.60E-05
142	5.01E-06	5.06E-05	8.44E-05	4.21E-06	4.13E-05	6.81E-05	3.18E-06	3.14E-05	5.19E-05	3.62E-06	3.62E-05	5.58E-05	3.86E-06	3.92E-05	6.26E-05	3.77E-06	3.86E-05	6.05E-05	3.52E-06	3.50E-05	5.60E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
164	4.72E-06	4.74E-05	7.71E-05	3.99E-06	3.88E-05	6.35E-05	2.95E-06	2.94E-05	4.86E-05	3.39E-06	3.45E-05	5.28E-05	3.66E-06	3.71E-05	6.01E-05	3.59E-06	3.63E-05	5.69E-05	3.38E-06	3.25E-05	5.34E-05
165	4.70E-06	4.73E-05	7.69E-05	3.98E-06	3.87E-05	6.34E-05	2.93E-06	2.93E-05	4.78E-05	3.38E-06	3.45E-05	5.27E-05	3.65E-06	3.71E-05	6.01E-05	3.59E-06	3.63E-05	5.69E-05	3.37E-06	3.24E-05	5.31E-05
166	4.69E-06	4.73E-05	7.69E-05	3.98E-06	3.86E-05	6.31E-05	2.92E-06	2.93E-05	4.76E-05	3.37E-06	3.43E-05	5.26E-05	3.64E-06	3.71E-05	6.00E-05	3.59E-06	3.60E-05	5.69E-05	3.37E-06	3.23E-05	5.31E-05
167	4.65E-06	4.71E-05	7.67E-05	3.98E-06	3.85E-05	6.31E-05	2.92E-06	2.93E-05	4.76E-05	3.36E-06	3.42E-05	5.25E-05	3.61E-06	3.71E-05	5.97E-05	3.59E-06	3.58E-05	5.67E-05	3.36E-06	3.22E-05	5.27E-05
168	4.65E-06	4.68E-05	7.64E-05	3.97E-06	3.84E-05	6.24E-05	2.91E-06	2.92E-05	4.75E-05	3.35E-06	3.42E-05	5.25E-05	3.60E-06	3.68E-05	5.94E-05	3.58E-06	3.58E-05	5.67E-05	3.34E-06	3.21E-05	5.27E-05
169	4.65E-06	4.67E-05	7.63E-05	3.95E-06	3.81E-05	6.22E-05	2.91E-06	2.92E-05	4.75E-05	3.34E-06	3.42E-05	5.23E-05	3.57E-06	3.64E-05	5.92E-05	3.58E-06	3.57E-05	5.64E-05	3.33E-06	3.21E-05	5.25E-05
170	4.63E-06	4.67E-05	7.61E-05	3.94E-06	3.81E-05	6.21E-05	2.90E-06	2.92E-05	4.74E-05	3.33E-06	3.37E-05	5.22E-05	3.55E-06	3.63E-05	5.92E-05	3.55E-06	3.54E-05	5.64E-05	3.32E-06	3.20E-05	5.25E-05
171	4.61E-06	4.67E-05	7.60E-05	3.89E-06	3.80E-05	6.20E-05	2.89E-06	2.90E-05	4.71E-05	3.33E-06	3.37E-05	5.21E-05	3.54E-06	3.62E-05	5.91E-05	3.55E-06	3.53E-05	5.63E-05	3.32E-06	3.20E-05	5.24E-05
172	4.61E-06	4.67E-05	7.59E-05	3.88E-06	3.79E-05	6.20E-05	2.88E-06	2.89E-05	4.69E-05	3.32E-06	3.37E-05	5.18E-05	3.54E-06	3.60E-05	5.89E-05	3.54E-06	3.53E-05	5.62E-05	3.32E-06	3.19E-05	5.23E-05
173	4.59E-06	4.66E-05	7.58E-05	3.88E-06	3.79E-05	6.20E-05	2.87E-06	2.89E-05	4.69E-05	3.31E-06	3.35E-05	5.18E-05	3.53E-06	3.59E-05	5.89E-05	3.50E-06	3.53E-05	5.61E-05	3.32E-06	3.18E-05	5.21E-05
174	4.59E-06	4.65E-05	7.57E-05	3.87E-06	3.79E-05	6.19E-05	2.86E-06	2.89E-05	4.68E-05	3.30E-06	3.30E-05	5.16E-05	3.52E-06	3.58E-05	5.85E-05	3.47E-06	3.53E-05	5.61E-05	3.29E-06	3.17E-05	5.21E-05
175	4.58E-06	4.65E-05	7.54E-05	3.87E-06	3.79E-05	6.15E-05	2.86E-06	2.85E-05	4.67E-05	3.30E-06	3.29E-05	5.15E-05	3.52E-06	3.57E-05	5.83E-05	3.47E-06	3.51E-05	5.60E-05	3.27E-06	3.17E-05	5.18E-05
176	4.56E-06	4.64E-05	7.53E-05	3.84E-06	3.76E-05	6.14E-05	2.85E-06	2.84E-05	4.66E-05	3.28E-06	3.28E-05	5.13E-05	3.51E-06	3.57E-05	5.81E-05	3.46E-06	3.50E-05	5.58E-05	3.26E-06	3.16E-05	5.18E-05
177	4.55E-06	4.63E-05	7.50E-05	3.84E-06	3.75E-05	6.13E-05	2.84E-06	2.83E-05	4.66E-05	3.27E-06	3.26E-05	5.13E-05	3.51E-06	3.55E-05	5.81E-05	3.46E-06	3.50E-05	5.57E-05	3.26E-06	3.16E-05	5.17E-05
178	4.55E-06	4.61E-05	7.50E-05	3.84E-06	3.73E-05	6.12E-05	2.82E-06	2.83E-05	4.66E-05	3.27E-06	3.26E-05	5.10E-05	3.50E-06	3.55E-05	5.80E-05	3.42E-06	3.50E-05	5.55E-05	3.25E-06	3.14E-05	5.14E-05
179	4.54E-06	4.60E-05	7.50E-05	3.84E-06	3.72E-05	6.12E-05	2.82E-06	2.81E-05	4.63E-05	3.26E-06	3.25E-05	5.10E-05	3.50E-06	3.53E-05	5.80E-05	3.42E-06	3.49E-05	5.55E-05	3.25E-06	3.13E-05	5.12E-05
180	4.53E-06	4.55E-05	7.49E-05	3.84E-06	3.69E-05	6.11E-05	2.81E-06	2.81E-05	4.62E-05	3.25E-06	3.25E-05	5.10E-05	3.47E-06	3.49E-05	5.79E-05	3.41E-06	3.49E-05	5.53E-05	3.23E-06	3.13E-05	5.12E-05
181	4.53E-06	4.54E-05	7.45E-05	3.81E-06	3.68E-05	6.11E-05	2.81E-06	2.80E-05	4.60E-05	3.24E-06	3.25E-05	5.08E-05	3.46E-06	3.49E-05	5.79E-05	3.41E-06	3.48E-05	5.53E-05	3.21E-06	3.13E-05	5.11E-05
182	4.53E-06	4.53E-05	7.45E-05	3.80E-06	3.68E-05	6.09E-05	2.80E-06	2.79E-05	4.56E-05	3.23E-06	3.25E-05	5.07E-05	3.46E-06	3.48E-05	5.75E-05	3.41E-06	3.48E-05	5.52E-05	3.21E-06	3.11E-05	5.08E-05
183	4.53E-06	4.52E-05	7.44E-05	3.80E-06	3.68E-05	6.05E-05	2.79E-06	2.78E-05	4.55E-05	3.22E-06	3.23E-05	5.06E-05	3.44E-06	3.48E-05	5.74E-05	3.41E-06	3.47E-05	5.51E-05	3.21E-06	3.10E-05	5.07E-05
184	4.51E-06	4.51E-05	7.42E-05	3.77E-06	3.66E-05	6.04E-05	2.77E-06	2.78E-05	4.55E-05	3.22E-06	3.23E-05	5.05E-05	3.42E-06	3.45E-05	5.72E-05	3.41E-06	3.46E-05	5.51E-05	3.19E-06	3.09E-05	5.07E-05
185	4.50E-06	4.48E-05	7.41E-05	3.77E-06	3.66E-05	6.03E-05	2.76E-06	2.77E-05	4.51E-05	3.22E-06	3.22E-05	5.05E-05	3.42E-06	3.45E-05	5.72E-05	3.40E-06	3.46E-05	5.49E-05	3.19E-06	3.08E-05	5.05E-05
186	4.50E-06	4.46E-05	7.38E-05	3.77E-06	3.66E-05	6.02E-05	2.75E-06	2.77E-05	4.49E-05	3.22E-06	3.22E-05	5.03E-05	3.42E-06	3.45E-05	5.71E-05	3.40E-06	3.45E-05	5.45E-05	3.18E-06	3.08E-05	5.03E-05
187	4.48E-06	4.46E-05	7.35E-05	3.75E-06	3.66E-05	6.00E-05	2.75E-06	2.77E-05	4.49E-05	3.21E-06	3.22E-05	5.03E-05	3.42E-06	3.44E-05	5.70E-05	3.40E-06	3.45E-05	5.44E-05	3.18E-06	3.07E-05	5.03E-05
188	4.44E-06	4.46E-05	7.34E-05	3.75E-06	3.63E-05	5.96E-05	2.75E-06	2.75E-05	4.49E-05	3.19E-06	3.22E-05	5.03E-05	3.41E-06	3.44E-05	5.69E-05	3.40E-06	3.44E-05	5.42E-05	3.18E-06	3.07E-05	5.02E-05
189	4.44E-06	4.46E-05	7.29E-05	3.72E-06	3.63E-05	5.96E-05	2.74E-06	2.75E-05	4.49E-05	3.18E-06	3.21E-05	5.01E-05	3.41E-06	3.43E-05	5.69E-05	3.38E-06	3.42E-05	5.41E-05	3.17E-06	3.06E-05	5.02E-05
190	4.43E-06	4.45E-05	7.28E-05	3.71E-06	3.63E-05	5.95E-05	2.73E-06	2.74E-05	4.48E-05	3.17E-06	3.19E-05	5.00E-05	3.39E-06	3.43E-05	5.67E-05	3.38E-06	3.41E-05	5.41E-05	3.16E-06	3.05E-05	5.01E-05
191	4.43E-06	4.43E-05	7.28E-05	3.70E-06	3.62E-05	5.92E-05	2.71E-06	2.74E-05	4.47E-05	3.17E-06	3.17E-05	5.00E-05	3.39E-06	3.41E-05	5.67E-05	3.38E-06	3.40E-05	5.40E-05	3.16E-06	3.04E-05	5.00E-05
192	4.43E-06	4.42E-05	7.24E-05	3.70E-06	3.61E-05	5.92E-05	2.71E-06	2.72E-05	4.46E-05	3.17E-06	3.16E-05	5.00E-05	3.38E-06	3.41E-05	5.67E-05	3.38E-06	3.36E-05	5.40E-05	3.16E-06	3.02E-05	4.97E-05
193	4.41E-06	4.42E-05	7.20E-05	3.69E-06	3.61E-05	5.91E-05	2.71E-06	2.71E-05	4.45E-05	3.16E-06	3.16E-05	4.99E-05	3.37E-06	3.40E-05	5.63E-05	3.38E-06	3.36E-05	5.40E-05	3.15E-06	3.01E-05	4.95E-05
194	4.41E-06	4.42E-05	7.18E-05	3.66E-06	3.61E-05	5.90E-05	2.70E-06	2.69E-05	4.44E-05	3.15E-06	3.16E-05	4.99E-05	3.37E-06	3.40E-05	5.61E-05	3.37E-06	3.35E-05	5.39E-05	3.14E-06	3.01E-05	4.93E-05
195	4.41E-06	4.33E-05	7.18E-05	3.66E-06	3.60E-05	5.90E-05	2.70E-06	2.68E-05	4.44E-05	3.15E-06	3.15E-05	4.98E-05	3.36E-06	3.40E-05	5.60E-05	3.36E-06	3.35E-05	5.36E-05	3.13E-06	2.98E-05	4.93E-05
196	4.40E-06	4.32E-05	7.14E-05	3.65E-06	3.59E-05	5.87E-05	2.69E-06	2.67E-05	4.44E-05	3.14E-06	3.15E-05	4.96E-05	3.36E-06	3.40E-05	5.59E-05	3.36E-06	3.35E-05	5.34E-05	3.13E-06	2.98E-05	4.92E-05
197	4.39E-06	4.32E-05	7.14E-05	3.65E-06	3.59E-05	5.82E-05	2.69E-06	2.67E-05	4.43E-05	3.14E-06	3.14E-05	4.96E-05	3.35E-06	3.40E-05	5.58E-05	3.35E-06	3.35E-05	5.33E-05	3.12E-06	2.94E-05	4.90E-05
198	4.38E-06	4.27E-05	7.11E-05	3.64E-06	3.58E-05	5.82E-05	2.69E-06	2.66E-05	4.38E-05	3.13E-06	3.13E-05	4.96E-05	3.35E-06	3.38E-05	5.58E-05	3.34E-06	3.34E-05	5.33E-05	3.12E-06	2.94E-05	4.87E-05
199	4.38E-06	4.27E-05	7.07E-05	3.63E-06	3.58E-05	5.81E-05	2.67E-06	2.65E-05	4.38E-05	3.13E-06	3.12E-05	4.96E-05	3.34E-06	3.38E-05	5.56E-05	3.33E-06	3.33E-05	5.33E-05	3.11E-06	2.94E-05	4.85E-05
200	4.37E-06	4.26E-05	7.06E-05	3.63E-06	3.58E-05	5.79E-05	2.67E-06	2.64E-05	4.37E-05	3.12E-06	3.12E-05	4.95E-05	3.34E-06	3.37E-05	5.54E-05	3.32E-06	3.32E-05	5.32E-05	3.08E-06	2.93E-05	4.85E-05
201	4.37E-06	4.25E-05	7.06E-05	3.62E-06	3.57E-05	5.74E-05	2.67E-06	2.64E-05	4.37E-05	3.11E-06	3.11E-05	4.93E-05	3.33E-06	3.35E-05	5.52E-05	3.31E-06	3.32E-05	5.31E-05	3.06E-06	2.93E-05	4.85E-05
202	4.36E-06	4.24E-05	7.05E-05	3.61E-06	3.57E-05	5.70E-05	2.66E-06	2.62E-05	4.35E-05	3.11E-06	3.11E-05	4.93E-05	3.33E-06	3.34E-05	5.51E-05	3.31E-06	3.30E-05	5.31E-05	3.05E-06	2.93E-05	4.84E-05
203	4.34E-06	4.24E-05	7.03E-05	3.60E-06	3.56E-05	5.70E-05	2.65E-06	2.62E-05	4.34E-05	3.10E-06	3.11E-05	4.92E-05	3.33E-06	3.33E-05	5.49E-05	3.29E-06	3.29E-05	5.29E-05	3.05E-06	2.92E-05	4.84E-05
204	4.34E-06	4.23E-05	7.01E-05	3.60E-06	3.54E-05	5.70E-05	2.63E-06	2.61E-05	4.33E-05	3.09E-06	3.10E-05	4.92E-05	3.33E-06	3.32E-05	5.49E-05	3.29E-06	3.29E-05	5.23E-05	3.04E-06	2.92E-05	4.84E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
226	4.13E-06	3.98E-05	6.59E-05	3.43E-06	3.37E-05	5.45E-05	2.48E-06	2.48E-05	4.08E-05	2.94E-06	2.99E-05	4.66E-05	3.22E-06	3.14E-05	5.22E-05	3.11E-06	3.17E-05	5.01E-05	2.90E-06	2.79E-05	4.67E-05
227	4.13E-06	3.98E-05	6.56E-05	3.43E-06	3.36E-05	5.43E-05	2.48E-06	2.47E-05	4.08E-05	2.94E-06	2.99E-05	4.64E-05	3.20E-06	3.14E-05	5.21E-05	3.10E-06	3.16E-05	5.01E-05	2.89E-06	2.79E-05	4.67E-05
228	4.13E-06	3.98E-05	6.54E-05	3.42E-06	3.35E-05	5.43E-05	2.47E-06	2.47E-05	4.07E-05	2.93E-06	2.98E-05	4.63E-05	3.20E-06	3.12E-05	5.20E-05	3.10E-06	3.16E-05	5.00E-05	2.89E-06	2.79E-05	4.66E-05
229	4.13E-06	3.96E-05	6.53E-05	3.42E-06	3.35E-05	5.42E-05	2.47E-06	2.47E-05	4.02E-05	2.93E-06	2.97E-05	4.63E-05	3.18E-06	3.12E-05	5.20E-05	3.10E-06	3.16E-05	5.00E-05	2.88E-06	2.79E-05	4.65E-05
230	4.13E-06	3.95E-05	6.52E-05	3.42E-06	3.33E-05	5.42E-05	2.47E-06	2.47E-05	4.02E-05	2.93E-06	2.96E-05	4.61E-05	3.18E-06	3.11E-05	5.20E-05	3.10E-06	3.16E-05	4.98E-05	2.87E-06	2.79E-05	4.64E-05
231	4.09E-06	3.95E-05	6.51E-05	3.41E-06	3.33E-05	5.40E-05	2.47E-06	2.46E-05	4.01E-05	2.93E-06	2.95E-05	4.61E-05	3.17E-06	3.11E-05	5.19E-05	3.09E-06	3.15E-05	4.98E-05	2.86E-06	2.78E-05	4.64E-05
232	4.05E-06	3.95E-05	6.51E-05	3.41E-06	3.32E-05	5.37E-05	2.46E-06	2.45E-05	4.00E-05	2.93E-06	2.94E-05	4.59E-05	3.17E-06	3.10E-05	5.19E-05	3.09E-06	3.15E-05	4.95E-05	2.86E-06	2.78E-05	4.64E-05
233	4.01E-06	3.95E-05	6.50E-05	3.40E-06	3.31E-05	5.35E-05	2.45E-06	2.44E-05	3.98E-05	2.93E-06	2.94E-05	4.59E-05	3.16E-06	3.10E-05	5.17E-05	3.08E-06	3.14E-05	4.95E-05	2.86E-06	2.78E-05	4.64E-05
234	4.01E-06	3.94E-05	6.48E-05	3.39E-06	3.31E-05	5.35E-05	2.45E-06	2.44E-05	3.97E-05	2.92E-06	2.91E-05	4.59E-05	3.16E-06	3.10E-05	5.16E-05	3.07E-06	3.14E-05	4.95E-05	2.85E-06	2.77E-05	4.63E-05
235	4.01E-06	3.93E-05	6.48E-05	3.39E-06	3.31E-05	5.35E-05	2.45E-06	2.43E-05	3.97E-05	2.92E-06	2.90E-05	4.59E-05	3.15E-06	3.09E-05	5.16E-05	3.07E-06	3.14E-05	4.95E-05	2.85E-06	2.76E-05	4.62E-05
236	4.00E-06	3.92E-05	6.46E-05	3.39E-06	3.30E-05	5.35E-05	2.45E-06	2.42E-05	3.97E-05	2.92E-06	2.90E-05	4.56E-05	3.15E-06	3.08E-05	5.15E-05	3.07E-06	3.13E-05	4.95E-05	2.85E-06	2.76E-05	4.59E-05
237	3.99E-06	3.92E-05	6.45E-05	3.39E-06	3.29E-05	5.33E-05	2.44E-06	2.41E-05	3.97E-05	2.91E-06	2.90E-05	4.56E-05	3.15E-06	3.08E-05	5.15E-05	3.07E-06	3.12E-05	4.95E-05	2.83E-06	2.75E-05	4.59E-05
238	3.98E-06	3.90E-05	6.42E-05	3.39E-06	3.28E-05	5.32E-05	2.42E-06	2.40E-05	3.95E-05	2.90E-06	2.88E-05	4.56E-05	3.13E-06	3.08E-05	5.13E-05	3.07E-06	3.11E-05	4.93E-05	2.83E-06	2.75E-05	4.58E-05
239	3.97E-06	3.90E-05	6.41E-05	3.37E-06	3.27E-05	5.32E-05	2.42E-06	2.38E-05	3.95E-05	2.90E-06	2.88E-05	4.54E-05	3.13E-06	3.07E-05	5.13E-05	3.07E-06	3.11E-05	4.92E-05	2.83E-06	2.74E-05	4.57E-05
240	3.96E-06	3.89E-05	6.41E-05	3.37E-06	3.27E-05	5.31E-05	2.41E-06	2.38E-05	3.95E-05	2.88E-06	2.87E-05	4.53E-05	3.13E-06	3.07E-05	5.11E-05	3.07E-06	3.10E-05	4.91E-05	2.83E-06	2.73E-05	4.57E-05
241	3.96E-06	3.88E-05	6.37E-05	3.35E-06	3.27E-05	5.31E-05	2.41E-06	2.38E-05	3.94E-05	2.88E-06	2.87E-05	4.52E-05	3.12E-06	3.07E-05	5.10E-05	3.06E-06	3.10E-05	4.91E-05	2.83E-06	2.73E-05	4.55E-05
242	3.96E-06	3.88E-05	6.37E-05	3.35E-06	3.26E-05	5.31E-05	2.40E-06	2.38E-05	3.93E-05	2.87E-06	2.87E-05	4.52E-05	3.11E-06	3.05E-05	5.10E-05	3.06E-06	3.08E-05	4.91E-05	2.82E-06	2.73E-05	4.55E-05
243	3.93E-06	3.87E-05	6.35E-05	3.35E-06	3.26E-05	5.30E-05	2.39E-06	2.37E-05	3.93E-05	2.87E-06	2.85E-05	4.52E-05	3.10E-06	3.05E-05	5.10E-05	3.06E-06	3.07E-05	4.90E-05	2.82E-06	2.73E-05	4.55E-05
244	3.90E-06	3.86E-05	6.33E-05	3.34E-06	3.25E-05	5.29E-05	2.39E-06	2.36E-05	3.93E-05	2.87E-06	2.85E-05	4.52E-05	3.09E-06	3.04E-05	5.09E-05	3.05E-06	3.07E-05	4.89E-05	2.81E-06	2.72E-05	4.53E-05
245	3.90E-06	3.86E-05	6.32E-05	3.34E-06	3.25E-05	5.29E-05	2.38E-06	2.35E-05	3.92E-05	2.86E-06	2.85E-05	4.51E-05	3.09E-06	3.04E-05	5.09E-05	3.05E-06	3.07E-05	4.89E-05	2.81E-06	2.71E-05	4.52E-05
246	3.90E-06	3.85E-05	6.31E-05	3.33E-06	3.24E-05	5.29E-05	2.38E-06	2.34E-05	3.90E-05	2.85E-06	2.84E-05	4.51E-05	3.09E-06	3.03E-05	5.08E-05	3.04E-06	3.06E-05	4.88E-05	2.80E-06	2.70E-05	4.52E-05
247	3.88E-06	3.85E-05	6.30E-05	3.33E-06	3.24E-05	5.27E-05	2.38E-06	2.34E-05	3.89E-05	2.85E-06	2.83E-05	4.49E-05	3.09E-06	3.02E-05	5.08E-05	3.04E-06	3.06E-05	4.87E-05	2.80E-06	2.70E-05	4.51E-05
248	3.87E-06	3.84E-05	6.30E-05	3.31E-06	3.24E-05	5.27E-05	2.37E-06	2.33E-05	3.89E-05	2.85E-06	2.83E-05	4.49E-05	3.08E-06	3.01E-05	5.08E-05	3.04E-06	3.06E-05	4.86E-05	2.79E-06	2.69E-05	4.50E-05
249	3.86E-06	3.83E-05	6.29E-05	3.31E-06	3.23E-05	5.25E-05	2.36E-06	2.32E-05	3.87E-05	2.84E-06	2.82E-05	4.49E-05	3.08E-06	3.01E-05	5.08E-05	3.03E-06	3.04E-05	4.85E-05	2.79E-06	2.68E-05	4.49E-05
250	3.86E-06	3.82E-05	6.28E-05	3.30E-06	3.23E-05	5.24E-05	2.36E-06	2.32E-05	3.87E-05	2.83E-06	2.82E-05	4.49E-05	3.07E-06	2.96E-05	5.07E-05	3.03E-06	3.04E-05	4.85E-05	2.79E-06	2.68E-05	4.48E-05
251	3.85E-06	3.80E-05	6.28E-05	3.30E-06	3.21E-05	5.22E-05	2.36E-06	2.32E-05	3.87E-05	2.83E-06	2.81E-05	4.48E-05	3.07E-06	2.96E-05	5.05E-05	3.03E-06	3.03E-05	4.83E-05	2.79E-06	2.68E-05	4.47E-05
252	3.84E-06	3.80E-05	6.28E-05	3.29E-06	3.21E-05	5.22E-05	2.35E-06	2.32E-05	3.87E-05	2.83E-06	2.80E-05	4.45E-05	3.07E-06	2.95E-05	5.04E-05	3.03E-06	3.03E-05	4.82E-05	2.78E-06	2.67E-05	4.47E-05
253	3.81E-06	3.79E-05	6.27E-05	3.29E-06	3.19E-05	5.21E-05	2.35E-06	2.30E-05	3.85E-05	2.83E-06	2.79E-05	4.45E-05	3.07E-06	2.94E-05	5.02E-05	3.02E-06	3.01E-05	4.82E-05	2.77E-06	2.67E-05	4.46E-05
254	3.81E-06	3.79E-05	6.26E-05	3.29E-06	3.19E-05	5.21E-05	2.34E-06	2.30E-05	3.84E-05	2.82E-06	2.78E-05	4.43E-05	3.06E-06	2.94E-05	5.01E-05	3.02E-06	3.01E-05	4.82E-05	2.76E-06	2.67E-05	4.46E-05
255	3.81E-06	3.78E-05	6.26E-05	3.29E-06	3.19E-05	5.20E-05	2.34E-06	2.30E-05	3.84E-05	2.81E-06	2.77E-05	4.42E-05	3.06E-06	2.94E-05	4.98E-05	3.02E-06	3.00E-05	4.81E-05	2.76E-06	2.66E-05	4.45E-05
256	3.81E-06	3.77E-05	6.23E-05	3.28E-06	3.18E-05	5.20E-05	2.34E-06	2.29E-05	3.84E-05	2.81E-06	2.77E-05	4.42E-05	3.04E-06	2.93E-05	4.96E-05	3.01E-06	3.00E-05	4.80E-05	2.76E-06	2.66E-05	4.43E-05
257	3.80E-06	3.75E-05	6.22E-05	3.28E-06	3.18E-05	5.19E-05	2.34E-06	2.29E-05	3.83E-05	2.79E-06	2.76E-05	4.41E-05	3.04E-06	2.92E-05	4.96E-05	3.01E-06	2.99E-05	4.79E-05	2.75E-06	2.66E-05	4.43E-05
258	3.80E-06	3.74E-05	6.16E-05	3.25E-06	3.17E-05	5.16E-05	2.34E-06	2.28E-05	3.83E-05	2.79E-06	2.75E-05	4.40E-05	3.04E-06	2.92E-05	4.96E-05	3.01E-06	2.99E-05	4.79E-05	2.74E-06	2.65E-05	4.43E-05
259	3.80E-06	3.74E-05	6.16E-05	3.23E-06	3.17E-05	5.15E-05	2.33E-06	2.28E-05	3.82E-05	2.78E-06	2.75E-05	4.39E-05	3.02E-06	2.91E-05	4.95E-05	2.99E-06	2.97E-05	4.78E-05	2.74E-06	2.64E-05	4.43E-05
260	3.79E-06	3.73E-05	6.16E-05	3.22E-06	3.17E-05	5.15E-05	2.32E-06	2.28E-05	3.82E-05	2.78E-06	2.75E-05	4.39E-05	3.01E-06	2.90E-05	4.94E-05	2.98E-06	2.96E-05	4.78E-05	2.74E-06	2.64E-05	4.42E-05
261	3.79E-06	3.73E-05	6.15E-05	3.21E-06	3.16E-05	5.14E-05	2.32E-06	2.28E-05	3.81E-05	2.78E-06	2.75E-05	4.38E-05	3.01E-06	2.89E-05	4.93E-05	2.96E-06	2.96E-05	4.78E-05	2.74E-06	2.64E-05	4.42E-05
262	3.77E-06	3.72E-05	6.14E-05	3.20E-06	3.16E-05	5.14E-05	2.32E-06	2.28E-05	3.78E-05	2.78E-06	2.74E-05	4.37E-05	3.01E-06	2.88E-05	4.91E-05	2.95E-06	2.95E-05	4.74E-05	2.74E-06	2.63E-05	4.41E-05
263	3.77E-06	3.72E-05	6.13E-05	3.19E-06	3.14E-05	5.14E-05	2.32E-06	2.28E-05	3.75E-05	2.77E-06	2.74E-05	4.36E-05	3.01E-06	2.87E-05	4.90E-05	2.93E-06	2.95E-05	4.74E-05	2.73E-06	2.63E-05	4.41E-05
264	3.76E-06	3.71E-05	6.11E-05	3.19E-06	3.14E-05	5.12E-05	2.32E-06	2.28E-05	3.75E-05	2.77E-06	2.74E-05	4.34E-05	3.00E-06	2.87E-05	4.88E-05	2.93E-06	2.94E-05	4.74E-05	2.73E-06	2.62E-05	4.40E-05
265	3.74E-06	3.69E-05	6.08E-05	3.19E-06	3.14E-05	5.12E-05	2.32E-06	2.28E-05	3.75E-05	2.77E-06	2.73E-05	4.34E-05	2.99E-06	2.86E-05	4.87E-05	2.93E-06	2.94E-05	4.74E-05	2.73E-06	2.62E-05	4.40E-05
266	3.72E-06	3.69E-05	6.08E-05	3.18E-06	3.14E-05	5.11E-05	2.31E-06	2.27E-05	3.74E-05	2.77E-06	2.73E-05	4.34E-05	2.99E-06	2.85E-05	4.87E-05	2.93E-06	2.93E-05	4.73E-05	2.73E-06	2.61E-05	4.38E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
288	3.60E-06	3.51E-05	5.84E-05	3.09E-06	3.00E-05	4.91E-05	2.21E-06	2.15E-05	3.57E-05	2.64E-06	2.64E-05	4.19E-05	2.89E-06	2.77E-05	4.68E-05	2.80E-06	2.79E-05	4.60E-05	2.65E-06	2.53E-05	4.22E-05
289	3.60E-06	3.50E-05	5.82E-05	3.09E-06	3.00E-05	4.90E-05	2.21E-06	2.15E-05	3.55E-05	2.62E-06	2.64E-05	4.19E-05	2.89E-06	2.77E-05	4.68E-05	2.80E-06	2.78E-05	4.59E-05	2.65E-06	2.53E-05	4.22E-05
290	3.58E-06	3.50E-05	5.81E-05	3.08E-06	2.99E-05	4.89E-05	2.20E-06	2.14E-05	3.55E-05	2.61E-06	2.64E-05	4.18E-05	2.88E-06	2.77E-05	4.67E-05	2.79E-06	2.78E-05	4.59E-05	2.63E-06	2.52E-05	4.22E-05
291	3.56E-06	3.49E-05	5.80E-05	3.08E-06	2.99E-05	4.89E-05	2.20E-06	2.14E-05	3.54E-05	2.61E-06	2.62E-05	4.17E-05	2.88E-06	2.77E-05	4.66E-05	2.79E-06	2.78E-05	4.59E-05	2.62E-06	2.52E-05	4.22E-05
292	3.56E-06	3.49E-05	5.78E-05	3.07E-06	2.99E-05	4.88E-05	2.20E-06	2.13E-05	3.54E-05	2.60E-06	2.62E-05	4.15E-05	2.87E-06	2.76E-05	4.64E-05	2.79E-06	2.78E-05	4.59E-05	2.62E-06	2.51E-05	4.22E-05
293	3.56E-06	3.49E-05	5.76E-05	3.04E-06	2.99E-05	4.88E-05	2.20E-06	2.13E-05	3.53E-05	2.59E-06	2.62E-05	4.14E-05	2.87E-06	2.76E-05	4.64E-05	2.78E-06	2.77E-05	4.58E-05	2.61E-06	2.51E-05	4.21E-05
294	3.56E-06	3.48E-05	5.75E-05	3.04E-06	2.98E-05	4.87E-05	2.20E-06	2.13E-05	3.53E-05	2.59E-06	2.62E-05	4.11E-05	2.86E-06	2.75E-05	4.62E-05	2.78E-06	2.77E-05	4.58E-05	2.61E-06	2.51E-05	4.21E-05
295	3.56E-06	3.48E-05	5.74E-05	3.04E-06	2.98E-05	4.86E-05	2.19E-06	2.13E-05	3.53E-05	2.59E-06	2.61E-05	4.09E-05	2.84E-06	2.74E-05	4.60E-05	2.78E-06	2.77E-05	4.58E-05	2.61E-06	2.49E-05	4.21E-05
296	3.55E-06	3.47E-05	5.70E-05	3.01E-06	2.98E-05	4.85E-05	2.19E-06	2.13E-05	3.53E-05	2.59E-06	2.59E-05	4.09E-05	2.84E-06	2.74E-05	4.59E-05	2.77E-06	2.76E-05	4.57E-05	2.61E-06	2.49E-05	4.20E-05
297	3.55E-06	3.47E-05	5.70E-05	3.00E-06	2.98E-05	4.85E-05	2.19E-06	2.12E-05	3.52E-05	2.58E-06	2.57E-05	4.09E-05	2.84E-06	2.73E-05	4.58E-05	2.77E-06	2.75E-05	4.57E-05	2.59E-06	2.49E-05	4.19E-05
298	3.55E-06	3.46E-05	5.67E-05	3.00E-06	2.97E-05	4.84E-05	2.18E-06	2.12E-05	3.52E-05	2.57E-06	2.57E-05	4.09E-05	2.83E-06	2.73E-05	4.57E-05	2.76E-06	2.74E-05	4.56E-05	2.59E-06	2.49E-05	4.19E-05
299	3.54E-06	3.45E-05	5.66E-05	3.00E-06	2.96E-05	4.83E-05	2.18E-06	2.11E-05	3.52E-05	2.57E-06	2.57E-05	4.08E-05	2.83E-06	2.73E-05	4.57E-05	2.76E-06	2.73E-05	4.55E-05	2.58E-06	2.48E-05	4.18E-05
300	3.54E-06	3.45E-05	5.66E-05	3.00E-06	2.96E-05	4.83E-05	2.17E-06	2.10E-05	3.52E-05	2.57E-06	2.57E-05	4.08E-05	2.83E-06	2.71E-05	4.57E-05	2.75E-06	2.72E-05	4.54E-05	2.58E-06	2.48E-05	4.18E-05
301	3.54E-06	3.44E-05	5.63E-05	2.99E-06	2.96E-05	4.83E-05	2.17E-06	2.10E-05	3.51E-05	2.57E-06	2.56E-05	4.06E-05	2.83E-06	2.71E-05	4.57E-05	2.75E-06	2.72E-05	4.54E-05	2.58E-06	2.47E-05	4.18E-05
302	3.54E-06	3.44E-05	5.63E-05	2.99E-06	2.96E-05	4.82E-05	2.17E-06	2.10E-05	3.51E-05	2.56E-06	2.56E-05	4.06E-05	2.83E-06	2.71E-05	4.56E-05	2.75E-06	2.72E-05	4.54E-05	2.58E-06	2.47E-05	4.18E-05
303	3.54E-06	3.44E-05	5.62E-05	2.98E-06	2.95E-05	4.81E-05	2.17E-06	2.09E-05	3.50E-05	2.56E-06	2.55E-05	4.06E-05	2.83E-06	2.70E-05	4.56E-05	2.75E-06	2.72E-05	4.54E-05	2.58E-06	2.46E-05	4.16E-05
304	3.53E-06	3.43E-05	5.61E-05	2.97E-06	2.95E-05	4.81E-05	2.16E-06	2.09E-05	3.50E-05	2.56E-06	2.55E-05	4.04E-05	2.82E-06	2.70E-05	4.55E-05	2.75E-06	2.71E-05	4.53E-05	2.58E-06	2.45E-05	4.16E-05
305	3.51E-06	3.42E-05	5.60E-05	2.97E-06	2.94E-05	4.80E-05	2.16E-06	2.08E-05	3.50E-05	2.55E-06	2.55E-05	4.03E-05	2.81E-06	2.70E-05	4.55E-05	2.75E-06	2.71E-05	4.53E-05	2.57E-06	2.44E-05	4.15E-05
306	3.50E-06	3.40E-05	5.60E-05	2.97E-06	2.94E-05	4.80E-05	2.15E-06	2.08E-05	3.50E-05	2.54E-06	2.55E-05	4.03E-05	2.81E-06	2.70E-05	4.54E-05	2.74E-06	2.70E-05	4.52E-05	2.56E-06	2.44E-05	4.12E-05
307	3.49E-06	3.38E-05	5.58E-05	2.96E-06	2.94E-05	4.78E-05	2.15E-06	2.08E-05	3.49E-05	2.54E-06	2.54E-05	4.03E-05	2.81E-06	2.69E-05	4.54E-05	2.74E-06	2.69E-05	4.50E-05	2.56E-06	2.44E-05	4.12E-05
308	3.49E-06	3.38E-05	5.58E-05	2.96E-06	2.94E-05	4.78E-05	2.15E-06	2.08E-05	3.49E-05	2.54E-06	2.54E-05	4.02E-05	2.80E-06	2.69E-05	4.54E-05	2.74E-06	2.69E-05	4.50E-05	2.55E-06	2.44E-05	4.11E-05
309	3.49E-06	3.38E-05	5.57E-05	2.96E-06	2.94E-05	4.78E-05	2.15E-06	2.07E-05	3.49E-05	2.54E-06	2.54E-05	4.00E-05	2.80E-06	2.68E-05	4.50E-05	2.74E-06	2.69E-05	4.47E-05	2.55E-06	2.43E-05	4.10E-05
310	3.48E-06	3.38E-05	5.57E-05	2.95E-06	2.92E-05	4.77E-05	2.14E-06	2.06E-05	3.49E-05	2.53E-06	2.54E-05	3.99E-05	2.80E-06	2.68E-05	4.49E-05	2.73E-06	2.67E-05	4.47E-05	2.54E-06	2.42E-05	4.09E-05
311	3.47E-06	3.36E-05	5.54E-05	2.95E-06	2.92E-05	4.76E-05	2.14E-06	2.05E-05	3.49E-05	2.53E-06	2.53E-05	3.98E-05	2.80E-06	2.68E-05	4.48E-05	2.72E-06	2.67E-05	4.46E-05	2.53E-06	2.42E-05	4.08E-05
312	3.47E-06	3.36E-05	5.54E-05	2.94E-06	2.92E-05	4.76E-05	2.14E-06	2.05E-05	3.48E-05	2.53E-06	2.52E-05	3.98E-05	2.79E-06	2.67E-05	4.46E-05	2.72E-06	2.66E-05	4.46E-05	2.53E-06	2.41E-05	4.07E-05
313	3.46E-06	3.36E-05	5.52E-05	2.93E-06	2.92E-05	4.75E-05	2.13E-06	2.05E-05	3.47E-05	2.53E-06	2.52E-05	3.98E-05	2.79E-06	2.65E-05	4.45E-05	2.71E-06	2.66E-05	4.46E-05	2.52E-06	2.40E-05	4.06E-05
314	3.46E-06	3.36E-05	5.52E-05	2.92E-06	2.91E-05	4.75E-05	2.13E-06	2.04E-05	3.47E-05	2.53E-06	2.52E-05	3.98E-05	2.78E-06	2.64E-05	4.43E-05	2.70E-06	2.65E-05	4.46E-05	2.52E-06	2.40E-05	4.06E-05
315	3.46E-06	3.35E-05	5.52E-05	2.92E-06	2.91E-05	4.74E-05	2.13E-06	2.04E-05	3.46E-05	2.52E-06	2.52E-05	3.98E-05	2.78E-06	2.63E-05	4.42E-05	2.69E-06	2.65E-05	4.44E-05	2.51E-06	2.39E-05	4.05E-05
316	3.45E-06	3.34E-05	5.51E-05	2.92E-06	2.90E-05	4.74E-05	2.13E-06	2.04E-05	3.46E-05	2.52E-06	2.51E-05	3.98E-05	2.78E-06	2.62E-05	4.40E-05	2.69E-06	2.65E-05	4.43E-05	2.51E-06	2.39E-05	4.04E-05
317	3.44E-06	3.34E-05	5.50E-05	2.91E-06	2.90E-05	4.71E-05	2.12E-06	2.04E-05	3.46E-05	2.50E-06	2.51E-05	3.98E-05	2.78E-06	2.62E-05	4.40E-05	2.68E-06	2.64E-05	4.43E-05	2.51E-06	2.38E-05	4.04E-05
318	3.43E-06	3.33E-05	5.48E-05	2.91E-06	2.90E-05	4.71E-05	2.12E-06	2.04E-05	3.45E-05	2.50E-06	2.51E-05	3.97E-05	2.77E-06	2.62E-05	4.40E-05	2.68E-06	2.64E-05	4.43E-05	2.51E-06	2.37E-05	4.02E-05
319	3.42E-06	3.32E-05	5.47E-05	2.91E-06	2.90E-05	4.70E-05	2.12E-06	2.04E-05	3.45E-05	2.49E-06	2.51E-05	3.96E-05	2.77E-06	2.62E-05	4.38E-05	2.67E-06	2.64E-05	4.41E-05	2.51E-06	2.37E-05	4.02E-05
320	3.41E-06	3.31E-05	5.47E-05	2.90E-06	2.89E-05	4.69E-05	2.12E-06	2.04E-05	3.43E-05	2.49E-06	2.51E-05	3.95E-05	2.77E-06	2.62E-05	4.38E-05	2.67E-06	2.64E-05	4.41E-05	2.50E-06	2.36E-05	4.02E-05
321	3.41E-06	3.31E-05	5.46E-05	2.90E-06	2.88E-05	4.69E-05	2.11E-06	2.03E-05	3.43E-05	2.48E-06	2.50E-05	3.95E-05	2.76E-06	2.62E-05	4.38E-05	2.67E-06	2.64E-05	4.40E-05	2.49E-06	2.36E-05	4.01E-05
322	3.40E-06	3.31E-05	5.45E-05	2.89E-06	2.87E-05	4.68E-05	2.11E-06	2.03E-05	3.43E-05	2.48E-06	2.50E-05	3.95E-05	2.76E-06	2.62E-05	4.38E-05	2.67E-06	2.64E-05	4.40E-05	2.48E-06	2.36E-05	3.99E-05
323	3.40E-06	3.30E-05	5.44E-05	2.88E-06	2.87E-05	4.67E-05	2.11E-06	2.03E-05	3.42E-05	2.48E-06	2.50E-05	3.95E-05	2.76E-06	2.61E-05	4.37E-05	2.67E-06	2.64E-05	4.40E-05	2.48E-06	2.36E-05	3.99E-05
324	3.40E-06	3.30E-05	5.42E-05	2.88E-06	2.86E-05	4.66E-05	2.11E-06	2.03E-05	3.41E-05	2.48E-06	2.50E-05	3.94E-05	2.75E-06	2.61E-05	4.37E-05	2.67E-06	2.64E-05	4.40E-05	2.47E-06	2.35E-05	3.99E-05
325	3.39E-06	3.29E-05	5.42E-05	2.88E-06	2.86E-05	4.66E-05	2.10E-06	2.03E-05	3.39E-05	2.48E-06	2.49E-05	3.94E-05	2.75E-06	2.61E-05	4.36E-05	2.67E-06	2.63E-05	4.38E-05	2.47E-06	2.34E-05	3.99E-05
326	3.39E-06	3.29E-05	5.41E-05	2.88E-06	2.85E-05	4.66E-05	2.10E-06	2.03E-05	3.39E-05	2.48E-06	2.49E-05	3.93E-05	2.74E-06	2.61E-05	4.34E-05	2.66E-06	2.63E-05	4.38E-05	2.46E-06	2.34E-05	3.98E-05
327	3.38E-06	3.26E-05	5.41E-05	2.88E-06	2.85E-05	4.65E-05	2.10E-06	2.03E-05	3.38E-05	2.47E-06	2.49E-05	3.93E-05	2.74E-06	2.60E-05	4.33E-05	2.66E-06	2.63E-05	4.38E-05	2.46E-06	2.34E-05	3.97E-05
328	3.38E-06	3.26E-05	5.40E-05	2.88E-06	2.85E-05	4.64E-05	2.10E-06	2.02E-05	3.38E-05	2.47E-06	2.49E-05	3.93E-05	2.74E-06	2.59E-05	4.33E-05	2.66E-06	2.62E-05	4.37E-05	2.45E-06	2.34E-05	3.96E-05
329	3.37E-06	3.26E-05	5.40E-05	2.88E-06	2.84E-05	4.63E-05	2.10E-06	2.02E-05	3.38E-05	2.45E-06	2.48E-05	3.93E-05	2.73E-06	2.59E-05	4.32E-05	2.66E-06	2.62E-05	4.36E-05	2.45E-06	2.34E-05	3.96E-05
330	3.36E-06	3.26E-05	5.39E-05	2.87E-06	2.84E-05	4.63E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
350	3.25E-06	3.15E-05	5.25E-05	2.81E-06	2.73E-05	4.52E-05	2.01E-06	1.94E-05	3.31E-05	2.37E-06	2.40E-05	3.80E-05	2.65E-06	2.49E-05	4.21E-05	2.58E-06	2.56E-05	4.25E-05	2.35E-06	2.27E-05	3.85E-05
351	3.25E-06	3.15E-05	5.25E-05	2.81E-06	2.73E-05	4.52E-05	2.00E-06	1.93E-05	3.31E-05	2.36E-06	2.39E-05	3.80E-05	2.64E-06	2.48E-05	4.21E-05	2.58E-06	2.56E-05	4.25E-05	2.35E-06	2.27E-05	3.83E-05
352	3.24E-06	3.15E-05	5.24E-05	2.81E-06	2.73E-05	4.52E-05	2.00E-06	1.93E-05	3.31E-05	2.35E-06	2.39E-05	3.78E-05	2.64E-06	2.48E-05	4.20E-05	2.58E-06	2.56E-05	4.24E-05	2.34E-06	2.27E-05	3.82E-05
353	3.23E-06	3.15E-05	5.23E-05	2.80E-06	2.73E-05	4.51E-05	2.00E-06	1.92E-05	3.30E-05	2.34E-06	2.39E-05	3.78E-05	2.64E-06	2.48E-05	4.20E-05	2.58E-06	2.55E-05	4.24E-05	2.34E-06	2.27E-05	3.80E-05
354	3.23E-06	3.14E-05	5.22E-05	2.79E-06	2.72E-05	4.50E-05	2.00E-06	1.92E-05	3.30E-05	2.34E-06	2.38E-05	3.78E-05	2.64E-06	2.47E-05	4.19E-05	2.57E-06	2.55E-05	4.24E-05	2.34E-06	2.26E-05	3.80E-05
355	3.23E-06	3.13E-05	5.21E-05	2.78E-06	2.72E-05	4.50E-05	2.00E-06	1.92E-05	3.30E-05	2.34E-06	2.38E-05	3.77E-05	2.64E-06	2.47E-05	4.18E-05	2.56E-06	2.55E-05	4.24E-05	2.34E-06	2.26E-05	3.79E-05
356	3.23E-06	3.12E-05	5.19E-05	2.78E-06	2.72E-05	4.50E-05	2.00E-06	1.91E-05	3.30E-05	2.33E-06	2.38E-05	3.77E-05	2.64E-06	2.45E-05	4.18E-05	2.56E-06	2.55E-05	4.23E-05	2.33E-06	2.25E-05	3.79E-05
357	3.23E-06	3.12E-05	5.19E-05	2.78E-06	2.72E-05	4.50E-05	2.00E-06	1.90E-05	3.28E-05	2.33E-06	2.37E-05	3.76E-05	2.63E-06	2.45E-05	4.18E-05	2.55E-06	2.55E-05	4.23E-05	2.32E-06	2.25E-05	3.77E-05
358	3.21E-06	3.11E-05	5.19E-05	2.78E-06	2.72E-05	4.50E-05	1.99E-06	1.90E-05	3.28E-05	2.33E-06	2.37E-05	3.76E-05	2.62E-06	2.45E-05	4.17E-05	2.55E-06	2.54E-05	4.21E-05	2.32E-06	2.25E-05	3.76E-05
359	3.21E-06	3.11E-05	5.19E-05	2.77E-06	2.71E-05	4.49E-05	1.98E-06	1.90E-05	3.27E-05	2.33E-06	2.36E-05	3.75E-05	2.61E-06	2.44E-05	4.17E-05	2.54E-06	2.54E-05	4.21E-05	2.32E-06	2.25E-05	3.75E-05
360	3.20E-06	3.09E-05	5.18E-05	2.77E-06	2.71E-05	4.48E-05	1.98E-06	1.90E-05	3.27E-05	2.32E-06	2.35E-05	3.75E-05	2.61E-06	2.44E-05	4.17E-05	2.53E-06	2.54E-05	4.21E-05	2.32E-06	2.25E-05	3.74E-05
361	3.20E-06	3.09E-05	5.17E-05	2.76E-06	2.71E-05	4.48E-05	1.97E-06	1.90E-05	3.27E-05	2.32E-06	2.35E-05	3.74E-05	2.61E-06	2.42E-05	4.16E-05	2.53E-06	2.53E-05	4.20E-05	2.32E-06	2.23E-05	3.74E-05
362	3.19E-06	3.09E-05	5.16E-05	2.74E-06	2.71E-05	4.47E-05	1.97E-06	1.90E-05	3.26E-05	2.32E-06	2.34E-05	3.74E-05	2.61E-06	2.42E-05	4.16E-05	2.53E-06	2.52E-05	4.20E-05	2.32E-06	2.23E-05	3.73E-05
363	3.18E-06	3.09E-05	5.15E-05	2.74E-06	2.70E-05	4.46E-05	1.97E-06	1.90E-05	3.25E-05	2.32E-06	2.33E-05	3.73E-05	2.60E-06	2.42E-05	4.15E-05	2.52E-06	2.52E-05	4.20E-05	2.31E-06	2.23E-05	3.73E-05
364	3.17E-06	3.09E-05	5.15E-05	2.74E-06	2.70E-05	4.46E-05	1.97E-06	1.89E-05	3.25E-05	2.32E-06	2.33E-05	3.72E-05	2.59E-06	2.42E-05	4.15E-05	2.52E-06	2.52E-05	4.19E-05	2.31E-06	2.22E-05	3.73E-05
365	3.17E-06	3.09E-05	5.15E-05	2.74E-06	2.69E-05	4.45E-05	1.97E-06	1.89E-05	3.24E-05	2.32E-06	2.33E-05	3.71E-05	2.58E-06	2.42E-05	4.15E-05	2.52E-06	2.52E-05	4.19E-05	2.30E-06	2.22E-05	3.72E-05
366	3.17E-06	3.09E-05	5.15E-05	2.74E-06	2.69E-05	4.45E-05	1.96E-06	1.88E-05	3.24E-05	2.31E-06	2.33E-05	3.71E-05	2.58E-06	2.41E-05	4.14E-05	2.52E-06	2.51E-05	4.19E-05	2.30E-06	2.21E-05	3.72E-05
367	3.15E-06	3.08E-05	5.15E-05	2.73E-06	2.68E-05	4.45E-05	1.96E-06	1.88E-05	3.24E-05	2.31E-06	2.33E-05	3.71E-05	2.57E-06	2.41E-05	4.14E-05	2.51E-06	2.51E-05	4.18E-05	2.29E-06	2.21E-05	3.72E-05
368	3.15E-06	3.08E-05	5.14E-05	2.73E-06	2.68E-05	4.44E-05	1.96E-06	1.88E-05	3.24E-05	2.31E-06	2.32E-05	3.70E-05	2.57E-06	2.40E-05	4.13E-05	2.51E-06	2.50E-05	4.18E-05	2.29E-06	2.21E-05	3.72E-05
369	3.15E-06	3.08E-05	5.14E-05	2.72E-06	2.68E-05	4.44E-05	1.96E-06	1.88E-05	3.23E-05	2.30E-06	2.32E-05	3.69E-05	2.56E-06	2.40E-05	4.13E-05	2.51E-06	2.49E-05	4.17E-05	2.28E-06	2.21E-05	3.70E-05
370	3.14E-06	3.07E-05	5.13E-05	2.70E-06	2.67E-05	4.43E-05	1.96E-06	1.88E-05	3.22E-05	2.30E-06	2.32E-05	3.66E-05	2.56E-06	2.40E-05	4.12E-05	2.51E-06	2.48E-05	4.16E-05	2.28E-06	2.21E-05	3.70E-05
371	3.14E-06	3.07E-05	5.13E-05	2.70E-06	2.67E-05	4.41E-05	1.96E-06	1.88E-05	3.21E-05	2.29E-06	2.30E-05	3.66E-05	2.55E-06	2.40E-05	4.12E-05	2.50E-06	2.48E-05	4.16E-05	2.28E-06	2.20E-05	3.70E-05
372	3.14E-06	3.07E-05	5.12E-05	2.69E-06	2.67E-05	4.41E-05	1.96E-06	1.87E-05	3.21E-05	2.29E-06	2.29E-05	3.65E-05	2.55E-06	2.39E-05	4.11E-05	2.50E-06	2.47E-05	4.14E-05	2.28E-06	2.20E-05	3.70E-05
373	3.14E-06	3.07E-05	5.12E-05	2.69E-06	2.67E-05	4.41E-05	1.96E-06	1.87E-05	3.19E-05	2.29E-06	2.29E-05	3.65E-05	2.54E-06	2.39E-05	4.10E-05	2.49E-06	2.47E-05	4.14E-05	2.28E-06	2.20E-05	3.70E-05
374	3.13E-06	3.04E-05	5.11E-05	2.69E-06	2.67E-05	4.40E-05	1.95E-06	1.86E-05	3.19E-05	2.28E-06	2.29E-05	3.64E-05	2.53E-06	2.39E-05	4.10E-05	2.49E-06	2.47E-05	4.13E-05	2.27E-06	2.19E-05	3.68E-05
375	3.13E-06	3.04E-05	5.11E-05	2.69E-06	2.66E-05	4.40E-05	1.95E-06	1.86E-05	3.19E-05	2.28E-06	2.29E-05	3.63E-05	2.53E-06	2.39E-05	4.10E-05	2.48E-06	2.47E-05	4.13E-05	2.27E-06	2.19E-05	3.68E-05
376	3.13E-06	3.04E-05	5.11E-05	2.68E-06	2.66E-05	4.40E-05	1.95E-06	1.86E-05	3.18E-05	2.28E-06	2.29E-05	3.63E-05	2.53E-06	2.38E-05	4.07E-05	2.48E-06	2.45E-05	4.13E-05	2.27E-06	2.19E-05	3.67E-05
377	3.13E-06	3.04E-05	5.10E-05	2.68E-06	2.66E-05	4.39E-05	1.95E-06	1.86E-05	3.18E-05	2.28E-06	2.29E-05	3.62E-05	2.53E-06	2.38E-05	4.07E-05	2.48E-06	2.45E-05	4.12E-05	2.27E-06	2.19E-05	3.67E-05
378	3.13E-06	3.04E-05	5.10E-05	2.68E-06	2.65E-05	4.39E-05	1.95E-06	1.86E-05	3.18E-05	2.28E-06	2.28E-05	3.61E-05	2.53E-06	2.38E-05	4.07E-05	2.48E-06	2.45E-05	4.12E-05	2.27E-06	2.19E-05	3.67E-05
379	3.12E-06	3.04E-05	5.09E-05	2.66E-06	2.64E-05	4.39E-05	1.94E-06	1.86E-05	3.16E-05	2.27E-06	2.28E-05	3.60E-05	2.53E-06	2.38E-05	4.07E-05	2.48E-06	2.45E-05	4.12E-05	2.26E-06	2.19E-05	3.66E-05
380	3.12E-06	3.04E-05	5.08E-05	2.66E-06	2.64E-05	4.38E-05	1.93E-06	1.86E-05	3.16E-05	2.27E-06	2.28E-05	3.60E-05	2.52E-06	2.38E-05	4.07E-05	2.48E-06	2.45E-05	4.11E-05	2.26E-06	2.19E-05	3.66E-05
381	3.12E-06	3.04E-05	5.08E-05	2.66E-06	2.64E-05	4.38E-05	1.93E-06	1.85E-05	3.15E-05	2.27E-06	2.28E-05	3.60E-05	2.52E-06	2.38E-05	4.06E-05	2.47E-06	2.45E-05	4.11E-05	2.26E-06	2.18E-05	3.66E-05
382	3.12E-06	3.03E-05	5.08E-05	2.66E-06	2.63E-05	4.37E-05	1.92E-06	1.85E-05	3.14E-05	2.27E-06	2.28E-05	3.60E-05	2.52E-06	2.37E-05	4.06E-05	2.47E-06	2.45E-05	4.11E-05	2.25E-06	2.17E-05	3.65E-05
383	3.12E-06	3.03E-05	5.07E-05	2.66E-06	2.63E-05	4.37E-05	1.92E-06	1.85E-05	3.13E-05	2.27E-06	2.28E-05	3.60E-05	2.52E-06	2.37E-05	4.06E-05	2.47E-06	2.45E-05	4.10E-05	2.25E-06	2.17E-05	3.65E-05
384	3.11E-06	3.02E-05	5.07E-05	2.65E-06	2.62E-05	4.37E-05	1.91E-06	1.84E-05	3.13E-05	2.27E-06	2.27E-05	3.60E-05	2.52E-06	2.37E-05	4.05E-05	2.47E-06	2.44E-05	4.10E-05	2.25E-06	2.17E-05	3.65E-05
385	3.11E-06	3.02E-05	5.06E-05	2.65E-06	2.62E-05	4.37E-05	1.91E-06	1.84E-05	3.12E-05	2.27E-06	2.27E-05	3.59E-05	2.51E-06	2.37E-05	4.04E-05	2.47E-06	2.44E-05	4.10E-05	2.24E-06	2.16E-05	3.64E-05
386	3.10E-06	3.02E-05	5.06E-05	2.65E-06	2.62E-05	4.36E-05	1.91E-06	1.84E-05	3.12E-05	2.26E-06	2.25E-05	3.59E-05	2.51E-06	2.36E-05	4.04E-05	2.46E-06	2.44E-05	4.10E-05	2.24E-06	2.16E-05	3.63E-05
387	3.10E-06	3.01E-05	5.06E-05	2.64E-06	2.61E-05	4.34E-05	1.90E-06	1.83E-05	3.11E-05	2.26E-06	2.25E-05	3.58E-05	2.50E-06	2.36E-05	4.03E-05	2.46E-06	2.44E-05	4.10E-05	2.24E-06	2.16E-05	3.63E-05
388	3.10E-06	3.01E-05	5.05E-05	2.64E-06	2.61E-05	4.33E-05	1.89E-06	1.83E-05	3.10E-05	2.26E-06	2.25E-05	3.58E-05	2.50E-06	2.36E-05	4.03E-05	2.46E-06	2.43E-05	4.10E-05	2.24E-06	2.16E-05	3.63E-05
389	3.10E-06	3.01E-05	5.02E-05	2.64E-06	2.61E-05	4.33E-05	1.89E-06	1.83E-05	3.10E-05	2.25E-06	2.25E-05	3.58E-05	2.50E-06	2.35E-05	4.02E-05	2.46E-06	2.43E-05	4.09E-05	2.24E-06	2.16E-05	3.61E-05
390	3.09E-06	3.00E-05	5.01E-05	2.63E-06	2.60E-05	4.32E-05	1.89E-06	1.82E-05	3.10E-05	2.24E-06	2.25E-05	3.57E-05	2.50E-06	2.35E-05	4.02E-05	2.45E-06	2.43E-05	4.09E-05	2.24E-06	2.16E-05	3.61E-05
391	3.09E-06	3.00E-05	5.01E-05	2.62E-06	2.60E-05	4.31E-05	1.89E-06	1.82E-05	3.10E-05	2.24E-06	2.24E-05	3.57E-05	2.49E-06	2.35E-05	4.01E-05	2.45E-06	2.42E-05	4.08E-05	2.23E-06	2.15E-05	3.61E-05
392	3.09E-06	3.00E-05	5.01E-05	2.62E-06	2.60E-05	4.31E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
412	3.03E-06	2.93E-05	4.88E-05	2.56E-06	2.54E-05	4.21E-05	1.82E-06	1.77E-05	3.02E-05	2.19E-06	2.19E-05	3.50E-05	2.42E-06	2.28E-05	3.92E-05	2.39E-06	2.35E-05	3.96E-05	2.18E-06	2.09E-05	3.51E-05
413	3.02E-06	2.93E-05	4.88E-05	2.56E-06	2.53E-05	4.21E-05	1.82E-06	1.77E-05	3.01E-05	2.19E-06	2.18E-05	3.49E-05	2.42E-06	2.27E-05	3.92E-05	2.39E-06	2.35E-05	3.96E-05	2.17E-06	2.09E-05	3.50E-05
414	3.01E-06	2.92E-05	4.87E-05	2.55E-06	2.53E-05	4.20E-05	1.82E-06	1.77E-05	3.01E-05	2.19E-06	2.17E-05	3.49E-05	2.42E-06	2.27E-05	3.92E-05	2.39E-06	2.34E-05	3.95E-05	2.17E-06	2.09E-05	3.50E-05
415	3.01E-06	2.91E-05	4.86E-05	2.55E-06	2.52E-05	4.19E-05	1.82E-06	1.76E-05	3.01E-05	2.18E-06	2.17E-05	3.49E-05	2.42E-06	2.27E-05	3.91E-05	2.39E-06	2.33E-05	3.95E-05	2.16E-06	2.09E-05	3.50E-05
416	3.01E-06	2.91E-05	4.84E-05	2.54E-06	2.52E-05	4.18E-05	1.82E-06	1.76E-05	3.01E-05	2.18E-06	2.17E-05	3.48E-05	2.42E-06	2.27E-05	3.91E-05	2.39E-06	2.33E-05	3.95E-05	2.16E-06	2.08E-05	3.50E-05
417	3.00E-06	2.90E-05	4.84E-05	2.54E-06	2.52E-05	4.18E-05	1.82E-06	1.76E-05	2.99E-05	2.18E-06	2.17E-05	3.48E-05	2.42E-06	2.25E-05	3.91E-05	2.39E-06	2.32E-05	3.95E-05	2.16E-06	2.08E-05	3.50E-05
418	3.00E-06	2.90E-05	4.83E-05	2.53E-06	2.51E-05	4.17E-05	1.82E-06	1.76E-05	2.99E-05	2.18E-06	2.17E-05	3.48E-05	2.41E-06	2.25E-05	3.91E-05	2.38E-06	2.32E-05	3.92E-05	2.16E-06	2.08E-05	3.50E-05
419	2.99E-06	2.89E-05	4.82E-05	2.53E-06	2.51E-05	4.16E-05	1.82E-06	1.76E-05	2.98E-05	2.18E-06	2.17E-05	3.47E-05	2.41E-06	2.25E-05	3.88E-05	2.38E-06	2.32E-05	3.92E-05	2.16E-06	2.08E-05	3.50E-05
420	2.98E-06	2.89E-05	4.82E-05	2.53E-06	2.51E-05	4.15E-05	1.82E-06	1.76E-05	2.98E-05	2.18E-06	2.16E-05	3.47E-05	2.41E-06	2.24E-05	3.88E-05	2.38E-06	2.32E-05	3.92E-05	2.16E-06	2.07E-05	3.49E-05
421	2.98E-06	2.89E-05	4.81E-05	2.52E-06	2.50E-05	4.15E-05	1.81E-06	1.75E-05	2.98E-05	2.17E-06	2.16E-05	3.47E-05	2.41E-06	2.24E-05	3.88E-05	2.38E-06	2.32E-05	3.91E-05	2.16E-06	2.06E-05	3.49E-05
422	2.98E-06	2.89E-05	4.80E-05	2.52E-06	2.49E-05	4.14E-05	1.81E-06	1.75E-05	2.98E-05	2.17E-06	2.16E-05	3.47E-05	2.41E-06	2.24E-05	3.87E-05	2.38E-06	2.32E-05	3.91E-05	2.15E-06	2.06E-05	3.49E-05
423	2.97E-06	2.88E-05	4.80E-05	2.52E-06	2.49E-05	4.14E-05	1.81E-06	1.75E-05	2.97E-05	2.17E-06	2.16E-05	3.47E-05	2.40E-06	2.23E-05	3.87E-05	2.37E-06	2.31E-05	3.91E-05	2.15E-06	2.06E-05	3.48E-05
424	2.96E-06	2.87E-05	4.79E-05	2.52E-06	2.49E-05	4.14E-05	1.81E-06	1.75E-05	2.97E-05	2.17E-06	2.15E-05	3.47E-05	2.40E-06	2.23E-05	3.86E-05	2.37E-06	2.31E-05	3.90E-05	2.15E-06	2.06E-05	3.48E-05
425	2.96E-06	2.86E-05	4.79E-05	2.52E-06	2.48E-05	4.14E-05	1.80E-06	1.75E-05	2.96E-05	2.16E-06	2.15E-05	3.46E-05	2.39E-06	2.23E-05	3.86E-05	2.37E-06	2.30E-05	3.90E-05	2.15E-06	2.06E-05	3.47E-05
426	2.96E-06	2.86E-05	4.78E-05	2.51E-06	2.48E-05	4.13E-05	1.80E-06	1.75E-05	2.96E-05	2.16E-06	2.15E-05	3.45E-05	2.39E-06	2.22E-05	3.86E-05	2.37E-06	2.30E-05	3.89E-05	2.15E-06	2.05E-05	3.47E-05
427	2.96E-06	2.85E-05	4.77E-05	2.51E-06	2.48E-05	4.13E-05	1.80E-06	1.75E-05	2.96E-05	2.16E-06	2.14E-05	3.45E-05	2.39E-06	2.22E-05	3.86E-05	2.36E-06	2.30E-05	3.89E-05	2.15E-06	2.05E-05	3.45E-05
428	2.96E-06	2.85E-05	4.77E-05	2.51E-06	2.47E-05	4.13E-05	1.80E-06	1.75E-05	2.95E-05	2.15E-06	2.14E-05	3.45E-05	2.39E-06	2.22E-05	3.86E-05	2.36E-06	2.30E-05	3.89E-05	2.14E-06	2.05E-05	3.45E-05
429	2.95E-06	2.85E-05	4.77E-05	2.51E-06	2.46E-05	4.12E-05	1.80E-06	1.75E-05	2.95E-05	2.15E-06	2.14E-05	3.45E-05	2.39E-06	2.21E-05	3.86E-05	2.35E-06	2.29E-05	3.88E-05	2.14E-06	2.03E-05	3.45E-05
430	2.95E-06	2.85E-05	4.75E-05	2.50E-06	2.46E-05	4.12E-05	1.80E-06	1.74E-05	2.95E-05	2.15E-06	2.13E-05	3.45E-05	2.39E-06	2.21E-05	3.85E-05	2.34E-06	2.29E-05	3.88E-05	2.13E-06	2.02E-05	3.44E-05
431	2.95E-06	2.84E-05	4.75E-05	2.50E-06	2.46E-05	4.12E-05	1.80E-06	1.74E-05	2.94E-05	2.15E-06	2.13E-05	3.45E-05	2.38E-06	2.21E-05	3.85E-05	2.34E-06	2.29E-05	3.88E-05	2.13E-06	2.02E-05	3.44E-05
432	2.94E-06	2.84E-05	4.74E-05	2.50E-06	2.46E-05	4.12E-05	1.80E-06	1.74E-05	2.94E-05	2.15E-06	2.12E-05	3.45E-05	2.38E-06	2.20E-05	3.85E-05	2.34E-06	2.28E-05	3.88E-05	2.12E-06	2.02E-05	3.43E-05
433	2.94E-06	2.84E-05	4.74E-05	2.50E-06	2.45E-05	4.10E-05	1.80E-06	1.74E-05	2.93E-05	2.15E-06	2.12E-05	3.45E-05	2.38E-06	2.19E-05	3.85E-05	2.34E-06	2.28E-05	3.87E-05	2.12E-06	2.02E-05	3.43E-05
434	2.94E-06	2.84E-05	4.74E-05	2.50E-06	2.45E-05	4.10E-05	1.79E-06	1.73E-05	2.93E-05	2.15E-06	2.12E-05	3.44E-05	2.38E-06	2.19E-05	3.85E-05	2.33E-06	2.27E-05	3.87E-05	2.11E-06	2.02E-05	3.42E-05
435	2.94E-06	2.84E-05	4.74E-05	2.50E-06	2.44E-05	4.09E-05	1.79E-06	1.73E-05	2.93E-05	2.15E-06	2.12E-05	3.44E-05	2.37E-06	2.19E-05	3.84E-05	2.33E-06	2.27E-05	3.86E-05	2.11E-06	2.01E-05	3.42E-05
436	2.93E-06	2.84E-05	4.74E-05	2.50E-06	2.44E-05	4.08E-05	1.78E-06	1.72E-05	2.93E-05	2.15E-06	2.12E-05	3.43E-05	2.37E-06	2.19E-05	3.84E-05	2.33E-06	2.27E-05	3.86E-05	2.11E-06	2.01E-05	3.41E-05
437	2.93E-06	2.83E-05	4.74E-05	2.50E-06	2.44E-05	4.08E-05	1.78E-06	1.72E-05	2.93E-05	2.14E-06	2.11E-05	3.42E-05	2.37E-06	2.18E-05	3.84E-05	2.33E-06	2.27E-05	3.86E-05	2.11E-06	2.01E-05	3.41E-05
438	2.93E-06	2.82E-05	4.73E-05	2.49E-06	2.44E-05	4.08E-05	1.78E-06	1.72E-05	2.93E-05	2.14E-06	2.11E-05	3.42E-05	2.36E-06	2.17E-05	3.83E-05	2.32E-06	2.26E-05	3.85E-05	2.10E-06	2.01E-05	3.41E-05
439	2.92E-06	2.82E-05	4.73E-05	2.49E-06	2.43E-05	4.07E-05	1.78E-06	1.72E-05	2.92E-05	2.14E-06	2.10E-05	3.42E-05	2.36E-06	2.17E-05	3.83E-05	2.32E-06	2.26E-05	3.84E-05	2.10E-06	2.01E-05	3.41E-05
440	2.92E-06	2.82E-05	4.71E-05	2.49E-06	2.43E-05	4.07E-05	1.78E-06	1.72E-05	2.92E-05	2.14E-06	2.10E-05	3.42E-05	2.36E-06	2.17E-05	3.83E-05	2.32E-06	2.26E-05	3.84E-05	2.10E-06	2.01E-05	3.41E-05
441	2.92E-06	2.82E-05	4.71E-05	2.48E-06	2.42E-05	4.07E-05	1.78E-06	1.71E-05	2.92E-05	2.13E-06	2.10E-05	3.42E-05	2.36E-06	2.16E-05	3.81E-05	2.32E-06	2.25E-05	3.84E-05	2.10E-06	2.01E-05	3.39E-05
442	2.92E-06	2.81E-05	4.71E-05	2.47E-06	2.42E-05	4.07E-05	1.77E-06	1.71E-05	2.91E-05	2.13E-06	2.10E-05	3.41E-05	2.36E-06	2.15E-05	3.81E-05	2.31E-06	2.25E-05	3.84E-05	2.10E-06	2.01E-05	3.39E-05
443	2.91E-06	2.81E-05	4.71E-05	2.47E-06	2.42E-05	4.06E-05	1.77E-06	1.71E-05	2.91E-05	2.12E-06	2.09E-05	3.41E-05	2.35E-06	2.15E-05	3.81E-05	2.31E-06	2.25E-05	3.82E-05	2.09E-06	2.00E-05	3.38E-05
444	2.90E-06	2.80E-05	4.69E-05	2.46E-06	2.41E-05	4.05E-05	1.76E-06	1.71E-05	2.90E-05	2.12E-06	2.09E-05	3.41E-05	2.34E-06	2.15E-05	3.81E-05	2.31E-06	2.25E-05	3.82E-05	2.09E-06	2.00E-05	3.38E-05
445	2.90E-06	2.80E-05	4.69E-05	2.46E-06	2.41E-05	4.05E-05	1.76E-06	1.71E-05	2.90E-05	2.12E-06	2.09E-05	3.41E-05	2.33E-06	2.15E-05	3.80E-05	2.31E-06	2.24E-05	3.81E-05	2.09E-06	2.00E-05	3.38E-05
446	2.90E-06	2.80E-05	4.68E-05	2.46E-06	2.40E-05	4.05E-05	1.76E-06	1.71E-05	2.90E-05	2.12E-06	2.09E-05	3.40E-05	2.33E-06	2.14E-05	3.80E-05	2.31E-06	2.24E-05	3.81E-05	2.09E-06	1.99E-05	3.37E-05
447	2.90E-06	2.80E-05	4.67E-05	2.46E-06	2.40E-05	4.05E-05	1.76E-06	1.71E-05	2.90E-05	2.12E-06	2.09E-05	3.40E-05	2.33E-06	2.14E-05	3.79E-05	2.31E-06	2.24E-05	3.80E-05	2.09E-06	1.99E-05	3.37E-05
448	2.90E-06	2.80E-05	4.67E-05	2.46E-06	2.40E-05	4.05E-05	1.76E-06	1.71E-05	2.89E-05	2.12E-06	2.09E-05	3.39E-05	2.33E-06	2.13E-05	3.79E-05	2.30E-06	2.24E-05	3.80E-05	2.09E-06	1.99E-05	3.37E-05
449	2.90E-06	2.80E-05	4.67E-05	2.45E-06	2.40E-05	4.04E-05	1.76E-06	1.71E-05	2.89E-05	2.12E-06	2.08E-05	3.38E-05	2.32E-06	2.13E-05	3.79E-05	2.30E-06	2.23E-05	3.79E-05	2.09E-06	1.99E-05	3.36E-05
450	2.89E-06	2.79E-05	4.67E-05	2.45E-06	2.40E-05	4.04E-05	1.76E-06	1.71E-05	2.88E-05	2.12E-06	2.08E-05	3.38E-05	2.32E-06	2.13E-05	3.79E-05	2.30E-06	2.23E-05	3.79E-05	2.09E-06	1.98E-05	3.36E-05
451	2.88E-06	2.79E-05	4.66E-05	2.44E-06	2.40E-05	4.02E-05	1.76E-06	1.71E-05	2.88E-05	2.11E-06	2.08E-05	3.38E-05	2.32E-06	2.12E-05	3.79E-05	2.30E-06	2.22E-05	3.79E-05	2.09E-06	1.98E-05	3.36E-05
452	2.87E-06	2.78E-05	4.66E-05	2.44E-06	2.39E-05	4.01E-05	1.75E-06	1.71E-05	2.88E-05	2.11E-06	2.08E-05	3.37E-05	2.32E-06	2.12E-05	3.78E-05	2.30E-06	2.22E-05	3.78E-05	2.08E-06	1.98E-05	3.35E-05
453	2.87E-06	2.78E-05	4.66E-05	2.44E-06	2.39E-05	4.01E-05	1.75E-06	1.70E-05	2.88E-05	2.11E-06	2.07E-05	3.37E-05	2.31E-06	2.12E-05	3.78E-05	2.30E-06	2.22E-05	3.77E-05	2.07E-06	1.98E-05	3.35E-05
454	2.87E-06	2.78E-05	4.65E-05	2.44E-06	2.39E-05	4.00E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
474	2.80E-06	2.70E-05	4.56E-05	2.37E-06	2.33E-05	3.93E-05	1.70E-06	1.67E-05	2.81E-05	2.07E-06	2.03E-05	3.30E-05	2.26E-06	2.08E-05	3.70E-05	2.23E-06	2.17E-05	3.68E-05	2.02E-06	1.94E-05	3.26E-05
475	2.80E-06	2.69E-05	4.55E-05	2.37E-06	2.32E-05	3.93E-05	1.69E-06	1.66E-05	2.80E-05	2.07E-06	2.03E-05	3.30E-05	2.26E-06	2.08E-05	3.69E-05	2.23E-06	2.16E-05	3.68E-05	2.02E-06	1.94E-05	3.26E-05
476	2.79E-06	2.68E-05	4.55E-05	2.37E-06	2.32E-05	3.92E-05	1.69E-06	1.66E-05	2.80E-05	2.07E-06	2.03E-05	3.30E-05	2.26E-06	2.08E-05	3.68E-05	2.23E-06	2.16E-05	3.68E-05	2.02E-06	1.94E-05	3.25E-05
477	2.79E-06	2.68E-05	4.54E-05	2.37E-06	2.31E-05	3.92E-05	1.69E-06	1.66E-05	2.80E-05	2.07E-06	2.02E-05	3.29E-05	2.25E-06	2.07E-05	3.68E-05	2.23E-06	2.16E-05	3.67E-05	2.02E-06	1.94E-05	3.25E-05
478	2.79E-06	2.68E-05	4.54E-05	2.37E-06	2.31E-05	3.90E-05	1.68E-06	1.66E-05	2.80E-05	2.06E-06	2.01E-05	3.29E-05	2.25E-06	2.07E-05	3.68E-05	2.23E-06	2.16E-05	3.66E-05	2.02E-06	1.94E-05	3.24E-05
479	2.79E-06	2.68E-05	4.54E-05	2.37E-06	2.31E-05	3.90E-05	1.68E-06	1.65E-05	2.80E-05	2.06E-06	2.01E-05	3.27E-05	2.25E-06	2.07E-05	3.68E-05	2.23E-06	2.16E-05	3.66E-05	2.02E-06	1.94E-05	3.24E-05
480	2.78E-06	2.67E-05	4.53E-05	2.36E-06	2.31E-05	3.90E-05	1.68E-06	1.65E-05	2.79E-05	2.06E-06	2.01E-05	3.26E-05	2.25E-06	2.07E-05	3.67E-05	2.23E-06	2.16E-05	3.66E-05	2.01E-06	1.94E-05	3.23E-05
481	2.78E-06	2.67E-05	4.52E-05	2.36E-06	2.31E-05	3.89E-05	1.67E-06	1.65E-05	2.78E-05	2.05E-06	2.01E-05	3.26E-05	2.24E-06	2.07E-05	3.66E-05	2.22E-06	2.15E-05	3.66E-05	2.01E-06	1.94E-05	3.23E-05
482	2.78E-06	2.67E-05	4.52E-05	2.36E-06	2.30E-05	3.89E-05	1.67E-06	1.65E-05	2.77E-05	2.05E-06	2.01E-05	3.26E-05	2.24E-06	2.06E-05	3.66E-05	2.22E-06	2.15E-05	3.66E-05	2.01E-06	1.94E-05	3.23E-05
483	2.77E-06	2.67E-05	4.51E-05	2.36E-06	2.30E-05	3.89E-05	1.67E-06	1.65E-05	2.77E-05	2.05E-06	2.00E-05	3.26E-05	2.24E-06	2.06E-05	3.66E-05	2.22E-06	2.15E-05	3.65E-05	2.01E-06	1.94E-05	3.23E-05
484	2.77E-06	2.67E-05	4.50E-05	2.36E-06	2.30E-05	3.88E-05	1.67E-06	1.65E-05	2.77E-05	2.05E-06	1.99E-05	3.25E-05	2.24E-06	2.06E-05	3.66E-05	2.22E-06	2.15E-05	3.65E-05	2.01E-06	1.93E-05	3.23E-05
485	2.77E-06	2.66E-05	4.50E-05	2.36E-06	2.30E-05	3.88E-05	1.66E-06	1.64E-05	2.77E-05	2.05E-06	1.99E-05	3.25E-05	2.24E-06	2.06E-05	3.66E-05	2.22E-06	2.14E-05	3.64E-05	2.00E-06	1.93E-05	3.23E-05
486	2.77E-06	2.66E-05	4.50E-05	2.35E-06	2.30E-05	3.88E-05	1.66E-06	1.64E-05	2.77E-05	2.05E-06	1.98E-05	3.25E-05	2.23E-06	2.06E-05	3.65E-05	2.22E-06	2.14E-05	3.63E-05	2.00E-06	1.93E-05	3.22E-05
487	2.76E-06	2.66E-05	4.49E-05	2.35E-06	2.29E-05	3.88E-05	1.66E-06	1.64E-05	2.75E-05	2.04E-06	1.98E-05	3.25E-05	2.23E-06	2.06E-05	3.65E-05	2.22E-06	2.14E-05	3.63E-05	2.00E-06	1.93E-05	3.22E-05
488	2.76E-06	2.65E-05	4.48E-05	2.35E-06	2.29E-05	3.88E-05	1.66E-06	1.63E-05	2.75E-05	2.04E-06	1.98E-05	3.25E-05	2.23E-06	2.04E-05	3.64E-05	2.22E-06	2.14E-05	3.63E-05	1.99E-06	1.92E-05	3.22E-05
489	2.76E-06	2.65E-05	4.48E-05	2.35E-06	2.29E-05	3.86E-05	1.66E-06	1.63E-05	2.75E-05	2.03E-06	1.98E-05	3.24E-05	2.23E-06	2.04E-05	3.64E-05	2.22E-06	2.14E-05	3.63E-05	1.99E-06	1.92E-05	3.22E-05
490	2.76E-06	2.65E-05	4.47E-05	2.35E-06	2.28E-05	3.85E-05	1.66E-06	1.63E-05	2.74E-05	2.03E-06	1.98E-05	3.24E-05	2.23E-06	2.04E-05	3.63E-05	2.22E-06	2.13E-05	3.62E-05	1.99E-06	1.92E-05	3.21E-05
491	2.76E-06	2.65E-05	4.47E-05	2.35E-06	2.28E-05	3.84E-05	1.66E-06	1.63E-05	2.74E-05	2.03E-06	1.97E-05	3.23E-05	2.22E-06	2.03E-05	3.63E-05	2.21E-06	2.13E-05	3.61E-05	1.99E-06	1.92E-05	3.21E-05
492	2.75E-06	2.64E-05	4.47E-05	2.34E-06	2.27E-05	3.84E-05	1.66E-06	1.63E-05	2.74E-05	2.02E-06	1.97E-05	3.23E-05	2.22E-06	2.03E-05	3.63E-05	2.21E-06	2.13E-05	3.61E-05	1.99E-06	1.92E-05	3.20E-05
493	2.75E-06	2.64E-05	4.47E-05	2.34E-06	2.27E-05	3.84E-05	1.65E-06	1.62E-05	2.74E-05	2.02E-06	1.97E-05	3.23E-05	2.21E-06	2.03E-05	3.62E-05	2.20E-06	2.13E-05	3.61E-05	1.99E-06	1.92E-05	3.20E-05
494	2.75E-06	2.64E-05	4.47E-05	2.34E-06	2.25E-05	3.84E-05	1.65E-06	1.62E-05	2.74E-05	2.02E-06	1.97E-05	3.23E-05	2.21E-06	2.03E-05	3.62E-05	2.20E-06	2.12E-05	3.60E-05	1.99E-06	1.91E-05	3.20E-05
495	2.74E-06	2.64E-05	4.46E-05	2.34E-06	2.25E-05	3.83E-05	1.65E-06	1.62E-05	2.74E-05	2.02E-06	1.97E-05	3.23E-05	2.21E-06	2.03E-05	3.60E-05	2.20E-06	2.12E-05	3.60E-05	1.99E-06	1.91E-05	3.20E-05
496	2.74E-06	2.63E-05	4.46E-05	2.33E-06	2.25E-05	3.83E-05	1.65E-06	1.62E-05	2.74E-05	2.02E-06	1.97E-05	3.22E-05	2.21E-06	2.03E-05	3.59E-05	2.20E-06	2.12E-05	3.60E-05	1.98E-06	1.91E-05	3.19E-05
497	2.73E-06	2.63E-05	4.45E-05	2.33E-06	2.25E-05	3.82E-05	1.65E-06	1.62E-05	2.73E-05	2.02E-06	1.96E-05	3.22E-05	2.21E-06	2.02E-05	3.59E-05	2.19E-06	2.12E-05	3.60E-05	1.98E-06	1.91E-05	3.18E-05
498	2.73E-06	2.63E-05	4.45E-05	2.33E-06	2.24E-05	3.81E-05	1.65E-06	1.62E-05	2.73E-05	2.02E-06	1.96E-05	3.22E-05	2.21E-06	2.02E-05	3.59E-05	2.19E-06	2.11E-05	3.59E-05	1.98E-06	1.91E-05	3.17E-05
499	2.73E-06	2.63E-05	4.45E-05	2.33E-06	2.24E-05	3.80E-05	1.65E-06	1.61E-05	2.72E-05	2.01E-06	1.96E-05	3.22E-05	2.20E-06	2.02E-05	3.58E-05	2.18E-06	2.11E-05	3.59E-05	1.98E-06	1.91E-05	3.17E-05
500	2.72E-06	2.63E-05	4.45E-05	2.33E-06	2.24E-05	3.80E-05	1.64E-06	1.61E-05	2.72E-05	2.01E-06	1.96E-05	3.22E-05	2.20E-06	2.02E-05	3.57E-05	2.18E-06	2.11E-05	3.58E-05	1.98E-06	1.90E-05	3.16E-05
501	2.72E-06	2.63E-05	4.44E-05	2.33E-06	2.23E-05	3.79E-05	1.64E-06	1.60E-05	2.71E-05	2.01E-06	1.96E-05	3.22E-05	2.20E-06	2.02E-05	3.57E-05	2.18E-06	2.11E-05	3.58E-05	1.98E-06	1.90E-05	3.15E-05
502	2.71E-06	2.62E-05	4.44E-05	2.33E-06	2.23E-05	3.79E-05	1.64E-06	1.60E-05	2.71E-05	2.01E-06	1.96E-05	3.21E-05	2.20E-06	2.02E-05	3.57E-05	2.18E-06	2.10E-05	3.58E-05	1.97E-06	1.89E-05	3.15E-05
503	2.71E-06	2.62E-05	4.42E-05	2.33E-06	2.23E-05	3.79E-05	1.64E-06	1.60E-05	2.71E-05	2.00E-06	1.95E-05	3.21E-05	2.19E-06	2.02E-05	3.57E-05	2.17E-06	2.10E-05	3.58E-05	1.97E-06	1.89E-05	3.15E-05
504	2.70E-06	2.62E-05	4.42E-05	2.33E-06	2.23E-05	3.79E-05	1.63E-06	1.59E-05	2.70E-05	2.00E-06	1.95E-05	3.20E-05	2.19E-06	2.02E-05	3.57E-05	2.17E-06	2.10E-05	3.57E-05	1.97E-06	1.89E-05	3.14E-05
505	2.70E-06	2.62E-05	4.42E-05	2.33E-06	2.23E-05	3.78E-05	1.63E-06	1.59E-05	2.70E-05	1.99E-06	1.94E-05	3.20E-05	2.19E-06	2.01E-05	3.56E-05	2.17E-06	2.10E-05	3.57E-05	1.97E-06	1.89E-05	3.13E-05
506	2.70E-06	2.62E-05	4.41E-05	2.32E-06	2.23E-05	3.77E-05	1.63E-06	1.58E-05	2.69E-05	1.99E-06	1.94E-05	3.20E-05	2.19E-06	2.01E-05	3.56E-05	2.16E-06	2.10E-05	3.57E-05	1.97E-06	1.88E-05	3.13E-05
507	2.70E-06	2.61E-05	4.41E-05	2.32E-06	2.22E-05	3.76E-05	1.63E-06	1.58E-05	2.69E-05	1.98E-06	1.94E-05	3.19E-05	2.19E-06	2.01E-05	3.55E-05	2.16E-06	2.10E-05	3.57E-05	1.96E-06	1.88E-05	3.13E-05
508	2.69E-06	2.60E-05	4.41E-05	2.32E-06	2.22E-05	3.76E-05	1.63E-06	1.58E-05	2.69E-05	1.98E-06	1.93E-05	3.19E-05	2.18E-06	2.01E-05	3.55E-05	2.16E-06	2.10E-05	3.57E-05	1.96E-06	1.88E-05	3.12E-05
509	2.69E-06	2.60E-05	4.40E-05	2.32E-06	2.22E-05	3.76E-05	1.63E-06	1.58E-05	2.68E-05	1.98E-06	1.93E-05	3.19E-05	2.18E-06	2.00E-05	3.55E-05	2.16E-06	2.09E-05	3.57E-05	1.96E-06	1.88E-05	3.12E-05
510	2.69E-06	2.60E-05	4.40E-05	2.32E-06	2.21E-05	3.75E-05	1.62E-06	1.58E-05	2.67E-05	1.98E-06	1.93E-05	3.19E-05	2.18E-06	2.00E-05	3.55E-05	2.16E-06	2.09E-05	3.56E-05	1.96E-06	1.87E-05	3.12E-05
511	2.69E-06	2.60E-05	4.39E-05	2.31E-06	2.21E-05	3.75E-05	1.62E-06	1.57E-05	2.67E-05	1.98E-06	1.93E-05	3.19E-05	2.18E-06	2.00E-05	3.55E-05	2.16E-06	2.09E-05	3.55E-05	1.96E-06	1.86E-05	3.12E-05
512	2.69E-06	2.59E-05	4.39E-05	2.31E-06	2.21E-05	3.75E-05	1.62E-06	1.57E-05	2.66E-05	1.98E-06	1.92E-05	3.19E-05	2.18E-06	2.00E-05	3.54E-05	2.16E-06	2.09E-05	3.55E-05	1.95E-06	1.86E-05	3.11E-05
513	2.69E-06	2.59E-05	4.39E-05	2.31E-06	2.21E-05	3.75E-05	1.62E-06	1.57E-05	2.66E-05	1.98E-06	1.92E-05	3.18E-05	2.18E-06	2.00E-05	3.54E-05	2.15E-06	2.08E-05	3.54E-05	1.95E-06	1.86E-05	3.11E-05
514	2.69E-06	2.59E-05	4.39E-05	2.31E-06	2.21E-05	3.74E-05	1.62E-06	1.57E-05	2.66E-05	1.97E-06	1.92E-05	3.18E-05	2.18E-06	1.99E-05	3.53E-05	2.15E-06	2.08E-05	3.53E-05	1.95E-06	1.85E-05	3.10E-05
515	2.68E-06	2.59E-05	4.38E-05	2.30E-06	2.21E-05	3.74E-05	1.62E-06	1.57E-05	2.66E-05	1.97E-06	1.92E-05	3.17E-05	2.18E-06	1.99E-05	3.53E-05	2.15E-06	2.08E-05	3.53E-05	1.95E-06	1.85E-05	3.10E-05
516	2.68E-06	2.59E-05	4.38E-05	2.30E-06	2.21E-05	3.73E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
536	2.63E-06	2.54E-05	4.29E-05	2.27E-06	2.18E-05	3.67E-05	1.58E-06	1.54E-05	2.59E-05	1.92E-06	1.88E-05	3.11E-05	2.14E-06	1.93E-05	3.45E-05	2.10E-06	2.04E-05	3.46E-05	1.90E-06	1.81E-05	3.05E-05
537	2.63E-06	2.53E-05	4.28E-05	2.27E-06	2.18E-05	3.66E-05	1.58E-06	1.54E-05	2.59E-05	1.92E-06	1.87E-05	3.10E-05	2.14E-06	1.93E-05	3.45E-05	2.10E-06	2.04E-05	3.45E-05	1.90E-06	1.81E-05	3.05E-05
538	2.63E-06	2.53E-05	4.28E-05	2.26E-06	2.17E-05	3.66E-05	1.57E-06	1.53E-05	2.58E-05	1.92E-06	1.87E-05	3.10E-05	2.14E-06	1.93E-05	3.45E-05	2.09E-06	2.04E-05	3.45E-05	1.89E-06	1.81E-05	3.05E-05
539	2.63E-06	2.53E-05	4.28E-05	2.26E-06	2.17E-05	3.66E-05	1.57E-06	1.53E-05	2.58E-05	1.92E-06	1.87E-05	3.10E-05	2.14E-06	1.92E-05	3.45E-05	2.09E-06	2.03E-05	3.45E-05	1.89E-06	1.81E-05	3.04E-05
540	2.63E-06	2.53E-05	4.27E-05	2.26E-06	2.17E-05	3.66E-05	1.57E-06	1.53E-05	2.57E-05	1.92E-06	1.86E-05	3.10E-05	2.13E-06	1.92E-05	3.44E-05	2.09E-06	2.03E-05	3.44E-05	1.89E-06	1.81E-05	3.04E-05
541	2.62E-06	2.53E-05	4.27E-05	2.26E-06	2.17E-05	3.66E-05	1.57E-06	1.53E-05	2.56E-05	1.92E-06	1.86E-05	3.10E-05	2.13E-06	1.92E-05	3.44E-05	2.09E-06	2.03E-05	3.44E-05	1.89E-06	1.81E-05	3.03E-05
542	2.62E-06	2.52E-05	4.27E-05	2.26E-06	2.17E-05	3.65E-05	1.57E-06	1.53E-05	2.56E-05	1.92E-06	1.86E-05	3.10E-05	2.13E-06	1.92E-05	3.44E-05	2.09E-06	2.03E-05	3.44E-05	1.89E-06	1.80E-05	3.03E-05
543	2.62E-06	2.52E-05	4.27E-05	2.25E-06	2.17E-05	3.65E-05	1.57E-06	1.53E-05	2.56E-05	1.91E-06	1.85E-05	3.09E-05	2.13E-06	1.91E-05	3.43E-05	2.08E-06	2.03E-05	3.43E-05	1.89E-06	1.80E-05	3.03E-05
544	2.62E-06	2.52E-05	4.26E-05	2.25E-06	2.17E-05	3.65E-05	1.57E-06	1.53E-05	2.56E-05	1.91E-06	1.85E-05	3.09E-05	2.13E-06	1.91E-05	3.43E-05	2.08E-06	2.02E-05	3.43E-05	1.89E-06	1.80E-05	3.03E-05
545	2.62E-06	2.51E-05	4.25E-05	2.25E-06	2.16E-05	3.64E-05	1.57E-06	1.52E-05	2.56E-05	1.91E-06	1.85E-05	3.09E-05	2.13E-06	1.91E-05	3.43E-05	2.08E-06	2.02E-05	3.43E-05	1.89E-06	1.80E-05	3.02E-05
546	2.61E-06	2.51E-05	4.25E-05	2.25E-06	2.16E-05	3.63E-05	1.56E-06	1.52E-05	2.56E-05	1.91E-06	1.85E-05	3.08E-05	2.13E-06	1.91E-05	3.43E-05	2.06E-06	2.02E-05	3.42E-05	1.89E-06	1.80E-05	3.02E-05
547	2.61E-06	2.51E-05	4.25E-05	2.25E-06	2.16E-05	3.63E-05	1.56E-06	1.52E-05	2.56E-05	1.91E-06	1.85E-05	3.08E-05	2.13E-06	1.91E-05	3.42E-05	2.06E-06	2.02E-05	3.42E-05	1.88E-06	1.80E-05	3.01E-05
548	2.61E-06	2.50E-05	4.25E-05	2.24E-06	2.16E-05	3.63E-05	1.56E-06	1.52E-05	2.55E-05	1.91E-06	1.84E-05	3.08E-05	2.13E-06	1.90E-05	3.41E-05	2.06E-06	2.02E-05	3.42E-05	1.88E-06	1.79E-05	3.01E-05
549	2.61E-06	2.50E-05	4.24E-05	2.24E-06	2.16E-05	3.63E-05	1.56E-06	1.52E-05	2.55E-05	1.91E-06	1.84E-05	3.08E-05	2.13E-06	1.90E-05	3.40E-05	2.06E-06	2.02E-05	3.41E-05	1.88E-06	1.79E-05	3.01E-05
550	2.60E-06	2.50E-05	4.24E-05	2.23E-06	2.16E-05	3.61E-05	1.55E-06	1.52E-05	2.55E-05	1.91E-06	1.84E-05	3.08E-05	2.12E-06	1.90E-05	3.40E-05	2.06E-06	2.02E-05	3.41E-05	1.88E-06	1.79E-05	3.00E-05
551	2.60E-06	2.50E-05	4.24E-05	2.23E-06	2.16E-05	3.61E-05	1.55E-06	1.52E-05	2.55E-05	1.90E-06	1.84E-05	3.07E-05	2.12E-06	1.90E-05	3.40E-05	2.06E-06	2.01E-05	3.41E-05	1.87E-06	1.79E-05	3.00E-05
552	2.60E-06	2.50E-05	4.23E-05	2.23E-06	2.15E-05	3.61E-05	1.55E-06	1.51E-05	2.54E-05	1.90E-06	1.84E-05	3.06E-05	2.12E-06	1.90E-05	3.40E-05	2.06E-06	2.01E-05	3.41E-05	1.87E-06	1.79E-05	3.00E-05
553	2.60E-06	2.49E-05	4.21E-05	2.23E-06	2.15E-05	3.61E-05	1.55E-06	1.51E-05	2.54E-05	1.90E-06	1.84E-05	3.06E-05	2.12E-06	1.90E-05	3.40E-05	2.06E-06	2.01E-05	3.40E-05	1.87E-06	1.79E-05	3.00E-05
554	2.59E-06	2.49E-05	4.21E-05	2.23E-06	2.15E-05	3.60E-05	1.55E-06	1.51E-05	2.54E-05	1.90E-06	1.83E-05	3.06E-05	2.12E-06	1.89E-05	3.40E-05	2.05E-06	2.01E-05	3.40E-05	1.86E-06	1.78E-05	2.99E-05
555	2.59E-06	2.49E-05	4.21E-05	2.23E-06	2.15E-05	3.60E-05	1.55E-06	1.51E-05	2.54E-05	1.90E-06	1.83E-05	3.06E-05	2.12E-06	1.89E-05	3.39E-05	2.05E-06	2.01E-05	3.40E-05	1.86E-06	1.78E-05	2.98E-05
556	2.59E-06	2.49E-05	4.20E-05	2.22E-06	2.14E-05	3.60E-05	1.55E-06	1.50E-05	2.54E-05	1.89E-06	1.83E-05	3.05E-05	2.12E-06	1.89E-05	3.38E-05	2.05E-06	2.00E-05	3.39E-05	1.86E-06	1.78E-05	2.98E-05
557	2.59E-06	2.49E-05	4.20E-05	2.22E-06	2.14E-05	3.59E-05	1.54E-06	1.50E-05	2.53E-05	1.89E-06	1.83E-05	3.03E-05	2.12E-06	1.89E-05	3.38E-05	2.05E-06	2.00E-05	3.38E-05	1.86E-06	1.78E-05	2.98E-05
558	2.58E-06	2.49E-05	4.20E-05	2.22E-06	2.13E-05	3.59E-05	1.54E-06	1.50E-05	2.53E-05	1.89E-06	1.82E-05	3.02E-05	2.11E-06	1.89E-05	3.37E-05	2.05E-06	2.00E-05	3.38E-05	1.86E-06	1.78E-05	2.98E-05
559	2.58E-06	2.49E-05	4.19E-05	2.22E-06	2.13E-05	3.59E-05	1.54E-06	1.50E-05	2.53E-05	1.89E-06	1.82E-05	3.02E-05	2.11E-06	1.89E-05	3.37E-05	2.05E-06	2.00E-05	3.38E-05	1.86E-06	1.78E-05	2.98E-05
560	2.58E-06	2.49E-05	4.19E-05	2.22E-06	2.12E-05	3.58E-05	1.54E-06	1.50E-05	2.53E-05	1.89E-06	1.82E-05	3.01E-05	2.11E-06	1.89E-05	3.37E-05	2.04E-06	2.00E-05	3.37E-05	1.86E-06	1.78E-05	2.97E-05
561	2.58E-06	2.48E-05	4.19E-05	2.22E-06	2.12E-05	3.57E-05	1.54E-06	1.50E-05	2.53E-05	1.88E-06	1.82E-05	3.01E-05	2.11E-06	1.89E-05	3.37E-05	2.04E-06	2.00E-05	3.36E-05	1.86E-06	1.77E-05	2.97E-05
562	2.57E-06	2.48E-05	4.18E-05	2.21E-06	2.12E-05	3.57E-05	1.53E-06	1.49E-05	2.53E-05	1.88E-06	1.82E-05	3.01E-05	2.11E-06	1.89E-05	3.37E-05	2.04E-06	1.99E-05	3.36E-05	1.86E-06	1.77E-05	2.97E-05
563	2.57E-06	2.48E-05	4.17E-05	2.21E-06	2.12E-05	3.57E-05	1.53E-06	1.49E-05	2.52E-05	1.88E-06	1.81E-05	3.01E-05	2.11E-06	1.88E-05	3.36E-05	2.04E-06	1.99E-05	3.36E-05	1.85E-06	1.77E-05	2.96E-05
564	2.57E-06	2.47E-05	4.17E-05	2.21E-06	2.11E-05	3.57E-05	1.53E-06	1.49E-05	2.52E-05	1.88E-06	1.81E-05	3.01E-05	2.11E-06	1.88E-05	3.36E-05	2.04E-06	1.99E-05	3.36E-05	1.85E-06	1.77E-05	2.96E-05
565	2.57E-06	2.47E-05	4.16E-05	2.21E-06	2.11E-05	3.56E-05	1.53E-06	1.49E-05	2.52E-05	1.88E-06	1.80E-05	3.01E-05	2.11E-06	1.88E-05	3.35E-05	2.04E-06	1.99E-05	3.36E-05	1.85E-06	1.77E-05	2.96E-05
566	2.57E-06	2.46E-05	4.16E-05	2.21E-06	2.10E-05	3.56E-05	1.53E-06	1.49E-05	2.52E-05	1.87E-06	1.80E-05	3.01E-05	2.11E-06	1.88E-05	3.34E-05	2.04E-06	1.98E-05	3.35E-05	1.84E-06	1.77E-05	2.96E-05
567	2.57E-06	2.46E-05	4.16E-05	2.20E-06	2.10E-05	3.55E-05	1.53E-06	1.49E-05	2.51E-05	1.87E-06	1.80E-05	3.00E-05	2.11E-06	1.88E-05	3.34E-05	2.03E-06	1.98E-05	3.35E-05	1.84E-06	1.76E-05	2.96E-05
568	2.57E-06	2.46E-05	4.16E-05	2.20E-06	2.10E-05	3.55E-05	1.53E-06	1.49E-05	2.51E-05	1.87E-06	1.80E-05	2.99E-05	2.11E-06	1.88E-05	3.32E-05	2.03E-06	1.98E-05	3.35E-05	1.84E-06	1.76E-05	2.94E-05
569	2.56E-06	2.46E-05	4.16E-05	2.20E-06	2.10E-05	3.55E-05	1.53E-06	1.49E-05	2.51E-05	1.86E-06	1.80E-05	2.98E-05	2.10E-06	1.88E-05	3.32E-05	2.03E-06	1.98E-05	3.35E-05	1.84E-06	1.76E-05	2.94E-05
570	2.56E-06	2.45E-05	4.16E-05	2.20E-06	2.10E-05	3.55E-05	1.52E-06	1.48E-05	2.51E-05	1.86E-06	1.80E-05	2.98E-05	2.10E-06	1.88E-05	3.32E-05	2.03E-06	1.98E-05	3.34E-05	1.84E-06	1.76E-05	2.94E-05
571	2.56E-06	2.45E-05	4.16E-05	2.20E-06	2.09E-05	3.54E-05	1.52E-06	1.48E-05	2.51E-05	1.86E-06	1.80E-05	2.98E-05	2.10E-06	1.87E-05	3.32E-05	2.02E-06	1.98E-05	3.34E-05	1.84E-06	1.76E-05	2.94E-05
572	2.56E-06	2.45E-05	4.16E-05	2.20E-06	2.09E-05	3.53E-05	1.52E-06	1.48E-05	2.50E-05	1.86E-06	1.80E-05	2.98E-05	2.10E-06	1.87E-05	3.31E-05	2.02E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.94E-05
573	2.55E-06	2.45E-05	4.16E-05	2.19E-06	2.09E-05	3.53E-05	1.52E-06	1.48E-05	2.50E-05	1.85E-06	1.79E-05	2.98E-05	2.09E-06	1.87E-05	3.31E-05	2.02E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.94E-05
574	2.55E-06	2.45E-05	4.16E-05	2.19E-06	2.09E-05	3.53E-05	1.52E-06	1.48E-05	2.50E-05	1.85E-06	1.79E-05	2.97E-05	2.09E-06	1.87E-05	3.31E-05	2.00E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.94E-05
575	2.55E-06	2.44E-05	4.14E-05	2.19E-06	2.09E-05	3.52E-05	1.52E-06	1.48E-05	2.50E-05	1.84E-06	1.78E-05	2.97E-05	2.09E-06	1.87E-05	3.31E-05	2.00E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.93E-05
576	2.55E-06	2.44E-05	4.14E-05	2.19E-06	2.09E-05	3.50E-05	1.52E-06	1.48E-05	2.50E-05	1.84E-06	1.78E-05	2.97E-05	2.09E-06	1.87E-05	3.31E-05	2.00E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.93E-05
577	2.54E-06	2.44E-05	4.13E-05	2.18E-06	2.09E-05	3.49E-05	1.51E-06	1.48E-05	2.49E-05	1.84E-06	1.78E-05	2.97E-05	2.09E-06	1.86E-05	3.31E-05	2.00E-06	1.98E-05	3.33E-05	1.83E-06	1.76E-05	2.93E-05
578	2.54E-06	2.44E-05	4.13E-05	2.18E-06	2.09E-05	3.49E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
598	2.51E-06	2.38E-05	4.06E-05	2.14E-06	2.05E-05	3.43E-05	1.49E-06	1.42E-05	2.43E-05	1.80E-06	1.74E-05	2.91E-05	2.06E-06	1.82E-05	3.22E-05	1.98E-06	1.94E-05	3.27E-05	1.79E-06	1.72E-05	2.90E-05
599	2.51E-06	2.37E-05	4.06E-05	2.14E-06	2.05E-05	3.43E-05	1.49E-06	1.42E-05	2.43E-05	1.80E-06	1.74E-05	2.91E-05	2.05E-06	1.82E-05	3.22E-05	1.97E-06	1.94E-05	3.26E-05	1.79E-06	1.72E-05	2.89E-05
600	2.51E-06	2.37E-05	4.06E-05	2.14E-06	2.05E-05	3.43E-05	1.48E-06	1.42E-05	2.43E-05	1.79E-06	1.74E-05	2.90E-05	2.05E-06	1.82E-05	3.22E-05	1.97E-06	1.94E-05	3.26E-05	1.79E-06	1.72E-05	2.89E-05
601	2.50E-06	2.37E-05	4.06E-05	2.14E-06	2.04E-05	3.43E-05	1.48E-06	1.41E-05	2.42E-05	1.79E-06	1.74E-05	2.90E-05	2.05E-06	1.82E-05	3.22E-05	1.97E-06	1.93E-05	3.26E-05	1.79E-06	1.71E-05	2.89E-05
602	2.49E-06	2.37E-05	4.06E-05	2.13E-06	2.04E-05	3.43E-05	1.48E-06	1.41E-05	2.42E-05	1.79E-06	1.74E-05	2.90E-05	2.05E-06	1.82E-05	3.22E-05	1.97E-06	1.93E-05	3.26E-05	1.78E-06	1.71E-05	2.89E-05
603	2.48E-06	2.37E-05	4.06E-05	2.13E-06	2.04E-05	3.42E-05	1.47E-06	1.41E-05	2.42E-05	1.79E-06	1.74E-05	2.90E-05	2.05E-06	1.82E-05	3.21E-05	1.97E-06	1.93E-05	3.26E-05	1.78E-06	1.71E-05	2.89E-05
604	2.47E-06	2.37E-05	4.05E-05	2.13E-06	2.03E-05	3.42E-05	1.47E-06	1.41E-05	2.42E-05	1.79E-06	1.74E-05	2.90E-05	2.04E-06	1.81E-05	3.21E-05	1.96E-06	1.93E-05	3.26E-05	1.78E-06	1.71E-05	2.88E-05
605	2.47E-06	2.36E-05	4.05E-05	2.13E-06	2.03E-05	3.42E-05	1.47E-06	1.41E-05	2.42E-05	1.79E-06	1.73E-05	2.89E-05	2.04E-06	1.81E-05	3.20E-05	1.96E-06	1.93E-05	3.26E-05	1.78E-06	1.71E-05	2.88E-05
606	2.47E-06	2.36E-05	4.04E-05	2.12E-06	2.03E-05	3.41E-05	1.47E-06	1.41E-05	2.42E-05	1.79E-06	1.73E-05	2.89E-05	2.04E-06	1.81E-05	3.20E-05	1.96E-06	1.93E-05	3.25E-05	1.77E-06	1.71E-05	2.88E-05
607	2.47E-06	2.36E-05	4.04E-05	2.12E-06	2.03E-05	3.41E-05	1.46E-06	1.41E-05	2.42E-05	1.78E-06	1.73E-05	2.89E-05	2.04E-06	1.81E-05	3.20E-05	1.96E-06	1.92E-05	3.25E-05	1.77E-06	1.71E-05	2.87E-05
608	2.47E-06	2.36E-05	4.04E-05	2.12E-06	2.03E-05	3.41E-05	1.46E-06	1.40E-05	2.41E-05	1.78E-06	1.73E-05	2.89E-05	2.04E-06	1.81E-05	3.20E-05	1.96E-06	1.92E-05	3.25E-05	1.77E-06	1.71E-05	2.87E-05
609	2.47E-06	2.35E-05	4.03E-05	2.12E-06	2.03E-05	3.41E-05	1.46E-06	1.40E-05	2.40E-05	1.78E-06	1.73E-05	2.89E-05	2.04E-06	1.81E-05	3.20E-05	1.95E-06	1.92E-05	3.24E-05	1.77E-06	1.71E-05	2.87E-05
610	2.47E-06	2.35E-05	4.02E-05	2.11E-06	2.03E-05	3.40E-05	1.46E-06	1.40E-05	2.40E-05	1.78E-06	1.73E-05	2.89E-05	2.03E-06	1.81E-05	3.19E-05	1.95E-06	1.92E-05	3.24E-05	1.77E-06	1.71E-05	2.87E-05
611	2.46E-06	2.35E-05	4.01E-05	2.11E-06	2.03E-05	3.40E-05	1.46E-06	1.40E-05	2.40E-05	1.78E-06	1.73E-05	2.89E-05	2.03E-06	1.80E-05	3.19E-05	1.95E-06	1.92E-05	3.24E-05	1.77E-06	1.71E-05	2.87E-05
612	2.46E-06	2.35E-05	4.01E-05	2.10E-06	2.02E-05	3.40E-05	1.46E-06	1.40E-05	2.39E-05	1.78E-06	1.72E-05	2.88E-05	2.03E-06	1.80E-05	3.18E-05	1.95E-06	1.91E-05	3.24E-05	1.76E-06	1.70E-05	2.86E-05
613	2.46E-06	2.35E-05	4.00E-05	2.10E-06	2.02E-05	3.40E-05	1.46E-06	1.40E-05	2.39E-05	1.78E-06	1.72E-05	2.88E-05	2.03E-06	1.80E-05	3.18E-05	1.95E-06	1.91E-05	3.23E-05	1.76E-06	1.70E-05	2.86E-05
614	2.46E-06	2.34E-05	4.00E-05	2.10E-06	2.02E-05	3.39E-05	1.46E-06	1.40E-05	2.39E-05	1.77E-06	1.72E-05	2.87E-05	2.03E-06	1.79E-05	3.17E-05	1.94E-06	1.91E-05	3.23E-05	1.76E-06	1.70E-05	2.86E-05
615	2.46E-06	2.34E-05	4.00E-05	2.10E-06	2.02E-05	3.39E-05	1.46E-06	1.39E-05	2.39E-05	1.77E-06	1.72E-05	2.87E-05	2.03E-06	1.79E-05	3.16E-05	1.94E-06	1.91E-05	3.22E-05	1.76E-06	1.70E-05	2.86E-05
616	2.45E-06	2.34E-05	4.00E-05	2.10E-06	2.01E-05	3.38E-05	1.46E-06	1.39E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.03E-06	1.79E-05	3.16E-05	1.94E-06	1.91E-05	3.22E-05	1.76E-06	1.70E-05	2.86E-05
617	2.45E-06	2.34E-05	3.99E-05	2.10E-06	2.01E-05	3.38E-05	1.45E-06	1.39E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.79E-05	3.16E-05	1.94E-06	1.91E-05	3.22E-05	1.76E-06	1.70E-05	2.86E-05
618	2.45E-06	2.34E-05	3.99E-05	2.10E-06	2.01E-05	3.37E-05	1.45E-06	1.39E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.79E-05	3.16E-05	1.93E-06	1.91E-05	3.21E-05	1.76E-06	1.70E-05	2.86E-05
619	2.45E-06	2.33E-05	3.98E-05	2.09E-06	2.01E-05	3.37E-05	1.44E-06	1.39E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.79E-05	3.16E-05	1.93E-06	1.90E-05	3.21E-05	1.76E-06	1.70E-05	2.86E-05
620	2.45E-06	2.33E-05	3.98E-05	2.09E-06	2.00E-05	3.37E-05	1.44E-06	1.38E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.79E-05	3.16E-05	1.93E-06	1.90E-05	3.21E-05	1.76E-06	1.70E-05	2.85E-05
621	2.45E-06	2.33E-05	3.97E-05	2.09E-06	2.00E-05	3.37E-05	1.44E-06	1.38E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.79E-05	3.15E-05	1.93E-06	1.90E-05	3.20E-05	1.76E-06	1.69E-05	2.85E-05
622	2.45E-06	2.33E-05	3.97E-05	2.09E-06	2.00E-05	3.36E-05	1.43E-06	1.38E-05	2.38E-05	1.77E-06	1.71E-05	2.87E-05	2.02E-06	1.78E-05	3.14E-05	1.93E-06	1.90E-05	3.19E-05	1.76E-06	1.69E-05	2.85E-05
623	2.44E-06	2.32E-05	3.96E-05	2.09E-06	2.00E-05	3.36E-05	1.43E-06	1.38E-05	2.38E-05	1.77E-06	1.70E-05	2.86E-05	2.01E-06	1.78E-05	3.14E-05	1.93E-06	1.90E-05	3.19E-05	1.76E-06	1.68E-05	2.85E-05
624	2.44E-06	2.32E-05	3.96E-05	2.08E-06	2.00E-05	3.36E-05	1.43E-06	1.38E-05	2.37E-05	1.77E-06	1.70E-05	2.85E-05	2.01E-06	1.78E-05	3.14E-05	1.93E-06	1.90E-05	3.19E-05	1.76E-06	1.68E-05	2.84E-05
625	2.44E-06	2.32E-05	3.96E-05	2.08E-06	2.00E-05	3.36E-05	1.43E-06	1.38E-05	2.37E-05	1.76E-06	1.70E-05	2.85E-05	2.00E-06	1.78E-05	3.14E-05	1.93E-06	1.89E-05	3.19E-05	1.76E-06	1.68E-05	2.84E-05
626	2.44E-06	2.32E-05	3.95E-05	2.08E-06	1.99E-05	3.36E-05	1.43E-06	1.38E-05	2.37E-05	1.76E-06	1.70E-05	2.85E-05	2.00E-06	1.78E-05	3.13E-05	1.93E-06	1.89E-05	3.18E-05	1.75E-06	1.68E-05	2.84E-05
627	2.44E-06	2.31E-05	3.95E-05	2.08E-06	1.99E-05	3.35E-05	1.43E-06	1.38E-05	2.36E-05	1.76E-06	1.69E-05	2.85E-05	2.00E-06	1.78E-05	3.13E-05	1.92E-06	1.89E-05	3.18E-05	1.75E-06	1.68E-05	2.84E-05
628	2.44E-06	2.31E-05	3.95E-05	2.08E-06	1.99E-05	3.35E-05	1.43E-06	1.38E-05	2.36E-05	1.76E-06	1.69E-05	2.85E-05	2.00E-06	1.77E-05	3.13E-05	1.92E-06	1.89E-05	3.18E-05	1.75E-06	1.68E-05	2.83E-05
629	2.44E-06	2.30E-05	3.95E-05	2.07E-06	1.98E-05	3.35E-05	1.43E-06	1.38E-05	2.36E-05	1.76E-06	1.69E-05	2.85E-05	1.99E-06	1.77E-05	3.12E-05	1.92E-06	1.89E-05	3.17E-05	1.75E-06	1.67E-05	2.83E-05
630	2.43E-06	2.29E-05	3.94E-05	2.07E-06	1.98E-05	3.35E-05	1.42E-06	1.38E-05	2.35E-05	1.76E-06	1.69E-05	2.84E-05	1.99E-06	1.77E-05	3.12E-05	1.92E-06	1.88E-05	3.17E-05	1.75E-06	1.67E-05	2.83E-05
631	2.42E-06	2.28E-05	3.94E-05	2.06E-06	1.98E-05	3.35E-05	1.42E-06	1.38E-05	2.35E-05	1.76E-06	1.69E-05	2.84E-05	1.99E-06	1.77E-05	3.11E-05	1.92E-06	1.88E-05	3.17E-05	1.74E-06	1.67E-05	2.83E-05
632	2.42E-06	2.28E-05	3.94E-05	2.06E-06	1.98E-05	3.35E-05	1.42E-06	1.37E-05	2.35E-05	1.76E-06	1.69E-05	2.84E-05	1.99E-06	1.77E-05	3.11E-05	1.92E-06	1.88E-05	3.17E-05	1.74E-06	1.67E-05	2.82E-05
633	2.42E-06	2.27E-05	3.94E-05	2.06E-06	1.97E-05	3.33E-05	1.42E-06	1.37E-05	2.35E-05	1.76E-06	1.69E-05	2.84E-05	1.99E-06	1.77E-05	3.11E-05	1.92E-06	1.88E-05	3.16E-05	1.74E-06	1.67E-05	2.82E-05
634	2.42E-06	2.27E-05	3.94E-05	2.06E-06	1.97E-05	3.33E-05	1.42E-06	1.37E-05	2.34E-05	1.75E-06	1.69E-05	2.83E-05	1.99E-06	1.77E-05	3.11E-05	1.92E-06	1.88E-05	3.16E-05	1.74E-06	1.67E-05	2.82E-05
635	2.40E-06	2.27E-05	3.93E-05	2.06E-06	1.97E-05	3.33E-05	1.42E-06	1.37E-05	2.34E-05	1.75E-06	1.69E-05	2.83E-05	1.98E-06	1.77E-05	3.10E-05	1.92E-06	1.88E-05	3.16E-05	1.74E-06	1.67E-05	2.81E-05
636	2.40E-06	2.26E-05	3.93E-05	2.05E-06	1.97E-05	3.32E-05	1.42E-06	1.37E-05	2.34E-05	1.75E-06	1.68E-05	2.83E-05	1.98E-06	1.76E-05	3.09E-05	1.92E-06	1.88E-05	3.16E-05	1.74E-06	1.67E-05	2.81E-05
637	2.40E-06	2.26E-05	3.93E-05	2.05E-06	1.97E-05	3.32E-05	1.41E-06	1.37E-05	2.34E-05	1.75E-06	1.68E-05	2.82E-05	1.98E-06	1.76E-05	3.09E-05	1.91E-06	1.88E-05	3.16E-05	1.74E-06	1.66E-05	2.79E-05
638	2.40E-06	2.26E-05	3.93E-05	2.05E-06	1.97E-05	3.31E-05	1.41E-06	1.37E-05	2.34E-05	1.75E-06	1.68E-05	2.82E-05	1.98E-06	1.76E-05	3.09E-05	1.91E-06	1.88E-05	3.15E-05	1.74E-06	1.66E-05	2.79E-05
639	2.40E-06	2.26E-05	3.92E-05	2.05E-06	1.97E-05	3.31E-05	1.41E-06	1.37E-05	2.34E-05	1.75E-06	1.68E-05	2.82E-05	1.98E-06	1.76E-05	3.09E-05	1.91E-06	1.87E-05	3.15E-05	1.73E-06	1.66E-05	2.79E-05
640	2.39E-06	2.25E-05	3.92E-05	2.04E-06	1.97E-05	3.31E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
660	2.34E-06	2.21E-05	3.86E-05	2.02E-06	1.91E-05	3.25E-05	1.39E-06	1.36E-05	2.28E-05	1.72E-06	1.66E-05	2.78E-05	1.94E-06	1.72E-05	3.04E-05	1.89E-06	1.83E-05	3.09E-05	1.71E-06	1.61E-05	2.74E-05
661	2.34E-06	2.21E-05	3.85E-05	2.02E-06	1.91E-05	3.25E-05	1.39E-06	1.35E-05	2.28E-05	1.72E-06	1.65E-05	2.78E-05	1.94E-06	1.72E-05	3.04E-05	1.88E-06	1.83E-05	3.09E-05	1.70E-06	1.61E-05	2.74E-05
662	2.34E-06	2.21E-05	3.85E-05	2.01E-06	1.90E-05	3.25E-05	1.39E-06	1.35E-05	2.28E-05	1.72E-06	1.65E-05	2.78E-05	1.94E-06	1.72E-05	3.04E-05	1.88E-06	1.83E-05	3.08E-05	1.70E-06	1.61E-05	2.74E-05
663	2.34E-06	2.20E-05	3.85E-05	2.01E-06	1.90E-05	3.25E-05	1.38E-06	1.35E-05	2.28E-05	1.72E-06	1.65E-05	2.78E-05	1.94E-06	1.72E-05	3.03E-05	1.88E-06	1.83E-05	3.08E-05	1.70E-06	1.61E-05	2.73E-05
664	2.34E-06	2.20E-05	3.84E-05	2.01E-06	1.90E-05	3.25E-05	1.38E-06	1.35E-05	2.28E-05	1.72E-06	1.65E-05	2.77E-05	1.93E-06	1.72E-05	3.03E-05	1.88E-06	1.83E-05	3.08E-05	1.70E-06	1.60E-05	2.73E-05
665	2.33E-06	2.20E-05	3.83E-05	2.00E-06	1.90E-05	3.24E-05	1.38E-06	1.34E-05	2.28E-05	1.72E-06	1.65E-05	2.77E-05	1.93E-06	1.72E-05	3.03E-05	1.88E-06	1.82E-05	3.08E-05	1.70E-06	1.60E-05	2.73E-05
666	2.33E-06	2.19E-05	3.82E-05	2.00E-06	1.90E-05	3.24E-05	1.38E-06	1.34E-05	2.28E-05	1.72E-06	1.65E-05	2.77E-05	1.93E-06	1.72E-05	3.02E-05	1.88E-06	1.82E-05	3.08E-05	1.70E-06	1.59E-05	2.72E-05
667	2.33E-06	2.19E-05	3.82E-05	2.00E-06	1.90E-05	3.24E-05	1.38E-06	1.34E-05	2.27E-05	1.72E-06	1.64E-05	2.77E-05	1.93E-06	1.72E-05	3.02E-05	1.88E-06	1.82E-05	3.07E-05	1.70E-06	1.59E-05	2.72E-05
668	2.33E-06	2.18E-05	3.82E-05	2.00E-06	1.89E-05	3.24E-05	1.38E-06	1.34E-05	2.27E-05	1.72E-06	1.64E-05	2.77E-05	1.93E-06	1.71E-05	3.01E-05	1.88E-06	1.82E-05	3.07E-05	1.70E-06	1.59E-05	2.71E-05
669	2.33E-06	2.18E-05	3.82E-05	1.99E-06	1.89E-05	3.24E-05	1.37E-06	1.34E-05	2.27E-05	1.72E-06	1.64E-05	2.76E-05	1.93E-06	1.71E-05	3.00E-05	1.88E-06	1.82E-05	3.07E-05	1.70E-06	1.59E-05	2.71E-05
670	2.33E-06	2.18E-05	3.81E-05	1.99E-06	1.89E-05	3.24E-05	1.37E-06	1.34E-05	2.27E-05	1.71E-06	1.64E-05	2.76E-05	1.93E-06	1.70E-05	3.00E-05	1.88E-06	1.82E-05	3.07E-05	1.69E-06	1.59E-05	2.71E-05
671	2.33E-06	2.17E-05	3.81E-05	1.99E-06	1.89E-05	3.23E-05	1.37E-06	1.33E-05	2.27E-05	1.71E-06	1.64E-05	2.76E-05	1.93E-06	1.70E-05	3.00E-05	1.87E-06	1.81E-05	3.06E-05	1.69E-06	1.59E-05	2.71E-05
672	2.33E-06	2.17E-05	3.81E-05	1.99E-06	1.89E-05	3.23E-05	1.37E-06	1.33E-05	2.26E-05	1.71E-06	1.63E-05	2.76E-05	1.93E-06	1.70E-05	3.00E-05	1.87E-06	1.81E-05	3.06E-05	1.68E-06	1.59E-05	2.71E-05
673	2.32E-06	2.17E-05	3.81E-05	1.99E-06	1.89E-05	3.23E-05	1.37E-06	1.33E-05	2.26E-05	1.71E-06	1.63E-05	2.76E-05	1.92E-06	1.70E-05	3.00E-05	1.87E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.71E-05
674	2.32E-06	2.16E-05	3.80E-05	1.99E-06	1.88E-05	3.23E-05	1.36E-06	1.33E-05	2.25E-05	1.71E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	3.00E-05	1.87E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.71E-05
675	2.32E-06	2.16E-05	3.80E-05	1.98E-06	1.88E-05	3.22E-05	1.36E-06	1.33E-05	2.25E-05	1.71E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	3.00E-05	1.87E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.70E-05
676	2.31E-06	2.16E-05	3.80E-05	1.98E-06	1.88E-05	3.22E-05	1.36E-06	1.33E-05	2.25E-05	1.71E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	2.99E-05	1.86E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.70E-05
677	2.31E-06	2.16E-05	3.80E-05	1.98E-06	1.88E-05	3.22E-05	1.36E-06	1.32E-05	2.25E-05	1.71E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	2.99E-05	1.86E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.70E-05
678	2.31E-06	2.15E-05	3.79E-05	1.98E-06	1.88E-05	3.22E-05	1.36E-06	1.32E-05	2.24E-05	1.71E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	2.99E-05	1.86E-06	1.81E-05	3.06E-05	1.68E-06	1.58E-05	2.70E-05
679	2.31E-06	2.15E-05	3.79E-05	1.98E-06	1.88E-05	3.22E-05	1.36E-06	1.32E-05	2.24E-05	1.70E-06	1.63E-05	2.75E-05	1.92E-06	1.70E-05	2.99E-05	1.86E-06	1.81E-05	3.05E-05	1.68E-06	1.57E-05	2.69E-05
680	2.30E-06	2.15E-05	3.79E-05	1.98E-06	1.88E-05	3.21E-05	1.36E-06	1.32E-05	2.24E-05	1.70E-06	1.63E-05	2.74E-05	1.92E-06	1.69E-05	2.99E-05	1.85E-06	1.80E-05	3.05E-05	1.68E-06	1.57E-05	2.69E-05
681	2.30E-06	2.15E-05	3.78E-05	1.97E-06	1.87E-05	3.21E-05	1.36E-06	1.32E-05	2.24E-05	1.70E-06	1.63E-05	2.74E-05	1.91E-06	1.69E-05	2.99E-05	1.85E-06	1.80E-05	3.05E-05	1.68E-06	1.57E-05	2.69E-05
682	2.30E-06	2.14E-05	3.78E-05	1.97E-06	1.87E-05	3.21E-05	1.36E-06	1.32E-05	2.24E-05	1.70E-06	1.62E-05	2.74E-05	1.91E-06	1.69E-05	2.99E-05	1.85E-06	1.80E-05	3.05E-05	1.67E-06	1.57E-05	2.68E-05
683	2.30E-06	2.14E-05	3.77E-05	1.96E-06	1.87E-05	3.21E-05	1.35E-06	1.31E-05	2.24E-05	1.70E-06	1.62E-05	2.74E-05	1.91E-06	1.69E-05	2.99E-05	1.85E-06	1.80E-05	3.04E-05	1.67E-06	1.57E-05	2.68E-05
684	2.30E-06	2.14E-05	3.77E-05	1.96E-06	1.87E-05	3.21E-05	1.35E-06	1.31E-05	2.23E-05	1.70E-06	1.62E-05	2.74E-05	1.91E-06	1.69E-05	2.98E-05	1.85E-06	1.80E-05	3.04E-05	1.67E-06	1.57E-05	2.68E-05
685	2.30E-06	2.14E-05	3.77E-05	1.95E-06	1.87E-05	3.21E-05	1.35E-06	1.31E-05	2.23E-05	1.69E-06	1.62E-05	2.74E-05	1.91E-06	1.69E-05	2.98E-05	1.84E-06	1.80E-05	3.04E-05	1.67E-06	1.56E-05	2.68E-05
686	2.30E-06	2.14E-05	3.77E-05	1.95E-06	1.87E-05	3.20E-05	1.35E-06	1.31E-05	2.23E-05	1.69E-06	1.62E-05	2.74E-05	1.91E-06	1.69E-05	2.98E-05	1.84E-06	1.80E-05	3.04E-05	1.67E-06	1.56E-05	2.68E-05
687	2.30E-06	2.14E-05	3.76E-05	1.95E-06	1.87E-05	3.20E-05	1.35E-06	1.31E-05	2.23E-05	1.69E-06	1.62E-05	2.73E-05	1.91E-06	1.69E-05	2.98E-05	1.84E-06	1.79E-05	3.04E-05	1.67E-06	1.56E-05	2.68E-05
688	2.30E-06	2.13E-05	3.76E-05	1.95E-06	1.86E-05	3.19E-05	1.35E-06	1.31E-05	2.22E-05	1.69E-06	1.62E-05	2.73E-05	1.91E-06	1.69E-05	2.98E-05	1.84E-06	1.79E-05	3.04E-05	1.67E-06	1.56E-05	2.68E-05
689	2.29E-06	2.13E-05	3.75E-05	1.95E-06	1.86E-05	3.19E-05	1.34E-06	1.31E-05	2.22E-05	1.69E-06	1.62E-05	2.73E-05	1.90E-06	1.69E-05	2.97E-05	1.84E-06	1.79E-05	3.04E-05	1.67E-06	1.56E-05	2.68E-05
690	2.29E-06	2.13E-05	3.75E-05	1.95E-06	1.86E-05	3.19E-05	1.34E-06	1.31E-05	2.22E-05	1.69E-06	1.62E-05	2.73E-05	1.89E-06	1.68E-05	2.97E-05	1.84E-06	1.79E-05	3.03E-05	1.66E-06	1.56E-05	2.67E-05
691	2.29E-06	2.13E-05	3.75E-05	1.95E-06	1.86E-05	3.19E-05	1.34E-06	1.31E-05	2.22E-05	1.69E-06	1.61E-05	2.73E-05	1.89E-06	1.68E-05	2.97E-05	1.84E-06	1.79E-05	3.03E-05	1.66E-06	1.56E-05	2.67E-05
692	2.29E-06	2.13E-05	3.75E-05	1.95E-06	1.86E-05	3.18E-05	1.34E-06	1.31E-05	2.21E-05	1.69E-06	1.61E-05	2.72E-05	1.89E-06	1.68E-05	2.96E-05	1.83E-06	1.79E-05	3.03E-05	1.66E-06	1.56E-05	2.67E-05
693	2.28E-06	2.13E-05	3.74E-05	1.94E-06	1.86E-05	3.18E-05	1.34E-06	1.30E-05	2.21E-05	1.69E-06	1.61E-05	2.72E-05	1.89E-06	1.68E-05	2.96E-05	1.83E-06	1.79E-05	3.03E-05	1.66E-06	1.56E-05	2.67E-05
694	2.28E-06	2.13E-05	3.74E-05	1.94E-06	1.86E-05	3.17E-05	1.34E-06	1.30E-05	2.21E-05	1.69E-06	1.61E-05	2.72E-05	1.89E-06	1.68E-05	2.96E-05	1.83E-06	1.79E-05	3.03E-05	1.66E-06	1.55E-05	2.67E-05
695	2.28E-06	2.13E-05	3.73E-05	1.94E-06	1.85E-05	3.17E-05	1.34E-06	1.30E-05	2.20E-05	1.69E-06	1.61E-05	2.72E-05	1.89E-06	1.68E-05	2.95E-05	1.83E-06	1.78E-05	3.03E-05	1.66E-06	1.55E-05	2.67E-05
696	2.28E-06	2.13E-05	3.73E-05	1.94E-06	1.85E-05	3.17E-05	1.34E-06	1.30E-05	2.20E-05	1.68E-06	1.61E-05	2.71E-05	1.89E-06	1.68E-05	2.94E-05	1.83E-06	1.78E-05	3.03E-05	1.65E-06	1.55E-05	2.67E-05
697	2.27E-06	2.12E-05	3.73E-05	1.94E-06	1.85E-05	3.17E-05	1.34E-06	1.30E-05	2.20E-05	1.68E-06	1.61E-05	2.71E-05	1.88E-06	1.68E-05	2.94E-05	1.83E-06	1.78E-05	3.02E-05	1.65E-06	1.54E-05	2.66E-05
698	2.27E-06	2.12E-05	3.73E-05	1.94E-06	1.85E-05	3.17E-05	1.33E-06	1.29E-05	2.20E-05	1.68E-06	1.60E-05	2.71E-05	1.88E-06	1.67E-05	2.94E-05	1.83E-06	1.78E-05	3.01E-05	1.65E-06	1.54E-05	2.66E-05
699	2.26E-06	2.12E-05	3.72E-05	1.94E-06	1.85E-05	3.16E-05	1.33E-06	1.29E-05	2.20E-05	1.68E-06	1.60E-05	2.71E-05	1.88E-06	1.67E-05	2.94E-05	1.83E-06	1.78E-05	3.01E-05	1.65E-06	1.54E-05	2.66E-05
700	2.26E-06	2.12E-05	3.72E-05	1.93E-06	1.84E-05	3.16E-05	1.33E-06	1.29E-05	2.20E-05	1.68E-06	1.60E-05	2.71E-05	1.87E-06	1.67E-05	2.94E-05	1.83E-06	1.78E-05	3.01E-05	1.65E-06	1.54E-05	2.66E-05
701	2.26E-06	2.12E-05	3.70E-05	1.93E-06	1.84E-05	3.16E-05	1.33E-06	1.29E-05	2.20E-05	1.68E-06	1.60E-05	2.71E-05	1.87E-06	1.67E-05	2.94E-05	1.82E-06	1.78E-05	3.01E-05	1.65E-06	1.54E-05	2.66E-05
702	2.26E-06	2.12E-05	3.70E-05	1.93E-06	1.84E-05	3.16E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
722	2.21E-06	2.08E-05	3.64E-05	1.90E-06	1.81E-05	3.10E-05	1.30E-06	1.26E-05	2.16E-05	1.66E-06	1.56E-05	2.67E-05	1.84E-06	1.65E-05	2.88E-05	1.80E-06	1.74E-05	2.96E-05	1.63E-06	1.52E-05	2.61E-05
723	2.21E-06	2.08E-05	3.64E-05	1.90E-06	1.81E-05	3.09E-05	1.30E-06	1.26E-05	2.15E-05	1.66E-06	1.56E-05	2.67E-05	1.84E-06	1.65E-05	2.88E-05	1.80E-06	1.74E-05	2.96E-05	1.63E-06	1.52E-05	2.61E-05
724	2.21E-06	2.08E-05	3.64E-05	1.89E-06	1.81E-05	3.09E-05	1.30E-06	1.26E-05	2.15E-05	1.65E-06	1.56E-05	2.67E-05	1.84E-06	1.65E-05	2.88E-05	1.80E-06	1.73E-05	2.95E-05	1.63E-06	1.51E-05	2.61E-05
725	2.21E-06	2.08E-05	3.63E-05	1.89E-06	1.80E-05	3.09E-05	1.30E-06	1.26E-05	2.15E-05	1.65E-06	1.56E-05	2.67E-05	1.84E-06	1.65E-05	2.88E-05	1.80E-06	1.73E-05	2.95E-05	1.63E-06	1.51E-05	2.61E-05
726	2.21E-06	2.07E-05	3.63E-05	1.89E-06	1.80E-05	3.09E-05	1.29E-06	1.26E-05	2.15E-05	1.65E-06	1.55E-05	2.66E-05	1.83E-06	1.65E-05	2.88E-05	1.80E-06	1.73E-05	2.95E-05	1.62E-06	1.51E-05	2.61E-05
727	2.21E-06	2.07E-05	3.63E-05	1.89E-06	1.80E-05	3.08E-05	1.29E-06	1.26E-05	2.14E-05	1.65E-06	1.55E-05	2.66E-05	1.83E-06	1.65E-05	2.87E-05	1.79E-06	1.73E-05	2.95E-05	1.62E-06	1.51E-05	2.61E-05
728	2.21E-06	2.07E-05	3.63E-05	1.89E-06	1.80E-05	3.08E-05	1.29E-06	1.25E-05	2.14E-05	1.64E-06	1.55E-05	2.66E-05	1.83E-06	1.64E-05	2.87E-05	1.79E-06	1.73E-05	2.94E-05	1.62E-06	1.51E-05	2.61E-05
729	2.21E-06	2.07E-05	3.62E-05	1.89E-06	1.80E-05	3.08E-05	1.29E-06	1.25E-05	2.14E-05	1.64E-06	1.55E-05	2.65E-05	1.83E-06	1.64E-05	2.87E-05	1.79E-06	1.73E-05	2.94E-05	1.62E-06	1.51E-05	2.60E-05
730	2.20E-06	2.07E-05	3.62E-05	1.88E-06	1.80E-05	3.08E-05	1.29E-06	1.25E-05	2.14E-05	1.64E-06	1.54E-05	2.65E-05	1.83E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.94E-05	1.62E-06	1.50E-05	2.60E-05
731	2.20E-06	2.07E-05	3.61E-05	1.88E-06	1.79E-05	3.07E-05	1.29E-06	1.25E-05	2.14E-05	1.64E-06	1.54E-05	2.65E-05	1.83E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.94E-05	1.62E-06	1.50E-05	2.60E-05
732	2.20E-06	2.07E-05	3.61E-05	1.88E-06	1.79E-05	3.07E-05	1.29E-06	1.25E-05	2.13E-05	1.64E-06	1.54E-05	2.65E-05	1.82E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.94E-05	1.62E-06	1.50E-05	2.60E-05
733	2.20E-06	2.07E-05	3.61E-05	1.88E-06	1.79E-05	3.06E-05	1.29E-06	1.25E-05	2.13E-05	1.64E-06	1.54E-05	2.65E-05	1.82E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.94E-05	1.61E-06	1.50E-05	2.59E-05
734	2.19E-06	2.06E-05	3.60E-05	1.88E-06	1.79E-05	3.06E-05	1.29E-06	1.25E-05	2.13E-05	1.63E-06	1.54E-05	2.65E-05	1.82E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.93E-05	1.61E-06	1.50E-05	2.59E-05
735	2.19E-06	2.06E-05	3.60E-05	1.88E-06	1.79E-05	3.05E-05	1.29E-06	1.25E-05	2.13E-05	1.63E-06	1.54E-05	2.64E-05	1.82E-06	1.64E-05	2.87E-05	1.79E-06	1.72E-05	2.93E-05	1.61E-06	1.50E-05	2.59E-05
736	2.19E-06	2.06E-05	3.59E-05	1.88E-06	1.79E-05	3.05E-05	1.28E-06	1.25E-05	2.13E-05	1.63E-06	1.54E-05	2.64E-05	1.82E-06	1.63E-05	2.86E-05	1.79E-06	1.71E-05	2.93E-05	1.61E-06	1.50E-05	2.59E-05
737	2.19E-06	2.06E-05	3.59E-05	1.87E-06	1.79E-05	3.05E-05	1.28E-06	1.24E-05	2.13E-05	1.63E-06	1.54E-05	2.64E-05	1.81E-06	1.63E-05	2.86E-05	1.79E-06	1.71E-05	2.93E-05	1.61E-06	1.50E-05	2.59E-05
738	2.19E-06	2.06E-05	3.58E-05	1.87E-06	1.78E-05	3.05E-05	1.28E-06	1.24E-05	2.13E-05	1.62E-06	1.53E-05	2.64E-05	1.81E-06	1.63E-05	2.86E-05	1.79E-06	1.71E-05	2.92E-05	1.61E-06	1.49E-05	2.59E-05
739	2.19E-06	2.06E-05	3.58E-05	1.87E-06	1.78E-05	3.04E-05	1.28E-06	1.24E-05	2.12E-05	1.62E-06	1.53E-05	2.64E-05	1.81E-06	1.63E-05	2.85E-05	1.78E-06	1.71E-05	2.92E-05	1.61E-06	1.49E-05	2.59E-05
740	2.19E-06	2.05E-05	3.58E-05	1.87E-06	1.78E-05	3.04E-05	1.28E-06	1.24E-05	2.12E-05	1.62E-06	1.53E-05	2.64E-05	1.81E-06	1.63E-05	2.85E-05	1.78E-06	1.71E-05	2.92E-05	1.60E-06	1.49E-05	2.59E-05
741	2.19E-06	2.05E-05	3.57E-05	1.87E-06	1.78E-05	3.04E-05	1.28E-06	1.24E-05	2.12E-05	1.62E-06	1.53E-05	2.64E-05	1.80E-06	1.63E-05	2.85E-05	1.78E-06	1.71E-05	2.91E-05	1.60E-06	1.49E-05	2.58E-05
742	2.19E-06	2.05E-05	3.57E-05	1.86E-06	1.78E-05	3.04E-05	1.28E-06	1.24E-05	2.12E-05	1.62E-06	1.53E-05	2.64E-05	1.80E-06	1.62E-05	2.85E-05	1.78E-06	1.70E-05	2.90E-05	1.60E-06	1.49E-05	2.58E-05
743	2.19E-06	2.05E-05	3.57E-05	1.86E-06	1.78E-05	3.04E-05	1.28E-06	1.24E-05	2.11E-05	1.62E-06	1.53E-05	2.63E-05	1.80E-06	1.62E-05	2.85E-05	1.78E-06	1.70E-05	2.90E-05	1.60E-06	1.49E-05	2.58E-05
744	2.19E-06	2.04E-05	3.55E-05	1.86E-06	1.78E-05	3.03E-05	1.28E-06	1.24E-05	2.11E-05	1.61E-06	1.53E-05	2.63E-05	1.80E-06	1.62E-05	2.85E-05	1.78E-06	1.70E-05	2.90E-05	1.60E-06	1.49E-05	2.58E-05
745	2.19E-06	2.04E-05	3.55E-05	1.86E-06	1.78E-05	3.03E-05	1.28E-06	1.23E-05	2.11E-05	1.61E-06	1.53E-05	2.63E-05	1.80E-06	1.62E-05	2.84E-05	1.78E-06	1.70E-05	2.90E-05	1.60E-06	1.49E-05	2.58E-05
746	2.18E-06	2.04E-05	3.55E-05	1.86E-06	1.77E-05	3.03E-05	1.28E-06	1.23E-05	2.10E-05	1.61E-06	1.53E-05	2.63E-05	1.80E-06	1.62E-05	2.84E-05	1.78E-06	1.70E-05	2.90E-05	1.60E-06	1.49E-05	2.58E-05
747	2.18E-06	2.04E-05	3.55E-05	1.86E-06	1.77E-05	3.03E-05	1.28E-06	1.23E-05	2.10E-05	1.61E-06	1.53E-05	2.63E-05	1.80E-06	1.61E-05	2.84E-05	1.77E-06	1.70E-05	2.90E-05	1.60E-06	1.48E-05	2.58E-05
748	2.17E-06	2.04E-05	3.54E-05	1.86E-06	1.77E-05	3.03E-05	1.28E-06	1.23E-05	2.10E-05	1.61E-06	1.52E-05	2.63E-05	1.79E-06	1.61E-05	2.84E-05	1.77E-06	1.70E-05	2.89E-05	1.59E-06	1.48E-05	2.58E-05
749	2.17E-06	2.04E-05	3.54E-05	1.86E-06	1.77E-05	3.03E-05	1.28E-06	1.23E-05	2.10E-05	1.61E-06	1.52E-05	2.63E-05	1.79E-06	1.61E-05	2.83E-05	1.77E-06	1.70E-05	2.88E-05	1.59E-06	1.48E-05	2.57E-05
750	2.17E-06	2.04E-05	3.54E-05	1.86E-06	1.77E-05	3.02E-05	1.27E-06	1.23E-05	2.08E-05	1.61E-06	1.52E-05	2.62E-05	1.79E-06	1.61E-05	2.82E-05	1.77E-06	1.70E-05	2.88E-05	1.59E-06	1.48E-05	2.57E-05
751	2.17E-06	2.03E-05	3.53E-05	1.85E-06	1.77E-05	3.02E-05	1.27E-06	1.23E-05	2.08E-05	1.61E-06	1.52E-05	2.62E-05	1.79E-06	1.61E-05	2.82E-05	1.77E-06	1.70E-05	2.88E-05	1.59E-06	1.48E-05	2.57E-05
752	2.17E-06	2.03E-05	3.53E-05	1.85E-06	1.77E-05	3.01E-05	1.27E-06	1.23E-05	2.08E-05	1.61E-06	1.52E-05	2.62E-05	1.79E-06	1.61E-05	2.82E-05	1.76E-06	1.69E-05	2.88E-05	1.59E-06	1.48E-05	2.57E-05
753	2.17E-06	2.03E-05	3.53E-05	1.85E-06	1.77E-05	3.01E-05	1.27E-06	1.23E-05	2.08E-05	1.61E-06	1.52E-05	2.62E-05	1.79E-06	1.61E-05	2.82E-05	1.76E-06	1.69E-05	2.87E-05	1.59E-06	1.47E-05	2.57E-05
754	2.17E-06	2.03E-05	3.52E-05	1.85E-06	1.77E-05	3.01E-05	1.27E-06	1.23E-05	2.08E-05	1.61E-06	1.52E-05	2.61E-05	1.79E-06	1.61E-05	2.82E-05	1.76E-06	1.69E-05	2.87E-05	1.59E-06	1.47E-05	2.57E-05
755	2.17E-06	2.03E-05	3.51E-05	1.84E-06	1.77E-05	3.00E-05	1.27E-06	1.23E-05	2.08E-05	1.60E-06	1.52E-05	2.61E-05	1.79E-06	1.60E-05	2.82E-05	1.76E-06	1.69E-05	2.87E-05	1.58E-06	1.47E-05	2.56E-05
756	2.17E-06	2.02E-05	3.51E-05	1.84E-06	1.76E-05	3.00E-05	1.27E-06	1.22E-05	2.08E-05	1.60E-06	1.51E-05	2.61E-05	1.78E-06	1.60E-05	2.82E-05	1.76E-06	1.69E-05	2.87E-05	1.58E-06	1.46E-05	2.55E-05
757	2.17E-06	2.02E-05	3.51E-05	1.84E-06	1.76E-05	3.00E-05	1.26E-06	1.22E-05	2.08E-05	1.60E-06	1.51E-05	2.61E-05	1.78E-06	1.60E-05	2.82E-05	1.76E-06	1.68E-05	2.87E-05	1.58E-06	1.46E-05	2.55E-05
758	2.17E-06	2.02E-05	3.51E-05	1.84E-06	1.76E-05	3.00E-05	1.26E-06	1.22E-05	2.08E-05	1.60E-06	1.51E-05	2.61E-05	1.78E-06	1.60E-05	2.81E-05	1.76E-06	1.68E-05	2.87E-05	1.57E-06	1.46E-05	2.55E-05
759	2.16E-06	2.02E-05	3.50E-05	1.84E-06	1.76E-05	3.00E-05	1.26E-06	1.22E-05	2.07E-05	1.60E-06	1.51E-05	2.60E-05	1.78E-06	1.60E-05	2.81E-05	1.76E-06	1.68E-05	2.87E-05	1.57E-06	1.46E-05	2.55E-05
760	2.16E-06	2.02E-05	3.50E-05	1.84E-06	1.76E-05	2.99E-05	1.26E-06	1.22E-05	2.07E-05	1.59E-06	1.51E-05	2.60E-05	1.78E-06	1.60E-05	2.81E-05	1.76E-06	1.68E-05	2.86E-05	1.56E-06	1.46E-05	2.55E-05
761	2.16E-06	2.01E-05	3.50E-05	1.84E-06	1.76E-05	2.99E-05	1.26E-06	1.22E-05	2.07E-05	1.59E-06	1.51E-05	2.60E-05	1.78E-06	1.60E-05	2.81E-05	1.75E-06	1.68E-05	2.86E-05	1.56E-06	1.46E-05	2.55E-05
762	2.16E-06	2.01E-05	3.50E-05	1.84E-06	1.75E-05	2.99E-05	1.26E-06	1.22E-05	2.07E-05	1.59E-06	1.51E-05	2.59E-05	1.78E-06	1.60E-05	2.81E-05	1.75E-06	1.68E-05	2.86E-05	1.56E-06	1.46E-05	2.55E-05
763	2.16E-06	2.01E-05	3.49E-05	1.84E-06	1.75E-05	2.99E-05	1.26E-06	1.22E-05	2.07E-05	1.59E-06	1.51E-05	2.59E-05	1.78E-06	1.60E-05	2.80E-05	1.75E-06	1.68E-05	2.85E-05	1.56E-06	1.45E-05	2.55E-05
764	2.16E-06	2.01E-05	3.49E-05	1.84E-06	1.75E-05	2.99E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,342	1.54E-06	1.40E-05	2.45E-05	1.32E-06	1.22E-05	2.13E-05	8.79E-07	8.10E-06	1.45E-05	1.11E-06	1.01E-05	1.83E-05	1.24E-06	1.08E-05	1.99E-05	1.28E-06	1.17E-05	2.07E-05	1.10E-06	9.91E-06	1.80E-05
1,343	1.54E-06	1.40E-05	2.45E-05	1.32E-06	1.22E-05	2.13E-05	8.79E-07	8.10E-06	1.45E-05	1.11E-06	1.01E-05	1.83E-05	1.24E-06	1.08E-05	1.98E-05	1.28E-06	1.17E-05	2.07E-05	1.10E-06	9.91E-06	1.80E-05
1,344	1.54E-06	1.39E-05	2.45E-05	1.32E-06	1.22E-05	2.13E-05	8.79E-07	8.09E-06	1.45E-05	1.11E-06	1.01E-05	1.83E-05	1.24E-06	1.08E-05	1.98E-05	1.28E-06	1.16E-05	2.07E-05	1.10E-06	9.91E-06	1.80E-05
1,345	1.53E-06	1.39E-05	2.45E-05	1.32E-06	1.22E-05	2.12E-05	8.78E-07	8.09E-06	1.45E-05	1.11E-06	1.01E-05	1.83E-05	1.24E-06	1.08E-05	1.98E-05	1.28E-06	1.16E-05	2.07E-05	1.10E-06	9.90E-06	1.80E-05
1,346	1.53E-06	1.39E-05	2.45E-05	1.32E-06	1.22E-05	2.12E-05	8.78E-07	8.09E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.28E-06	1.16E-05	2.06E-05	1.10E-06	9.89E-06	1.79E-05
1,347	1.53E-06	1.39E-05	2.45E-05	1.32E-06	1.22E-05	2.12E-05	8.77E-07	8.08E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.28E-06	1.16E-05	2.06E-05	1.10E-06	9.89E-06	1.79E-05
1,348	1.53E-06	1.39E-05	2.45E-05	1.32E-06	1.22E-05	2.12E-05	8.77E-07	8.08E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.06E-05	1.10E-06	9.89E-06	1.79E-05
1,349	1.53E-06	1.39E-05	2.44E-05	1.31E-06	1.22E-05	2.12E-05	8.76E-07	8.08E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.06E-05	1.10E-06	9.89E-06	1.79E-05
1,350	1.53E-06	1.39E-05	2.44E-05	1.31E-06	1.21E-05	2.12E-05	8.76E-07	8.07E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.06E-05	1.10E-06	9.88E-06	1.79E-05
1,351	1.53E-06	1.39E-05	2.44E-05	1.31E-06	1.21E-05	2.12E-05	8.75E-07	8.07E-06	1.45E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.06E-05	1.10E-06	9.87E-06	1.79E-05
1,352	1.53E-06	1.39E-05	2.44E-05	1.31E-06	1.21E-05	2.12E-05	8.75E-07	8.07E-06	1.44E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.06E-05	1.09E-06	9.87E-06	1.79E-05
1,353	1.53E-06	1.39E-05	2.44E-05	1.31E-06	1.21E-05	2.11E-05	8.75E-07	8.06E-06	1.44E-05	1.11E-06	1.00E-05	1.82E-05	1.24E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.05E-05	1.09E-06	9.86E-06	1.79E-05
1,354	1.53E-06	1.38E-05	2.44E-05	1.31E-06	1.21E-05	2.11E-05	8.75E-07	8.05E-06	1.44E-05	1.11E-06	1.00E-05	1.82E-05	1.23E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.05E-05	1.09E-06	9.86E-06	1.79E-05
1,355	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.74E-07	8.03E-06	1.44E-05	1.11E-06	9.98E-06	1.82E-05	1.23E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.05E-05	1.09E-06	9.86E-06	1.79E-05
1,356	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.02E-06	1.44E-05	1.11E-06	9.98E-06	1.82E-05	1.23E-06	1.08E-05	1.98E-05	1.27E-06	1.16E-05	2.05E-05	1.09E-06	9.85E-06	1.79E-05
1,357	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.02E-06	1.44E-05	1.11E-06	9.97E-06	1.81E-05	1.23E-06	1.08E-05	1.97E-05	1.27E-06	1.16E-05	2.05E-05	1.09E-06	9.85E-06	1.79E-05
1,358	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.02E-06	1.44E-05	1.11E-06	9.97E-06	1.81E-05	1.23E-06	1.08E-05	1.97E-05	1.27E-06	1.16E-05	2.04E-05	1.09E-06	9.85E-06	1.78E-05
1,359	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.02E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.08E-05	1.97E-05	1.27E-06	1.16E-05	2.04E-05	1.09E-06	9.85E-06	1.78E-05
1,360	1.53E-06	1.38E-05	2.43E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.02E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.08E-05	1.97E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.85E-06	1.78E-05
1,361	1.53E-06	1.38E-05	2.42E-05	1.31E-06	1.21E-05	2.11E-05	8.73E-07	8.01E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.07E-05	1.97E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.85E-06	1.78E-05
1,362	1.53E-06	1.38E-05	2.42E-05	1.31E-06	1.21E-05	2.11E-05	8.72E-07	8.01E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.07E-05	1.97E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.84E-06	1.78E-05
1,363	1.52E-06	1.38E-05	2.42E-05	1.31E-06	1.21E-05	2.10E-05	8.72E-07	8.00E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.07E-05	1.97E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.84E-06	1.77E-05
1,364	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.21E-05	2.10E-05	8.72E-07	7.98E-06	1.44E-05	1.10E-06	9.96E-06	1.81E-05	1.23E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.83E-06	1.77E-05
1,365	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.21E-05	2.10E-05	8.71E-07	7.98E-06	1.44E-05	1.10E-06	9.95E-06	1.81E-05	1.23E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.83E-06	1.77E-05
1,366	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.71E-07	7.97E-06	1.43E-05	1.10E-06	9.95E-06	1.81E-05	1.23E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.82E-06	1.77E-05
1,367	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.71E-07	7.97E-06	1.43E-05	1.10E-06	9.95E-06	1.81E-05	1.23E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.04E-05	1.09E-06	9.82E-06	1.77E-05
1,368	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.71E-07	7.97E-06	1.43E-05	1.10E-06	9.95E-06	1.80E-05	1.23E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.03E-05	1.09E-06	9.80E-06	1.77E-05
1,369	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.70E-07	7.96E-06	1.43E-05	1.10E-06	9.94E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.03E-05	1.09E-06	9.78E-06	1.77E-05
1,370	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.70E-07	7.96E-06	1.43E-05	1.10E-06	9.93E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.03E-05	1.09E-06	9.77E-06	1.77E-05
1,371	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.10E-05	8.70E-07	7.96E-06	1.43E-05	1.10E-06	9.92E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.03E-05	1.09E-06	9.76E-06	1.77E-05
1,372	1.52E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.09E-05	8.69E-07	7.96E-06	1.43E-05	1.10E-06	9.91E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.27E-06	1.15E-05	2.03E-05	1.08E-06	9.75E-06	1.77E-05
1,373	1.51E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.09E-05	8.69E-07	7.96E-06	1.43E-05	1.10E-06	9.91E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.27E-06	1.14E-05	2.03E-05	1.08E-06	9.75E-06	1.77E-05
1,374	1.51E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.09E-05	8.69E-07	7.96E-06	1.43E-05	1.10E-06	9.90E-06	1.80E-05	1.22E-06	1.07E-05	1.96E-05	1.26E-06	1.14E-05	2.03E-05	1.08E-06	9.75E-06	1.76E-05
1,375	1.51E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.09E-05	8.69E-07	7.95E-06	1.43E-05	1.10E-06	9.90E-06	1.80E-05	1.22E-06	1.07E-05	1.95E-05	1.26E-06	1.14E-05	2.03E-05	1.08E-06	9.74E-06	1.76E-05
1,376	1.51E-06	1.37E-05	2.42E-05	1.30E-06	1.20E-05	2.09E-05	8.68E-07	7.94E-06	1.43E-05	1.10E-06	9.89E-06	1.80E-05	1.22E-06	1.07E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.74E-06	1.76E-05
1,377	1.51E-06	1.37E-05	2.41E-05	1.30E-06	1.20E-05	2.09E-05	8.67E-07	7.94E-06	1.43E-05	1.10E-06	9.89E-06	1.80E-05	1.22E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.74E-06	1.76E-05
1,378	1.51E-06	1.37E-05	2.41E-05	1.30E-06	1.20E-05	2.09E-05	8.65E-07	7.94E-06	1.43E-05	1.10E-06	9.88E-06	1.80E-05	1.22E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.73E-06	1.76E-05
1,379	1.51E-06	1.37E-05	2.41E-05	1.30E-06	1.20E-05	2.09E-05	8.65E-07	7.93E-06	1.42E-05	1.10E-06	9.88E-06	1.80E-05	1.21E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.72E-06	1.76E-05
1,380	1.51E-06	1.37E-05	2.41E-05	1.29E-06	1.20E-05	2.09E-05	8.64E-07	7.92E-06	1.42E-05	1.10E-06	9.87E-06	1.80E-05	1.21E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.71E-06	1.76E-05
1,381	1.51E-06	1.36E-05	2.41E-05	1.29E-06	1.20E-05	2.09E-05	8.62E-07	7.91E-06	1.42E-05	1.09E-06	9.86E-06	1.80E-05	1.21E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.71E-06	1.76E-05
1,382	1.51E-06	1.36E-05	2.41E-05	1.29E-06	1.19E-05	2.09E-05	8.62E-07	7.91E-06	1.42E-05	1.09E-06	9.86E-06	1.79E-05	1.21E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.71E-06	1.76E-05
1,383	1.51E-06	1.36E-05	2.41E-05	1.29E-06	1.19E-05	2.09E-05	8.61E-07	7.90E-06	1.42E-05	1.09E-06	9.86E-06	1.79E-05	1.21E-06	1.06E-05	1.95E-05	1.26E-06	1.14E-05	2.02E-05	1.08E-06	9.71E-06	1.76E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,404	1.49E-06	1.34E-05	2.38E-05	1.28E-06	1.18E-05	2.07E-05	8.52E-07	7.82E-06	1.41E-05	1.08E-06	9.75E-06	1.77E-05	1.20E-06	1.05E-05	1.93E-05	1.25E-06	1.13E-05	2.00E-05	1.07E-06	9.62E-06	1.74E-05
1,405	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.07E-05	8.52E-07	7.82E-06	1.41E-05	1.08E-06	9.75E-06	1.77E-05	1.20E-06	1.05E-05	1.92E-05	1.25E-06	1.13E-05	2.00E-05	1.07E-06	9.62E-06	1.74E-05
1,406	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.07E-05	8.52E-07	7.81E-06	1.41E-05	1.08E-06	9.75E-06	1.77E-05	1.20E-06	1.04E-05	1.92E-05	1.25E-06	1.12E-05	2.00E-05	1.07E-06	9.62E-06	1.74E-05
1,407	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.07E-05	8.51E-07	7.81E-06	1.41E-05	1.08E-06	9.74E-06	1.77E-05	1.20E-06	1.04E-05	1.92E-05	1.25E-06	1.12E-05	2.00E-05	1.07E-06	9.61E-06	1.74E-05
1,408	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.07E-05	8.51E-07	7.80E-06	1.41E-05	1.08E-06	9.74E-06	1.77E-05	1.20E-06	1.04E-05	1.92E-05	1.25E-06	1.12E-05	2.00E-05	1.07E-06	9.61E-06	1.74E-05
1,409	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.07E-05	8.51E-07	7.80E-06	1.41E-05	1.08E-06	9.73E-06	1.76E-05	1.20E-06	1.04E-05	1.92E-05	1.25E-06	1.12E-05	2.00E-05	1.07E-06	9.61E-06	1.74E-05
1,410	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.18E-05	2.06E-05	8.50E-07	7.80E-06	1.41E-05	1.07E-06	9.73E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.25E-06	1.12E-05	2.00E-05	1.07E-06	9.61E-06	1.74E-05
1,411	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.17E-05	2.06E-05	8.49E-07	7.80E-06	1.40E-05	1.07E-06	9.72E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	2.00E-05	1.07E-06	9.60E-06	1.73E-05
1,412	1.49E-06	1.34E-05	2.37E-05	1.28E-06	1.17E-05	2.06E-05	8.49E-07	7.79E-06	1.40E-05	1.07E-06	9.71E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	2.00E-05	1.07E-06	9.60E-06	1.73E-05
1,413	1.49E-06	1.34E-05	2.37E-05	1.27E-06	1.17E-05	2.06E-05	8.48E-07	7.79E-06	1.40E-05	1.07E-06	9.70E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	2.00E-05	1.07E-06	9.60E-06	1.73E-05
1,414	1.48E-06	1.34E-05	2.37E-05	1.27E-06	1.17E-05	2.06E-05	8.48E-07	7.79E-06	1.40E-05	1.07E-06	9.70E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	2.00E-05	1.07E-06	9.59E-06	1.73E-05
1,415	1.48E-06	1.34E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.48E-07	7.79E-06	1.40E-05	1.07E-06	9.69E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.59E-06	1.73E-05
1,416	1.48E-06	1.34E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.47E-07	7.78E-06	1.40E-05	1.07E-06	9.69E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.58E-06	1.73E-05
1,417	1.48E-06	1.34E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.47E-07	7.78E-06	1.40E-05	1.07E-06	9.68E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.58E-06	1.73E-05
1,418	1.48E-06	1.34E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.46E-07	7.77E-06	1.40E-05	1.07E-06	9.68E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.58E-06	1.73E-05
1,419	1.48E-06	1.34E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.46E-07	7.77E-06	1.40E-05	1.07E-06	9.67E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.58E-06	1.73E-05
1,420	1.48E-06	1.33E-05	2.36E-05	1.27E-06	1.17E-05	2.05E-05	8.45E-07	7.75E-06	1.40E-05	1.07E-06	9.67E-06	1.76E-05	1.19E-06	1.04E-05	1.91E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.57E-06	1.72E-05
1,421	1.48E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.05E-05	8.45E-07	7.74E-06	1.40E-05	1.07E-06	9.66E-06	1.76E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.56E-06	1.72E-05
1,422	1.48E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.05E-05	8.45E-07	7.74E-06	1.40E-05	1.07E-06	9.65E-06	1.76E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.56E-06	1.72E-05
1,423	1.47E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.04E-05	8.45E-07	7.74E-06	1.40E-05	1.07E-06	9.65E-06	1.76E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.55E-06	1.72E-05
1,424	1.47E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.04E-05	8.44E-07	7.73E-06	1.40E-05	1.07E-06	9.64E-06	1.75E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.54E-06	1.72E-05
1,425	1.47E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.04E-05	8.44E-07	7.72E-06	1.40E-05	1.07E-06	9.63E-06	1.75E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.54E-06	1.72E-05
1,426	1.47E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.04E-05	8.44E-07	7.71E-06	1.40E-05	1.07E-06	9.63E-06	1.75E-05	1.19E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.99E-05	1.06E-06	9.54E-06	1.72E-05
1,427	1.47E-06	1.33E-05	2.36E-05	1.27E-06	1.16E-05	2.04E-05	8.44E-07	7.71E-06	1.40E-05	1.07E-06	9.62E-06	1.75E-05	1.18E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.98E-05	1.06E-06	9.54E-06	1.72E-05
1,428	1.47E-06	1.33E-05	2.35E-05	1.27E-06	1.16E-05	2.04E-05	8.44E-07	7.71E-06	1.40E-05	1.07E-06	9.62E-06	1.75E-05	1.18E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.98E-05	1.06E-06	9.54E-06	1.72E-05
1,429	1.47E-06	1.33E-05	2.35E-05	1.27E-06	1.16E-05	2.04E-05	8.43E-07	7.71E-06	1.40E-05	1.06E-06	9.61E-06	1.75E-05	1.18E-06	1.04E-05	1.90E-05	1.24E-06	1.12E-05	1.98E-05	1.06E-06	9.53E-06	1.72E-05
1,430	1.47E-06	1.33E-05	2.35E-05	1.27E-06	1.16E-05	2.04E-05	8.43E-07	7.71E-06	1.40E-05	1.06E-06	9.61E-06	1.75E-05	1.18E-06	1.04E-05	1.89E-05	1.24E-06	1.12E-05	1.98E-05	1.05E-06	9.53E-06	1.72E-05
1,431	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.04E-05	8.43E-07	7.71E-06	1.40E-05	1.06E-06	9.60E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.24E-06	1.11E-05	1.98E-05	1.05E-06	9.50E-06	1.72E-05
1,432	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.43E-07	7.70E-06	1.39E-05	1.06E-06	9.60E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.50E-06	1.72E-05
1,433	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.42E-07	7.70E-06	1.39E-05	1.06E-06	9.58E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.50E-06	1.72E-05
1,434	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.42E-07	7.70E-06	1.39E-05	1.06E-06	9.58E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.50E-06	1.72E-05
1,435	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.41E-07	7.70E-06	1.39E-05	1.06E-06	9.58E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.50E-06	1.71E-05
1,436	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.41E-07	7.69E-06	1.39E-05	1.06E-06	9.57E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.49E-06	1.71E-05
1,437	1.47E-06	1.33E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.40E-07	7.69E-06	1.39E-05	1.06E-06	9.57E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.49E-06	1.71E-05
1,438	1.46E-06	1.32E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.40E-07	7.69E-06	1.39E-05	1.06E-06	9.57E-06	1.75E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.49E-06	1.71E-05
1,439	1.46E-06	1.32E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.39E-07	7.68E-06	1.39E-05	1.06E-06	9.56E-06	1.74E-05	1.18E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.48E-06	1.71E-05
1,440	1.46E-06	1.32E-05	2.35E-05	1.26E-06	1.16E-05	2.03E-05	8.38E-07	7.68E-06	1.39E-05	1.06E-06	9.55E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.98E-05	1.05E-06	9.48E-06	1.71E-05
1,441	1.46E-06	1.32E-05	2.35E-05	1.26E-06	1.15E-05	2.03E-05	8.38E-07	7.67E-06	1.38E-05	1.06E-06	9.55E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.97E-05	1.05E-06	9.47E-06	1.71E-05
1,442	1.46E-06	1.32E-05	2.35E-05	1.26E-06	1.15E-05	2.03E-05	8.37E-07	7.67E-06	1.38E-05	1.06E-06	9.55E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.97E-05	1.05E-06	9.47E-06	1.71E-05
1,443	1.46E-06	1.32E-05	2.34E-05	1.26E-06	1.15E-05	2.02E-05	8.36E-07	7.66E-06	1.38E-05	1.06E-06	9.55E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.97E-05	1.05E-06	9.47E-06	1.71E-05
1,444	1.46E-06	1.32E-05	2.34E-05	1.26E-06	1.15E-05	2.02E-05	8.36E-07	7.65E-06	1.38E-05	1.06E-06	9.54E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.97E-05	1.05E-06	9.46E-06	1.71E-05
1,445	1.46E-06	1.32E-05	2.34E-05	1.26E-06	1.15E-05	2.02E-05	8.36E-07	7.65E-06	1.38E-05	1.06E-06	9.54E-06	1.74E-05	1.17E-06	1.03E-05	1.89E-05	1.23E-06	1.11E-05	1.97E-05	1.05E-06	9.45E-06	1.70E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,528	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.99E-07	7.32E-06	1.33E-05	1.02E-06	9.14E-06	1.68E-05	1.13E-06	9.79E-06	1.82E-05	1.19E-06	1.07E-05	1.89E-05	1.01E-06	9.06E-06	1.64E-05
1,529	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.98E-07	7.32E-06	1.33E-05	1.02E-06	9.14E-06	1.68E-05	1.13E-06	9.79E-06	1.81E-05	1.18E-06	1.06E-05	1.89E-05	1.01E-06	9.06E-06	1.64E-05
1,530	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.98E-07	7.32E-06	1.33E-05	1.02E-06	9.13E-06	1.68E-05	1.13E-06	9.78E-06	1.81E-05	1.18E-06	1.06E-05	1.89E-05	1.01E-06	9.05E-06	1.64E-05
1,531	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.98E-07	7.32E-06	1.33E-05	1.02E-06	9.13E-06	1.68E-05	1.13E-06	9.78E-06	1.81E-05	1.18E-06	1.06E-05	1.89E-05	1.01E-06	9.05E-06	1.64E-05
1,532	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.98E-07	7.31E-06	1.33E-05	1.02E-06	9.13E-06	1.68E-05	1.13E-06	9.78E-06	1.81E-05	1.18E-06	1.06E-05	1.89E-05	1.01E-06	9.05E-06	1.64E-05
1,533	1.40E-06	1.27E-05	2.25E-05	1.21E-06	1.10E-05	1.94E-05	7.97E-07	7.31E-06	1.33E-05	1.02E-06	9.12E-06	1.68E-05	1.13E-06	9.77E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.04E-06	1.64E-05
1,534	1.40E-06	1.27E-05	2.24E-05	1.21E-06	1.10E-05	1.94E-05	7.97E-07	7.31E-06	1.33E-05	1.02E-06	9.11E-06	1.68E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.04E-06	1.64E-05
1,535	1.40E-06	1.27E-05	2.24E-05	1.21E-06	1.09E-05	1.94E-05	7.97E-07	7.30E-06	1.33E-05	1.02E-06	9.11E-06	1.68E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.03E-06	1.64E-05
1,536	1.40E-06	1.27E-05	2.24E-05	1.21E-06	1.09E-05	1.94E-05	7.96E-07	7.30E-06	1.33E-05	1.02E-06	9.11E-06	1.68E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.03E-06	1.64E-05
1,537	1.40E-06	1.27E-05	2.24E-05	1.21E-06	1.09E-05	1.94E-05	7.95E-07	7.29E-06	1.33E-05	1.02E-06	9.11E-06	1.68E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.02E-06	1.64E-05
1,538	1.40E-06	1.26E-05	2.24E-05	1.21E-06	1.09E-05	1.94E-05	7.95E-07	7.28E-06	1.33E-05	1.02E-06	9.11E-06	1.68E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.02E-06	1.63E-05
1,539	1.40E-06	1.26E-05	2.23E-05	1.21E-06	1.09E-05	1.94E-05	7.95E-07	7.27E-06	1.33E-05	1.02E-06	9.10E-06	1.67E-05	1.13E-06	9.76E-06	1.81E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.01E-06	1.63E-05
1,540	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.94E-05	7.95E-07	7.27E-06	1.33E-05	1.02E-06	9.10E-06	1.67E-05	1.13E-06	9.75E-06	1.80E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.00E-06	1.63E-05
1,541	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.94E-05	7.95E-07	7.27E-06	1.33E-05	1.02E-06	9.10E-06	1.67E-05	1.13E-06	9.75E-06	1.80E-05	1.18E-06	1.06E-05	1.88E-05	1.01E-06	9.00E-06	1.63E-05
1,542	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.94E-07	7.26E-06	1.33E-05	1.01E-06	9.09E-06	1.67E-05	1.13E-06	9.74E-06	1.80E-05	1.17E-06	1.06E-05	1.88E-05	1.01E-06	9.00E-06	1.63E-05
1,543	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.93E-07	7.26E-06	1.33E-05	1.01E-06	9.09E-06	1.67E-05	1.12E-06	9.74E-06	1.80E-05	1.17E-06	1.06E-05	1.88E-05	1.01E-06	8.99E-06	1.63E-05
1,544	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.93E-07	7.26E-06	1.33E-05	1.01E-06	9.08E-06	1.67E-05	1.12E-06	9.73E-06	1.80E-05	1.17E-06	1.05E-05	1.88E-05	1.01E-06	8.98E-06	1.63E-05
1,545	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.93E-07	7.25E-06	1.33E-05	1.01E-06	9.07E-06	1.67E-05	1.12E-06	9.73E-06	1.80E-05	1.17E-06	1.05E-05	1.88E-05	1.01E-06	8.97E-06	1.63E-05
1,546	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.93E-07	7.25E-06	1.32E-05	1.01E-06	9.07E-06	1.67E-05	1.12E-06	9.72E-06	1.80E-05	1.17E-06	1.05E-05	1.88E-05	1.01E-06	8.97E-06	1.63E-05
1,547	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.92E-07	7.25E-06	1.32E-05	1.01E-06	9.07E-06	1.67E-05	1.12E-06	9.72E-06	1.80E-05	1.17E-06	1.05E-05	1.88E-05	1.01E-06	8.96E-06	1.63E-05
1,548	1.39E-06	1.26E-05	2.23E-05	1.20E-06	1.09E-05	1.93E-05	7.92E-07	7.25E-06	1.32E-05	1.01E-06	9.06E-06	1.67E-05	1.12E-06	9.71E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.96E-06	1.63E-05
1,549	1.39E-06	1.26E-05	2.22E-05	1.20E-06	1.08E-05	1.93E-05	7.91E-07	7.25E-06	1.32E-05	1.01E-06	9.06E-06	1.66E-05	1.12E-06	9.71E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.96E-06	1.63E-05
1,550	1.39E-06	1.26E-05	2.22E-05	1.20E-06	1.08E-05	1.93E-05	7.91E-07	7.25E-06	1.32E-05	1.01E-06	9.05E-06	1.66E-05	1.12E-06	9.71E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.95E-06	1.63E-05
1,551	1.39E-06	1.26E-05	2.22E-05	1.20E-06	1.08E-05	1.93E-05	7.91E-07	7.24E-06	1.32E-05	1.01E-06	9.05E-06	1.66E-05	1.12E-06	9.71E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.95E-06	1.62E-05
1,552	1.39E-06	1.26E-05	2.22E-05	1.20E-06	1.08E-05	1.93E-05	7.91E-07	7.24E-06	1.32E-05	1.01E-06	9.04E-06	1.66E-05	1.12E-06	9.71E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.94E-06	1.62E-05
1,553	1.39E-06	1.26E-05	2.22E-05	1.20E-06	1.08E-05	1.92E-05	7.91E-07	7.24E-06	1.32E-05	1.01E-06	9.04E-06	1.66E-05	1.12E-06	9.70E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.94E-06	1.62E-05
1,554	1.39E-06	1.25E-05	2.22E-05	1.20E-06	1.08E-05	1.92E-05	7.91E-07	7.24E-06	1.32E-05	1.01E-06	9.02E-06	1.66E-05	1.12E-06	9.70E-06	1.80E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.94E-06	1.62E-05
1,555	1.38E-06	1.25E-05	2.22E-05	1.19E-06	1.08E-05	1.92E-05	7.90E-07	7.24E-06	1.32E-05	1.01E-06	9.02E-06	1.66E-05	1.12E-06	9.68E-06	1.79E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.93E-06	1.62E-05
1,556	1.38E-06	1.25E-05	2.22E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.23E-06	1.32E-05	1.01E-06	9.02E-06	1.66E-05	1.12E-06	9.68E-06	1.79E-05	1.17E-06	1.05E-05	1.87E-05	1.01E-06	8.93E-06	1.62E-05
1,557	1.38E-06	1.25E-05	2.22E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.23E-06	1.32E-05	1.01E-06	9.01E-06	1.66E-05	1.12E-06	9.67E-06	1.79E-05	1.17E-06	1.05E-05	1.87E-05	1.00E-06	8.90E-06	1.62E-05
1,558	1.38E-06	1.25E-05	2.22E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.22E-06	1.32E-05	1.01E-06	9.01E-06	1.66E-05	1.12E-06	9.67E-06	1.79E-05	1.17E-06	1.05E-05	1.87E-05	1.00E-06	8.90E-06	1.62E-05
1,559	1.38E-06	1.25E-05	2.22E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.22E-06	1.32E-05	1.01E-06	9.01E-06	1.66E-05	1.12E-06	9.67E-06	1.79E-05	1.17E-06	1.05E-05	1.87E-05	1.00E-06	8.90E-06	1.62E-05
1,560	1.38E-06	1.25E-05	2.21E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.22E-06	1.31E-05	1.01E-06	9.00E-06	1.66E-05	1.12E-06	9.67E-06	1.79E-05	1.17E-06	1.05E-05	1.86E-05	1.00E-06	8.89E-06	1.62E-05
1,561	1.38E-06	1.25E-05	2.21E-05	1.19E-06	1.08E-05	1.92E-05	7.89E-07	7.21E-06	1.31E-05	1.01E-06	8.99E-06	1.66E-05	1.12E-06	9.66E-06	1.79E-05	1.17E-06	1.05E-05	1.86E-05	1.00E-06	8.89E-06	1.61E-05
1,562	1.38E-06	1.25E-05	2.21E-05	1.19E-06	1.08E-05	1.92E-05	7.88E-07	7.21E-06	1.31E-05	1.01E-06	8.99E-06	1.66E-05	1.12E-06	9.66E-06	1.78E-05	1.17E-06	1.04E-05	1.86E-05	1.00E-06	8.89E-06	1.61E-05
1,563	1.38E-06	1.25E-05	2.21E-05	1.19E-06	1.08E-05	1.92E-05	7.88E-07	7.20E-06	1.31E-05	1.01E-06	8.99E-06	1.65E-05	1.12E-06	9.66E-06	1.78E-05	1.17E-06	1.04E-05	1.86E-05	1.00E-06	8.88E-06	1.61E-05
1,564	1.38E-06	1.25E-05	2.21E-05	1.19E-06	1.08E-05	1.92E-05	7.87E-07	7.19E-06	1.31E-05	1.01E-06	8.98E-06	1.65E-05	1.12E-06	9.66E-06	1.78E-05	1.17E-06	1.04E-05	1.86E-05	1.00E-06	8.88E-06	1.61E-05
1,565	1.38E-06	1.24E-05	2.21E-05	1.19E-06	1.08E-05	1.91E-05	7.87E-07	7.19E-06	1.31E-05	1.01E-06	8.98E-06	1.65E-05	1.11E-06	9.66E-06	1.78E-05	1.17E-06	1.04E-05	1.86E-05	1.00E-06	8.87E-06	1.61E-05
1,566	1.38E-06	1.24E-05	2.21E-05	1.19E-06	1.08E-05	1.91E-05	7.86E-07	7.19E-06	1.31E-05	1.01E-06	8.97E-06	1.65E-05	1.11E-06	9.66E-06	1.78E-05	1.16E-06	1.04E-05	1.86E-05	9.99E-07	8.86E-06	1.61E-05
1,567	1.38E-06	1.24E-05	2.21E-05	1.19E-06	1.08E-05	1.91E-05	7.85E-07	7.19E-06	1.31E-05	1.01E-06	8.97E-06	1.65E-05	1.11E-06	9.65E-06	1.78E-05	1.16E-06	1.04E-05	1.85E-05	9.99E-07	8.86E-06	1.61E-05
1,568	1.38E-06	1.24E-05	2.20E-05	1.19E-06	1.08E-05	1.91E-05	7.85E-07	7.19E-06	1.31E-05	1.01E-06	8.96E-06	1.65E-05	1.11E-06	9.64E-06	1.78E-05	1.16E-06	1.04E-05	1.85E-05	9.99E-07	8.86E-06	1.61E-05
1,569	1.38E-06	1.24E-05	2.20E-05	1.19E-06	1.08E-05	1.91E-05	7.85E-07	7.18E-06	1.31E-05	1.01E-06	8.96E-06	1.65E-05	1.11E-06	9.63E-06	1.78E-05	1.16E-06	1.04E-05	1.85E-05	9.99E-07	8.86E-06	1.61E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,590	1.37E-06	1.23E-05	2.19E-05	1.17E-06	1.07E-05	1.89E-05	7.75E-07	7.12E-06	1.29E-05	9.95E-07	8.83E-06	1.63E-05	1.10E-06	9.54E-06	1.77E-05	1.16E-06	1.03E-05	1.84E-05	9.90E-07	8.78E-06	1.60E-05
1,591	1.36E-06	1.23E-05	2.19E-05	1.17E-06	1.07E-05	1.89E-05	7.74E-07	7.12E-06	1.29E-05	9.94E-07	8.83E-06	1.63E-05	1.10E-06	9.54E-06	1.77E-05	1.16E-06	1.03E-05	1.84E-05	9.90E-07	8.76E-06	1.60E-05
1,592	1.36E-06	1.23E-05	2.19E-05	1.17E-06	1.07E-05	1.89E-05	7.74E-07	7.11E-06	1.29E-05	9.93E-07	8.83E-06	1.63E-05	1.10E-06	9.53E-06	1.77E-05	1.15E-06	1.03E-05	1.84E-05	9.89E-07	8.76E-06	1.60E-05
1,593	1.36E-06	1.23E-05	2.19E-05	1.17E-06	1.07E-05	1.89E-05	7.74E-07	7.10E-06	1.29E-05	9.93E-07	8.83E-06	1.63E-05	1.10E-06	9.52E-06	1.77E-05	1.15E-06	1.03E-05	1.84E-05	9.88E-07	8.76E-06	1.59E-05
1,594	1.36E-06	1.23E-05	2.18E-05	1.17E-06	1.07E-05	1.89E-05	7.74E-07	7.10E-06	1.29E-05	9.92E-07	8.81E-06	1.63E-05	1.10E-06	9.52E-06	1.77E-05	1.15E-06	1.02E-05	1.84E-05	9.87E-07	8.75E-06	1.59E-05
1,595	1.36E-06	1.23E-05	2.18E-05	1.17E-06	1.07E-05	1.89E-05	7.73E-07	7.10E-06	1.29E-05	9.92E-07	8.81E-06	1.63E-05	1.09E-06	9.52E-06	1.76E-05	1.15E-06	1.02E-05	1.84E-05	9.87E-07	8.73E-06	1.59E-05
1,596	1.36E-06	1.23E-05	2.18E-05	1.17E-06	1.07E-05	1.89E-05	7.73E-07	7.10E-06	1.29E-05	9.92E-07	8.81E-06	1.63E-05	1.09E-06	9.52E-06	1.76E-05	1.15E-06	1.02E-05	1.84E-05	9.87E-07	8.73E-06	1.59E-05
1,597	1.36E-06	1.22E-05	2.18E-05	1.17E-06	1.06E-05	1.89E-05	7.73E-07	7.09E-06	1.29E-05	9.92E-07	8.80E-06	1.63E-05	1.09E-06	9.51E-06	1.76E-05	1.15E-06	1.02E-05	1.84E-05	9.86E-07	8.73E-06	1.59E-05
1,598	1.36E-06	1.22E-05	2.18E-05	1.17E-06	1.06E-05	1.89E-05	7.72E-07	7.09E-06	1.29E-05	9.91E-07	8.80E-06	1.63E-05	1.09E-06	9.49E-06	1.76E-05	1.15E-06	1.02E-05	1.84E-05	9.86E-07	8.73E-06	1.59E-05
1,599	1.36E-06	1.22E-05	2.18E-05	1.17E-06	1.06E-05	1.89E-05	7.71E-07	7.08E-06	1.29E-05	9.91E-07	8.80E-06	1.62E-05	1.09E-06	9.48E-06	1.76E-05	1.15E-06	1.02E-05	1.84E-05	9.86E-07	8.73E-06	1.59E-05
1,600	1.36E-06	1.22E-05	2.18E-05	1.17E-06	1.06E-05	1.89E-05	7.71E-07	7.08E-06	1.28E-05	9.89E-07	8.79E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.85E-07	8.73E-06	1.59E-05
1,601	1.36E-06	1.22E-05	2.18E-05	1.17E-06	1.06E-05	1.89E-05	7.70E-07	7.07E-06	1.28E-05	9.89E-07	8.79E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.85E-07	8.73E-06	1.59E-05
1,602	1.36E-06	1.22E-05	2.17E-05	1.17E-06	1.06E-05	1.89E-05	7.69E-07	7.07E-06	1.28E-05	9.89E-07	8.79E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.85E-07	8.73E-06	1.59E-05
1,603	1.36E-06	1.22E-05	2.17E-05	1.17E-06	1.06E-05	1.89E-05	7.69E-07	7.07E-06	1.28E-05	9.89E-07	8.79E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.84E-07	8.72E-06	1.59E-05
1,604	1.36E-06	1.22E-05	2.17E-05	1.17E-06	1.06E-05	1.89E-05	7.69E-07	7.07E-06	1.28E-05	9.88E-07	8.77E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.83E-07	8.72E-06	1.59E-05
1,605	1.36E-06	1.22E-05	2.17E-05	1.17E-06	1.06E-05	1.88E-05	7.69E-07	7.07E-06	1.28E-05	9.88E-07	8.76E-06	1.62E-05	1.09E-06	9.47E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.83E-07	8.71E-06	1.59E-05
1,606	1.36E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.07E-06	1.28E-05	9.88E-07	8.76E-06	1.62E-05	1.08E-06	9.46E-06	1.76E-05	1.15E-06	1.02E-05	1.83E-05	9.83E-07	8.71E-06	1.59E-05
1,607	1.36E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.07E-06	1.28E-05	9.87E-07	8.76E-06	1.62E-05	1.08E-06	9.46E-06	1.75E-05	1.15E-06	1.02E-05	1.83E-05	9.82E-07	8.70E-06	1.59E-05
1,608	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.06E-06	1.28E-05	9.87E-07	8.75E-06	1.62E-05	1.08E-06	9.46E-06	1.75E-05	1.15E-06	1.01E-05	1.83E-05	9.82E-07	8.69E-06	1.59E-05
1,609	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.06E-06	1.27E-05	9.87E-07	8.75E-06	1.62E-05	1.08E-06	9.46E-06	1.75E-05	1.15E-06	1.01E-05	1.83E-05	9.82E-07	8.68E-06	1.59E-05
1,610	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.04E-06	1.27E-05	9.86E-07	8.75E-06	1.62E-05	1.08E-06	9.46E-06	1.75E-05	1.15E-06	1.01E-05	1.83E-05	9.81E-07	8.68E-06	1.58E-05
1,611	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.68E-07	7.04E-06	1.27E-05	9.86E-07	8.75E-06	1.62E-05	1.08E-06	9.45E-06	1.75E-05	1.15E-06	1.01E-05	1.83E-05	9.81E-07	8.68E-06	1.58E-05
1,612	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.66E-07	7.02E-06	1.27E-05	9.85E-07	8.74E-06	1.62E-05	1.08E-06	9.45E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.81E-07	8.68E-06	1.58E-05
1,613	1.35E-06	1.22E-05	2.17E-05	1.16E-06	1.06E-05	1.88E-05	7.66E-07	7.00E-06	1.27E-05	9.85E-07	8.73E-06	1.62E-05	1.08E-06	9.44E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.81E-07	8.67E-06	1.58E-05
1,614	1.35E-06	1.22E-05	2.16E-05	1.16E-06	1.06E-05	1.88E-05	7.66E-07	6.99E-06	1.27E-05	9.85E-07	8.73E-06	1.62E-05	1.08E-06	9.43E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.81E-07	8.67E-06	1.58E-05
1,615	1.35E-06	1.22E-05	2.16E-05	1.16E-06	1.06E-05	1.88E-05	7.65E-07	6.99E-06	1.27E-05	9.85E-07	8.72E-06	1.61E-05	1.08E-06	9.43E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.80E-07	8.67E-06	1.58E-05
1,616	1.35E-06	1.22E-05	2.16E-05	1.16E-06	1.06E-05	1.88E-05	7.65E-07	6.99E-06	1.27E-05	9.84E-07	8.72E-06	1.61E-05	1.08E-06	9.43E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.79E-07	8.66E-06	1.58E-05
1,617	1.35E-06	1.21E-05	2.16E-05	1.16E-06	1.05E-05	1.88E-05	7.65E-07	6.99E-06	1.27E-05	9.84E-07	8.71E-06	1.61E-05	1.08E-06	9.43E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.77E-07	8.65E-06	1.58E-05
1,618	1.35E-06	1.21E-05	2.16E-05	1.16E-06	1.05E-05	1.87E-05	7.64E-07	6.99E-06	1.27E-05	9.84E-07	8.70E-06	1.61E-05	1.08E-06	9.42E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.77E-07	8.65E-06	1.58E-05
1,619	1.35E-06	1.21E-05	2.15E-05	1.16E-06	1.05E-05	1.87E-05	7.64E-07	6.98E-06	1.27E-05	9.84E-07	8.70E-06	1.61E-05	1.08E-06	9.42E-06	1.75E-05	1.14E-06	1.01E-05	1.83E-05	9.75E-07	8.65E-06	1.58E-05
1,620	1.35E-06	1.21E-05	2.15E-05	1.16E-06	1.05E-05	1.87E-05	7.64E-07	6.98E-06	1.27E-05	9.84E-07	8.70E-06	1.61E-05	1.08E-06	9.41E-06	1.75E-05	1.14E-06	1.01E-05	1.82E-05	9.74E-07	8.65E-06	1.58E-05
1,621	1.35E-06	1.21E-05	2.15E-05	1.16E-06	1.05E-05	1.87E-05	7.63E-07	6.98E-06	1.27E-05	9.84E-07	8.69E-06	1.61E-05	1.08E-06	9.41E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.74E-07	8.65E-06	1.58E-05
1,622	1.35E-06	1.21E-05	2.15E-05	1.16E-06	1.05E-05	1.87E-05	7.62E-07	6.98E-06	1.27E-05	9.84E-07	8.68E-06	1.61E-05	1.08E-06	9.40E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.73E-07	8.65E-06	1.58E-05
1,623	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.62E-07	6.97E-06	1.27E-05	9.83E-07	8.68E-06	1.61E-05	1.08E-06	9.40E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.73E-07	8.64E-06	1.57E-05
1,624	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.62E-07	6.97E-06	1.27E-05	9.83E-07	8.68E-06	1.61E-05	1.08E-06	9.40E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.72E-07	8.63E-06	1.57E-05
1,625	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.62E-07	6.97E-06	1.26E-05	9.82E-07	8.67E-06	1.61E-05	1.08E-06	9.40E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.72E-07	8.63E-06	1.57E-05
1,626	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.61E-07	6.96E-06	1.26E-05	9.82E-07	8.67E-06	1.61E-05	1.08E-06	9.40E-06	1.74E-05	1.14E-06	1.01E-05	1.82E-05	9.72E-07	8.61E-06	1.57E-05
1,627	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.61E-07	6.96E-06	1.26E-05	9.82E-07	8.67E-06	1.60E-05	1.08E-06	9.38E-06	1.74E-05	1.14E-06	1.00E-05	1.82E-05	9.70E-07	8.61E-06	1.57E-05
1,628	1.35E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.61E-07	6.96E-06	1.26E-05	9.82E-07	8.67E-06	1.60E-05	1.08E-06	9.38E-06	1.74E-05	1.13E-06	1.00E-05	1.82E-05	9.70E-07	8.61E-06	1.57E-05
1,629	1.34E-06	1.21E-05	2.15E-05	1.15E-06	1.05E-05	1.87E-05	7.60E-07	6.95E-06	1.26E-05	9.82E-07	8.67E-06	1.60E-05	1.07E-06	9.38E-06	1.74E-05	1.13E-06	1.00E-05	1.82E-05	9.70E-07	8.60E-06	1.57E-05
1,630	1.34E-06	1.21E-05	2.14E-05	1.15E-06	1.05E-05	1.86E-05	7.60E-07	6.95E-06	1.26E-05	9.82E-07	8.66E-06	1.60E-05	1.07E-06	9.37E-06	1.74E-05	1.13E-06	1.00E-05	1.82E-05	9.69E-07	8.60E-06	1.57E-05
1,631	1.34E-06	1.20E-05	2.14E-05	1.15E-06	1.05E-05	1.86E-05	7.60E-07	6.95E-06	1.26E-05	9.81E-07	8.65E-06	1.60E-05	1.07E-06	9.37E-06	1.74E-05	1.13E-06	1.00E-05	1.82E-05	9.69E-07	8.59E-06	1.57E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,652	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.85E-05	7.50E-07	6.90E-06	1.25E-05	9.72E-07	8.54E-06	1.59E-05	1.06E-06	9.27E-06	1.72E-05	1.13E-06	9.94E-06	1.80E-05	9.57E-07	8.51E-06	1.56E-05
1,653	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.85E-05	7.49E-07	6.89E-06	1.25E-05	9.72E-07	8.53E-06	1.59E-05	1.06E-06	9.27E-06	1.72E-05	1.12E-06	9.93E-06	1.80E-05	9.57E-07	8.50E-06	1.56E-05
1,654	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.84E-05	7.49E-07	6.89E-06	1.25E-05	9.71E-07	8.53E-06	1.59E-05	1.06E-06	9.27E-06	1.72E-05	1.12E-06	9.93E-06	1.80E-05	9.56E-07	8.49E-06	1.56E-05
1,655	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.84E-05	7.49E-07	6.88E-06	1.25E-05	9.71E-07	8.53E-06	1.59E-05	1.06E-06	9.27E-06	1.72E-05	1.12E-06	9.92E-06	1.80E-05	9.53E-07	8.49E-06	1.55E-05
1,656	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.84E-05	7.48E-07	6.87E-06	1.25E-05	9.71E-07	8.53E-06	1.59E-05	1.06E-06	9.26E-06	1.72E-05	1.12E-06	9.92E-06	1.80E-05	9.53E-07	8.49E-06	1.55E-05
1,657	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.04E-05	1.84E-05	7.48E-07	6.87E-06	1.25E-05	9.71E-07	8.53E-06	1.59E-05	1.06E-06	9.26E-06	1.72E-05	1.12E-06	9.91E-06	1.80E-05	9.53E-07	8.48E-06	1.55E-05
1,658	1.33E-06	1.19E-05	2.13E-05	1.14E-06	1.03E-05	1.84E-05	7.47E-07	6.87E-06	1.25E-05	9.70E-07	8.52E-06	1.59E-05	1.06E-06	9.25E-06	1.72E-05	1.12E-06	9.91E-06	1.80E-05	9.53E-07	8.48E-06	1.55E-05
1,659	1.33E-06	1.19E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.47E-07	6.87E-06	1.24E-05	9.70E-07	8.52E-06	1.59E-05	1.06E-06	9.24E-06	1.72E-05	1.12E-06	9.90E-06	1.80E-05	9.53E-07	8.48E-06	1.55E-05
1,660	1.33E-06	1.19E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.46E-07	6.86E-06	1.24E-05	9.69E-07	8.51E-06	1.58E-05	1.06E-06	9.23E-06	1.72E-05	1.12E-06	9.90E-06	1.80E-05	9.52E-07	8.47E-06	1.55E-05
1,661	1.33E-06	1.18E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.46E-07	6.86E-06	1.24E-05	9.68E-07	8.51E-06	1.58E-05	1.06E-06	9.23E-06	1.72E-05	1.12E-06	9.90E-06	1.79E-05	9.52E-07	8.47E-06	1.55E-05
1,662	1.33E-06	1.18E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.46E-07	6.85E-06	1.24E-05	9.67E-07	8.51E-06	1.58E-05	1.06E-06	9.23E-06	1.72E-05	1.12E-06	9.89E-06	1.79E-05	9.52E-07	8.45E-06	1.55E-05
1,663	1.33E-06	1.18E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.46E-07	6.85E-06	1.24E-05	9.67E-07	8.50E-06	1.58E-05	1.06E-06	9.22E-06	1.72E-05	1.12E-06	9.88E-06	1.79E-05	9.52E-07	8.45E-06	1.55E-05
1,664	1.33E-06	1.18E-05	2.12E-05	1.14E-06	1.03E-05	1.84E-05	7.46E-07	6.85E-06	1.24E-05	9.67E-07	8.50E-06	1.58E-05	1.06E-06	9.22E-06	1.72E-05	1.12E-06	9.88E-06	1.79E-05	9.51E-07	8.45E-06	1.5

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,714	1.30E-06	1.16E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.31E-07	6.68E-06	1.22E-05	9.47E-07	8.29E-06	1.54E-05	1.04E-06	9.00E-06	1.68E-05	1.10E-06	9.65E-06	1.75E-05	9.34E-07	8.30E-06	1.51E-05
1,715	1.30E-06	1.16E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.31E-07	6.67E-06	1.22E-05	9.47E-07	8.29E-06	1.54E-05	1.04E-06	9.00E-06	1.68E-05	1.10E-06	9.65E-06	1.74E-05	9.33E-07	8.30E-06	1.51E-05
1,716	1.30E-06	1.15E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.30E-07	6.65E-06	1.22E-05	9.47E-07	8.28E-06	1.54E-05	1.04E-06	8.99E-06	1.68E-05	1.10E-06	9.64E-06	1.74E-05	9.32E-07	8.30E-06	1.51E-05
1,717	1.30E-06	1.15E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.30E-07	6.65E-06	1.22E-05	9.46E-07	8.28E-06	1.54E-05	1.04E-06	8.98E-06	1.68E-05	1.10E-06	9.64E-06	1.74E-05	9.32E-07	8.30E-06	1.51E-05
1,718	1.30E-06	1.15E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.30E-07	6.64E-06	1.21E-05	9.46E-07	8.28E-06	1.54E-05	1.04E-06	8.98E-06	1.68E-05	1.10E-06	9.64E-06	1.74E-05	9.32E-07	8.30E-06	1.51E-05
1,719	1.30E-06	1.15E-05	2.08E-05	1.11E-06	1.01E-05	1.80E-05	7.30E-07	6.64E-06	1.21E-05	9.45E-07	8.27E-06	1.54E-05	1.04E-06	8.98E-06	1.68E-05	1.10E-06	9.63E-06	1.74E-05	9.31E-07	8.30E-06	1.51E-05
1,720	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.01E-05	1.80E-05	7.30E-07	6.64E-06	1.21E-05	9.45E-07	8.27E-06	1.53E-05	1.04E-06	8.97E-06	1.68E-05	1.10E-06	9.62E-06	1.74E-05	9.30E-07	8.29E-06	1.51E-05
1,721	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.29E-07	6.64E-06	1.21E-05	9.44E-07	8.27E-06	1.53E-05	1.04E-06	8.96E-06	1.68E-05	1.10E-06	9.62E-06	1.74E-05	9.30E-07	8.29E-06	1.51E-05
1,722	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.29E-07	6.63E-06	1.21E-05	9.44E-07	8.26E-06	1.53E-05	1.04E-06	8.96E-06	1.68E-05	1.10E-06	9.62E-06	1.74E-05	9.30E-07	8.28E-06	1.51E-05
1,723	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.28E-07	6.62E-06	1.21E-05	9.43E-07	8.26E-06	1.53E-05	1.04E-06	8.94E-06	1.68E-05	1.09E-06	9.60E-06	1.74E-05	9.30E-07	8.28E-06	1.51E-05
1,724	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.28E-07	6.62E-06	1.21E-05	9.43E-07	8.25E-06	1.53E-05	1.04E-06	8.94E-06	1.68E-05	1.09E-06	9.60E-06	1.74E-05	9.30E-07	8.28E-06	1.51E-05
1,725	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.28E-07	6.62E-06	1.21E-05	9.42E-07	8.25E-06	1.53E-05	1.04E-06	8.94E-06	1.68E-05	1.09E-06	9.59E-06	1.74E-05	9.30E-07	8.27E-06	1.51E-05
1,726	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.28E-07	6.62E-06	1.21E-05	9.42E-07	8.24E-06	1.53E-05	1.04E-06	8.93E-06	1.68E-05	1.09E-06	9.59E-06	1.74E-05	9.28E-07	8.27E-06	1.51E-05
1,727	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.28E-07	6.62E-06	1.21E-05	9.40E-07	8.24E-06	1.53E-05	1.04E-06	8.93E-06	1.67E-05	1.09E-06	9.59E-06	1.74E-05	9.28E-07	8.27E-06	1.51E-05
1,728	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.27E-07	6.61E-06	1.21E-05	9.40E-07	8.23E-06	1.53E-05	1.04E-06	8.92E-06	1.67E-05	1.09E-06	9.58E-06	1.74E-05	9.28E-07	8.26E-06	1.51E-05
1,729	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.27E-07	6.61E-06	1.21E-05	9.40E-07	8.23E-06	1.53E-05	1.03E-06	8.92E-06	1.67E-05	1.09E-06	9.58E-06	1.74E-05	9.28E-07	8.26E-06	1.51E-05
1,730	1.30E-06	1.15E-05	2.07E-05	1.11E-06	1.00E-05	1.80E-05	7.27E-07	6.61E-06	1.21E-05	9.39E-07	8.23E-06	1.53E-05	1.03E-06	8.92E-06	1.67E-05	1.09E-06	9.58E-06	1.74E-05	9.27E-07	8.26E-06	1.51E-05
1,731	1.30E-06	1.15E-05	2.06E-05	1.11E-06	1.00E-05	1.79E-05	7.27E-07	6.61E-06	1.21E-05	9.39E-07	8.23E-06	1.53E-05	1.03E-06	8.92E-06	1.67E-05	1.09E-06	9.57E-06	1.74E-05	9.27E-07	8.25E-06	1.51E-05
1,732	1.30E-06	1.15E-05	2.06E-05	1.11E-06	9.99E-06	1.79E-05	7.26E-07	6.61E-06	1.21E-05	9.39E-07	8.23E-06	1.53E-05	1.03E-06	8.92E-06	1.67E-05	1.09E-06	9.56E-06	1.73E-05	9.27E-07	8.25E-06	1.51E-05
1,733	1.30E-06	1.15E-05	2.06E-05	1.11E-06	9.99E-06	1.79E-05	7.25E-07	6.60E-06	1.21E-05	9.39E-07	8.22E-06	1.53E-05	1.03E-06	8.91E-06	1.67E-05	1.09E-06	9.56E-06	1.73E-05	9.27E-07	8.25E-06	1.51E-05
1,734	1.30E-06	1.15E-05	2.06E-05	1.11E-06	9.98E-06	1.79E-05	7.24E-07	6.59E-06	1.21E-05	9.38E-07	8.22E-06	1.53E-05	1.03E-06	8.91E-06	1.67E-05	1.09E-06	9.55E-06	1.73E-05	9.27E-07	8.25E-06	1.50E-05
1,735	1.30E-06	1.15E-05	2.06E-05	1.10E-06	9.98E-06	1.79E-05	7.24E-07	6.59E-06	1.21E-05	9.38E-07	8.22E-06	1.53E-05	1.03E-06	8.90E-06	1.67E-05	1.09E-06	9.55E-06	1.73E-05	9.27E-07	8.25E-06	1.50E-05
1,736	1.30E-06	1.15E-05	2.06E-05	1.10E-06	9.98E-06	1.79E-05	7.24E-07	6.59E-06	1.21E-05	9.38E-07	8.22E-06	1.53E-05	1.03E-06	8.89E-06	1.67E-05	1.09E-06	9.55E-06	1.73E-05	9.26E-07	8.24E-06	1.50E-05
1,737	1.30E-06	1.15E-05	2.06E-05	1.10E-06	9.97E-06	1.79E-05	7.24E-07	6.58E-06	1.21E-05	9.37E-07	8.21E-06	1.52E-05	1.03E-06	8.89E-06	1.67E-05	1.09E-06	9.55E-06	1.73E-05	9.26E-07	8.24E-06	1.50E-05
1,738	1.30E-06	1.15E-05	2.06E-05	1.10E-06	9.97E-06	1.79E-05	7.24E-07	6.58E-06	1.21E-05	9.36E-07	8.21E-06	1.52E-05	1.03E-06	8.88E-06	1.67E-05	1.09E-06	9.54E-06	1.73E-05	9.26E-07	8.24E-06	1.50E-05
1,739	1.30E-06	1.14E-05	2.06E-05	1.10E-06	9.96E-06	1.79E-05	7.24E-07	6.58E-06	1.21E-05	9.35E-07	8.21E-06	1.52E-05	1.03E-06	8.88E-06	1.67E-05	1.09E-06	9.53E-06	1.73E-05	9.25E-07	8.24E-06	1.50E-05
1,740	1.30E-06	1.14E-05	2.06E-05	1.10E-06	9.95E-06	1.79E-05	7.23E-07	6.57E-06	1.21E-05	9.35E-07	8.20E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.09E-06	9.53E-06	1.73E-05	9.25E-07	8.24E-06	1.50E-05
1,741	1.30E-06	1.14E-05	2.06E-05	1.10E-06	9.95E-06	1.79E-05	7.23E-07	6.57E-06	1.21E-05	9.35E-07	8.20E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.09E-06	9.52E-06	1.73E-05	9.25E-07	8.23E-06	1.50E-05
1,742	1.30E-06	1.14E-05	2.06E-05	1.10E-06	9.95E-06	1.79E-05	7.23E-07	6.57E-06	1.20E-05	9.35E-07	8.19E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.08E-06	9.52E-06	1.73E-05	9.24E-07	8.23E-06	1.50E-05
1,743	1.30E-06	1.14E-05	2.05E-05	1.10E-06	9.94E-06	1.79E-05	7.22E-07	6.57E-06	1.20E-05	9.33E-07	8.19E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.08E-06	9.52E-06	1.72E-05	9.24E-07	8.23E-06	1.50E-05
1,744	1.30E-06	1.14E-05	2.05E-05	1.10E-06	9.94E-06	1.79E-05	7.22E-07	6.57E-06	1.20E-05	9.33E-07	8.19E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.08E-06	9.51E-06	1.72E-05	9.23E-07	8.23E-06	1.49E-05
1,745	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.93E-06	1.79E-05	7.21E-07	6.56E-06	1.20E-05	9.32E-07	8.18E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.08E-06	9.50E-06	1.72E-05	9.23E-07	8.23E-06	1.49E-05
1,746	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.93E-06	1.79E-05	7.21E-07	6.55E-06	1.20E-05	9.32E-07	8.17E-06	1.52E-05	1.03E-06	8.87E-06	1.67E-05	1.08E-06	9.49E-06	1.72E-05	9.22E-07	8.23E-06	1.49E-05
1,747	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.92E-06	1.79E-05	7.20E-07	6.55E-06	1.20E-05	9.32E-07	8.17E-06	1.52E-05	1.03E-06	8.85E-06	1.67E-05	1.08E-06	9.49E-06	1.72E-05	9.22E-07	8.22E-06	1.49E-05
1,748	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.92E-06	1.78E-05	7.20E-07	6.54E-06	1.20E-05	9.32E-07	8.17E-06	1.52E-05	1.02E-06	8.84E-06	1.66E-05	1.08E-06	9.49E-06	1.72E-05	9.20E-07	8.22E-06	1.49E-05
1,749	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.92E-06	1.78E-05	7.20E-07	6.54E-06	1.20E-05	9.32E-07	8.16E-06	1.52E-05	1.02E-06	8.84E-06	1.66E-05	1.08E-06	9.48E-06	1.72E-05	9.19E-07	8.22E-06	1.49E-05
1,750	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.92E-06	1.78E-05	7.19E-07	6.53E-06	1.20E-05	9.30E-07	8.16E-06	1.52E-05	1.02E-06	8.84E-06	1.66E-05	1.08E-06	9.48E-06	1.72E-05	9.19E-07	8.22E-06	1.49E-05
1,751	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.90E-06	1.78E-05	7.19E-07	6.53E-06	1.20E-05	9.30E-07	8.15E-06	1.52E-05	1.02E-06	8.84E-06	1.66E-05	1.08E-06	9.47E-06	1.72E-05	9.18E-07	8.21E-06	1.49E-05
1,752	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.89E-06	1.78E-05	7.18E-07	6.52E-06	1.20E-05	9.30E-07	8.15E-06	1.52E-05	1.02E-06	8.83E-06	1.66E-05	1.08E-06	9.46E-06	1.72E-05	9.18E-07	8.21E-06	1.49E-05
1,753	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.89E-06	1.78E-05	7.18E-07	6.52E-06	1.20E-05	9.30E-07	8.14E-06	1.52E-05	1.02E-06	8.82E-06	1.66E-05	1.08E-06	9.46E-06	1.72E-05	9.18E-07	8.21E-06	1.49E-05
1,754	1.29E-06	1.14E-05	2.05E-05	1.10E-06	9.88E-06	1.78E-05	7.17E-07	6.52E-06	1.20E-05	9.29E-07	8.13E-06	1.52E-05	1.02E-06	8.81E-06	1.66E-05	1.08E-06	9.46E-06	1.72E-05	9.18E-07	8.21E-06	1.49E-05
1,755	1.29E-06	1.14E-05	2.04E-05	1.10E-06	9.88E-06	1.78E-05	7.17E-07	6.52E-06	1.20E-05	9.29E-07	8.13E-06	1.52E-05	1.02E-06	8.80E-06	1.66E-05	1.08E-06	9.46E-06	1.72E-05	9.18E-07	8.21E-06	1.49E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,776	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.81E-06	1.76E-05	7.09E-07	6.44E-06	1.19E-05	9.21E-07	8.05E-06	1.50E-05	1.01E-06	8.72E-06	1.65E-05	1.07E-06	9.34E-06	1.70E-05	9.11E-07	8.14E-06	1.48E-05
1,777	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.80E-06	1.76E-05	7.08E-07	6.42E-06	1.18E-05	9.21E-07	8.05E-06	1.50E-05	1.01E-06	8.72E-06	1.65E-05	1.07E-06	9.33E-06	1.70E-05	9.11E-07	8.13E-06	1.48E-05
1,778	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.80E-06	1.76E-05	7.08E-07	6.42E-06	1.18E-05	9.20E-07	8.05E-06	1.50E-05	1.01E-06	8.71E-06	1.65E-05	1.07E-06	9.33E-06	1.70E-05	9.11E-07	8.13E-06	1.48E-05
1,779	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.80E-06	1.76E-05	7.08E-07	6.42E-06	1.18E-05	9.20E-07	8.05E-06	1.50E-05	1.01E-06	8.71E-06	1.65E-05	1.07E-06	9.32E-06	1.70E-05	9.10E-07	8.13E-06	1.48E-05
1,780	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.79E-06	1.76E-05	7.08E-07	6.42E-06	1.18E-05	9.19E-07	8.03E-06	1.50E-05	1.01E-06	8.70E-06	1.65E-05	1.07E-06	9.31E-06	1.70E-05	9.10E-07	8.13E-06	1.48E-05
1,781	1.28E-06	1.12E-05	2.03E-05	1.09E-06	9.79E-06	1.76E-05	7.08E-07	6.40E-06	1.18E-05	9.19E-07	8.03E-06	1.50E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.31E-06	1.70E-05	9.09E-07	8.12E-06	1.48E-05
1,782	1.28E-06	1.12E-05	2.02E-05	1.09E-06	9.79E-06	1.76E-05	7.08E-07	6.40E-06	1.18E-05	9.19E-07	8.03E-06	1.49E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.31E-06	1.70E-05	9.08E-07	8.12E-06	1.48E-05
1,783	1.28E-06	1.12E-05	2.02E-05	1.09E-06	9.78E-06	1.76E-05	7.06E-07	6.40E-06	1.18E-05	9.19E-07	8.03E-06	1.49E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.30E-06	1.70E-05	9.08E-07	8.12E-06	1.48E-05
1,784	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.78E-06	1.76E-05	7.06E-07	6.40E-06	1.18E-05	9.19E-07	8.02E-06	1.49E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.29E-06	1.70E-05	9.07E-07	8.11E-06	1.48E-05
1,785	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.77E-06	1.76E-05	7.06E-07	6.39E-06	1.18E-05	9.18E-07	8.02E-06	1.49E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.29E-06	1.70E-05	9.07E-07	8.11E-06	1.48E-05
1,786	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.76E-06	1.76E-05	7.06E-07	6.39E-06	1.18E-05	9.18E-07	8.00E-06	1.49E-05	1.01E-06	8.70E-06	1.65E-05	1.06E-06	9.28E-06	1.70E-05	9.07E-07	8.11E-06	1.48E-05
1,787	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.75E-06	1.75E-05	7.06E-07	6.39E-06	1.18E-05	9.17E-07	7.99E-06	1.49E-05	1.01E-06	8.69E-06	1.65E-05	1.06E-06	9.28E-06	1.70E-05	9.06E-07	8.11E-06	1.47E-05
1,788	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.75E-06	1.75E-05	7.06E-07	6.39E-06	1.18E-05	9.17E-07	7.99E-06	1.49E-05	1.01E-06	8.69E-06	1.65E-05	1.06E-06	9.28E-06	1.70E-05	9.06E-07	8.10E-06	1.47E-05
1,789	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.74E-06	1.75E-05	7.05E-07	6.39E-06	1.18E-05	9.16E-07	7.99E-06	1.49E-05	1.01E-06	8.68E-06	1.64E-05	1.06E-06	9.28E-06	1.70E-05	9.06E-07	8.10E-06	1.47E-05
1,790	1.27E-06	1.12E-05	2.02E-05	1.08E-06	9.74E-06	1.75E-05	7.04E-07	6.38E-06	1.18E-05	9.15E-07	7.98E-06	1.49E-05	1.01E-06	8.68E-06	1.64E-05	1.06E-06	9.28E-06	1.70E-05	9.06E-07	8.10E-06	1.47E-05
1,791	1.27E-06	1.12E-05	2.01E-05	1.08E-06	9.74E-06	1.75E-05	7.03E-07	6.38E-06	1.18E-05	9.15E-07	7.98E-06	1.49E-05	1.00E-06	8.67E-06	1.64E-05	1.06E-06	9.27E-06	1.70E-05	9.05E-07	8.10E-06	1.47E-05
1,792	1.27E-06	1.12E-05	2.01E-05	1.08E-06	9.73E-06	1.75E-05	7.03E-07	6.37E-06	1.18E-05	9.15E-07	7.97E-06	1.49E-05	1.00E-06	8.67E-06	1.64E-05	1.06E-06	9.26E-06	1.69E-05	9.05E-07	8.09E-06	1.47E-05
1,793	1.27E-06	1.12E-05	2.01E-05	1.08E-06	9.72E-06	1.75E-05	7.03E-07	6.37E-06	1.18E-05	9.14E-07	7.97E-06	1.49E-05	1.00E-06	8.67E-06	1.64E-05	1.06E-06	9.25E-06	1.69E-05	9.05E-07	8.09E-06	1.47E-05
1,794	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.71E-06	1.75E-05	7.02E-07	6.36E-06	1.18E-05	9.13E-07	7.96E-06	1.49E-05	1.00E-06	8.66E-06	1.64E-05	1.06E-06	9.25E-06	1.69E-05	9.05E-07	8.09E-06	1.47E-05
1,795	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.69E-06	1.75E-05	7.01E-07	6.36E-06	1.18E-05	9.13E-07	7.95E-06	1.49E-05	1.00E-06	8.65E-06	1.64E-05	1.06E-06	9.24E-06	1.69E-05	9.05E-07	8.08E-06	1.47E-05
1,796	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.69E-06	1.75E-05	7.01E-07	6.36E-06	1.18E-05	9.13E-07	7.95E-06	1.49E-05	1.00E-06	8.65E-06	1.64E-05	1.06E-06	9.24E-06	1.69E-05	9.05E-07	8.08E-06	1.47E-05
1,797	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.68E-06	1.75E-05	7.01E-07	6.36E-06	1.17E-05	9.13E-07	7.95E-06	1.49E-05	1.00E-06	8.65E-06	1.64E-05	1.06E-06	9.24E-06	1.69E-05	9.04E-07	8.08E-06	1.47E-05
1,798	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.68E-06	1.75E-05	7.00E-07	6.36E-06	1.17E-05	9.12E-07	7.94E-06	1.49E-05	1.00E-06	8.64E-06	1.64E-05	1.06E-06	9.24E-06	1.69E-05	9.03E-07	8.08E-06	1.47E-05
1,799	1.27E-06	1.11E-05	2.01E-05	1.08E-06	9.68E-06	1.75E-05	7.00E-07	6.36E-06	1.17E-05	9.12E-07	7.94E-06	1.49E-05	1.00E-06	8.63E-06	1.63E-05	1.05E-06	9.23E-06	1.69E-05	9.03E-07	8.07E-06	1.47E-05
1,800	1.26E-06	1.11E-05	2.01E-05	1.08E-06	9.68E-06	1.75E-05	7.00E-07	6.36E-06	1.17E-05	9.12E-07	7.94E-06	1.48E-05	1.00E-06	8.62E-06	1.63E-05	1.05E-06	9.23E-06	1.69E-05	9.03E-07	8.06E-06	1.46E-05
1,801	1.26E-06	1.11E-05	2.01E-05	1.08E-06	9.67E-06	1.74E-05	7.00E-07	6.35E-06	1.17E-05	9.12E-07	7.93E-06	1.48E-05	9.99E-07	8.61E-06	1.63E-05	1.05E-06	9.22E-06	1.69E-05	9.02E-07	8.06E-06	1.46E-05
1,802	1.26E-06	1.11E-05	2.01E-05	1.08E-06	9.67E-06	1.74E-05	7.00E-07	6.35E-06	1.17E-05	9.11E-07	7.93E-06	1.48E-05	9.98E-07	8.61E-06	1.63E-05	1.05E-06	9.22E-06	1.69E-05	9.02E-07	8.06E-06	1.46E-05
1,803	1.26E-06	1.11E-05	2.01E-05	1.08E-06	9.67E-06	1.74E-05	6.99E-07	6.35E-06	1.17E-05	9.10E-07	7.93E-06	1.48E-05	9.98E-07	8.61E-06	1.63E-05	1.05E-06	9.22E-06	1.69E-05	9.01E-07	8.06E-06	1.46E-05
1,804	1.26E-06	1.11E-05	2.01E-05	1.07E-06	9.66E-06	1.74E-05	6.99E-07	6.34E-06	1.17E-05	9.09E-07	7.93E-06	1.48E-05	9.98E-07	8.61E-06	1.63E-05	1.05E-06	9.22E-06	1.69E-05	9.01E-07	8.06E-06	1.46E-05
1,805	1.26E-06	1.11E-05	2.01E-05	1.07E-06	9.66E-06	1.74E-05	6.99E-07	6.33E-06	1.17E-05	9.09E-07	7.93E-06	1.48E-05	9.97E-07	8.61E-06	1.63E-05	1.05E-06	9.22E-06	1.69E-05	9.00E-07	8.05E-06	1.46E-05
1,806	1.26E-06	1.11E-05	2.00E-05	1.07E-06	9.65E-06	1.74E-05	6.99E-07	6.33E-06	1.17E-05	9.09E-07	7.93E-06	1.48E-05	9.97E-07	8.60E-06	1.63E-05	1.05E-06	9.21E-06	1.69E-05	9.00E-07	8.05E-06	1.46E-05
1,807	1.26E-06	1.11E-05	2.00E-05	1.07E-06	9.64E-06	1.74E-05	6.98E-07	6.33E-06	1.17E-05	9.09E-07	7.93E-06	1.48E-05	9.96E-07	8.60E-06	1.63E-05	1.05E-06	9.21E-06	1.69E-05	9.00E-07	8.05E-06	1.46E-05
1,808	1.26E-06	1.11E-05	2.00E-05	1.07E-06	9.64E-06	1.74E-05	6.98E-07	6.32E-06	1.17E-05	9.08E-07	7.92E-06	1.48E-05	9.95E-07	8.60E-06	1.63E-05	1.05E-06	9.21E-06	1.69E-05	8.99E-07	8.05E-06	1.46E-05
1,809	1.26E-06	1.11E-05	2.00E-05	1.07E-06	9.63E-06	1.74E-05	6.98E-07	6.32E-06	1.16E-05	9.08E-07	7.92E-06	1.48E-05	9.95E-07	8.60E-06	1.63E-05	1.05E-06	9.20E-06	1.68E-05	8.98E-07	8.04E-06	1.46E-05
1,810	1.26E-06	1.11E-05	2.00E-05	1.07E-06	9.61E-06	1.74E-05	6.98E-07	6.31E-06	1.16E-05	9.07E-07	7.91E-06	1.48E-05	9.95E-07	8.59E-06	1.63E-05	1.05E-06	9.20E-06	1.68E-05	8.98E-07	8.03E-06	1.46E-05
1,811	1.26E-06	1.11E-05	1.99E-05	1.07E-06	9.60E-06	1.74E-05	6.97E-07	6.31E-06	1.16E-05	9.07E-07	7.90E-06	1.47E-05	9.94E-07	8.59E-06	1.63E-05	1.05E-06	9.19E-06	1.68E-05	8.97E-07	8.03E-06	1.46E-05
1,812	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.60E-06	1.74E-05	6.96E-07	6.31E-06	1.16E-05	9.06E-07	7.90E-06	1.47E-05	9.94E-07	8.59E-06	1.63E-05	1.05E-06	9.19E-06	1.68E-05	8.96E-07	8.03E-06	1.46E-05
1,813	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.59E-06	1.73E-05	6.96E-07	6.31E-06	1.16E-05	9.06E-07	7.89E-06	1.47E-05	9.94E-07	8.58E-06	1.63E-05	1.05E-06	9.19E-06	1.68E-05	8.96E-07	8.03E-06	1.45E-05
1,814	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.59E-06	1.73E-05	6.95E-07	6.31E-06	1.16E-05	9.06E-07	7.89E-06	1.47E-05	9.93E-07	8.58E-06	1.62E-05	1.05E-06	9.19E-06	1.68E-05	8.96E-07	8.03E-06	1.45E-05
1,815	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.58E-06	1.73E-05	6.95E-07	6.31E-06	1.16E-05	9.06E-07	7.89E-06	1.47E-05	9.92E-07	8.57E-06	1.62E-05	1.05E-06	9.18E-06	1.68E-05	8.96E-07	8.02E-06	1.45E-05
1,816	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.57E-06	1.73E-05	6.94E-07	6.30E-06	1.16E-05	9.05E-07	7.89E-06	1.47E-05	9.92E-07	8.57E-06	1.62E-05	1.05E-06	9.18E-06	1.68E-05	8.95E-07	8.02E-06	1.45E-05
1,817	1.26E-06	1.10E-05	1.99E-05	1.07E-06	9.57E-06	1.73E-05	6.94E-07	6.30E-06	1.16E-05	9.05E-07	7.89E-06	1.47E-05	9.91E-07	8.57E-06	1.62E-05	1.05E-06	9.18E-06	1.68E-05	8.95E-07	8.00E-06	1.45E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,838	1.25E-06	1.09E-05	1.98E-05	1.06E-06	9.50E-06	1.72E-05	6.86E-07	6.24E-06	1.15E-05	6.98E-07	7.83E-06	1.46E-05	9.84E-07	8.51E-06	1.61E-05	1.04E-06	9.11E-06	1.66E-05	8.88E-07	7.93E-06	1.44E-05
1,839	1.25E-06	1.09E-05	1.98E-05	1.06E-06	9.50E-06	1.72E-05	6.86E-07	6.24E-06	1.15E-05	8.98E-07	7.82E-06	1.46E-05	9.84E-07	8.51E-06	1.61E-05	1.04E-06	9.11E-06	1.66E-05	8.87E-07	7.92E-06	1.44E-05
1,840	1.25E-06	1.09E-05	1.97E-05	1.06E-06	9.49E-06	1.72E-05	6.86E-07	6.24E-06	1.15E-05	8.98E-07	7.82E-06	1.46E-05	9.84E-07	8.50E-06	1.60E-05	1.04E-06	9.11E-06	1.66E-05	8.87E-07	7.92E-06	1.44E-05
1,841	1.24E-06	1.09E-05	1.97E-05	1.06E-06	9.49E-06	1.72E-05	6.85E-07	6.23E-06	1.15E-05	8.97E-07	7.81E-06	1.46E-05	9.83E-07	8.50E-06	1.60E-05	1.04E-06	9.11E-06	1.66E-05	8.87E-07	7.92E-06	1.44E-05
1,842	1.24E-06	1.09E-05	1.97E-05	1.06E-06	9.48E-06	1.72E-05	6.85E-07	6.23E-06	1.15E-05	8.97E-07	7.81E-06	1.46E-05	9.83E-07	8.50E-06	1.60E-05	1.04E-06	9.10E-06	1.66E-05	8.87E-07	7.90E-06	1.44E-05
1,843	1.24E-06	1.09E-05	1.97E-05	1.06E-06	9.48E-06	1.72E-05	6.85E-07	6.23E-06	1.15E-05	8.96E-07	7.80E-06	1.45E-05	9.82E-07	8.50E-06	1.60E-05	1.03E-06	9.09E-06	1.66E-05	8.86E-07	7.90E-06	1.44E-05
1,844	1.24E-06	1.09E-05	1.97E-05	1.06E-06	9.48E-06	1.72E-05	6.85E-07	6.22E-06	1.15E-05	8.96E-07	7.80E-06	1.45E-05	9.82E-07	8.50E-06	1.60E-05	1.03E-06	9.09E-06	1.66E-05	8.86E-07	7.89E-06	1.44E-05
1,845	1.24E-06	1.09E-05	1.97E-05	1.06E-06	9.47E-06	1.72E-05	6.84E-07	6.22E-06	1.15E-05	8.96E-07	7.80E-06	1.45E-05	9.82E-07	8.50E-06	1.60E-05	1.03E-06	9.09E-06	1.66E-05	8.86E-07	7.89E-06	1.44E-05
1,846	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.47E-06	1.71E-05	6.84E-07	6.22E-06	1.15E-05	8.95E-07	7.80E-06	1.45E-05	9.81E-07	8.49E-06	1.60E-05	1.03E-06	9.08E-06	1.66E-05	8.86E-07	7.89E-06	1.44E-05
1,847	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.46E-06	1.71E-05	6.84E-07	6.22E-06	1.15E-05	8.94E-07	7.80E-06	1.45E-05	9.80E-07	8.49E-06	1.60E-05	1.03E-06	9.08E-06	1.66E-05	8.84E-07	7.88E-06	1.43E-05
1,848	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.46E-06	1.71E-05	6.84E-07	6.22E-06	1.15E-05	8.94E-07	7.80E-06	1.45E-05	9.80E-07	8.48E-06	1.60E-05	1.03E-06	9.08E-06	1.66E-05	8.84E-07	7.88E-06	1.43E-05
1,849	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.45E-06	1.71E-05	6.84E-07	6.22E-06	1.15E-05	8.93E-07	7.80E-06	1.45E-05	9.79E-07	8.48E-06	1.60E-05	1.03E-06	9.07E-06	1.66E-05	8.84E-07	7.87E-06	1.43E-05
1,850	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.45E-06	1.71E-05	6.83E-07	6.22E-06	1.15E-05	8.93E-07	7.80E-06	1.45E-05	9.79E-07	8.48E-06	1.60E-05	1.03E-06	9.05E-06	1.65E-05	8.84E-07	7.86E-06	1.43E-05
1,851	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.45E-06	1.71E-05	6.82E-07	6.22E-06	1.15E-05	8.93E-07	7.79E-06	1.45E-05	9.79E-07	8.47E-06	1.60E-05	1.03E-06	9.04E-06	1.65E-05	8.83E-07	7.85E-06	1.43E-05
1,852	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.44E-06	1.71E-05	6.82E-07	6.22E-06	1.15E-05	8.93E-07	7.78E-06	1.45E-05	9.78E-07	8.46E-06	1.60E-05	1.03E-06	9.04E-06	1.65E-05	8.83E-07	7.85E-06	1.43E-05
1,853	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.44E-06	1.71E-05	6.82E-07	6.21E-06	1.15E-05	8.93E-07	7.78E-06	1.45E-05	9.78E-07	8.46E-06	1.60E-05	1.03E-06	9.04E-06	1.65E-05	8.83E-07	7.85E-06	1.43E-05
1,854	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.43E-06	1.71E-05	6.82E-07	6.20E-06	1.15E-05	8.93E-07	7.77E-06	1.44E-05	9.77E-07	8.46E-06	1.60E-05	1.03E-06	9.03E-06	1.65E-05	8.83E-07	7.84E-06	1.43E-05
1,855	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.43E-06	1.71E-05	6.82E-07	6.20E-06	1.15E-05	8.92E-07	7.77E-06	1.44E-05	9.76E-07	8.45E-06	1.60E-05	1.03E-06	9.03E-06	1.65E-05	8.82E-07	7.84E-06	1.43E-05
1,856	1.24E-06	1.08E-05	1.97E-05	1.06E-06	9.43E-06	1.71E-05	6.82E-07	6.19E-06	1.15E-05	8.92E-07	7.77E-06	1.44E-05	9.76E-07	8.45E-06	1.60E-05	1.03E-06	9.02E-06	1.65E-05	8.82E-07	7.83E-06	1.43E-05
1,857	1.24E-06	1.08E-05	1.97E-05	1.05E-06	9.43E-06	1.71E-05	6.81E-07	6.19E-06	1.14E-05	8.92E-07	7.77E-06	1.44E-05	9.76E-07	8.44E-06	1.60E-05	1.03E-06	9.02E-06	1.65E-05	8.82E-07	7.83E-06	1.43E-05
1,858	1.23E-06	1.08E-05	1.97E-05	1.05E-06	9.42E-06	1.71E-05	6.80E-07	6.18E-06	1.14E-05	8.90E-07	7.76E-06	1.44E-05	9.76E-07	8.43E-06	1.59E-05	1.02E-06	9.02E-06	1.65E-05	8.81E-07	7.82E-06	1.43E-05
1,859	1.23E-06	1.08E-05	1.96E-05	1.05E-06	9.42E-06	1.71E-05	6.80E-07	6.18E-06	1.14E-05	8.90E-07	7.76E-06	1.44E-05	9.75E-07	8.43E-06	1.59E-05	1.02E-06	9.00E-06	1.65E-05	8.81E-07	7.81E-06	1.43E-05
1,860	1.23E-06	1.08E-05	1.96E-05	1.05E-06	9.41E-06	1.71E-05	6.80E-07	6.17E-06	1.14E-05	8.89E-07	7.75E-06	1.44E-05	9.75E-07	8.43E-06	1.59E-05	1.02E-06	9.00E-06	1.65E-05	8.81E-07	7.80E-06	1.43E-05
1,861	1.23E-06	1.08E-05	1.96E-05	1.05E-06	9.41E-06	1.71E-05	6.80E-07	6.16E-06	1.14E-05	8.89E-07	7.75E-06	1.44E-05	9.74E-07	8.43E-06	1.59E-05	1.02E-06	8.99E-06	1.65E-05	8.80E-07	7.80E-06	1.43E-05
1,862	1.23E-06	1.08E-05	1.96E-05	1.05E-06	9.40E-06	1.70E-05	6.80E-07	6.16E-06	1.14E-05	8.89E-07	7.75E-06	1.44E-05	9.74E-07	8.43E-06	1.59E-05	1.02E-06	8.98E-06	1.65E-05	8.80E-07	7.80E-06	1.43E-05
1,863	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.40E-06	1.70E-05	6.79E-07	6.16E-06	1.14E-05	8.88E-07	7.74E-06	1.44E-05	9.74E-07	8.43E-06	1.59E-05	1.02E-06	8.98E-06	1.65E-05	8.80E-07	7.80E-06	1.43E-05
1,864	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.40E-06	1.70E-05	6.79E-07	6.16E-06	1.14E-05	8.88E-07	7.74E-06	1.44E-05	9.74E-07	8.43E-06	1.59E-05	1.02E-06	8.98E-06	1.65E-05	8.79E-07	7.79E-06	1.43E-05
1,865	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.39E-06	1.70E-05	6.79E-07	6.15E-06	1.14E-05	8.88E-07	7.73E-06	1.44E-05	9.73E-07	8.42E-06	1.59E-05	1.02E-06	8.97E-06	1.65E-05	8.78E-07	7.78E-06	1.43E-05
1,866	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.39E-06	1.70E-05	6.79E-07	6.15E-06	1.14E-05	8.87E-07	7.73E-06	1.44E-05	9.72E-07	8.42E-06	1.59E-05	1.02E-06	8.96E-06	1.65E-05	8.78E-07	7.78E-06	1.43E-05
1,867	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.38E-06	1.70E-05	6.78E-07	6.14E-06	1.14E-05	8.86E-07	7.72E-06	1.44E-05	9.72E-07	8.42E-06	1.59E-05	1.02E-06	8.96E-06	1.65E-05	8.77E-07	7.77E-06	1.42E-05
1,868	1.23E-06	1.07E-05	1.96E-05	1.05E-06	9.38E-06	1.70E-05	6.78E-07	6.14E-06	1.14E-05	8.85E-07	7.72E-06	1.43E-05	9.71E-07	8.41E-06	1.59E-05	1.02E-06	8.96E-06	1.65E-05	8.77E-07	7.77E-06	1.42E-05
1,869	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.37E-06	1.70E-05	6.77E-07	6.13E-06	1.14E-05	8.85E-07	7.72E-06	1.43E-05	9.71E-07	8.41E-06	1.59E-05	1.02E-06	8.95E-06	1.64E-05	8.76E-07	7.77E-06	1.42E-05
1,870	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.37E-06	1.70E-05	6.77E-07	6.13E-06	1.14E-05	8.84E-07	7.71E-06	1.43E-05	9.70E-07	8.41E-06	1.59E-05	1.02E-06	8.95E-06	1.64E-05	8.76E-07	7.77E-06	1.42E-05
1,871	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.37E-06	1.70E-05	6.77E-07	6.12E-06	1.14E-05	8.83E-07	7.70E-06	1.43E-05	9.70E-07	8.41E-06	1.59E-05	1.02E-06	8.95E-06	1.64E-05	8.76E-07	7.76E-06	1.42E-05
1,872	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.37E-06	1.70E-05	6.77E-07	6.12E-06	1.14E-05	8.83E-07	7.70E-06	1.43E-05	9.70E-07	8.41E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.76E-07	7.76E-06	1.42E-05
1,873	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.36E-06	1.70E-05	6.77E-07	6.12E-06	1.14E-05	8.83E-07	7.70E-06	1.43E-05	9.69E-07	8.41E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.75E-07	7.75E-06	1.42E-05
1,874	1.23E-06	1.07E-05	1.95E-05	1.05E-06	9.35E-06	1.70E-05	6.76E-07	6.12E-06	1.14E-05	8.83E-07	7.70E-06	1.43E-05	9.69E-07	8.41E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.75E-07	7.75E-06	1.42E-05
1,875	1.22E-06	1.07E-05	1.95E-05	1.05E-06	9.35E-06	1.70E-05	6.76E-07	6.11E-06	1.13E-05	8.83E-07	7.70E-06	1.43E-05	9.68E-07	8.41E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.74E-07	7.75E-06	1.42E-05
1,876	1.22E-06	1.07E-05	1.95E-05	1.05E-06	9.35E-06	1.70E-05	6.76E-07	6.11E-06	1.13E-05	8.83E-07	7.69E-06	1.43E-05	9.68E-07	8.40E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.73E-07	7.74E-06	1.42E-05
1,877	1.22E-06	1.07E-05	1.95E-05	1.05E-06	9.35E-06	1.69E-05	6.75E-07	6.11E-06	1.13E-05	8.83E-07	7.69E-06	1.43E-05	9.67E-07	8.40E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.73E-07	7.74E-06	1.42E-05
1,878	1.22E-06	1.07E-05	1.95E-05	1.05E-06	9.34E-06	1.69E-05	6.75E-07	6.11E-06	1.13E-05	8.83E-07	7.69E-06	1.42E-05	9.67E-07	8.40E-06	1.58E-05	1.02E-06	8.94E-06	1.64E-05	8.72E-07	7.74E-06	1.42E-05
1,879	1.22E-06	1.07E-05	1.95E-05	1.05E-06	9.34E-06	1.69E-05	6.74E-07	6.11E-06	1.13E-05	8.82E-07	7.69E-06	1.42E-05	9.67E-07	8.39E-06	1.58E-05	1.01E-06	8.93E-06	1.64E-05	8.72E-07	7.74E-06	1.42E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,900	1.21E-06	1.06E-05	1.94E-05	1.04E-06	9.24E-06	1.68E-05	6.68E-07	6.05E-06	1.12E-05	8.73E-07	7.62E-06	1.41E-05	9.58E-07	8.31E-06	1.56E-05	1.00E-06	8.87E-06	1.63E-05	8.66E-07	7.68E-06	1.41E-05
1,901	1.21E-06	1.06E-05	1.94E-05	1.04E-06	9.23E-06	1.68E-05	6.67E-07	6.05E-06	1.12E-05	8.72E-07	7.62E-06	1.41E-05	9.58E-07	8.31E-06	1.56E-05	1.00E-06	8.87E-06	1.63E-05	8.65E-07	7.67E-06	1.41E-05
1,902	1.21E-06	1.06E-05	1.94E-05	1.04E-06	9.23E-06	1.68E-05	6.67E-07	6.05E-06	1.12E-05	8.72E-07	7.61E-06	1.41E-05	9.58E-07	8.31E-06	1.56E-05	1.00E-06	8.86E-06	1.63E-05	8.65E-07	7.67E-06	1.40E-05
1,903	1.21E-06	1.05E-05	1.94E-05	1.04E-06	9.23E-06	1.67E-05	6.66E-07	6.05E-06	1.12E-05	8.71E-07	7.60E-06	1.41E-05	9.57E-07	8.30E-06	1.56E-05	1.00E-06	8.86E-06	1.63E-05	8.64E-07	7.67E-06	1.40E-05
1,904	1.21E-06	1.05E-05	1.94E-05	1.04E-06	9.23E-06	1.67E-05	6.66E-07	6.04E-06	1.12E-05	8.70E-07	7.60E-06	1.41E-05	9.57E-07	8.30E-06	1.56E-05	1.00E-06	8.86E-06	1.63E-05	8.64E-07	7.66E-06	1.40E-05
1,905	1.21E-06	1.05E-05	1.94E-05	1.04E-06	9.22E-06	1.67E-05	6.66E-07	6.04E-06	1.12E-05	8.70E-07	7.59E-06	1.41E-05	9.57E-07	8.30E-06	1.56E-05	1.00E-06	8.86E-06	1.63E-05	8.64E-07	7.65E-06	1.40E-05
1,906	1.21E-06	1.05E-05	1.94E-05	1.03E-06	9.21E-06	1.67E-05	6.65E-07	6.04E-06	1.12E-05	8.70E-07	7.59E-06	1.41E-05	9.56E-07	8.30E-06	1.56E-05	1.00E-06	8.85E-06	1.63E-05	8.63E-07	7.65E-06	1.40E-05
1,907	1.21E-06	1.05E-05	1.94E-05	1.03E-06	9.20E-06	1.67E-05	6.65E-07	6.04E-06	1.12E-05	8.69E-07	7.59E-06	1.41E-05	9.56E-07	8.29E-06	1.56E-05	1.00E-06	8.85E-06	1.63E-05	8.63E-07	7.65E-06	1.40E-05
1,908	1.21E-06	1.05E-05	1.93E-05	1.03E-06	9.20E-06	1.67E-05	6.65E-07	6.04E-06	1.12E-05	8.68E-07	7.59E-06	1.41E-05	9.56E-07	8.28E-06	1.55E-05	1.00E-06	8.85E-06	1.63E-05	8.63E-07	7.64E-06	1.40E-05
1,909	1.20E-06	1.05E-05	1.93E-05	1.03E-06	9.19E-06	1.67E-05	6.65E-07	6.04E-06	1.12E-05	8.68E-07	7.59E-06	1.41E-05	9.56E-07	8.28E-06	1.55E-05	1.00E-06	8.84E-06	1.63E-05	8.62E-07	7.64E-06	1.40E-05
1,910	1.20E-06	1.05E-05	1.93E-05	1.03E-06	9.19E-06	1.67E-05	6.65E-07	6.04E-06	1.12E-05	8.67E-07	7.59E-06	1.41E-05	9.55E-07	8.27E-06	1.55E-05	1.00E-06	8.83E-06	1.63E-05	8.62E-07	7.64E-06	1.40E-05
1,911	1.20E-06	1.05E-05	1.93E-05	1.03E-06	9.19E-06	1.67E-05	6.65E-07	6.03E-06	1.12E-05	8.67E-07	7.58E-06	1.41E-05	9.55E-07	8.27E-06	1.55E-05	1.00E-06	8.83E-06	1.62E-05	8.62E-07	7.63E-06	1.40E-05
1,912	1.20E-06	1.05E-05	1.93E-05	1.03E-06	9.18E-06	1.67E-05	6.65E-07	6.03E-06	1.12E-05	8.67E-07	7.57E-06	1.41E-05	9.55E-07	8.26E-06	1.55E-05	1.00E-06	8.83E-06	1.62E-05	8.61E-07	7.63E-06	1.4

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,962	1.18E-06	1.03E-05	1.89E-05	1.01E-06	8.97E-06	1.65E-05	6.52E-07	5.88E-06	1.10E-05	8.47E-07	7.40E-06	1.39E-05	9.35E-07	8.11E-06	1.53E-05	9.80E-07	8.69E-06	1.60E-05	8.46E-07	7.48E-06	1.37E-05
1,963	1.18E-06	1.03E-05	1.89E-05	1.01E-06	8.97E-06	1.65E-05	6.52E-07	5.88E-06	1.10E-05	8.46E-07	7.40E-06	1.38E-05	9.35E-07	8.11E-06	1.53E-05	9.80E-07	8.68E-06	1.60E-05	8.46E-07	7.48E-06	1.37E-05
1,964	1.18E-06	1.03E-05	1.89E-05	1.01E-06	8.96E-06	1.65E-05	6.51E-07	5.87E-06	1.10E-05	8.46E-07	7.40E-06	1.38E-05	9.35E-07	8.10E-06	1.53E-05	9.80E-07	8.68E-06	1.60E-05	8.45E-07	7.48E-06	1.37E-05
1,965	1.18E-06	1.03E-05	1.89E-05	1.01E-06	8.95E-06	1.64E-05	6.51E-07	5.87E-06	1.10E-05	8.46E-07	7.40E-06	1.38E-05	9.34E-07	8.09E-06	1.53E-05	9.79E-07	8.68E-06	1.60E-05	8.45E-07	7.47E-06	1.37E-05
1,966	1.18E-06	1.03E-05	1.89E-05	1.01E-06	8.95E-06	1.64E-05	6.51E-07	5.87E-06	1.10E-05	8.46E-07	7.40E-06	1.38E-05	9.34E-07	8.08E-06	1.53E-05	9.78E-07	8.68E-06	1.60E-05	8.45E-07	7.46E-06	1.37E-05
1,967	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.95E-06	1.64E-05	6.51E-07	5.87E-06	1.09E-05	8.46E-07	7.40E-06	1.38E-05	9.33E-07	8.08E-06	1.53E-05	9.78E-07	8.68E-06	1.59E-05	8.45E-07	7.46E-06	1.37E-05
1,968	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.95E-06	1.64E-05	6.51E-07	5.87E-06	1.09E-05	8.45E-07	7.40E-06	1.38E-05	9.33E-07	8.08E-06	1.53E-05	9.78E-07	8.68E-06	1.59E-05	8.44E-07	7.46E-06	1.37E-05
1,969	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.94E-06	1.64E-05	6.51E-07	5.87E-06	1.09E-05	8.45E-07	7.39E-06	1.38E-05	9.32E-07	8.08E-06	1.53E-05	9.78E-07	8.67E-06	1.59E-05	8.44E-07	7.46E-06	1.37E-05
1,970	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.94E-06	1.64E-05	6.51E-07	5.87E-06	1.09E-05	8.45E-07	7.39E-06	1.38E-05	9.32E-07	8.08E-06	1.53E-05	9.78E-07	8.67E-06	1.59E-05	8.44E-07	7.46E-06	1.37E-05
1,971	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.93E-06	1.64E-05	6.50E-07	5.87E-06	1.09E-05	8.44E-07	7.39E-06	1.38E-05	9.32E-07	8.08E-06	1.53E-05	9.77E-07	8.66E-06	1.59E-05	8.44E-07	7.45E-06	1.37E-05
1,972	1.18E-06	1.02E-05	1.89E-05	1.01E-06	8.93E-06	1.64E-05	6.50E-07	5.86E-06	1.09E-05	8.44E-07	7.39E-06	1.38E-05	9.32E-07	8.07E-06	1.53E-05	9.77E-07	8.65E-06	1.59E-05	8.43E-07	7.45E-06	1.37E-05
1,973	1.18E-06	1.02E-05	1.88E-05	1.01E-06	8.93E-06	1.64E-05	6.50E-07	5.86E-06	1.09E-05	8.44E-07	7.38E-06	1.38E-05	9.32E-07	8.07E-06	1.53E-05	9.77E-07	8.64E-06	1.59E-05	8.42E-07	7.45E-06	1.37E-05
1,974	1.18E-06	1.02E-05	1.88E-05	1.01E-06	8.93E-06	1.64E-05	6.50E-07	5.86E-06	1.09E-05	8.44E-07	7.38E-06	1.38E-05	9.31E-07	8.07E-06	1.53E-05	9.77E-07	8.64E-06	1.59E-05	8.42E-07	7.45E-06	1.36E-05
1,975	1.18E-06	1.02E-05	1.88E-05	1.01E-06	8.92E-06	1.64E-05	6.50E-07	5.85E-06	1.09E-05	8.43E-07	7.38E-06	1.38E-05	9.31E-07	8.07E-06	1.53E-05	9.76E-07	8.63E-06	1.59E-05	8.42E-07	7.44E-06	1.36E-05
1,976	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.91E-06	1.64E-05	6.50E-07	5.85E-06	1.09E-05	8.43E-07	7.38E-06	1.38E-05	9.30E-07	8.06E-06	1.53E-05	9.76E-07	8.63E-06	1.59E-05	8.41E-07	7.42E-06	1.36E-05
1,977	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.91E-06	1.64E-05	6.49E-07	5.85E-06	1.09E-05	8.42E-07	7.38E-06	1.38E-05	9.30E-07	8.06E-06	1.52E-05	9.76E-07	8.63E-06	1.59E-05	8.40E-07	7.42E-06	1.36E-05
1,978	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.91E-06	1.64E-05	6.49E-07	5.85E-06	1.09E-05	8.42E-07	7.37E-06	1.38E-05	9.30E-07	8.05E-06	1.52E-05	9.75E-07	8.63E-06	1.59E-05	8.39E-07	7.41E-06	1.36E-05
1,979	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.91E-06	1.64E-05	6.49E-07	5.85E-06	1.09E-05	8.42E-07	7.36E-06	1.38E-05	9.30E-07	8.05E-06	1.52E-05	9.75E-07	8.62E-06	1.59E-05	8.38E-07	7.41E-06	1.36E-05
1,980	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.91E-06	1.64E-05	6.49E-07	5.85E-06	1.09E-05	8.41E-07	7.36E-06	1.38E-05	9.28E-07	8.04E-06	1.52E-05	9.73E-07	8.61E-06	1.59E-05	8.38E-07	7.41E-06	1.36E-05
1,981	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.90E-06	1.64E-05	6.48E-07	5.85E-06	1.09E-05	8.41E-07	7.36E-06	1.37E-05	9.28E-07	8.04E-06	1.52E-05	9.73E-07	8.60E-06	1.58E-05	8.38E-07	7.41E-06	1.36E-05
1,982	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.89E-06	1.64E-05	6.48E-07	5.84E-06	1.09E-05	8.41E-07	7.36E-06	1.37E-05	9.28E-07	8.04E-06	1.52E-05	9.73E-07	8.60E-06	1.58E-05	8.36E-07	7.41E-06	1.36E-05
1,983	1.17E-06	1.02E-05	1.88E-05	1.01E-06	8.89E-06	1.63E-05	6.48E-07	5.84E-06	1.09E-05	8.40E-07	7.36E-06	1.37E-05	9.27E-07	8.04E-06	1.52E-05	9.72E-07	8.60E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,984	1.17E-06	1.02E-05	1.88E-05	1.00E-06	8.89E-06	1.63E-05	6.48E-07	5.84E-06	1.09E-05	8.40E-07	7.35E-06	1.37E-05	9.27E-07	8.03E-06	1.52E-05	9.71E-07	8.60E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,985	1.17E-06	1.02E-05	1.88E-05	1.00E-06	8.89E-06	1.63E-05	6.48E-07	5.84E-06	1.09E-05	8.40E-07	7.35E-06	1.37E-05	9.27E-07	8.03E-06	1.52E-05	9.71E-07	8.59E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,986	1.17E-06	1.02E-05	1.88E-05	1.00E-06	8.88E-06	1.63E-05	6.48E-07	5.84E-06	1.09E-05	8.40E-07	7.35E-06	1.37E-05	9.27E-07	8.03E-06	1.52E-05	9.70E-07	8.58E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,987	1.17E-06	1.02E-05	1.87E-05	1.00E-06	8.88E-06	1.63E-05	6.47E-07	5.84E-06	1.09E-05	8.40E-07	7.35E-06	1.37E-05	9.26E-07	8.03E-06	1.52E-05	9.70E-07	8.58E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,988	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.88E-06	1.63E-05	6.47E-07	5.84E-06	1.09E-05	8.39E-07	7.34E-06	1.37E-05	9.26E-07	8.02E-06	1.52E-05	9.70E-07	8.58E-06	1.58E-05	8.36E-07	7.39E-06	1.36E-05
1,989	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.88E-06	1.63E-05	6.47E-07	5.83E-06	1.09E-05	8.39E-07	7.34E-06	1.37E-05	9.25E-07	8.02E-06	1.52E-05	9.70E-07	8.58E-06	1.58E-05	8.35E-07	7.38E-06	1.36E-05
1,990	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.87E-06	1.63E-05	6.47E-07	5.83E-06	1.09E-05	8.39E-07	7.34E-06	1.37E-05	9.25E-07	8.01E-06	1.52E-05	9.69E-07	8.58E-06	1.58E-05	8.35E-07	7.38E-06	1.36E-05
1,991	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.87E-06	1.63E-05	6.47E-07	5.83E-06	1.09E-05	8.39E-07	7.34E-06	1.37E-05	9.24E-07	8.01E-06	1.52E-05	9.69E-07	8.57E-06	1.58E-05	8.35E-07	7.38E-06	1.36E-05
1,992	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.87E-06	1.63E-05	6.46E-07	5.83E-06	1.09E-05	8.39E-07	7.33E-06	1.37E-05	9.24E-07	8.01E-06	1.52E-05	9.69E-07	8.56E-06	1.58E-05	8.35E-07	7.38E-06	1.35E-05
1,993	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.87E-06	1.63E-05	6.46E-07	5.83E-06	1.09E-05	8.38E-07	7.33E-06	1.37E-05	9.24E-07	8.00E-06	1.52E-05	9.69E-07	8.56E-06	1.58E-05	8.34E-07	7.38E-06	1.35E-05
1,994	1.17E-06	1.01E-05	1.87E-05	1.00E-06	8.86E-06	1.63E-05	6.46E-07	5.82E-06	1.08E-05	8.37E-07	7.33E-06	1.36E-05	9.24E-07	8.00E-06	1.52E-05	9.68E-07	8.56E-06	1.58E-05	8.34E-07	7.38E-06	1.35E-05
1,995	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.86E-06	1.63E-05	6.45E-07	5.82E-06	1.08E-05	8.37E-07	7.33E-06	1.36E-05	9.23E-07	8.00E-06	1.52E-05	9.68E-07	8.56E-06	1.58E-05	8.34E-07	7.37E-06	1.35E-05
1,996	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.86E-06	1.63E-05	6.45E-07	5.82E-06	1.08E-05	8.36E-07	7.32E-06	1.36E-05	9.23E-07	8.00E-06	1.51E-05	9.67E-07	8.56E-06	1.58E-05	8.34E-07	7.37E-06	1.35E-05
1,997	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.85E-06	1.63E-05	6.45E-07	5.81E-06	1.08E-05	8.36E-07	7.32E-06	1.36E-05	9.23E-07	8.00E-06	1.51E-05	9.67E-07	8.56E-06	1.58E-05	8.34E-07	7.37E-06	1.35E-05
1,998	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.85E-06	1.63E-05	6.45E-07	5.81E-06	1.08E-05	8.36E-07	7.32E-06	1.36E-05	9.22E-07	7.99E-06	1.51E-05	9.66E-07	8.56E-06	1.57E-05	8.33E-07	7.36E-06	1.35E-05
1,999	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.85E-06	1.63E-05	6.44E-07	5.81E-06	1.08E-05	8.35E-07	7.32E-06	1.36E-05	9.22E-07	7.99E-06	1.51E-05	9.65E-07	8.55E-06	1.57E-05	8.32E-07	7.36E-06	1.35E-05
2,000	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.85E-06	1.63E-05	6.44E-07	5.81E-06	1.08E-05	8.34E-07	7.31E-06	1.36E-05	9.22E-07	7.98E-06	1.51E-05	9.65E-07	8.55E-06	1.57E-05	8.32E-07	7.36E-06	1.35E-05
2,001	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.84E-06	1.63E-05	6.44E-07	5.80E-06	1.08E-05	8.34E-07	7.31E-06	1.36E-05	9.22E-07	7.98E-06	1.51E-05	9.64E-07	8.55E-06	1.57E-05	8.32E-07	7.36E-06	1.35E-05
2,002	1.16E-06	1.01E-05	1.87E-05	1.00E-06	8.84E-06	1.62E-05	6.43E-07	5.80E-06	1.08E-05	8.33E-07	7.30E-06	1.36E-05	9.21E-07	7.98E-06	1.51E-05	9.64E-07	8.55E-06	1.57E-05	8.32E-07	7.35E-06	1.35E-05
2,003	1.16E-06	1.01E-05	1.87E-05	9.99E-07	8.84E-06	1.62E-05	6.43E-07	5.80E-06	1.08E-05	8.33E-07	7.30E-06	1.36E-05	9.21E-07	7.98E-06	1.51E-05	9.63E-07	8.54E-06	1.57E-05	8.32E-07	7.35E-06	1.35E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,024	1.15E-06	1.00E-05	1.85E-05	9.90E-07	8.77E-06	1.61E-05	6.38E-07	5.76E-06	1.07E-05	8.26E-07	7.23E-06	1.35E-05	9.14E-07	7.91E-06	1.49E-05	9.54E-07	8.45E-06	1.56E-05	8.24E-07	7.29E-06	1.34E-05
2,025	1.15E-06	1.00E-05	1.85E-05	9.90E-07	8.77E-06	1.61E-05	6.37E-07	5.76E-06	1.07E-05	8.25E-07	7.23E-06	1.35E-05	9.14E-07	7.91E-06	1.49E-05	9.54E-07	8.45E-06	1.55E-05	8.24E-07	7.29E-06	1.34E-05
2,026	1.15E-06	1.00E-05	1.85E-05	9.90E-07	8.76E-06	1.61E-05	6.37E-07	5.75E-06	1.07E-05	8.25E-07	7.22E-06	1.35E-05	9.12E-07	7.90E-06	1.49E-05	9.54E-07	8.44E-06	1.55E-05	8.24E-07	7.29E-06	1.34E-05
2,027	1.15E-06	9.99E-06	1.85E-05	9.89E-07	8.76E-06	1.61E-05	6.37E-07	5.75E-06	1.07E-05	8.24E-07	7.22E-06	1.35E-05	9.12E-07	7.90E-06	1.49E-05	9.53E-07	8.43E-06	1.55E-05	8.23E-07	7.29E-06	1.34E-05
2,028	1.15E-06	9.99E-06	1.85E-05	9.87E-07	8.76E-06	1.61E-05	6.37E-07	5.74E-06	1.07E-05	8.24E-07	7.22E-06	1.35E-05	9.12E-07	7.90E-06	1.49E-05	9.53E-07	8.43E-06	1.55E-05	8.23E-07	7.29E-06	1.34E-05
2,029	1.15E-06	9.99E-06	1.85E-05	9.87E-07	8.76E-06	1.61E-05	6.37E-07	5.74E-06	1.07E-05	8.23E-07	7.21E-06	1.35E-05	9.12E-07	7.90E-06	1.49E-05	9.53E-07	8.43E-06	1.55E-05	8.22E-07	7.28E-06	1.34E-05
2,030	1.15E-06	9.98E-06	1.85E-05	9.87E-07	8.76E-06	1.61E-05	6.37E-07	5.74E-06	1.07E-05	8.23E-07	7.21E-06	1.35E-05	9.12E-07	7.90E-06	1.49E-05	9.52E-07	8.43E-06	1.55E-05	8.21E-07	7.28E-06	1.34E-05
2,031	1.15E-06	9.98E-06	1.85E-05	9.86E-07	8.76E-06	1.61E-05	6.37E-07	5.74E-06	1.07E-05	8.23E-07	7.21E-06	1.35E-05	9.12E-07	7.89E-06	1.49E-05	9.52E-07	8.42E-06	1.55E-05	8.20E-07	7.28E-06	1.34E-05
2,032	1.15E-06	9.97E-06	1.85E-05	9.86E-07	8.76E-06	1.61E-05	6.36E-07	5.74E-06	1.07E-05	8.22E-07	7.21E-06	1.35E-05	9.11E-07	7.89E-06	1.49E-05	9.51E-07	8.42E-06	1.55E-05	8.20E-07	7.28E-06	1.34E-05
2,033	1.15E-06	9.97E-06	1.85E-05	9.85E-07	8.75E-06	1.61E-05	6.36E-07	5.73E-06	1.07E-05	8.22E-07	7.21E-06	1.34E-05	9.11E-07	7.89E-06	1.49E-05	9.51E-07	8.42E-06	1.55E-05	8.20E-07	7.27E-06	1.34E-05
2,034	1.14E-06	9.96E-06	1.84E-05	9.84E-07	8.75E-06	1.61E-05	6.36E-07	5.73E-06	1.07E-05	8.22E-07	7.20E-06	1.34E-05	9.11E-07	7.89E-06	1.49E-05	9.50E-07	8.42E-06	1.55E-05	8.20E-07	7.27E-06	1.34E-05
2,035	1.14E-06	9.96E-06	1.84E-05	9.84E-07	8.74E-06	1.61E-05	6.36E-07	5.73E-06	1.07E-05	8.22E-07	7.20E-06	1.34E-05	9.11E-07	7.89E-06	1.49E-05	9.50E-07	8.41E-06	1.55E-05	8.20E-07	7.27E-06	1.34E-05
2,036	1.14E-06	9.96E-06	1.84E-05	9.84E-07	8.74E-06	1.60E-05	6.36E-07	5.73E-06	1.07E-05	8.21E-07	7.20E-06	1.34E-05	9.11E-07	7.89E-06	1.49E-05	9.50E-07	8.41E-06	1.55E-05	8.19E-07	7.27E-06	1.34E-05
2,037	1.14E-06	9.94E-06	1.84E-05	9.84E-07	8.74E-06	1.60E-05	6.35E-07	5.73E-06	1.07E-05	8.21E-07	7.20E-06	1.34E-05	9.10E-07	7.89E-06	1.49E-05	9.50E-07	8.41E-06	1.55E-05	8.18E-07	7.27E-06	1.34E-05
2,038	1.14E-06	9.94E-06	1.84E-05	9.83E-07	8.73E-06	1.60E-05	6.34E-07	5.72E-06	1.07E-05	8.21E-07	7.20E-06	1.34E-05	9.10E-07	7.88E-06	1.48E-05	9.49E-07	8.41E-06	1.55E-05	8.17E-07	7.26E-06	1.34E-05
2,039	1.14E-06	9.94E-06	1.84E-05	9.83E-07	8.73E-06	1.60E-05	6.34E-07	5.72E-06	1.07E-05	8.20E-07	7.19E-06	1.34E-05	9.09E-07	7.88E-06	1.48E-05	9.48E-07	8.41E-06	1.55E-05	8.17E-07	7.26E-06	1.33E-05
2,040	1.14E-06	9.92E-06	1.84E-05	9.83E-07	8.72E-06	1.60E-05	6.34E-07	5.72E-06	1.06E-05	8.20E-07	7.19E-06	1.34E-05	9.09E-07	7.88E-06	1.48E-05	9.48E-07	8.40E-06	1.55E-05	8.17E-07	7.26E-06	1.33E-05
2,041	1.14E-06	9.92E-06	1.84E-05	9.83E-07	8.72E-06	1.60E-05	6.33E-07	5.72E-06	1.06E-05	8.19E-07	7.18E-06	1.34E-05	9.09E-07	7.88E-06	1.48E-05	9.47E-07	8.40E-06	1.55E-05	8.17E-07	7.26E-06	1.33E-05
2,042	1.14E-06	9.92E-06	1.84E-05	9.82E-07	8.72E-06	1.60E-05	6.33E-07	5.72E-06	1.06E-05	8.19E-07	7.18E-06	1.34E-05	9.08E-07	7.87E-06	1.48E-05	9.47E-07	8.40E-06	1.55E-05	8.17E-07	7.25E-06	1.33E-05
2,043	1.14E-06	9.92E-06	1.84E-05	9.80E-07	8.71E-06	1.60E-05	6.33E-07	5.71E-06	1.06E-05	8.19E-07	7.18E-06	1.33E-05	9.08E-07	7.87E-06	1.48E-05	9.46E-07	8.40E-06	1.54E-05	8.16E-07	7.25E-06	1.33E-05
2,044	1.14E-06	9.92E-06	1.84E-05	9.80E-07	8.71E-06	1.60E-05	6.33E-07	5.71E-06	1.06E-05	8.18E-07	7.17E-06	1.33E-05	9.08E-07	7.86E-06	1.48E-05	9.45E-07	8.39E-06	1.54E-05	8.16E-07	7.25E-06	1.33E-05
2,045	1.14E-06	9.92E-06	1.84E-05	9.80E-07	8.71E-06	1.60E-05	6.33E-07	5.71E-06	1.06E-05	8.15E-07	7.17E-06	1.33E-05	9.07E-07	7.86E-06	1.48E-05	9.45E-07	8.39E-06	1.54E-05	8.16E-07	7.25E-06	1.33E-05
2,046	1.14E-06	9.91E-06	1.84E-05	9.79E-07	8.70E-06	1.60E-05	6.32E-07	5.71E-06	1.06E-05	8.15E-07	7.17E-06	1.33E-05	9.07E-07	7.86E-06	1.48E-05	9.45E-07	8.39E-06	1.54E-05	8.15E-07	7.24E-06	1.33E-05
2,047	1.14E-06	9.91E-06	1.84E-05	9.79E-07	8.70E-06	1.60E-05	6.32E-07	5.70E-06	1.06E-05	8.14E-07	7.17E-06	1.33E-05	9.06E-07	7.86E-06	1.48E-05	9.44E-07	8.38E-06	1.54E-05	8.15E-07	7.23E-06	1.33E-05
2,048	1.14E-06	9.91E-06	1.84E-05	9.78E-07	8.70E-06	1.60E-05	6.32E-07	5.70E-06	1.06E-05	8.13E-07	7.17E-06	1.33E-05	9.06E-07	7.84E-06	1.48E-05	9.44E-07	8.38E-06	1.54E-05	8.14E-07	7.23E-06	1.33E-05
2,049	1.14E-06	9.91E-06	1.84E-05	9.77E-07	8.68E-06	1.60E-05	6.31E-07	5.69E-06	1.06E-05	8.13E-07	7.16E-06	1.33E-05	9.06E-07	7.84E-06	1.48E-05	9.44E-07	8.38E-06	1.54E-05	8.14E-07	7.23E-06	1.33E-05
2,050	1.14E-06	9.90E-06	1.84E-05	9.77E-07	8.68E-06	1.60E-05	6.31E-07	5.69E-06	1.06E-05	8.13E-07	7.16E-06	1.33E-05	9.06E-07	7.84E-06	1.48E-05	9.43E-07	8.38E-06	1.54E-05	8.14E-07	7.22E-06	1.33E-05
2,051	1.14E-06	9.90E-06	1.84E-05	9.77E-07	8.68E-06	1.60E-05	6.31E-07	5.68E-06	1.06E-05	8.13E-07	7.16E-06	1.33E-05	9.06E-07	7.84E-06	1.48E-05	9.43E-07	8.37E-06	1.54E-05	8.13E-07	7.22E-06	1.33E-05
2,052	1.14E-06	9.90E-06	1.83E-05	9.76E-07	8.67E-06	1.60E-05	6.30E-07	5.68E-06	1.06E-05	8.13E-07	7.16E-06	1.33E-05	9.05E-07	7.84E-06	1.48E-05	9.42E-07	8.37E-06	1.54E-05	8.13E-07	7.22E-06	1.33E-05
2,053	1.14E-06	9.89E-06	1.83E-05	9.75E-07	8.66E-06	1.60E-05	6.30E-07	5.68E-06	1.06E-05	8.12E-07	7.15E-06	1.33E-05	9.03E-07	7.84E-06	1.48E-05	9.42E-07	8.37E-06	1.54E-05	8.13E-07	7.22E-06	1.33E-05
2,054	1.14E-06	9.89E-06	1.83E-05	9.74E-07	8.66E-06	1.60E-05	6.30E-07	5.68E-06	1.06E-05	8.12E-07	7.15E-06	1.33E-05	9.03E-07	7.84E-06	1.47E-05	9.42E-07	8.37E-06	1.54E-05	8.12E-07	7.22E-06	1.33E-05
2,055	1.14E-06	9.89E-06	1.83E-05	9.74E-07	8.66E-06	1.60E-05	6.30E-07	5.68E-06	1.06E-05	8.12E-07	7.14E-06	1.33E-05	9.03E-07	7.83E-06	1.47E-05	9.42E-07	8.36E-06	1.54E-05	8.12E-07	7.21E-06	1.33E-05
2,056	1.14E-06	9.89E-06	1.83E-05	9.73E-07	8.65E-06	1.60E-05	6.30E-07	5.68E-06	1.06E-05	8.11E-07	7.13E-06	1.33E-05	9.03E-07	7.83E-06	1.47E-05	9.42E-07	8.36E-06	1.54E-05	8.12E-07	7.21E-06	1.33E-05
2,057	1.14E-06	9.88E-06	1.83E-05	9.73E-07	8.65E-06	1.60E-05	6.30E-07	5.67E-06	1.06E-05	8.11E-07	7.13E-06	1.33E-05	9.03E-07	7.83E-06	1.47E-05	9.42E-07	8.36E-06	1.54E-05	8.12E-07	7.20E-06	1.33E-05
2,058	1.14E-06	9.88E-06	1.83E-05	9.73E-07	8.65E-06	1.60E-05	6.29E-07	5.67E-06	1.05E-05	8.11E-07	7.13E-06	1.33E-05	9.03E-07	7.83E-06	1.47E-05	9.40E-07	8.36E-06	1.54E-05	8.12E-07	7.20E-06	1.33E-05
2,059	1.13E-06	9.88E-06	1.83E-05	9.72E-07	8.65E-06	1.60E-05	6.29E-07	5.67E-06	1.05E-05	8.11E-07	7.13E-06	1.33E-05	9.03E-07	7.82E-06	1.47E-05	9.39E-07	8.35E-06	1.54E-05	8.12E-07	7.20E-06	1.33E-05
2,060	1.13E-06	9.88E-06	1.83E-05	9.72E-07	8.65E-06	1.60E-05	6.29E-07	5.67E-06	1.05E-05	8.10E-07	7.12E-06	1.33E-05	9.03E-07	7.81E-06	1.47E-05	9.39E-07	8.35E-06	1.54E-05	8.12E-07	7.20E-06	1.32E-05
2,061	1.13E-06	9.87E-06	1.83E-05	9.72E-07	8.65E-06	1.60E-05	6.29E-07	5.66E-06	1.05E-05	8.10E-07	7.12E-06	1.33E-05	9.02E-07	7.81E-06	1.47E-05	9.39E-07	8.35E-06	1.54E-05	8.11E-07	7.19E-06	1.32E-05
2,062	1.13E-06	9.87E-06	1.83E-05	9.72E-07	8.65E-06	1.60E-05	6.29E-07	5.66E-06	1.05E-05	8.10E-07	7.11E-06	1.33E-05	9.02E-07	7.80E-06	1.47E-05	9.39E-07	8.35E-06	1.54E-05	8.11E-07	7.19E-06	1.32E-05
2,063	1.13E-06	9.86E-06	1.83E-05	9.71E-07	8.65E-06	1.59E-05	6.28E-07	5.66E-06	1.05E-05	8.09E-07	7.10E-06	1.33E-05	9.01E-07	7.80E-06	1.47E-05	9.38E-07	8.35E-06	1.54E-05	8.10E-07	7.19E-06	1.32E-05
2,064	1.13E-06	9.86E-06	1.83E-05	9.71E-07	8.65E-06	1.59E-05	6.28E-07	5.66E-06	1.05E-05	8.09E-07	7.10E-06	1.32E-05	9.01E-07	7.80E-06	1.47E-05	9.38E-07	8.34E-06	1.54E-05	8.10E-07	7.19E-06	1.32E-05
2,065	1.13E-06	9.86E-06	1.83E-05	9.71E-07	8.64E-06	1.59E-05	6.28E-07	5.66E-06	1.05E-05	8.09E-07	7.10E-06	1.32E-05	9.01E-07	7.80E-06	1.47E-05	9.38E-07	8.33E-06	1.54E-05	8.10E-07	7.18E-06	1.32E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,086	1.12E-06	9.76E-06	1.82E-05	9.61E-07	8.57E-06	1.58E-05	6.21E-07	5.60E-06	1.05E-05	8.05E-07	7.05E-06	1.32E-05	8.94E-07	7.74E-06	1.45E-05	9.30E-07	8.27E-06	1.52E-05	8.03E-07	7.10E-06	1.31E-05
2,087	1.12E-06	9.76E-06	1.82E-05	9.60E-07	8.57E-06	1.58E-05	6.21E-07	5.60E-06	1.05E-05	8.04E-07	7.05E-06	1.32E-05	8.93E-07	7.74E-06	1.45E-05	9.29E-07	8.26E-06	1.52E-05	8.02E-07	7.10E-06	1.31E-05
2,088	1.12E-06	9.76E-06	1.82E-05	9.60E-07	8.56E-06	1.58E-05	6.20E-07	5.59E-06	1.04E-05	8.04E-07	7.04E-06	1.31E-05	8.93E-07	7.74E-06	1.45E-05	9.29E-07	8.26E-06	1.52E-05	8.02E-07	7.10E-06	1.31E-05
2,089	1.12E-06	9.75E-06	1.82E-05	9.59E-07	8.55E-06	1.58E-05	6.20E-07	5.59E-06	1.04E-05	8.04E-07	7.04E-06	1.31E-05	8.92E-07	7.74E-06	1.45E-05	9.29E-07	8.26E-06	1.52E-05	8.02E-07	7.09E-06	1.31E-05
2,090	1.12E-06	9.74E-06	1.81E-05	9.59E-07	8.55E-06	1.58E-05	6.20E-07	5.59E-06	1.04E-05	8.04E-07	7.04E-06	1.31E-05	8.92E-07	7.74E-06	1.45E-05	9.29E-07	8.26E-06	1.52E-05	8.02E-07	7.09E-06	1.31E-05
2,091	1.12E-06	9.74E-06	1.81E-05	9.58E-07	8.54E-06	1.58E-05	6.20E-07	5.59E-06	1.04E-05	8.04E-07	7.04E-06	1.31E-05	8.91E-07	7.74E-06	1.45E-05	9.28E-07	8.25E-06	1.52E-05	8.02E-07	7.08E-06	1.31E-05
2,092	1.12E-06	9.74E-06	1.81E-05	9.57E-07	8.54E-06	1.58E-05	6.20E-07	5.58E-06	1.04E-05	8.03E-07	7.04E-06	1.31E-05	8.91E-07	7.74E-06	1.45E-05	9.28E-07	8.25E-06	1.52E-05	8.01E-07	7.08E-06	1.31E-05
2,093	1.12E-06	9.74E-06	1.81E-05	9.57E-07	8.54E-06	1.58E-05	6.19E-07	5.58E-06	1.04E-05	8.03E-07	7.04E-06	1.31E-05	8.91E-07	7.73E-06	1.45E-05	9.28E-07	8.24E-06	1.52E-05	8.01E-07	7.08E-06	1.31E-05
2,094	1.12E-06	9.73E-06	1.81E-05	9.57E-07	8.54E-06	1.58E-05	6.19E-07	5.58E-06	1.04E-05	8.03E-07	7.04E-06	1.31E-05	8.91E-07	7.73E-06	1.45E-05	9.27E-07	8.24E-06	1.52E-05	8.01E-07	7.08E-06	1.31E-05
2,095	1.12E-06	9.73E-06	1.81E-05	9.56E-07	8.54E-06	1.58E-05	6.19E-07	5.58E-06	1.04E-05	8.03E-07	7.04E-06	1.31E-05	8.91E-07	7.73E-06	1.45E-05	9.27E-07	8.23E-06	1.52E-05	8.01E-07	7.08E-06	1.31E-05
2,096	1.12E-06	9.73E-06	1.81E-05	9.56E-07	8.53E-06	1.58E-05	6.18E-07	5.58E-06	1.04E-05	8.02E-07	7.03E-06	1.31E-05	8.91E-07	7.72E-06	1.45E-05	9.27E-07	8.23E-06	1.52E-05	8.00E-07	7.08E-06	1.31E-05
2,097	1.12E-06	9.72E-06	1.81E-05	9.56E-07	8.53E-06	1.58E-05	6.18E-07	5.58E-06	1.04E-05	8.02E-07	7.03E-06	1.31E-05	8.91E-07	7.72E-06	1.45E-05	9.27E-07	8.23E-06	1.52E-05	8.00E-07	7.07E-06	1.31E-05
2,098	1.12E-06	9.72E-06	1.81E-05	9.56E-07	8.52E-06	1.58E-05	6.18E-07	5.58E-06	1.04E-05	8.02E-07	7.03E-06	1.31E-05	8.90E-07	7.72E-06	1.45E-05	9.26E-07	8.23E-06	1.52E-05	8.00E-07	7.07E-06	1.31E-05
2,099	1.12E-06	9.72E-06	1.81E-05	9.55E-07	8.52E-06	1.58E-05	6.17E-07	5.58E-06	1.04E-05	8.01E-07	7.02E-06	1.31E-05	8.90E-07	7.72E-06	1.45E-05	9.26E-07	8.23E-06	1.52E-05	8.00E-07	7.06E-06	1.31E-05
2,100	1.11E-06	9.72E-06	1.81E-05	9.55E-07	8.52E-06	1.58E-05	6.17E-07	5.57E-06	1.04E-05	8.01E-07	7.02E-06	1.31E-05	8.90E-07	7.71E-06	1.45E-05	9.26E-07	8.23E-06	1.52E-05	8.00E-07	7.06E-06	1.31E-05
2,101	1.11E-06	9.72E-06	1.81E-05	9.55E-07	8.52E-06	1.58E-05	6.16E-07	5.56E-06	1.04E-05	8.00E-07	7.02E-06	1.31E-05	8.89E-07	7.71E-06	1.45E-05	9.26E-07	8.23E-06	1.52E-05	8.00E-07	7.06E-06	1.30E-05
2,102	1.11E-06	9.71E-06	1.81E-05	9.55E-07	8.52E-06	1.58E-05	6.16E-07	5.56E-06	1.04E-05	8.00E-07	7.01E-06	1.30E-05	8.89E-07	7.70E-06	1.45E-05	9.26E-07	8.22E-06	1.51E-05	8.00E-07	7.06E-06	1.30E-05
2,103	1.11E-06	9.71E-06	1.80E-05	9.55E-07	8.51E-06	1.58E-05	6.16E-07	5.56E-06	1.04E-05	8.00E-07	7.01E-06	1.30E-05	8.89E-07	7.70E-06	1.45E-05	9.25E-07	8.22E-06	1.51E-05	7.99E-07	7.06E-06	1.30E-05
2,104	1.11E-06	9.71E-06	1.80E-05	9.54E-07	8.51E-06	1.58E-05	6.16E-07	5.56E-06	1.04E-05	7.99E-07	7.01E-06	1.30E-05	8.89E-07	7.69E-06	1.44E-05	9.25E-07	8.22E-06	1.51E-05	7.99E-07	7.06E-06	1.30E-05
2,105	1.11E-06	9.71E-06	1.80E-05	9.54E-07	8.51E-06	1.58E-05	6.16E-07	5.56E-06	1.04E-05	7.98E-07	7.00E-06	1.30E-05	8.88E-07	7.69E-06	1.44E-05	9.24E-07	8.21E-06	1.51E-05	7.98E-07	7.05E-06	1.30E-05
2,106	1.11E-06	9.71E-06	1.80E-05	9.54E-07	8.51E-06	1.57E-05	6.16E-07	5.56E-06	1.04E-05	7.98E-07	7.00E-06	1.30E-05	8.88E-07	7.68E-06	1.44E-05	9.24E-07	8.20E-06	1.51E-05	7.98E-07	7.05E-06	1.30E-05
2,107	1.11E-06	9.70E-06	1.80E-05	9.53E-07	8.51E-06	1.57E-05	6.15E-07	5.56E-06	1.04E-05	7.97E-07	7.00E-06	1.30E-05	8.88E-07	7.68E-06	1.44E-05	9.23E-07	8.20E-06	1.51E-05	7.98E-07	7.05E-06	1.30E-05
2,108	1.11E-06	9.69E-06	1.80E-05	9.53E-07	8.50E-06	1.57E-05	6.15E-07	5.55E-06	1.04E-05	7.97E-07	7.00E-06	1.30E-05	8.88E-07	7.68E-06	1.44E-05	9.23E-07	8.20E-06	1.51E-05	7.98E-07	7.05E-06	1.30E-05
2,109	1.11E-06	9.69E-06	1.80E-05	9.53E-07	8.50E-06	1.57E-05	6.15E-07	5.55E-06	1.03E-05	7.97E-07	6.99E-06	1.30E-05	8.88E-07	7.68E-06	1.44E-05	9.23E-07	8.19E-06	1.51E-05	7.97E-07	7.04E-06	1.30E-05
2,110	1.11E-06	9.69E-06	1.80E-05	9.52E-07	8.50E-06	1.57E-05	6.15E-07	5.55E-06	1.03E-05	7.97E-07	6.99E-06	1.30E-05	8.87E-07	7.67E-06	1.44E-05	9.22E-07	8.19E-06	1.51E-05	7.97E-07	7.03E-06	1.30E-05
2,111	1.11E-06	9.69E-06	1.80E-05	9.52E-07	8.49E-06	1.57E-05	6.15E-07	5.55E-06	1.03E-05	7.97E-07	6.98E-06	1.30E-05	8.87E-07	7.67E-06	1.44E-05	9.22E-07	8.19E-06	1.51E-05	7.97E-07	7.03E-06	1.30E-05
2,112	1.11E-06	9.69E-06	1.80E-05	9.52E-07	8.49E-06	1.57E-05	6.15E-07	5.55E-06	1.03E-05	7.96E-07	6.98E-06	1.30E-05	8.87E-07	7.67E-06	1.44E-05	9.22E-07	8.18E-06	1.51E-05	7.96E-07	7.02E-06	1.30E-05
2,113	1.11E-06	9.68E-06	1.80E-05	9.51E-07	8.49E-06	1.57E-05	6.15E-07	5.55E-06	1.03E-05	7.96E-07	6.98E-06	1.30E-05	8.87E-07	7.67E-06	1.44E-05	9.22E-07	8.18E-06	1.51E-05	7.96E-07	7.02E-06	1.30E-05
2,114	1.11E-06	9.68E-06	1.80E-05	9.51E-07	8.49E-06	1.57E-05	6.14E-07	5.55E-06	1.03E-05	7.95E-07	6.98E-06	1.30E-05	8.86E-07	7.67E-06	1.44E-05	9.22E-07	8.17E-06	1.51E-05	7.96E-07	7.01E-06	1.30E-05
2,115	1.11E-06	9.67E-06	1.80E-05	9.50E-07	8.48E-06	1.57E-05	6.14E-07	5.54E-06	1.03E-05	7.95E-07	6.98E-06	1.30E-05	8.86E-07	7.67E-06	1.44E-05	9.21E-07	8.17E-06	1.51E-05	7.96E-07	7.01E-06	1.30E-05
2,116	1.11E-06	9.67E-06	1.80E-05	9.50E-07	8.47E-06	1.57E-05	6.14E-07	5.54E-06	1.03E-05	7.95E-07	6.98E-06	1.30E-05	8.86E-07	7.66E-06	1.44E-05	9.20E-07	8.17E-06	1.51E-05	7.96E-07	7.01E-06	1.29E-05
2,117	1.11E-06	9.67E-06	1.80E-05	9.50E-07	8.47E-06	1.57E-05	6.14E-07	5.54E-06	1.03E-05	7.95E-07	6.97E-06	1.30E-05	8.86E-07	7.66E-06	1.44E-05	9.20E-07	8.17E-06	1.51E-05	7.96E-07	7.01E-06	1.29E-05
2,118	1.11E-06	9.67E-06	1.80E-05	9.49E-07	8.47E-06	1.57E-05	6.14E-07	5.54E-06	1.03E-05	7.95E-07	6.97E-06	1.30E-05	8.86E-07	7.66E-06	1.44E-05	9.20E-07	8.16E-06	1.51E-05	7.96E-07	7.00E-06	1.29E-05
2,119	1.11E-06	9.67E-06	1.80E-05	9.48E-07	8.47E-06	1.57E-05	6.13E-07	5.53E-06	1.03E-05	7.94E-07	6.97E-06	1.30E-05	8.85E-07	7.66E-06	1.44E-05	9.19E-07	8.16E-06	1.51E-05	7.96E-07	7.00E-06	1.29E-05
2,120	1.10E-06	9.67E-06	1.80E-05	9.48E-07	8.46E-06	1.56E-05	6.13E-07	5.53E-06	1.03E-05	7.94E-07	6.97E-06	1.30E-05	8.85E-07	7.65E-06	1.44E-05	9.18E-07	8.14E-06	1.51E-05	7.96E-07	7.00E-06	1.29E-05
2,121	1.10E-06	9.66E-06	1.80E-05	9.48E-07	8.46E-06	1.56E-05	6.13E-07	5.53E-06	1.03E-05	7.94E-07	6.96E-06	1.30E-05	8.84E-07	7.65E-06	1.44E-05	9.18E-07	8.14E-06	1.51E-05	7.96E-07	7.00E-06	1.29E-05
2,122	1.10E-06	9.65E-06	1.80E-05	9.47E-07	8.46E-06	1.56E-05	6.13E-07	5.53E-06	1.03E-05	7.94E-07	6.95E-06	1.30E-05	8.84E-07	7.64E-06	1.44E-05	9.18E-07	8.14E-06	1.51E-05	7.95E-07	7.00E-06	1.29E-05
2,123	1.10E-06	9.65E-06	1.80E-05	9.46E-07	8.45E-06	1.56E-05	6.13E-07	5.53E-06	1.03E-05	7.94E-07	6.95E-06	1.30E-05	8.84E-07	7.64E-06	1.44E-05	9.17E-07	8.14E-06	1.51E-05	7.94E-07	7.00E-06	1.29E-05
2,124	1.10E-06	9.65E-06	1.79E-05	9.46E-07	8.45E-06	1.56E-05	6.13E-07	5.52E-06	1.03E-05	7.94E-07	6.95E-06	1.30E-05	8.84E-07	7.64E-06	1.44E-05	9.17E-07	8.14E-06	1.51E-05	7.94E-07	7.00E-06	1.29E-05
2,125	1.10E-06	9.64E-06	1.79E-05	9.45E-07	8.45E-06	1.56E-05	6.12E-07	5.52E-06	1.03E-05	7.93E-07	6.95E-06	1.30E-05	8.84E-07	7.64E-06	1.44E-05	9.17E-07	8.14E-06	1.50E-05	7.93E-07	7.00E-06	1.29E-05
2,126	1.10E-06	9.64E-06	1.79E-05	9.45E-07	8.44E-06	1.56E-05	6.12E-07	5.51E-06	1.03E-05	7.93E-07	6.94E-06	1.30E-05	8.84E-07	7.63E-06	1.43E-05	9.17E-07	8.13E-06	1.50E-05	7.92E-07	6.99E-06	1.29E-05
2,127	1.10E-06	9.63E-06	1.79E-05	9.45E-07	8.44E-06	1.56E-05	6.12E-07	5.51E-06	1.03E-05	7.92E-07	6.94E-06	1.30E-05	8.84E-07	7.63E-06	1.43E-05	9.17E-07	8.13E-06	1.50E-05	7.92E-07	6.99E-06	1.29E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,148	1.09E-06	9.56E-06	1.78E-05	9.38E-07	8.36E-06	1.55E-05	6.06E-07	5.47E-06	1.02E-05	7.83E-07	6.89E-06	1.29E-05	8.78E-07	7.58E-06	1.42E-05	9.09E-07	8.09E-06	1.49E-05	7.84E-07	6.93E-06	1.28E-05
2,149	1.09E-06	9.56E-06	1.78E-05	9.38E-07	8.35E-06	1.55E-05	6.06E-07	5.47E-06	1.02E-05	7.83E-07	6.89E-06	1.29E-05	8.78E-07	7.58E-06	1.42E-05	9.08E-07	8.09E-06	1.49E-05	7.84E-07	6.92E-06	1.28E-05
2,150	1.09E-06	9.55E-06	1.78E-05	9.37E-07	8.35E-06	1.55E-05	6.05E-07	5.46E-06	1.02E-05	7.83E-07	6.89E-06	1.29E-05	8.77E-07	7.58E-06	1.42E-05	9.08E-07	8.08E-06	1.49E-05	7.83E-07	6.92E-06	1.28E-05
2,151	1.09E-06	9.55E-06	1.78E-05	9.37E-07	8.35E-06	1.55E-05	6.05E-07	5.46E-06	1.02E-05	7.82E-07	6.89E-06	1.29E-05	8.77E-07	7.57E-06	1.42E-05	9.08E-07	8.08E-06	1.49E-05	7.83E-07	6.91E-06	1.28E-05
2,152	1.09E-06	9.54E-06	1.78E-05	9.36E-07	8.34E-06	1.55E-05	6.05E-07	5.46E-06	1.02E-05	7.82E-07	6.89E-06	1.29E-05	8.77E-07	7.57E-06	1.42E-05	9.08E-07	8.08E-06	1.49E-05	7.82E-07	6.91E-06	1.28E-05
2,153	1.09E-06	9.54E-06	1.77E-05	9.36E-07	8.34E-06	1.55E-05	6.05E-07	5.46E-06	1.02E-05	7.82E-07	6.89E-06	1.29E-05	8.77E-07	7.57E-06	1.42E-05	9.08E-07	8.07E-06	1.49E-05	7.82E-07	6.91E-06	1.28E-05
2,154	1.09E-06	9.54E-06	1.77E-05	9.35E-07	8.34E-06	1.55E-05	6.05E-07	5.46E-06	1.02E-05	7.81E-07	6.89E-06	1.29E-05	8.76E-07	7.57E-06	1.42E-05	9.08E-07	8.07E-06	1.49E-05	7.82E-07	6.90E-06	1.28E-05
2,155	1.09E-06	9.53E-06	1.77E-05	9.35E-07	8.34E-06	1.54E-05	6.04E-07	5.46E-06	1.02E-05	7.81E-07	6.89E-06	1.28E-05	8.76E-07	7.57E-06	1.42E-05	9.08E-07	8.07E-06	1.49E-05	7.81E-07	6.90E-06	1.28E-05
2,156	1.09E-06	9.53E-06	1.77E-05	9.35E-07	8.33E-06	1.54E-05	6.04E-07	5.46E-06	1.02E-05	7.81E-07	6.88E-06	1.28E-05	8.75E-07	7.57E-06	1.42E-05	9.08E-07	8.06E-06	1.49E-05	7.81E-07	6.89E-06	1.28E-05
2,157	1.09E-06	9.53E-06	1.77E-05	9.35E-07	8.33E-06	1.54E-05	6.03E-07	5.46E-06	1.02E-05	7.81E-07	6.88E-06	1.28E-05	8.75E-07	7.57E-06	1.42E-05	9.08E-07	8.06E-06	1.49E-05	7.81E-07	6.89E-06	1.28E-05
2,158	1.09E-06	9.53E-06	1.77E-05	9.34E-07	8.32E-06	1.54E-05	6.03E-07	5.46E-06	1.02E-05	7.80E-07	6.87E-06	1.28E-05	8.75E-07	7.57E-06	1.42E-05	9.08E-07	8.05E-06	1.49E-05	7.81E-07	6.89E-06	1.28E-05
2,159	1.09E-06	9.52E-06	1.77E-05	9.34E-07	8.32E-06	1.54E-05	6.03E-07	5.45E-06	1.02E-05	7.79E-07	6.87E-06	1.28E-05	8.74E-07	7.57E-06	1.42E-05	9.07E-07	8.05E-06	1.49E-05	7.80E-07	6.89E-06	1.28E-05
2,160	1.09E-06	9.51E-06	1.77E-05	9.34E-07	8.32E-06	1.54E-05	6.03E-07	5.45E-06	1.02E-05	7.79E-07	6.87E-06	1.28E-05	8.74E-07	7.57E-06	1.42E-05	9.07E-07	8.05E-06	1.49E-05	7.80E-07	6.88E-06	1.28E-05
2,161	1.09E-06	9.51E-06	1.77E-05	9.34E-07	8.31E-06	1.54E-05	6.03E-07	5.45E-06	1.02E-05	7.79E-07	6.86E-06	1.28E-05	8.74E-07	7.56E-06	1.42E-05	9.06E-07	8.05E-06	1.49E-05	7.79E-07	6.87E-06	1.28E-05
2,162	1.09E-06	9.49E-06	1.77E-05	9.34E-07	8.31E-06	1.54E-05	6.02E-07	5.44E-06	1.02E-05	7.78E-07	6.86E-06	1.28E-05	8.74E-07	7.56E-06	1.41E-05	9.06E-07	8.04E-06	1.49E-05	7.78E-07	6.87E-06	1.28E-05
2,163	1.09E-06	9.49E-06	1.77E-05	9.34E-07	8.31E-06	1.54E-05	6.02E-07	5.43E-06	1.02E-05	7.77E-07	6.85E-06	1.28E-05	8.74E-07	7.55E-06	1.41E-05	9.06E-07	8.04E-06	1.49E-05	7.78E-07	6.87E-06	1.28E-05
2,164	1.09E-06	9.48E-06	1.77E-05	9.33E-07	8.31E-06	1.53E-05	6.02E-07	5.43E-06	1.01E-05	7.77E-07	6.85E-06	1.28E-05	8.73E-07	7.55E-06	1.41E-05	9.05E-07	8.04E-06	1.49E-05	7.77E-07	6.87E-06	1.28E-05
2,165	1.09E-06	9.48E-06	1.77E-05	9.33E-07	8.30E-06	1.53E-05	6.02E-07	5.43E-06	1.01E-05	7.77E-07	6.85E-06	1.28E-05	8.73E-07	7.54E-06	1.41E-05	9.05E-07	8.03E-06	1.49E-05	7.77E-07	6.87E-06	1.28E-05
2,166	1.08E-06	9.48E-06	1.77E-05	9.33E-07	8.30E-06	1.53E-05	6.02E-07	5.43E-06	1.01E-05	7.76E-07	6.85E-06	1.28E-05	8.73E-07	7.54E-06	1.41E-05	9.04E-07	8.03E-06	1.49E-05	7.77E-07	6.86E-06	1.28E-05
2,167	1.08E-06	9.47E-06	1.77E-05	9.33E-07	8.30E-06	1.53E-05	6.01E-07	5.43E-06	1.01E-05	7.76E-07	6.85E-06	1.28E-05	8.72E-07	7.53E-06	1.41E-05	9.04E-07	8.03E-06	1.49E-05	7.77E-07	6.86E-06	1.28E-05
2,168	1.08E-06	9.47E-06	1.77E-05	9.32E-07	8.29E-06	1.53E-05	6.01E-07	5.43E-06	1.01E-05	7.76E-07	6.85E-06	1.28E-05	8.72E-07	7.53E-06	1.41E-05	9.04E-07	8.03E-06	1.49E-05	7.76E-07	6.86E-06	1.28E-05
2,169	1.08E-06	9.47E-06	1.77E-05	9.32E-07	8.28E-06	1.53E-05	6.01E-07	5.42E-06	1.01E-05	7.75E-07	6.85E-06	1.28E-05	8.72E-07	7.53E-06	1.41E-05	9.04E-07	8.02E-06	1.48E-05	7.76E-07	6.86E-06	1.28E-05
2,170	1.08E-06	9.47E-06	1.77E-05	9.31E-07	8.27E-06	1.53E-05	6.01E-07	5.42E-06	1.01E-05	7.75E-07	6.84E-06	1.28E-05	8.72E-07	7.53E-06	1.41E-05	9.04E-07	8.01E-06	1.48E-05	7.75E-07	6.85E-06	1.28E-05
2,171	1.08E-06	9.46E-06	1.76E-05	9.30E-07	8.27E-06	1.53E-05	6.01E-07	5.42E-06	1.01E-05	7.75E-07	6.84E-06	1.28E-05	8.71E-07	7.53E-06	1.41E-05	9.03E-07	8.01E-06	1.48E-05	7.74E-07	6.85E-06	1.28E-05
2,172	1.08E-06	9.46E-06	1.76E-05	9.30E-07	8.27E-06	1.53E-05	6.00E-07	5.42E-06	1.01E-05	7.75E-07	6.84E-06	1.28E-05	8.71E-07	7.52E-06	1.41E-05	9.03E-07	8.01E-06	1.48E-05	7.74E-07	6.85E-06	1.28E-05
2,173	1.08E-06	9.46E-06	1.76E-05	9.30E-07	8.27E-06	1.53E-05	6.00E-07	5.42E-06	1.01E-05	7.74E-07	6.84E-06	1.28E-05	8.71E-07	7.52E-06	1.41E-05	9.03E-07	8.01E-06	1.48E-05	7.74E-07	6.85E-06	1.28E-05
2,174	1.08E-06	9.46E-06	1.76E-05	9.30E-07	8.27E-06	1.53E-05	6.00E-07	5.42E-06	1.01E-05	7.74E-07	6.84E-06	1.28E-05	8.71E-07	7.52E-06	1.41E-05	9.03E-07	8.00E-06	1.48E-05	7.74E-07	6.85E-06	1.28E-05
2,175	1.08E-06	9.46E-06	1.76E-05	9.30E-07	8.26E-06	1.53E-05	6.00E-07	5.41E-06	1.01E-05	7.74E-07	6.84E-06	1.28E-05	8.70E-07	7.52E-06	1.41E-05	9.03E-07	8.00E-06	1.48E-05	7.74E-07	6.84E-06	1.27E-05
2,176	1.08E-06	9.46E-06	1.76E-05	9.29E-07	8.26E-06	1.53E-05	6.00E-07	5.41E-06	1.01E-05	7.74E-07	6.84E-06	1.28E-05	8.70E-07	7.52E-06	1.41E-05	9.03E-07	8.00E-06	1.48E-05	7.73E-07	6.84E-06	1.27E-05
2,177	1.08E-06	9.45E-06	1.76E-05	9.29E-07	8.26E-06	1.53E-05	6.00E-07	5.41E-06	1.01E-05	7.73E-07	6.83E-06	1.28E-05	8.69E-07	7.52E-06	1.41E-05	9.02E-07	7.99E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,178	1.08E-06	9.45E-06	1.76E-05	9.29E-07	8.26E-06	1.53E-05	5.99E-07	5.41E-06	1.01E-05	7.73E-07	6.83E-06	1.28E-05	8.69E-07	7.51E-06	1.41E-05	9.02E-07	7.98E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,179	1.08E-06	9.44E-06	1.76E-05	9.29E-07	8.26E-06	1.52E-05	5.98E-07	5.40E-06	1.01E-05	7.73E-07	6.83E-06	1.28E-05	8.69E-07	7.51E-06	1.41E-05	9.02E-07	7.98E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,180	1.08E-06	9.44E-06	1.76E-05	9.28E-07	8.25E-06	1.52E-05	5.97E-07	5.40E-06	1.01E-05	7.72E-07	6.83E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.01E-07	7.97E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,181	1.08E-06	9.44E-06	1.76E-05	9.28E-07	8.25E-06	1.52E-05	5.97E-07	5.40E-06	1.01E-05	7.72E-07	6.83E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.01E-07	7.97E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,182	1.08E-06	9.44E-06	1.76E-05	9.28E-07	8.25E-06	1.52E-05	5.97E-07	5.40E-06	1.01E-05	7.72E-07	6.82E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.00E-07	7.97E-06	1.48E-05	7.73E-07	6.83E-06	1.27E-05
2,183	1.08E-06	9.44E-06	1.76E-05	9.26E-07	8.25E-06	1.52E-05	5.97E-07	5.40E-06	1.01E-05	7.72E-07	6.82E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.00E-07	7.96E-06	1.48E-05	7.72E-07	6.82E-06	1.27E-05
2,184	1.08E-06	9.44E-06	1.76E-05	9.26E-07	8.25E-06	1.52E-05	5.96E-07	5.39E-06	1.01E-05	7.71E-07	6.82E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.00E-07	7.96E-06	1.48E-05	7.72E-07	6.82E-06	1.27E-05
2,185	1.08E-06	9.44E-06	1.76E-05	9.26E-07	8.25E-06	1.52E-05	5.96E-07	5.39E-06	1.01E-05	7.71E-07	6.81E-06	1.28E-05	8.68E-07	7.50E-06	1.40E-05	9.00E-07	7.95E-06	1.48E-05	7.72E-07	6.82E-06	1.27E-05
2,186	1.08E-06	9.44E-06	1.76E-05	9.26E-07	8.25E-06	1.52E-05	5.96E-07	5.39E-06	1.01E-05	7.71E-07	6.81E-06	1.28E-05	8.67E-07	7.49E-06	1.40E-05	8.99E-07	7.95E-06	1.48E-05	7.71E-07	6.82E-06	1.27E-05
2,187	1.08E-06	9.43E-06	1.76E-05	9.26E-07	8.25E-06	1.52E-05	5.95E-07	5.39E-06	1.01E-05	7.70E-07	6.81E-06	1.28E-05	8.67E-07	7.49E-06	1.40E-05	8.99E-07	7.95E-06	1.48E-05	7.71E-07	6.81E-06	1.27E-05
2,188	1.08E-06	9.43E-06	1.76E-05	9.26E-07	8.24E-06	1.52E-05	5.95E-07	5.39E-06	1.01E-05	7.70E-07	6.80E-06	1.28E-05	8.67E-07	7.49E-06	1.40E-05	8.99E-07	7.95E-06	1.48E-05	7.71E-07	6.81E-06	1.27E-05
2,189	1.08E-06	9.43E-06	1.76E-05	9.26E-07	8.24E-06	1.52E-05	5.95E-07	5.38E-06	1.01E-05	7.70E-07	6.80E-06	1.28E-05	8.67E-07	7.48E-06	1.40E-05	8.99E-07	7.94E-06	1.48E-05	7.70E-07	6.80E-06	1.27E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,210	1.06E-06	9.36E-06	1.74E-05	9.19E-07	8.20E-06	1.51E-05	5.91E-07	5.34E-06	9.98E-06	7.65E-07	6.73E-06	1.27E-05	8.58E-07	7.42E-06	1.39E-05	8.95E-07	7.89E-06	1.46E-05	7.65E-07	6.75E-06	1.26E-05
2,211	1.06E-06	9.35E-06	1.74E-05	9.19E-07	8.20E-06	1.51E-05	5.91E-07	5.34E-06	9.98E-06	7.65E-07	6.73E-06	1.27E-05	8.58E-07	7.42E-06	1.39E-05	8.95E-07	7.89E-06	1.46E-05	7.65E-07	6.75E-06	1.26E-05
2,212	1.06E-06	9.35E-06	1.74E-05	9.18E-07	8.19E-06	1.51E-05	5.91E-07	5.33E-06	9.97E-06	7.64E-07	6.73E-06	1.27E-05	8.58E-07	7.42E-06	1.39E-05	8.95E-07	7.89E-06	1.46E-05	7.65E-07	6.75E-06	1.25E-05
2,213	1.06E-06	9.35E-06	1.74E-05	9.18E-07	8.19E-06	1.51E-05	5.91E-07	5.33E-06	9.97E-06	7.64E-07	6.73E-06	1.27E-05	8.57E-07	7.41E-06	1.39E-05	8.94E-07	7.88E-06	1.46E-05	7.64E-07	6.74E-06	1.25E-05
2,214	1.06E-06	9.35E-06	1.73E-05	9.18E-07	8.19E-06	1.51E-05	5.90E-07	5.33E-06	9.97E-06	7.64E-07	6.72E-06	1.27E-05	8.57E-07	7.41E-06	1.39E-05	8.93E-07	7.88E-06	1.46E-05	7.64E-07	6.74E-06	1.25E-05
2,215	1.06E-06	9.35E-06	1.73E-05	9.17E-07	8.18E-06	1.51E-05	5.90E-07	5.33E-06	9.95E-06	7.64E-07	6.72E-06	1.27E-05	8.57E-07	7.40E-06	1.39E-05	8.92E-07	7.88E-06	1.46E-05	7.63E-07	6.74E-06	1.25E-05
2,216	1.06E-06	9.35E-06	1.73E-05	9.17E-07	8.18E-06	1.51E-05	5.90E-07	5.33E-06	9.95E-06	7.63E-07	6.72E-06	1.27E-05	8.56E-07	7.40E-06	1.39E-05	8.92E-07	7.87E-06	1.46E-05	7.63E-07	6.74E-06	1.25E-05
2,217	1.06E-06	9.34E-06	1.73E-05	9.16E-07	8.18E-06	1.51E-05	5.90E-07	5.32E-06	9.94E-06	7.62E-07	6.72E-06	1.27E-05	8.56E-07	7.40E-06	1.39E-05	8.92E-07	7.87E-06	1.46E-05	7.63E-07	6.73E-06	1.25E-05
2,218	1.06E-06	9.33E-06	1.73E-05	9.16E-07	8.18E-06	1.51E-05	5.90E-07	5.32E-06	9.94E-06	7.62E-07	6.72E-06	1.27E-05	8.56E-07	7.38E-06	1.39E-05	8.92E-07	7.87E-06	1.46E-05	7.63E-07	6.73E-06	1.25E-05
2,219	1.06E-06	9.32E-06	1.73E-05	9.16E-07	8.17E-06	1.51E-05	5.90E-07	5.32E-06	9.94E-06	7.62E-07	6.72E-06	1.27E-05	8.56E-07	7.38E-06	1.39E-05	8.92E-07	7.86E-06	1.46E-05	7.62E-07	6.73E-06	1.25E-05
2,220	1.06E-06	9.31E-06	1.73E-05	9.15E-07	8.17E-06	1.51E-05	5.90E-07	5.32E-06	9.94E-06	7.62E-07	6.71E-06	1.26E-05	8.55E-07	7.38E-06	1.39E-05	8.91E-07	7.86E-06	1.46E-05	7.61E-07	6.72E-06	1.25E-05
2,221	1.06E-06	9.31E-06	1.73E-05	9.15E-07	8.17E-06	1.50E-05	5.90E-07	5.31E-06	9.94E-06	7.62E-07	6.71E-06	1.26E-05	8.55E-07	7.37E-06	1.39E-05	8.90E-07	7.86E-06	1.46E-05	7.60E-07	6.72E-06	1.25E-05
2,222	1.06E-06	9.31E-06	1.73E-05	9.14E-07	8.17E-06	1.50E-05	5.89E-07	5.31E-06	9.93E-06	7.61E-07	6.70E-06	1.26E-05	8.55E-07	7.37E-06	1.39E-05	8.90E-07	7.85E-06	1.46E-05	7.60E-07	6.72E-06	1.25E-05
2,223	1.06E-06	9.31E-06	1.73E-05	9.14E-07	8.17E-06	1.50E-05	5.89E-07	5.31E-06	9.92E-06	7.60E-07	6.70E-06	1.26E-05	8.55E-07	7.37E-06	1.39E-05	8.90E-07	7.84E-06	1.46E-05	7.60E-07	6.72E-06	1.25E-05
2,224	1.06E-06	9.31E-06	1.73E-05	9.14E-07	8.16E-06	1.50E-05	5.89E-07	5.31E-06	9.91E-06	7.60E-07	6.69E-06	1.26E-05	8.55E-07	7.37E-06	1.39E-05	8.90E-07	7.84E-06	1.46E-05	7.60E-07	6.71E-06	1.25E-05
2,225	1.06E-06	9.31E-06	1.73E-05	9.14E-07	8.16E-06	1.50E-05	5.89E-07	5.31E-06	9.91E-06	7.60E-07	6.69E-06	1.26E-05	8.54E-07	7.37E-06	1.39E-05	8.90E-07	7.84E-06	1.46E-05	7.58E-07	6.71E-06	1.25E-05
2,226	1.06E-06	9.30E-06	1.73E-05	9.14E-07	8.16E-06	1.50E-05	5.88E-07	5.31E-06	9.91E-06	7.59E-07	6.69E-06	1.26E-05	8.54E-07	7.37E-06	1.38E-05	8.89E-07	7.83E-06	1.46E-05	7.58E-07	6.71E-06	1.25E-05
2,227	1.06E-06	9.30E-06	1.73E-05	9.14E-07	8.15E-06	1.50E-05	5.88E-07	5.30E-06	9.91E-06	7.59E-07	6.69E-06	1.26E-05	8.54E-07	7.36E-06	1.38E-05	8.89E-07	7.83E-06	1.46E-05	7.58E-07	6.70E-06	1.24E-05
2,228	1.06E-06	9.30E-06	1.73E-05	9.14E-07	8.15E-06	1.50E-05	5.88E-07	5.30E-06	9.90E-06	7.59E-07	6.68E-06	1.26E-05	8.54E-07	7.36E-06	1.38E-05	8.89E-07	7.83E-06	1.46E-05	7.58E-07	6.70E-06	1.24E-05
2,229	1.06E-06	9.28E-06	1.72E-05	9.14E-07	8.15E-06	1.50E-05	5.88E-07	5.30E-06	9.89E-06	7.59E-07	6.68E-06	1.26E-05	8.53E-07	7.36E-06	1.38E-05	8.88E-07	7.83E-06	1.46E-05	7.58E-07	6.70E-06	1.24E-05
2,230	1.06E-06	9.28E-06	1.72E-05	9.13E-07	8.14E-06	1.50E-05	5.88E-07	5.30E-06	9.89E-06	7.59E-07	6.68E-06	1.26E-05	8.53E-07	7.36E-06	1.38E-05	8.88E-07	7.83E-06	1.46E-05	7.57E-07	6.70E-06	1.24E-05
2,231	1.06E-06	9.28E-06	1.72E-05	9.13E-07	8.14E-06	1.50E-05	5.87E-07	5.29E-06	9.89E-06	7.59E-07	6.68E-06	1.26E-05	8.53E-07	7.35E-06	1.38E-05	8.88E-07	7.82E-06	1.45E-05	7.57E-07	6.70E-06	1.24E-05
2,232	1.05E-06	9.27E-06	1.72E-05	9.12E-07	8.14E-06	1.50E-05	5.87E-07	5.29E-06	9.88E-06	7.58E-07	6.67E-06	1.26E-05	8.53E-07	7.35E-06	1.38E-05	8.88E-07	7.82E-06	1.45E-05	7.57E-07	6.70E-06	1.24E-05
2,233	1.05E-06	9.27E-06	1.72E-05	9.12E-07	8.14E-06	1.50E-05	5.87E-07	5.29E-06	9.87E-06	7.58E-07	6.67E-06	1.26E-05	8.51E-07	7.34E-06	1.38E-05	8.87E-07	7.82E-06	1.45E-05	7.57E-07	6.69E-06	1.24E-05
2,234	1.05E-06	9.26E-06	1.72E-05	9.12E-07	8.13E-06	1.50E-05	5.87E-07	5.28E-06	9.87E-06	7.57E-07	6.67E-06	1.26E-05	8.51E-07	7.34E-06	1.38E-05	8.87E-07	7.81E-06	1.45E-05	7.57E-07	6.69E-06	1.24E-05
2,235	1.05E-06	9.26E-06	1.72E-05	9.12E-07	8.13E-06	1.50E-05	5.87E-07	5.28E-06	9.86E-06	7.56E-07	6.67E-06	1.26E-05	8.51E-07	7.33E-06	1.38E-05	8.87E-07	7.81E-06	1.45E-05	7.56E-07	6.69E-06	1.24E-05
2,236	1.05E-06	9.25E-06	1.72E-05	9.11E-07	8.12E-06	1.50E-05	5.87E-07	5.28E-06	9.86E-06	7.56E-07	6.67E-06	1.26E-05	8.50E-07	7.33E-06	1.38E-05	8.85E-07	7.80E-06	1.45E-05	7.56E-07	6.69E-06	1.24E-05
2,237	1.05E-06	9.25E-06	1.72E-05	9.11E-07	8.12E-06	1.50E-05	5.87E-07	5.28E-06	9.86E-06	7.56E-07	6.66E-06	1.26E-05	8.49E-07	7.33E-06	1.38E-05	8.85E-07	7.79E-06	1.45E-05	7.55E-07	6.69E-06	1.24E-05
2,238	1.05E-06	9.25E-06	1.72E-05	9.11E-07	8.12E-06	1.49E-05	5.86E-07	5.28E-06	9.86E-06	7.56E-07	6.66E-06	1.26E-05	8.49E-07	7.33E-06	1.38E-05	8.85E-07	7.79E-06	1.45E-05	7.55E-07	6.69E-06	1.24E-05
2,239	1.05E-06	9.25E-06	1.72E-05	9.11E-07	8.11E-06	1.49E-05	5.86E-07	5.28E-06	9.86E-06	7.56E-07	6.66E-06	1.26E-05	8.48E-07	7.33E-06	1.38E-05	8.84E-07	7.79E-06	1.45E-05	7.55E-07	6.68E-06	1.24E-05
2,240	1.05E-06	9.24E-06	1.72E-05	9.09E-07	8.11E-06	1.49E-05	5.86E-07	5.27E-06	9.86E-06	7.55E-07	6.66E-06	1.26E-05	8.48E-07	7.33E-06	1.38E-05	8.84E-07	7.79E-06	1.45E-05	7.55E-07	6.68E-06	1.24E-05
2,241	1.05E-06	9.24E-06	1.72E-05	9.09E-07	8.11E-06	1.49E-05	5.85E-07	5.27E-06	9.86E-06	7.55E-07	6.66E-06	1.26E-05	8.47E-07	7.32E-06	1.38E-05	8.84E-07	7.79E-06	1.45E-05	7.55E-07	6.68E-06	1.24E-05
2,242	1.05E-06	9.21E-06	1.72E-05	9.09E-07	8.10E-06	1.49E-05	5.85E-07	5.27E-06	9.86E-06	7.55E-07	6.66E-06	1.26E-05	8.47E-07	7.32E-06	1.38E-05	8.84E-07	7.78E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,243	1.05E-06	9.21E-06	1.72E-05	9.08E-07	8.10E-06	1.49E-05	5.85E-07	5.26E-06	9.85E-06	7.54E-07	6.65E-06	1.25E-05	8.47E-07	7.32E-06	1.38E-05	8.83E-07	7.78E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,244	1.05E-06	9.21E-06	1.72E-05	9.08E-07	8.09E-06	1.49E-05	5.85E-07	5.26E-06	9.85E-06	7.54E-07	6.65E-06	1.25E-05	8.47E-07	7.32E-06	1.38E-05	8.83E-07	7.78E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,245	1.05E-06	9.20E-06	1.72E-05	9.08E-07	8.09E-06	1.49E-05	5.85E-07	5.26E-06	9.85E-06	7.53E-07	6.65E-06	1.25E-05	8.47E-07	7.31E-06	1.38E-05	8.83E-07	7.77E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,246	1.05E-06	9.20E-06	1.72E-05	9.08E-07	8.09E-06	1.49E-05	5.85E-07	5.26E-06	9.85E-06	7.53E-07	6.65E-06	1.25E-05	8.46E-07	7.31E-06	1.38E-05	8.82E-07	7.76E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,247	1.05E-06	9.19E-06	1.72E-05	9.07E-07	8.09E-06	1.49E-05	5.85E-07	5.26E-06	9.85E-06	7.53E-07	6.64E-06	1.25E-05	8.46E-07	7.31E-06	1.38E-05	8.82E-07	7.76E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,248	1.05E-06	9.18E-06	1.72E-05	9.07E-07	8.09E-06	1.49E-05	5.85E-07	5.26E-06	9.84E-06	7.52E-07	6.64E-06	1.25E-05	8.46E-07	7.30E-06	1.37E-05	8.82E-07	7.76E-06	1.45E-05	7.54E-07	6.67E-06	1.24E-05
2,249	1.05E-06	9.18E-06	1.71E-05	9.07E-07	8.08E-06	1.49E-05	5.85E-07	5.25E-06	9.82E-06	7.52E-07	6.64E-06	1.25E-05	8.45E-07	7.30E-06	1.37E-05	8.82E-07	7.76E-06	1.45E-05	7.54E-07	6.66E-06	1.23E-05
2,250	1.05E-06	9.18E-06	1.71E-05	9.07E-07	8.08E-06	1.49E-05	5.84E-07	5.25E-06	9.82E-06	7.51E-07	6.64E-06	1.25E-05	8.45E-07	7.30E-06	1.37E-05	8.81E-07	7.75E-06	1.45E-05	7.54E-07	6.65E-06	1.23E-05
2,251	1.05E-06	9.18E-06	1.71E-05	9.06E-07	8.08E-06	1.49E-05	5.84E-07	5.25E-06	9.82E-06	7.51E-07	6.63E-06	1.25E-05	8.44E-07	7.30E-06	1.37E-05	8.81E-07	7.75E-06	1.45E-05	7.53E-07	6.65E-06	1.23E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,272	1.04E-06	9.11E-06	1.70E-05	9.02E-07	8.02E-06	1.48E-05	5.78E-07	5.22E-06	9.73E-06	7.47E-07	6.58E-06	1.24E-05	8.38E-07	7.24E-06	1.36E-05	8.73E-07	7.67E-06	1.44E-05	7.48E-07	6.59E-06	1.22E-05
2,273	1.04E-06	9.10E-06	1.70E-05	9.01E-07	8.02E-06	1.48E-05	5.78E-07	5.21E-06	9.73E-06	7.46E-07	6.58E-06	1.24E-05	8.38E-07	7.24E-06	1.36E-05	8.73E-07	7.67E-06	1.43E-05	7.48E-07	6.59E-06	1.22E-05
2,274	1.04E-06	9.10E-06	1.70E-05	9.01E-07	8.01E-06	1.48E-05	5.77E-07	5.20E-06	9.73E-06	7.46E-07	6.58E-06	1.24E-05	8.38E-07	7.24E-06	1.36E-05	8.72E-07	7.66E-06	1.43E-05	7.47E-07	6.59E-06	1.22E-05
2,275	1.04E-06	9.09E-06	1.70E-05	9.01E-07	8.01E-06	1.48E-05	5.77E-07	5.20E-06	9.73E-06	7.46E-07	6.57E-06	1.24E-05	8.37E-07	7.24E-06	1.36E-05	8.71E-07	7.66E-06	1.43E-05	7.47E-07	6.58E-06	1.22E-05
2,276	1.04E-06	9.07E-06	1.70E-05	9.00E-07	8.01E-06	1.48E-05	5.77E-07	5.20E-06	9.73E-06	7.46E-07	6.57E-06	1.24E-05	8.37E-07	7.23E-06	1.36E-05	8.71E-07	7.65E-06	1.43E-05	7.47E-07	6.58E-06	1.22E-05
2,277	1.04E-06	9.07E-06	1.69E-05	9.00E-07	8.00E-06	1.48E-05	5.76E-07	5.19E-06	9.71E-06	7.46E-07	6.56E-06	1.23E-05	8.37E-07	7.23E-06	1.36E-05	8.70E-07	7.65E-06	1.43E-05	7.47E-07	6.58E-06	1.22E-05
2,278	1.04E-06	9.07E-06	1.69E-05	9.00E-07	8.00E-06	1.48E-05	5.76E-07	5.19E-06	9.71E-06	7.45E-07	6.56E-06	1.23E-05	8.37E-07	7.23E-06	1.36E-05	8.70E-07	7.65E-06	1.43E-05	7.46E-07	6.57E-06	1.22E-05
2,279	1.04E-06	9.06E-06	1.69E-05	9.00E-07	8.00E-06	1.48E-05	5.76E-07	5.19E-06	9.71E-06	7.45E-07	6.56E-06	1.23E-05	8.37E-07	7.23E-06	1.36E-05	8.70E-07	7.65E-06	1.43E-05	7.46E-07	6.57E-06	1.22E-05
2,280	1.04E-06	9.06E-06	1.69E-05	8.99E-07	8.00E-06	1.48E-05	5.75E-07	5.19E-06	9.70E-06	7.45E-07	6.55E-06	1.23E-05	8.37E-07	7.23E-06	1.36E-05	8.70E-07	7.65E-06	1.43E-05	7.46E-07	6.57E-06	1.22E-05
2,281	1.04E-06	9.06E-06	1.69E-05	8.99E-07	8.00E-06	1.48E-05	5.75E-07	5.18E-06	9.69E-06	7.45E-07	6.55E-06	1.23E-05	8.36E-07	7.23E-06	1.36E-05	8.70E-07	7.65E-06	1.43E-05	7.46E-07	6.57E-06	1.22E-05
2,282	1.04E-06	9.05E-06	1.69E-05	8.99E-07	7.99E-06	1.48E-05	5.75E-07	5.18E-06	9.69E-06	7.45E-07	6.54E-06	1.23E-05	8.36E-07	7.22E-06	1.36E-05	8.70E-07	7.64E-06	1.43E-05	7.46E-07	6.56E-06	1.22E-05
2,283	1.03E-06	9.05E-06	1.69E-05	8.98E-07	7.99E-06	1.48E-05	5.75E-07	5.18E-06	9.69E-06	7.44E-07	6.53E-06	1.23E-05	8.36E-07	7.22E-06	1.36E-05	8.70E-07	7.64E-06	1.43E-05	7.46E-07	6.55E-06	1.22E-05
2,284	1.03E-06	9.05E-06	1.69E-05	8.98E-07	7.98E-06	1.48E-05	5.75E-07	5.18E-06	9.69E-06	7.44E-07	6.53E-06	1.23E-05	8.35E-07	7.22E-06	1.36E-05	8.68E-07	7.63E-06	1.43E-05	7.46E-07	6.55E-06	1.22E-05
2,285	1.03E-06	9.04E-06	1.69E-05	8.98E-07	7.98E-06	1.48E-05	5.74E-07	5.18E-06	9.69E-06	7.43E-07	6.53E-06	1.23E-05	8.34E-07	7.22E-06	1.35E-05	8.68E-07	7.63E-06	1.43E-05	7.45E-07	6.55E-06	1.22E-05
2,286	1.03E-06	9.04E-06	1.69E-05	8.98E-07	7.98E-06	1.48E-05	5.74E-07	5.18E-06	9.69E-06	7.43E-07	6.53E-06	1.23E-05	8.34E-07	7.22E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.45E-07	6.55E-06	1.22E-05
2,287	1.03E-06	9.04E-06	1.69E-05	8.98E-07	7.97E-06	1.48E-05	5.74E-07	5.18E-06	9.68E-06	7.43E-07	6.53E-06	1.23E-05	8.34E-07	7.21E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.45E-07	6.55E-06	1.22E-05
2,288	1.03E-06	9.04E-06	1.69E-05	8.98E-07	7.97E-06	1.48E-05	5.74E-07	5.17E-06	9.67E-06	7.42E-07	6.52E-06	1.23E-05	8.34E-07	7.21E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.45E-07	6.54E-06	1.22E-05
2,289	1.03E-06	9.04E-06	1.69E-05	8.97E-07	7.97E-06	1.47E-05	5.74E-07	5.17E-06	9.66E-06	7.41E-07	6.52E-06	1.23E-05	8.34E-07	7.20E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.44E-07	6.54E-06	1.22E-05
2,290	1.03E-06	9.03E-06	1.69E-05	8.97E-07	7.97E-06	1.47E-05	5.74E-07	5.17E-06	9.66E-06	7.41E-07	6.52E-06	1.23E-05	8.34E-07	7.20E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.44E-07	6.54E-06	1.22E-05
2,291	1.03E-06	9.03E-06	1.69E-05	8.97E-07	7.97E-06	1.47E-05	5.74E-07	5.17E-06	9.66E-06	7.41E-07	6.52E-06	1.23E-05	8.34E-07	7.20E-06	1.35E-05	8.68E-07	7.62E-06	1.43E-05	7.44E-07	6.54E-06	1.22E-05
2,292	1.03E-06	9.03E-06	1.68E-05	8.97E-07	7.97E-06	1.47E-05	5.73E-07	5.17E-06	9.65E-06	7.41E-07	6.51E-06	1.23E-05	8.34E-07	7.20E-06	1.35E-05	8.67E-07	7.62E-06	1.43E-05	7.44E-07	6.54E-06	1.22E-05
2,293	1.03E-06	9.03E-06	1.68E-05	8.97E-07	7.96E-06	1.47E-05	5.73E-07	5.17E-06	9.65E-06	7.41E-07	6.51E-06	1.22E-05	8.33E-07	7.20E-06	1.35E-05	8.67E-07	7.61E-06	1.43E-05	7.44E-07	6.54E-06	1.21E-05
2,294	1.03E-06	9.02E-06	1.68E-05	8.97E-07	7.96E-06	1.47E-05	5.73E-07	5.17E-06	9.65E-06	7.41E-07	6.51E-06	1.22E-05	8.33E-07	7.20E-06	1.35E-05	8.67E-07	7.61E-06	1.42E-05	7.44E-07	6.54E-06	1.21E-05
2,295	1.03E-06	9.02E-06	1.68E-05	8.97E-07	7.95E-06	1.47E-05	5.73E-07	5.16E-06	9.65E-06	7.41E-07	6.51E-06	1.22E-05	8.33E-07	7.20E-06	1.35E-05	8.65E-07	7.60E-06	1.42E-05	7.43E-07	6.54E-06	1.21E-05
2,296	1.03E-06	9.02E-06	1.68E-05	8.97E-07	7.95E-06	1.47E-05	5.73E-07	5.16E-06	9.65E-06	7.41E-07	6.51E-06	1.22E-05	8.33E-07	7.19E-06	1.35E-05	8.64E-07	7.60E-06	1.42E-05	7.42E-07	6.54E-06	1.21E-05
2,297	1.03E-06	9.01E-06	1.68E-05	8.97E-07	7.95E-06	1.47E-05	5.72E-07	5.16E-06	9.65E-06	7.41E-07	6.51E-06	1.22E-05	8.32E-07	7.19E-06	1.35E-05	8.64E-07	7.60E-06	1.42E-05	7.42E-07	6.54E-06	1.21E-05
2,298	1.03E-06	9.01E-06	1.68E-05	8.96E-07	7.94E-06	1.47E-05	5.72E-07	5.15E-06	9.64E-06	7.40E-07	6.50E-06	1.22E-05	8.32E-07	7.19E-06	1.35E-05	8.64E-07	7.60E-06	1.42E-05	7.42E-07	6.53E-06	1.21E-05
2,299	1.03E-06	9.01E-06	1.68E-05	8.95E-07	7.94E-06	1.47E-05	5.72E-07	5.14E-06	9.64E-06	7.40E-07	6.50E-06	1.22E-05	8.32E-07	7.18E-06	1.35E-05	8.64E-07	7.60E-06	1.42E-05	7.41E-07	6.53E-06	1.21E-05
2,300	1.03E-06	9.01E-06	1.68E-05	8.95E-07	7.93E-06	1.47E-05	5.71E-07	5.14E-06	9.63E-06	7.40E-07	6.50E-06	1.22E-05	8.32E-07	7.18E-06	1.35E-05	8.64E-07	7.59E-06	1.42E-05	7.41E-07	6.53E-06	1.21E-05
2,301	1.03E-06	9.01E-06	1.68E-05	8.95E-07	7.93E-06	1.47E-05	5.71E-07	5.14E-06	9.63E-06	7.39E-07	6.48E-06	1.22E-05	8.32E-07	7.18E-06	1.35E-05	8.64E-07	7.59E-06	1.42E-05	7.41E-07	6.53E-06	1.21E-05
2,302	1.03E-06	9.00E-06	1.68E-05	8.95E-07	7.93E-06	1.47E-05	5.71E-07	5.14E-06	9.63E-06	7.39E-07	6.48E-06	1.22E-05	8.32E-07	7.18E-06	1.35E-05	8.64E-07	7.59E-06	1.42E-05	7.41E-07	6.53E-06	1.21E-05
2,303	1.03E-06	9.00E-06	1.68E-05	8.95E-07	7.93E-06	1.47E-05	5.71E-07	5.14E-06	9.62E-06	7.39E-07	6.47E-06	1.22E-05	8.31E-07	7.18E-06	1.35E-05	8.64E-07	7.59E-06	1.42E-05	7.41E-07	6.53E-06	1.21E-05
2,304	1.03E-06	9.00E-06	1.68E-05	8.95E-07	7.92E-06	1.47E-05	5.71E-07	5.14E-06	9.62E-06	7.39E-07	6.47E-06	1.22E-05	8.30E-07	7.17E-06	1.35E-05	8.63E-07	7.58E-06	1.42E-05	7.41E-07	6.52E-06	1.21E-05
2,305	1.03E-06	9.00E-06	1.68E-05	8.95E-07	7.91E-06	1.47E-05	5.70E-07	5.13E-06	9.62E-06	7.39E-07	6.47E-06	1.22E-05	8.30E-07	7.17E-06	1.35E-05	8.63E-07	7.58E-06	1.42E-05	7.40E-07	6.52E-06	1.21E-05
2,306	1.03E-06	8.99E-06	1.68E-05	8.95E-07	7.91E-06	1.47E-05	5.70E-07	5.13E-06	9.61E-06	7.38E-07	6.46E-06	1.22E-05	8.30E-07	7.17E-06	1.35E-05	8.63E-07	7.58E-06	1.42E-05	7.40E-07	6.52E-06	1.21E-05
2,307	1.03E-06	8.99E-06	1.68E-05	8.94E-07	7.91E-06	1.47E-05	5.69E-07	5.12E-06	9.61E-06	7.38E-07	6.46E-06	1.22E-05	8.30E-07	7.17E-06	1.35E-05	8.62E-07	7.58E-06	1.42E-05	7.40E-07	6.52E-06	1.21E-05
2,308	1.02E-06	8.99E-06	1.68E-05	8.94E-07	7.91E-06	1.46E-05	5.69E-07	5.12E-06	9.61E-06	7.38E-07	6.46E-06	1.22E-05	8.30E-07	7.17E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.40E-07	6.52E-06	1.21E-05
2,309	1.02E-06	8.99E-06	1.67E-05	8.93E-07	7.91E-06	1.46E-05	5.69E-07	5.12E-06	9.60E-06	7.38E-07	6.46E-06	1.22E-05	8.29E-07	7.17E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.39E-07	6.51E-06	1.21E-05
2,310	1.02E-06	8.98E-06	1.67E-05	8.93E-07	7.90E-06	1.46E-05	5.69E-07	5.12E-06	9.60E-06	7.37E-07	6.46E-06	1.22E-05	8.29E-07	7.16E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.39E-07	6.51E-06	1.21E-05
2,311	1.02E-06	8.98E-06	1.67E-05	8.92E-07	7.90E-06	1.46E-05	5.69E-07	5.12E-06	9.60E-06	7.37E-07	6.46E-06	1.22E-05	8.29E-07	7.16E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.39E-07	6.50E-06	1.21E-05
2,312	1.02E-06	8.98E-06	1.67E-05	8.92E-07	7.90E-06	1.46E-05	5.69E-07	5.12E-06	9.60E-06	7.37E-07	6.46E-06	1.22E-05	8.29E-07	7.16E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.38E-07	6.50E-06	1.21E-05
2,313	1.02E-06	8.97E-06	1.67E-05	8.91E-07	7.90E-06	1.46E-05	5.68E-07	5.12E-06	9.60E-06	7.36E-07	6.46E-06	1.22E-05	8.28E-07	7.15E-06	1.35E-05	8.62E-07	7.57E-06	1.42E-05	7.38E-07	6.50E-06	1.21E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,334	1.02E-06	8.90E-06	1.66E-05	8.87E-07	7.81E-06	1.45E-05	5.65E-07	5.09E-06	9.52E-06	7.29E-07	6.41E-06	1.21E-05	8.22E-07	7.08E-06	1.34E-05	8.56E-07	7.49E-06	1.41E-05	7.33E-07	6.46E-06	1.20E-05
2,335	1.02E-06	8.90E-06	1.66E-05	8.86E-07	7.80E-06	1.45E-05	5.64E-07	5.08E-06	9.52E-06	7.29E-07	6.41E-06	1.21E-05	8.22E-07	7.07E-06	1.34E-05	8.55E-07	7.49E-06	1.41E-05	7.32E-07	6.45E-06	1.20E-05
2,336	1.02E-06	8.90E-06	1.66E-05	8.86E-07	7.78E-06	1.45E-05	5.64E-07	5.08E-06	9.52E-06	7.29E-07	6.40E-06	1.21E-05	8.22E-07	7.07E-06	1.34E-05	8.55E-07	7.48E-06	1.41E-05	7.32E-07	6.45E-06	1.20E-05
2,337	1.02E-06	8.90E-06	1.66E-05	8.85E-07	7.78E-06	1.45E-05	5.64E-07	5.07E-06	9.51E-06	7.28E-07	6.40E-06	1.21E-05	8.22E-07	7.07E-06	1.34E-05	8.55E-07	7.48E-06	1.41E-05	7.30E-07	6.45E-06	1.20E-05
2,338	1.02E-06	8.90E-06	1.66E-05	8.85E-07	7.77E-06	1.45E-05	5.64E-07	5.07E-06	9.51E-06	7.28E-07	6.40E-06	1.21E-05	8.21E-07	7.06E-06	1.34E-05	8.55E-07	7.48E-06	1.41E-05	7.30E-07	6.45E-06	1.20E-05
2,339	1.01E-06	8.90E-06	1.66E-05	8.84E-07	7.77E-06	1.45E-05	5.64E-07	5.07E-06	9.51E-06	7.28E-07	6.40E-06	1.21E-05	8.21E-07	7.06E-06	1.33E-05	8.54E-07	7.47E-06	1.41E-05	7.30E-07	6.44E-06	1.20E-05
2,340	1.01E-06	8.90E-06	1.66E-05	8.84E-07	7.77E-06	1.45E-05	5.64E-07	5.07E-06	9.51E-06	7.27E-07	6.40E-06	1.21E-05	8.21E-07	7.06E-06	1.33E-05	8.54E-07	7.47E-06	1.41E-05	7.30E-07	6.44E-06	1.20E-05
2,341	1.01E-06	8.90E-06	1.65E-05	8.83E-07	7.77E-06	1.45E-05	5.64E-07	5.06E-06	9.51E-06	7.26E-07	6.40E-06	1.21E-05	8.20E-07	7.06E-06	1.33E-05	8.54E-07	7.47E-06	1.41E-05	7.30E-07	6.44E-06	1.20E-05
2,342	1.01E-06	8.89E-06	1.65E-05	8.83E-07	7.77E-06	1.45E-05	5.63E-07	5.06E-06	9.50E-06	7.26E-07	6.39E-06	1.20E-05	8.20E-07	7.05E-06	1.33E-05	8.54E-07	7.46E-06	1.41E-05	7.29E-07	6.44E-06	1.20E-05
2,343	1.01E-06	8.89E-06	1.65E-05	8.82E-07	7.76E-06	1.45E-05	5.63E-07	5.06E-06	9.50E-06	7.26E-07	6.39E-06	1.20E-05	8.20E-07	7.05E-06	1.33E-05	8.54E-07	7.46E-06	1.41E-05	7.29E-07	6.44E-06	1.20E-05
2,344	1.01E-06	8.89E-06	1.65E-05	8.82E-07	7.76E-06	1.45E-05	5.63E-07	5.06E-06	9.50E-06	7.26E-07	6.39E-06	1.20E-05	8.19E-07	7.05E-06	1.33E-05	8.54E-07	7.46E-06	1.41E-05	7.29E-07	6.43E-06	1.20E-05
2,345	1.01E-06	8.88E-06	1.65E-05	8.82E-07	7.76E-06	1.45E-05	5.63E-07	5.06E-06	9.50E-06	7.26E-07	6.39E-06	1.20E-05	8.19E-07	7.05E-06	1.33E-05	8.53E-07	7.45E-06	1.41E-05	7.29E-07	6.42E-06	1.20E-05
2,346	1.01E-06	8.86E-06	1.65E-05	8.82E-07	7.76E-06	1.45E-05	5.63E-07	5.06E-06	9.50E-06	7.25E-07	6.38E-06	1.20E-05	8.19E-07	7.05E-06	1.33E-05	8.53E-07	7.45E-06	1.40E-05	7.29E-07	6.42E-06	1.20E-05
2,347	1.01E-06	8.86E-06	1.65E-05	8.82E-07	7.76E-06	1.45E-05	5.63E-07	5.05E-06	9.48E-06	7.25E-07	6.38E-06	1.20E-05	8.19E-07	7.04E-06	1.33E-05	8.52E-07	7.45E-06	1.40E-05	7.29E-07	6.42E-06	1.20E-05
2,348	1.01E-06	8.85E-06	1.65E-05	8.81E-07	7.75E-06	1.45E-05	5.63E-07	5.05E-06	9.48E-06	7.25E-07	6.38E-06	1.20E-05	8.18E-07	7.04E-06	1.33E-05	8.52E-07	7.45E-06	1.40E-05	7.28E-07	6.42E-06	1.19E-05
2,349	1.01E-06	8.85E-06	1.65E-05	8.81E-07	7.75E-06	1.44E-05	5.63E-07	5.05E-06	9.48E-06	7.25E-07	6.38E-06	1.20E-05	8.18E-07	7.04E-06	1.33E-05	8.52E-07	7.45E-06	1.40E-05	7.27E-07	6.41E-06	1.19E-05
2,350	1.01E-06	8.85E-06	1.65E-05	8.81E-07	7.75E-06	1.44E-05	5.63E-07	5.05E-06	9.48E-06	7.24E-07	6.38E-06	1.20E-05	8.18E-07	7.03E-06	1.33E-05	8.52E-07	7.45E-06	1.40E-05	7.27E-07	6.41E-06	1.19E-05
2,351	1.01E-06	8.85E-06	1.65E-05	8.80E-07	7.75E-06	1.44E-05	5.62E-07	5.05E-06	9.47E-06	7.24E-07	6.38E-06	1.20E-05	8.17E-07	7.03E-06	1.33E-05	8.52E-07	7.44E-06	1.40E-05	7.27E-07	6.40E-06	1.19E-05
2,352	1.01E-06	8.84E-06	1.65E-05	8.80E-07	7.74E-06	1.44E-05	5.62E-07	5.05E-06	9.47E-06	7.24E-07	6.38E-06	1.20E-05	8.17E-07	7.03E-06	1.33E-05	8.51E-07	7.44E-06	1.40E-05	7.26E-07	6.40E-06	1.19E-05
2,353	1.01E-06	8.84E-06	1.65E-05	8.79E-07	7.74E-06	1.44E-05	5.61E-07	5.04E-06	9.46E-06	7.23E-07	6.38E-06	1.20E-05	8.17E-07	7.03E-06	1.33E-05	8.51E-07	7.44E-06	1.40E-05	7.26E-07	6.40E-06	1.19E-05
2,354	1.01E-06	8.84E-06	1.65E-05	8.78E-07	7.74E-06	1.44E-05	5.61E-07	5.04E-06	9.46E-06	7.23E-07	6.37E-06	1.20E-05	8.17E-07	7.02E-06	1.33E-05	8.49E-07	7.44E-06	1.40E-05	7.25E-07	6.40E-06	1.19E-05
2,355	1.01E-06	8.83E-06	1.65E-05	8.78E-07	7.73E-06	1.44E-05	5.61E-07	5.04E-06	9.46E-06	7.23E-07	6.37E-06	1.20E-05	8.16E-07	7.02E-06	1.33E-05	8.48E-07	7.44E-06	1.40E-05	7.25E-07	6.40E-06	1.19E-05
2,356	1.01E-06	8.83E-06	1.65E-05	8.77E-07	7.73E-06	1.44E-05	5.61E-07	5.04E-06	9.45E-06	7.22E-07	6.36E-06	1.20E-05	8.16E-07	7.02E-06	1.33E-05	8.48E-07	7.44E-06	1.40E-05	7.25E-07	6.40E-06	1.19E-05
2,357	1.01E-06	8.83E-06	1.65E-05	8.77E-07	7.73E-06	1.44E-05	5.61E-07	5.04E-06	9.45E-06	7.22E-07	6.36E-06	1.20E-05	8.16E-07	7.02E-06	1.32E-05	8.48E-07	7.44E-06	1.40E-05	7.25E-07	6.40E-06	1.19E-05
2,358	1.01E-06	8.82E-06	1.65E-05	8.77E-07	7.73E-06	1.44E-05	5.60E-07	5.04E-06	9.45E-06	7.22E-07	6.36E-06	1.20E-05	8.16E-07	7.02E-06	1.32E-05	8.48E-07	7.43E-06	1.40E-05	7.24E-07	6.39E-06	1.19E-05
2,359	1.01E-06	8.82E-06	1.64E-05	8.77E-07	7.72E-06	1.44E-05	5.60E-07	5.04E-06	9.44E-06	7.22E-07	6.36E-06	1.20E-05	8.15E-07	7.02E-06	1.32E-05	8.48E-07	7.43E-06	1.40E-05	7.24E-07	6.39E-06	1.19E-05
2,360	1.01E-06	8.82E-06	1.64E-05	8.76E-07	7.71E-06	1.44E-05	5.59E-07	5.04E-06	9.44E-06	7.22E-07	6.36E-06	1.20E-05	8.15E-07	7.01E-06	1.32E-05	8.48E-07	7.43E-06	1.40E-05	7.24E-07	6.39E-06	1.19E-05
2,361	1.01E-06	8.82E-06	1.64E-05	8.76E-07	7.70E-06	1.44E-05	5.59E-07	5.04E-06	9.44E-06	7.21E-07	6.35E-06	1.20E-05	8.15E-07	7.01E-06	1.32E-05	8.47E-07	7.43E-06	1.40E-05	7.23E-07	6.38E-06	1.19E-05
2,362	1.01E-06	8.81E-06	1.64E-05	8.76E-07	7.70E-06	1.44E-05	5.59E-07	5.03E-06	9.44E-06	7.20E-07	6.35E-06	1.20E-05	8.15E-07	7.00E-06	1.32E-05	8.47E-07	7.42E-06	1.40E-05	7.23E-07	6.38E-06	1.19E-05
2,363	1.00E-06	8.80E-06	1.64E-05	8.75E-07	7.70E-06	1.44E-05	5.59E-07	5.03E-06	9.43E-06	7.20E-07	6.35E-06	1.20E-05	8.15E-07	7.00E-06	1.32E-05	8.46E-07	7.41E-06	1.40E-05	7.23E-07	6.37E-06	1.19E-05
2,364	1.00E-06	8.80E-06	1.64E-05	8.75E-07	7.70E-06	1.44E-05	5.59E-07	5.03E-06	9.43E-06	7.19E-07	6.35E-06	1.20E-05	8.15E-07	6.99E-06	1.32E-05	8.46E-07	7.41E-06	1.40E-05	7.23E-07	6.37E-06	1.19E-05
2,365	1.00E-06	8.80E-06	1.64E-05	8.75E-07	7.70E-06	1.44E-05	5.59E-07	5.03E-06	9.42E-06	7.19E-07	6.35E-06	1.19E-05	8.14E-07	6.99E-06	1.32E-05	8.45E-07	7.41E-06	1.40E-05	7.22E-07	6.37E-06	1.19E-05
2,366	1.00E-06	8.80E-06	1.64E-05	8.75E-07	7.70E-06	1.43E-05	5.59E-07	5.03E-06	9.41E-06	7.19E-07	6.34E-06	1.19E-05	8.14E-07	6.99E-06	1.32E-05	8.45E-07	7.41E-06	1.40E-05	7.22E-07	6.37E-06	1.19E-05
2,367	1.00E-06	8.80E-06	1.64E-05	8.74E-07	7.70E-06	1.43E-05	5.59E-07	5.03E-06	9.41E-06	7.18E-07	6.34E-06	1.19E-05	8.14E-07	6.98E-06	1.32E-05	8.45E-07	7.40E-06	1.39E-05	7.22E-07	6.37E-06	1.19E-05
2,368	1.00E-06	8.79E-06	1.64E-05	8.74E-07	7.70E-06	1.43E-05	5.59E-07	5.03E-06	9.40E-06	7.18E-07	6.34E-06	1.19E-05	8.14E-07	6.98E-06	1.32E-05	8.45E-07	7.40E-06	1.39E-05	7.22E-07	6.37E-06	1.19E-05
2,369	1.00E-06	8.79E-06	1.64E-05	8.74E-07	7.70E-06	1.43E-05	5.58E-07	5.03E-06	9.40E-06	7.18E-07	6.34E-06	1.19E-05	8.13E-07	6.98E-06	1.32E-05	8.45E-07	7.39E-06	1.39E-05	7.21E-07	6.37E-06	1.19E-05
2,370	1.00E-06	8.79E-06	1.64E-05	8.74E-07	7.70E-06	1.43E-05	5.58E-07	5.03E-06	9.39E-06	7.17E-07	6.33E-06	1.19E-05	8.13E-07	6.98E-06	1.32E-05	8.45E-07	7.38E-06	1.39E-05	7.21E-07	6.37E-06	1.19E-05
2,371	1.00E-06	8.78E-06	1.64E-05	8.74E-07	7.69E-06	1.43E-05	5.58E-07	5.02E-06	9.39E-06	7.17E-07	6.33E-06	1.19E-05	8.13E-07	6.98E-06	1.32E-05	8.44E-07	7.38E-06	1.39E-05	7.21E-07	6.37E-06	1.19E-05
2,372	1.00E-06	8.78E-06	1.64E-05	8.74E-07	7.69E-06	1.43E-05	5.58E-07	5.02E-06	9.39E-06	7.17E-07	6.32E-06	1.19E-05	8.13E-07	6.98E-06	1.31E-05	8.44E-07	7.38E-06	1.39E-05	7.20E-07	6.37E-06	1.19E-05
2,373	1.00E-06	8.77E-06	1.64E-05	8.73E-07	7.69E-06	1.43E-05	5.58E-07	5.02E-06	9.39E-06	7.17E-07	6.32E-06	1.19E-05	8.13E-07	6.98E-06	1.31E-05	8.44E-07	7.37E-06	1.39E-05	7.20E-07	6.36E-06	1.18E-05
2,374	9.99E-07	8.77E-06	1.64E-05	8.73E-07	7.69E-06	1.43E-05	5.58E-07	5.02E-06	9.38E-06	7.17E-07	6.32E-06	1.19E-05	8.13E-07	6.97E-06	1.31E-05	8.44E-07	7.37E-06	1.39E-05	7.20E-07	6.36E-06	1.18E-05
2,375	9.99E-07	8.77E-06	1.64E-05	8.73E-07	7.69E-06	1.43E-05	5.58E-07	5.02E-06	9.36E-06	7.17E-07	6.32E-06	1.19E-05	8.13E-07	6.97E-06	1.31E-05	8.44E-07	7.37E-06	1.39E-05	7.20E-07	6.35E-06	1.18E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,396	9.95E-07	8.71E-06	1.62E-05	8.67E-07	7.63E-06	1.42E-05	5.54E-07	4.99E-06	9.31E-06	7.12E-07	6.28E-06	1.18E-05	8.06E-07	6.91E-06	1.30E-05	8.38E-07	7.31E-06	1.38E-05	7.15E-07	6.29E-06	1.18E-05
2,397	9.95E-07	8.71E-06	1.62E-05	8.67E-07	7.63E-06	1.42E-05	5.54E-07	4.99E-06	9.31E-06	7.12E-07	6.28E-06	1.18E-05	8.05E-07	6.90E-06	1.30E-05	8.37E-07	7.30E-06	1.38E-05	7.14E-07	6.29E-06	1.18E-05
2,398	9.94E-07	8.71E-06	1.62E-05	8.67E-07	7.63E-06	1.42E-05	5.54E-07	4.98E-06	9.31E-06	7.11E-07	6.28E-06	1.18E-05	8.04E-07	6.90E-06	1.30E-05	8.37E-07	7.30E-06	1.38E-05	7.14E-07	6.28E-06	1.18E-05
2,399	9.94E-07	8.71E-06	1.62E-05	8.66E-07	7.63E-06	1.42E-05	5.54E-07	4.98E-06	9.31E-06	7.10E-07	6.28E-06	1.18E-05	8.04E-07	6.90E-06	1.30E-05	8.36E-07	7.30E-06	1.38E-05	7.14E-07	6.28E-06	1.18E-05
2,400	9.93E-07	8.71E-06	1.62E-05	8.66E-07	7.62E-06	1.42E-05	5.53E-07	4.98E-06	9.30E-06	7.10E-07	6.28E-06	1.18E-05	8.04E-07	6.90E-06	1.30E-05	8.35E-07	7.30E-06	1.38E-05	7.14E-07	6.28E-06	1.18E-05
2,401	9.92E-07	8.70E-06	1.62E-05	8.66E-07	7.62E-06	1.42E-05	5.53E-07	4.98E-06	9.30E-06	7.10E-07	6.27E-06	1.18E-05	8.04E-07	6.90E-06	1.30E-05	8.35E-07	7.30E-06	1.38E-05	7.13E-07	6.27E-06	1.18E-05
2,402	9.92E-07	8.70E-06	1.62E-05	8.66E-07	7.62E-06	1.42E-05	5.53E-07	4.98E-06	9.30E-06	7.10E-07	6.27E-06	1.18E-05	8.03E-07	6.89E-06	1.30E-05	8.34E-07	7.30E-06	1.38E-05	7.13E-07	6.27E-06	1.18E-05
2,403	9.92E-07	8.70E-06	1.62E-05	8.66E-07	7.61E-06	1.42E-05	5.53E-07	4.97E-06	9.29E-06	7.10E-07	6.27E-06	1.18E-05	8.03E-07	6.89E-06	1.30E-05	8.34E-07	7.29E-06	1.38E-05	7.13E-07	6.26E-06	1.18E-05
2,404	9.91E-07	8.70E-06	1.62E-05	8.66E-07	7.61E-06	1.42E-05	5.53E-07	4.97E-06	9.29E-06	7.10E-07	6.27E-06	1.18E-05	8.03E-07	6.89E-06	1.30E-05	8.34E-07	7.29E-06	1.38E-05	7.12E-07	6.26E-06	1.18E-05
2,405	9.91E-07	8.70E-06	1.62E-05	8.65E-07	7.60E-06	1.42E-05	5.52E-07	4.97E-06	9.28E-06	7.10E-07	6.27E-06	1.18E-05	8.02E-07	6.89E-06	1.30E-05	8.34E-07	7.28E-06	1.38E-05	7.12E-07	6.26E-06	1.17E-05
2,406	9.90E-07	8.70E-06	1.62E-05	8.65E-07	7.60E-06	1.42E-05	5.52E-07	4.96E-06	9.28E-06	7.10E-07	6.26E-06	1.18E-05	8.02E-07	6.89E-06	1.30E-05	8.33E-07	7.28E-06	1.38E-05	7.12E-07	6.26E-06	1.17E-05
2,407	9.90E-07	8.68E-06	1.62E-05	8.64E-07	7.60E-06	1.41E-05	5.52E-07	4.96E-06	9.28E-06	7.10E-07	6.26E-06	1.18E-05	8.02E-07	6.89E-06	1.30E-05	8.33E-07	7.28E-06	1.38E-05	7.12E-07	6.26E-06	1.17E-05
2,408	9.89E-07	8.68E-06	1.62E-05	8.64E-07	7.59E-06	1.41E-05	5.52E-07	4.96E-06	9.27E-06	7.09E-07	6.26E-06	1.18E-05	8.01E-07	6.89E-06	1.30E-05	8.32E-07	7.28E-06	1.38E-05	7.12E-07	6.25E-06	1.17E-05
2,409	9.89E-07	8.68E-06	1.62E-05	8.64E-07	7.59E-06	1.41E-05	5.52E-07	4.96E-06	9.27E-06	7.09E-07	6.26E-06	1.18E-05	8.01E-07	6.89E-06	1.30E-05	8.32E-07	7.28E-06	1.38E-05	7.12E-07	6.25E-06	1.17E-05
2,410	9.89E-07	8.68E-06	1.62E-05	8.64E-07	7.59E-06	1.41E-05	5.51E-07	4.96E-06	9.27E-06	7.08E-07	6.26E-06	1.18E-05	8.01E-07	6.88E-06	1.30E-05	8.31E-07	7.28E-06	1.38E-05	7.12E-07	6.25E-06	1.17E-05
2,411	9.89E-07	8.68E-06	1.62E-05	8.64E-07	7.59E-06	1.41E-05	5.51E-07	4.95E-06	9.26E-06	7.08E-07	6.25E-06	1.18E-05	8.01E-07	6.88E-06	1.30E-05	8.31E-07	7.28E-06	1.37E-05	7.12E-07	6.24E-06	1.17E-05
2,412	9.89E-07	8.68E-06	1.61E-05	8.64E-07	7.59E-06	1.41E-05	5.51E-07	4.95E-06	9.26E-06	7.08E-07	6.25E-06	1.18E-05	8.00E-07	6.88E-06	1.30E-05	8.31E-07	7.28E-06	1.37E-05	7.11E-07	6.24E-06	1.17E-05
2,413	9.88E-07	8.68E-06	1.61E-05	8.63E-07	7.59E-06	1.41E-05	5.51E-07	4.95E-06	9.26E-06	7.07E-07	6.24E-06	1.18E-05	8.00E-07	6.88E-06	1.30E-05	8.30E-07	7.28E-06	1.37E-05	7.11E-07	6.24E-06	1.17E-05
2,414	9.87E-07	8.67E-06	1.61E-05	8.63E-07	7.59E-06	1.41E-05	5.51E-07	4.95E-06	9.26E-06	7.07E-07	6.23E-06	1.17E-05	8.00E-07	6.88E-06	1.30E-05	8.30E-07	7.27E-06	1.37E-05	7.10E-07	6.24E-06	1.17E-05
2,415	9.87E-07	8.67E-06	1.61E-05	8.63E-07	7.58E-06	1.41E-05	5.51E-07	4.95E-06	9.25E-06	7.06E-07	6.23E-06	1.17E-05	8.00E-07	6.88E-06	1.30E-05	8.30E-07	7.27E-06	1.37E-05	7.10E-07	6.22E-06	1.17E-05
2,416	9.87E-07	8.67E-06	1.61E-05	8.63E-07	7.58E-06	1.41E-05	5.51E-07	4.95E-06	9.25E-06	7.06E-07	6.23E-06	1.17E-05	7.99E-07	6.87E-06	1.30E-05	8.30E-07	7.27E-06	1.37E-05	7.10E-07	6.22E-06	1.17E-05
2,417	9.87E-07	8.67E-06	1.61E-05	8.62E-07	7.57E-06	1.41E-05	5.51E-07	4.95E-06	9.25E-06	7.06E-07	6.23E-06	1.17E-05	7.99E-07	6.87E-06	1.29E-05	8.30E-07	7.27E-06	1.37E-05	7.10E-07	6.22E-06	1.17E-05
2,418	9.86E-07	8.66E-06	1.61E-05	8.62E-07	7.57E-06	1.41E-05	5.51E-07	4.95E-06	9.25E-06	7.05E-07	6.23E-06	1.17E-05	7.99E-07	6.86E-06	1.29E-05	8.30E-07	7.26E-06	1.37E-05	7.09E-07	6.21E-06	1.17E-05
2,419	9.86E-07	8.66E-06	1.61E-05	8.62E-07	7.57E-06	1.41E-05	5.50E-07	4.94E-06	9.24E-06	7.04E-07	6.22E-06	1.17E-05	7.98E-07	6.86E-06	1.29E-05	8.30E-07	7.26E-06	1.37E-05	7.09E-07	6.21E-06	1.17E-05
2,420	9.86E-07	8.66E-06	1.61E-05	8.61E-07	7.57E-06	1.41E-05	5.50E-07	4.94E-06	9.24E-06	7.04E-07	6.22E-06	1.17E-05	7.98E-07	6.86E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.09E-07	6.21E-06	1.17E-05
2,421	9.85E-07	8.66E-06	1.61E-05	8.61E-07	7.57E-06	1.41E-05	5.49E-07	4.94E-06	9.23E-06	7.04E-07	6.22E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.09E-07	6.21E-06	1.17E-05
2,422	9.84E-07	8.65E-06	1.61E-05	8.61E-07	7.56E-06	1.41E-05	5.49E-07	4.94E-06	9.23E-06	7.03E-07	6.21E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.08E-07	6.21E-06	1.17E-05
2,423	9.84E-07	8.64E-06	1.61E-05	8.61E-07	7.56E-06	1.41E-05	5.49E-07	4.94E-06	9.23E-06	7.03E-07	6.21E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.08E-07	6.20E-06	1.17E-05
2,424	9.84E-07	8.64E-06	1.61E-05	8.60E-07	7.56E-06	1.41E-05	5.49E-07	4.94E-06	9.23E-06	7.03E-07	6.21E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.07E-07	6.20E-06	1.17E-05
2,425	9.83E-07	8.64E-06	1.61E-05	8.60E-07	7.56E-06	1.41E-05	5.48E-07	4.94E-06	9.21E-06	7.02E-07	6.20E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.29E-07	7.25E-06	1.37E-05	7.07E-07	6.20E-06	1.17E-05
2,426	9.83E-07	8.63E-06	1.61E-05	8.59E-07	7.55E-06	1.41E-05	5.48E-07	4.93E-06	9.21E-06	7.02E-07	6.20E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.28E-07	7.24E-06	1.37E-05	7.07E-07	6.20E-06	1.17E-05
2,427	9.83E-07	8.63E-06	1.61E-05	8.59E-07	7.54E-06	1.41E-05	5.48E-07	4.93E-06	9.20E-06	7.01E-07	6.19E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.27E-07	7.24E-06	1.37E-05	7.07E-07	6.19E-06	1.17E-05
2,428	9.83E-07	8.63E-06	1.61E-05	8.59E-07	7.54E-06	1.40E-05	5.47E-07	4.93E-06	9.20E-06	7.01E-07	6.19E-06	1.17E-05	7.98E-07	6.85E-06	1.29E-05	8.27E-07	7.24E-06	1.37E-05	7.07E-07	6.19E-06	1.17E-05
2,429	9.82E-07	8.62E-06	1.61E-05	8.58E-07	7.54E-06	1.40E-05	5.47E-07	4.92E-06	9.20E-06	7.00E-07	6.19E-06	1.17E-05	7.97E-07	6.84E-06	1.29E-05	8.27E-07	7.24E-06	1.37E-05	7.07E-07	6.19E-06	1.17E-05
2,430	9.82E-07	8.62E-06	1.61E-05	8.58E-07	7.53E-06	1.40E-05	5.46E-07	4.91E-06	9.19E-06	7.00E-07	6.19E-06	1.17E-05	7.97E-07	6.84E-06	1.29E-05	8.27E-07	7.24E-06	1.37E-05	7.07E-07	6.19E-06	1.16E-05
2,431	9.82E-07	8.62E-06	1.61E-05	8.58E-07	7.53E-06	1.40E-05	5.46E-07	4.91E-06	9.18E-06	7.00E-07	6.19E-06	1.17E-05	7.97E-07	6.84E-06	1.29E-05	8.27E-07	7.24E-06	1.37E-05	7.06E-07	6.18E-06	1.16E-05
2,432	9.82E-07	8.62E-06	1.61E-05	8.58E-07	7.53E-06	1.40E-05	5.46E-07	4.91E-06	9.18E-06	7.00E-07	6.18E-06	1.17E-05	7.97E-07	6.84E-06	1.29E-05	8.27E-07	7.24E-06	1.36E-05	7.06E-07	6.18E-06	1.16E-05
2,433	9.81E-07	8.61E-06	1.60E-05	8.58E-07	7.53E-06	1.40E-05	5.45E-07	4.91E-06	9.18E-06	6.99E-07	6.18E-06	1.17E-05	7.97E-07	6.83E-06	1.29E-05	8.27E-07	7.24E-06	1.36E-05	7.06E-07	6.18E-06	1.16E-05
2,434	9.81E-07	8.61E-06	1.60E-05	8.58E-07	7.53E-06	1.40E-05	5.45E-07	4.91E-06	9.17E-06	6.98E-07	6.18E-06	1.17E-05	7.97E-07	6.83E-06	1.29E-05	8.26E-07	7.23E-06	1.36E-05	7.06E-07	6.18E-06	1.16E-05
2,435	9.80E-07	8.61E-06	1.60E-05	8.57E-07	7.53E-06	1.40E-05	5.45E-07	4.90E-06	9.17E-06	6.97E-07	6.18E-06	1.17E-05	7.96E-07	6.83E-06	1.29E-05	8.26E-07	7.23E-06	1.36E-05	7.05E-07	6.18E-06	1.16E-05
2,436	9.80E-07	8.60E-06	1.60E-05	8.57E-07	7.53E-06	1.40E-05	5.45E-07	4.90E-06	9.16E-06	6.97E-07	6.18E-06	1.17E-05	7.96E-07	6.83E-06	1.29E-05	8.26E-07	7.23E-06	1.36E-05	7.05E-07	6.18E-06	1.16E-05
2,437	9.80E-07	8.59E-06	1.60E-05	8.57E-07	7.52E-06	1.40E-05	5.45E-07	4.90E-06	9.16E-06	6.97E-07	6.18E-06	1.17E-05	7.96E-07	6.83E-06	1.29E-05	8.25E-07	7.22E-06	1.36E-05	7.05E-07	6.17E-06	1.16E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,458	9.74E-07	8.52E-06	1.59E-05	8.52E-07	7.47E-06	1.39E-05	5.40E-07	4.87E-06	9.09E-06	6.90E-07	6.12E-06	1.16E-05	7.89E-07	6.77E-06	1.28E-05	8.19E-07	7.19E-06	1.36E-05	7.00E-07	6.12E-06	1.16E-05
2,459	9.74E-07	8.52E-06	1.59E-05	8.52E-07	7.47E-06	1.39E-05	5.40E-07	4.87E-06	9.09E-06	6.90E-07	6.11E-06	1.16E-05	7.88E-07	6.76E-06	1.28E-05	8.19E-07	7.19E-06	1.36E-05	7.00E-07	6.11E-06	1.16E-05
2,460	9.73E-07	8.52E-06	1.59E-05	8.51E-07	7.47E-06	1.39E-05	5.40E-07	4.87E-06	9.09E-06	6.90E-07	6.11E-06	1.16E-05	7.88E-07	6.76E-06	1.28E-05	8.18E-07	7.19E-06	1.35E-05	6.99E-07	6.11E-06	1.16E-05
2,461	9.73E-07	8.52E-06	1.58E-05	8.51E-07	7.47E-06	1.39E-05	5.39E-07	4.87E-06	9.08E-06	6.90E-07	6.11E-06	1.16E-05	7.88E-07	6.76E-06	1.28E-05	8.18E-07	7.18E-06	1.35E-05	6.99E-07	6.11E-06	1.16E-05
2,462	9.73E-07	8.51E-06	1.58E-05	8.51E-07	7.46E-06	1.39E-05	5.39E-07	4.86E-06	9.08E-06	6.89E-07	6.10E-06	1.16E-05	7.88E-07	6.76E-06	1.28E-05	8.18E-07	7.18E-06	1.35E-05	6.99E-07	6.10E-06	1.16E-05
2,463	9.72E-07	8.51E-06	1.58E-05	8.51E-07	7.46E-06	1.39E-05	5.39E-07	4.86E-06	9.08E-06	6.89E-07	6.10E-06	1.16E-05	7.87E-07	6.75E-06	1.28E-05	8.18E-07	7.18E-06	1.35E-05	6.99E-07	6.10E-06	1.16E-05
2,464	9.72E-07	8.50E-06	1.58E-05	8.50E-07	7.46E-06	1.39E-05	5.39E-07	4.86E-06	9.08E-06	6.89E-07	6.10E-06	1.16E-05	7.87E-07	6.75E-06	1.28E-05	8.17E-07	7.18E-06	1.35E-05	6.99E-07	6.10E-06	1.15E-05
2,465	9.72E-07	8.49E-06	1.58E-05	8.50E-07	7.46E-06	1.39E-05	5.39E-07	4.86E-06	9.07E-06	6.89E-07	6.09E-06	1.16E-05	7.86E-07	6.75E-06	1.28E-05	8.17E-07	7.17E-06	1.35E-05	6.99E-07	6.10E-06	1.15E-05
2,466	9.72E-07	8.49E-06	1.58E-05	8.49E-07	7.45E-06	1.39E-05	5.39E-07	4.86E-06	9.07E-06	6.89E-07	6.09E-06	1.16E-05	7.86E-07	6.75E-06	1.28E-05	8.17E-07	7.17E-06	1.35E-05	6.99E-07	6.10E-06	1.15E-05
2,467	9.71E-07	8.49E-06	1.58E-05	8.49E-07	7.45E-06	1.39E-05	5.39E-07	4.86E-06	9.07E-06	6.89E-07	6.09E-06	1.16E-05	7.86E-07	6.74E-06	1.28E-05	8.17E-07	7.16E-06	1.35E-05	6.98E-07	6.09E-06	1.15E-05
2,468	9.71E-07	8.49E-06	1.58E-05	8.49E-07	7.45E-06	1.39E-05	5.38E-07	4.85E-06	9.06E-06	6.88E-07	6.09E-06	1.16E-05	7.86E-07	6.74E-06	1.28E-05	8.15E-07	7.16E-06	1.35E-05	6.98E-07	6.08E-06	1.15E-05
2,469	9.70E-07	8.48E-06	1.58E-05	8.49E-07	7.44E-06	1.39E-05	5.38E-07	4.85E-06	9.06E-06	6.88E-07	6.08E-06	1.16E-05	7.86E-07	6.74E-06	1.28E-05	8.15E-07	7.16E-06	1.35E-05	6.98E-07	6.08E-06	1.15E-05
2,470	9.70E-07	8.48E-06	1.58E-05	8.49E-07	7.43E-06	1.39E-05	5.38E-07	4.85E-06	9.06E-06	6.88E-07	6.08E-06	1.16E-05	7.86E-07	6.73E-06	1.28E-05	8.15E-07	7.16E-06	1.35E-05	6.97E-07	6.08E-06	1.15E-05
2,471	9.70E-07	8.47E-06	1.58E-05	8.48E-07	7.43E-06	1.39E-05	5.38E-07	4.85E-06	9.06E-06	6.87E-07	6.08E-06	1.16E-05	7.86E-07	6.73E-06	1.28E-05	8.15E-07	7.16E-06	1.35E-05	6.97E-07	6.08E-06	1.15E-05
2,472	9.69E-07	8.46E-06	1.58E-05	8.48E-07	7.43E-06	1.39E-05	5.38E-07	4.85E-06	9.05E-06	6.87E-07	6.08E-06	1.16E-05	7.86E-07	6.73E-06	1.28E-05	8.14E-07	7.16E-06	1.35E-05	6.97E-07	6.08E-06	1.15E-05
2,473	9.69E-07	8.46E-06	1.58E-05	8.48E-07	7.43E-06	1.39E-05	5.37E-07	4.85E-06	9.05E-06	6.87E-07	6.07E-06	1.16E-05	7.86E-07	6.72E-06	1.28E-05	8.14E-07	7.16E-06	1.35E-05	6.96E-07	6.08E-06	1.15E-05
2,474	9.69E-07	8.44E-06	1.58E-05	8.48E-07	7.42E-06	1.39E-05	5.37E-07	4.85E-06	9.05E-06	6.87E-07	6.07E-06	1.15E-05	7.86E-07	6.71E-06	1.28E-05	8.14E-07	7.15E-06	1.35E-05	6.96E-07	6.08E-06	1.15E-05
2,475	9.68E-07	8.43E-06	1.58E-05	8.47E-07	7.42E-06	1.39E-05	5.37E-07	4.85E-06	9.05E-06	6.86E-07	6.06E-06	1.15E-05	7.85E-07	6.71E-06	1.28E-05	8.14E-07	7.14E-06	1.35E-05	6.96E-07	6.07E-06	1.15E-05
2,476	9.68E-07	8.43E-06	1.58E-05	8.47E-07	7.42E-06	1.39E-05	5.37E-07	4.84E-06	9.05E-06	6.86E-07	6.06E-06	1.15E-05	7.85E-07	6.71E-06	1.28E-05	8.14E-07	7.14E-06	1.35E-05	6.95E-07	6.07E-06	1.15E-05
2,477	9.68E-07	8.43E-06	1.58E-05	8.47E-07	7.42E-06	1.38E-05	5.37E-07	4.84E-06	9.05E-06	6.85E-07	6.06E-06	1.15E-05	7.84E-07	6.71E-06	1.27E-05	8.14E-07	7.13E-06	1.35E-05	6.95E-07	6.06E-06	1.15E-05
2,478	9.67E-07	8.43E-06	1.58E-05	8.47E-07	7.41E-06	1.38E-05	5.37E-07	4.83E-06	9.04E-06	6.85E-07	6.05E-06	1.15E-05	7.84E-07	6.70E-06	1.27E-05	8.14E-07	7.13E-06	1.35E-05	6.93E-07	6.06E-06	1.15E-05
2,479	9.67E-07	8.43E-06	1.58E-05	8.47E-07	7.41E-06	1.38E-05	5.37E-07	4.83E-06	9.03E-06	6.85E-07	6.05E-06	1.15E-05	7.84E-07	6.70E-06	1.27E-05	8.14E-07	7.13E-06	1.35E-05	6.93E-07	6.06E-06	1.15E-05
2,480	9.67E-07	8.43E-06	1.58E-05	8.46E-07	7.41E-06	1.38E-05	5.36E-07	4.83E-06	9.03E-06	6.85E-07	6.05E-06	1.15E-05	7.84E-07	6.70E-06	1.27E-05	8.13E-07	7.13E-06	1.35E-05	6.93E-07	6.06E-06	1.15E-05
2,481	9.65E-07	8.42E-06	1.58E-05	8.46E-07	7.41E-06	1.38E-05	5.36E-07	4.83E-06	9.03E-06	6.85E-07	6.04E-06	1.15E-05	7.84E-07	6.69E-06	1.27E-05	8.12E-07	7.12E-06	1.35E-05	6.93E-07	6.05E-06	1.15E-05
2,482	9.65E-07	8.42E-06	1.58E-05	8.45E-07	7.41E-06	1.38E-05	5.36E-07	4.83E-06	9.03E-06	6.85E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.12E-07	7.12E-06	1.34E-05	6.93E-07	6.05E-06	1.15E-05
2,483	9.65E-07	8.42E-06	1.57E-05	8.45E-07	7.41E-06	1.38E-05	5.36E-07	4.83E-06	9.03E-06	6.85E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.11E-07	7.12E-06	1.34E-05	6.93E-07	6.05E-06	1.15E-05
2,484	9.65E-07	8.42E-06	1.57E-05	8.44E-07	7.40E-06	1.38E-05	5.36E-07	4.83E-06	9.02E-06	6.85E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.11E-07	7.12E-06	1.34E-05	6.92E-07	6.05E-06	1.15E-05
2,485	9.65E-07	8.41E-06	1.57E-05	8.44E-07	7.40E-06	1.38E-05	5.35E-07	4.82E-06	9.02E-06	6.85E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.11E-07	7.11E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,486	9.64E-07	8.41E-06	1.57E-05	8.44E-07	7.40E-06	1.38E-05	5.35E-07	4.82E-06	9.02E-06	6.84E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.11E-07	7.11E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,487	9.63E-07	8.41E-06	1.57E-05	8.43E-07	7.39E-06	1.38E-05	5.35E-07	4.82E-06	9.01E-06	6.84E-07	6.04E-06	1.15E-05	7.83E-07	6.69E-06	1.27E-05	8.11E-07	7.11E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,488	9.63E-07	8.41E-06	1.57E-05	8.43E-07	7.39E-06	1.38E-05	5.34E-07	4.82E-06	9.01E-06	6.84E-07	6.04E-06	1.15E-05	7.82E-07	6.68E-06	1.27E-05	8.11E-07	7.11E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,489	9.63E-07	8.40E-06	1.57E-05	8.43E-07	7.39E-06	1.38E-05	5.34E-07	4.82E-06	9.01E-06	6.84E-07	6.03E-06	1.15E-05	7.82E-07	6.68E-06	1.27E-05	8.11E-07	7.10E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,490	9.62E-07	8.39E-06	1.57E-05	8.42E-07	7.38E-06	1.38E-05	5.34E-07	4.81E-06	9.01E-06	6.84E-07	6.03E-06	1.15E-05	7.82E-07	6.68E-06	1.27E-05	8.11E-07	7.10E-06	1.34E-05	6.92E-07	6.04E-06	1.15E-05
2,491	9.62E-07	8.39E-06	1.57E-05	8.42E-07	7.37E-06	1.38E-05	5.34E-07	4.81E-06	9.00E-06	6.83E-07	6.03E-06	1.15E-05	7.82E-07	6.68E-06	1.27E-05	8.11E-07	7.10E-06	1.34E-05	6.91E-07	6.04E-06	1.15E-05
2,492	9.62E-07	8.39E-06	1.57E-05	8.42E-07	7.37E-06	1.38E-05	5.33E-07	4.81E-06	9.00E-06	6.83E-07	6.03E-06	1.15E-05	7.82E-07	6.67E-06	1.27E-05	8.10E-07	7.10E-06	1.34E-05	6.91E-07	6.04E-06	1.14E-05
2,493	9.62E-07	8.38E-06	1.57E-05	8.42E-07	7.37E-06	1.38E-05	5.33E-07	4.81E-06	9.00E-06	6.83E-07	6.03E-06	1.15E-05	7.82E-07	6.66E-06	1.27E-05	8.09E-07	7.10E-06	1.34E-05	6.91E-07	6.04E-06	1.14E-05
2,494	9.62E-07	8.38E-06	1.57E-05	8.41E-07	7.37E-06	1.38E-05	5.33E-07	4.81E-06	9.00E-06	6.82E-07	6.03E-06	1.15E-05	7.82E-07	6.66E-06	1.27E-05	8.09E-07	7.10E-06	1.34E-05	6.91E-07	6.03E-06	1.14E-05
2,495	9.61E-07	8.38E-06	1.57E-05	8.41E-07	7.37E-06	1.38E-05	5.32E-07	4.81E-06	8.99E-06	6.82E-07	6.02E-06	1.15E-05	7.81E-07	6.65E-06	1.27E-05	8.09E-07	7.10E-06	1.34E-05	6.91E-07	6.03E-06	1.14E-05
2,496	9.61E-07	8.38E-06	1.57E-05	8.41E-07	7.37E-06	1.38E-05	5.32E-07	4.81E-06	8.98E-06	6.82E-07	6.02E-06	1.15E-05	7.81E-07	6.65E-06	1.27E-05	8.08E-07	7.09E-06	1.34E-05	6.90E-07	6.03E-06	1.14E-05
2,497	9.61E-07	8.38E-06	1.57E-05	8.41E-07	7.36E-06	1.38E-05	5.32E-07	4.80E-06	8.98E-06	6.82E-07	6.01E-06	1.15E-05	7.80E-07	6.65E-06	1.27E-05	8.08E-07	7.09E-06	1.34E-05	6.90E-07	6.03E-06	1.14E-05
2,498	9.60E-07	8.38E-06	1.57E-05	8.41E-07	7.35E-06	1.38E-05	5.31E-07	4.80E-06	8.98E-06	6.82E-07	6.01E-06	1.15E-05	7.80E-07	6.65E-06	1.27E-05	8.08E-07	7.09E-06	1.34E-05	6.90E-07	6.03E-06	1.14E-05
2,499	9.59E-07	8.37E-06	1.57E-05	8.40E-07	7.35E-06	1.38E-05	5.31E-07	4.80E-06	8.98E-06	6.81E-07	6.01E-06	1.14E-05	7.80E-07	6.65E-06	1.27E-05	8.08E-07	7.08E-06	1.34E-05	6.90E-07	6.03E-06	1.14E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,520	9.54E-07	8.31E-06	1.56E-05	8.34E-07	7.29E-06	1.37E-05	5.27E-07	4.77E-06	8.92E-06	6.77E-07	5.97E-06	1.14E-05	7.76E-07	6.62E-06	1.25E-05	8.02E-07	7.02E-06	1.33E-05	6.86E-07	5.98E-06	1.13E-05
2,521	9.54E-07	8.31E-06	1.55E-05	8.34E-07	7.28E-06	1.37E-05	5.27E-07	4.76E-06	8.91E-06	6.77E-07	5.97E-06	1.14E-05	7.76E-07	6.62E-06	1.25E-05	8.02E-07	7.02E-06	1.33E-05	6.86E-07	5.98E-06	1.13E-05
2,522	9.54E-07	8.30E-06	1.55E-05	8.34E-07	7.27E-06	1.37E-05	5.27E-07	4.76E-06	8.91E-06	6.77E-07	5.97E-06	1.14E-05	7.76E-07	6.62E-06	1.25E-05	8.02E-07	7.02E-06	1.33E-05	6.85E-07	5.98E-06	1.13E-05
2,523	9.53E-07	8.30E-06	1.55E-05	8.34E-07	7.27E-06	1.37E-05	5.27E-07	4.76E-06	8.91E-06	6.77E-07	5.96E-06	1.14E-05	7.76E-07	6.61E-06	1.25E-05	8.02E-07	7.02E-06	1.33E-05	6.85E-07	5.98E-06	1.13E-05
2,524	9.53E-07	8.30E-06	1.55E-05	8.34E-07	7.27E-06	1.37E-05	5.27E-07	4.76E-06	8.91E-06	6.77E-07	5.96E-06	1.14E-05	7.75E-07	6.61E-06	1.25E-05	8.02E-07	7.01E-06	1.33E-05	6.85E-07	5.98E-06	1.13E-05
2,525	9.53E-07	8.29E-06	1.55E-05	8.33E-07	7.27E-06	1.37E-05	5.26E-07	4.76E-06	8.91E-06	6.77E-07	5.96E-06	1.14E-05	7.75E-07	6.61E-06	1.25E-05	8.01E-07	7.01E-06	1.33E-05	6.84E-07	5.97E-06	1.13E-05
2,526	9.53E-07	8.29E-06	1.55E-05	8.33E-07	7.26E-06	1.37E-05	5.26E-07	4.76E-06	8.91E-06	6.77E-07	5.95E-06	1.14E-05	7.75E-07	6.61E-06	1.25E-05	8.01E-07	7.01E-06	1.33E-05	6.84E-07	5.97E-06	1.13E-05
2,527	9.53E-07	8.29E-06	1.55E-05	8.33E-07	7.26E-06	1.36E-05	5.26E-07	4.76E-06	8.90E-06	6.76E-07	5.95E-06	1.13E-05	7.75E-07	6.60E-06	1.25E-05	8.00E-07	7.01E-06	1.33E-05	6.84E-07	5.97E-06	1.13E-05
2,528	9.53E-07	8.29E-06	1.55E-05	8.33E-07	7.26E-06	1.36E-05	5.26E-07	4.75E-06	8.89E-06	6.76E-07	5.95E-06	1.13E-05	7.75E-07	6.60E-06	1.25E-05	8.00E-07	7.01E-06	1.33E-05	6.84E-07	5.97E-06	1.13E-05
2,529	9.53E-07	8.29E-06	1.55E-05	8.33E-07	7.25E-06	1.36E-05	5.26E-07	4.75E-06	8.88E-06	6.76E-07	5.95E-06	1.13E-05	7.75E-07	6.60E-06	1.25E-05	8.00E-07	7.00E-06	1.33E-05	6.84E-07	5.96E-06	1.13E-05
2,530	9.52E-07	8.29E-06	1.55E-05	8.33E-07	7.25E-06	1.36E-05	5.25E-07	4.75E-06	8.88E-06	6.76E-07	5.95E-06	1.13E-05	7.75E-07	6.60E-06	1.25E-05	8.00E-07	7.00E-06	1.33E-05	6.84E-07	5.96E-06	1.13E-05
2,531	9.52E-07	8.28E-06	1.55E-05	8.32E-07	7.25E-06	1.36E-05	5.24E-07	4.74E-06	8.88E-06	6.76E-07	5.95E-06	1.13E-05	7.74E-07	6.60E-06	1.25E-05	8.00E-07	7.00E-06	1.32E-05	6.83E-07	5.96E-06	1.13E-05
2,532	9.51E-07	8.28E-06	1.55E-05	8.32E-07	7.25E-06	1.36E-05	5.24E-07	4.74E-06	8.88E-06	6.75E-07	5.95E-06	1.13E-05	7.74E-07	6.59E-06	1.25E-05	7.99E-07	7.00E-06	1.32E-05	6.83E-07	5.95E-06	1.13E-05
2,533	9.51E-07	8.27E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.24E-07	4.74E-06	8.88E-06	6.75E-07	5.94E-06	1.13E-05	7.73E-07	6.59E-06	1.25E-05	7.99E-07	7.00E-06	1.32E-05	6.83E-07	5.95E-06	1.13E-05
2,534	9.51E-07	8.27E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.24E-07	4.74E-06	8.87E-06	6.75E-07	5.94E-06	1.13E-05	7.73E-07	6.59E-06	1.25E-05	7.99E-07	7.00E-06	1.32E-05	6.83E-07	5.95E-06	1.13E-05
2,535	9.50E-07	8.27E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.24E-07	4.74E-06	8.87E-06	6.75E-07	5.94E-06	1.13E-05	7.73E-07	6.59E-06	1.25E-05	7.99E-07	6.99E-06	1.32E-05	6.83E-07	5.95E-06	1.13E-05
2,536	9.50E-07	8.26E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.23E-07	4.74E-06	8.87E-06	6.74E-07	5.94E-06	1.13E-05	7.73E-07	6.59E-06	1.24E-05	7.99E-07	6.99E-06	1.32E-05	6.82E-07	5.94E-06	1.13E-05
2,537	9.49E-07	8.26E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.23E-07	4.74E-06	8.87E-06	6.74E-07	5.94E-06	1.13E-05	7.72E-07	6.59E-06	1.24E-05	7.98E-07	6.99E-06	1.32E-05	6.82E-07	5.94E-06	1.13E-05
2,538	9.49E-07	8.26E-06	1.55E-05	8.31E-07	7.24E-06	1.36E-05	5.23E-07	4.73E-06	8.85E-06	6.74E-07	5.93E-06	1.13E-05	7.71E-07	6.57E-06	1.24E-05	7.98E-07	6.99E-06	1.32E-05	6.82E-07	5.93E-06	1.13E-05
2,539	9.49E-07	8.26E-06	1.55E-05	8.30E-07	7.23E-06	1.36E-05	5.23E-07	4.73E-06	8.85E-06	6.74E-07	5.93E-06	1.13E-05	7.71E-07	6.57E-06	1.24E-05	7.98E-07	6.99E-06	1.32E-05	6.81E-07	5.93E-06	1.13E-05
2,540	9.48E-07	8.26E-06	1.55E-05	8.30E-07	7.23E-06	1.36E-05	5.23E-07	4.73E-06	8.85E-06	6.74E-07	5.93E-06	1.13E-05	7.71E-07	6.57E-06	1.24E-05	7.98E-07	6.99E-06	1.32E-05	6.81E-07	5.93E-06	1.13E-05
2,541	9.48E-07	8.25E-06	1.55E-05	8.30E-07	7.23E-06	1.36E-05	5.23E-07	4.73E-06	8.85E-06	6.74E-07	5.93E-06	1.13E-05	7.71E-07	6.57E-06	1.24E-05	7.97E-07	6.98E-06	1.32E-05	6.81E-07	5.93E-06	1.12E-05
2,542	9.47E-07	8.25E-06	1.54E-05	8.29E-07	7.23E-06	1.36E-05	5.23E-07	4.72E-06	8.85E-06	6.74E-07	5.93E-06	1.13E-05	7.70E-07	6.57E-06	1.24E-05	7.97E-07	6.98E-06	1.32E-05	6.80E-07	5.93E-06	1.12E-05
2,543	9.46E-07	8.24E-06	1.54E-05	8.29E-07	7.23E-06	1.36E-05	5.23E-07	4.72E-06	8.84E-06	6.73E-07	5.93E-06	1.13E-05	7.70E-07	6.57E-06	1.24E-05	7.97E-07	6.97E-06	1.32E-05	6.80E-07	5.92E-06	1.12E-05
2,544	9.46E-07	8.24E-06	1.54E-05	8.28E-07	7.22E-06	1.36E-05	5.23E-07	4.72E-06	8.84E-06	6.73E-07	5.93E-06	1.13E-05	7.70E-07	6.57E-06	1.24E-05	7.97E-07	6.97E-06	1.32E-05	6.80E-07	5.92E-06	1.12E-05
2,545	9.46E-07	8.24E-06	1.54E-05	8.28E-07	7.22E-06	1.36E-05	5.22E-07	4.72E-06	8.83E-06	6.73E-07	5.93E-06	1.13E-05	7.70E-07	6.56E-06	1.24E-05	7.97E-07	6.97E-06	1.32E-05	6.79E-07	5.91E-06	1.12E-05
2,546	9.46E-07	8.24E-06	1.54E-05	8.28E-07	7.22E-06	1.35E-05	5.22E-07	4.72E-06	8.82E-06	6.73E-07	5.92E-06	1.13E-05	7.69E-07	6.56E-06	1.24E-05	7.97E-07	6.96E-06	1.32E-05	6.79E-07	5.90E-06	1.12E-05
2,547	9.46E-07	8.23E-06	1.54E-05	8.28E-07	7.22E-06	1.35E-05	5.22E-07	4.72E-06	8.82E-06	6.73E-07	5.92E-06	1.13E-05	7.69E-07	6.56E-06	1.24E-05	7.96E-07	6.96E-06	1.32E-05	6.79E-07	5.90E-06	1.12E-05
2,548	9.45E-07	8.23E-06	1.54E-05	8.27E-07	7.22E-06	1.35E-05	5.22E-07	4.72E-06	8.82E-06	6.72E-07	5.92E-06	1.13E-05	7.69E-07	6.55E-06	1.24E-05	7.96E-07	6.96E-06	1.32E-05	6.79E-07	5.90E-06	1.12E-05
2,549	9.45E-07	8.23E-06	1.54E-05	8.27E-07	7.21E-06	1.35E-05	5.22E-07	4.72E-06	8.82E-06	6.72E-07	5.92E-06	1.13E-05	7.68E-07	6.55E-06	1.24E-05	7.96E-07	6.96E-06	1.32E-05	6.79E-07	5.89E-06	1.12E-05
2,550	9.45E-07	8.22E-06	1.54E-05	8.26E-07	7.21E-06	1.35E-05	5.22E-07	4.72E-06	8.81E-06	6.72E-07	5.92E-06	1.13E-05	7.68E-07	6.54E-06	1.24E-05	7.95E-07	6.96E-06	1.32E-05	6.79E-07	5.89E-06	1.12E-05
2,551	9.44E-07	8.22E-06	1.54E-05	8.26E-07	7.21E-06	1.35E-05	5.21E-07	4.71E-06	8.81E-06	6.72E-07	5.92E-06	1.13E-05	7.68E-07	6.54E-06	1.24E-05	7.94E-07	6.95E-06	1.32E-05	6.79E-07	5.89E-06	1.12E-05
2,552	9.44E-07	8.21E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.21E-07	4.71E-06	8.81E-06	6.72E-07	5.92E-06	1.13E-05	7.68E-07	6.54E-06	1.24E-05	7.94E-07	6.95E-06	1.32E-05	6.79E-07	5.89E-06	1.12E-05
2,553	9.44E-07	8.21E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.21E-07	4.71E-06	8.81E-06	6.72E-07	5.92E-06	1.13E-05	7.68E-07	6.54E-06	1.24E-05	7.94E-07	6.95E-06	1.32E-05	6.79E-07	5.88E-06	1.12E-05
2,554	9.44E-07	8.21E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.21E-07	4.71E-06	8.81E-06	6.71E-07	5.91E-06	1.13E-05	7.68E-07	6.54E-06	1.24E-05	7.93E-07	6.95E-06	1.32E-05	6.78E-07	5.88E-06	1.12E-05
2,555	9.43E-07	8.20E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.21E-07	4.70E-06	8.80E-06	6.71E-07	5.91E-06	1.13E-05	7.68E-07	6.53E-06	1.24E-05	7.93E-07	6.95E-06	1.32E-05	6.78E-07	5.88E-06	1.12E-05
2,556	9.43E-07	8.19E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.20E-07	4.70E-06	8.80E-06	6.71E-07	5.90E-06	1.12E-05	7.68E-07	6.53E-06	1.24E-05	7.93E-07	6.95E-06	1.32E-05	6.78E-07	5.88E-06	1.12E-05
2,557	9.43E-07	8.19E-06	1.54E-05	8.26E-07	7.20E-06	1.35E-05	5.20E-07	4.70E-06	8.79E-06	6.71E-07	5.90E-06	1.12E-05	7.68E-07	6.53E-06	1.24E-05	7.93E-07	6.94E-06	1.32E-05	6.78E-07	5.88E-06	1.12E-05
2,558	9.43E-07	8.19E-06	1.54E-05	8.25E-07	7.19E-06	1.35E-05	5.20E-07	4.70E-06	8.79E-06	6.71E-07	5.90E-06	1.12E-05	7.68E-07	6.53E-06	1.24E-05	7.93E-07	6.93E-06	1.31E-05	6.78E-07	5.87E-06	1.12E-05
2,559	9.42E-07	8.18E-06	1.54E-05	8.25E-07	7.19E-06	1.35E-05	5.20E-07	4.70E-06	8.79E-06	6.71E-07	5.90E-06	1.12E-05	7.67E-07	6.53E-06	1.24E-05	7.93E-07	6.93E-06	1.31E-05	6.78E-07	5.87E-06	1.12E-05
2,560	9.42E-07	8.18E-06	1.53E-05	8.25E-07	7.19E-06	1.35E-05	5.20E-07	4.70E-06	8.78E-06	6.70E-07	5.90E-06	1.12E-05	7.67E-07	6.53E-06	1.24E-05	7.93E-07	6.93E-06	1.31E-05	6.77E-07	5.87E-06	1.12E-05
2,561	9.42E-07	8.18E-06	1.53E-05	8.25E-07	7.18E-06	1.35E-05	5.20E-07	4.69E-06	8.78E-06	6.70E-07	5.90E-06	1.12E-05	7.67E-07	6.53E-06	1.24E-05	7.92E-07	6.93E-06	1.31E-05	6.76E-07	5.86E-06	1.12E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,582	9.36E-07	8.11E-06	1.52E-05	8.20E-07	7.14E-06	1.34E-05	5.16E-07	4.65E-06	8.71E-06	6.66E-07	5.86E-06	1.11E-05	7.64E-07	6.50E-06	1.22E-05	7.87E-07	6.88E-06	1.31E-05	6.72E-07	5.81E-06	1.11E-05
2,583	9.36E-07	8.11E-06	1.52E-05	8.20E-07	7.14E-06	1.34E-05	5.16E-07	4.65E-06	8.70E-06	6.66E-07	5.85E-06	1.11E-05	7.64E-07	6.50E-06	1.22E-05	7.87E-07	6.88E-06	1.31E-05	6.71E-07	5.81E-06	1.11E-05
2,584	9.36E-07	8.10E-06	1.52E-05	8.20E-07	7.13E-06	1.34E-05	5.16E-07	4.65E-06	8.70E-06	6.66E-07	5.85E-06	1.11E-05	7.64E-07	6.50E-06	1.22E-05	7.86E-07	6.87E-06	1.31E-05	6.71E-07	5.81E-06	1.11E-05
2,585	9.35E-07	8.10E-06	1.52E-05	8.20E-07	7.13E-06	1.34E-05	5.16E-07	4.64E-06	8.70E-06	6.66E-07	5.85E-06	1.11E-05	7.64E-07	6.50E-06	1.22E-05	7.86E-07	6.87E-06	1.31E-05	6.70E-07	5.81E-06	1.11E-05
2,586	9.35E-07	8.10E-06	1.52E-05	8.20E-07	7.13E-06	1.34E-05	5.16E-07	4.64E-06	8.70E-06	6.65E-07	5.85E-06	1.11E-05	7.63E-07	6.50E-06	1.22E-05	7.86E-07	6.87E-06	1.31E-05	6.70E-07	5.80E-06	1.11E-05
2,587	9.35E-07	8.09E-06	1.52E-05	8.19E-07	7.13E-06	1.34E-05	5.15E-07	4.64E-06	8.70E-06	6.65E-07	5.85E-06	1.11E-05	7.63E-07	6.50E-06	1.22E-05	7.85E-07	6.87E-06	1.31E-05	6.70E-07	5.80E-06	1.11E-05
2,588	9.35E-07	8.09E-06	1.52E-05	8.19E-07	7.12E-06	1.34E-05	5.15E-07	4.64E-06	8.70E-06	6.65E-07	5.85E-06	1.11E-05	7.63E-07	6.50E-06	1.22E-05	7.85E-07	6.87E-06	1.31E-05	6.70E-07	5.80E-06	1.11E-05
2,589	9.34E-07	8.09E-06	1.52E-05	8.18E-07	7.12E-06	1.34E-05	5.15E-07	4.63E-06	8.69E-06	6.65E-07	5.84E-06	1.11E-05	7.63E-07	6.49E-06	1.22E-05	7.85E-07	6.87E-06	1.31E-05	6.70E-07	5.80E-06	1.11E-05
2,590	9.34E-07	8.08E-06	1.52E-05	8.18E-07	7.12E-06	1.34E-05	5.15E-07	4.63E-06	8.69E-06	6.64E-07	5.84E-06	1.11E-05	7.63E-07	6.49E-06	1.22E-05	7.85E-07	6.86E-06	1.31E-05	6.70E-07	5.80E-06	1.11E-05
2,591	9.34E-07	8.08E-06	1.52E-05	8.18E-07	7.12E-06	1.34E-05	5.15E-07	4.63E-06	8.69E-06	6.64E-07	5.84E-06	1.11E-05	7.63E-07	6.49E-06	1.22E-05	7.84E-07	6.86E-06	1.30E-05	6.70E-07	5.79E-06	1.11E-05
2,592	9.33E-07	8.08E-06	1.52E-05	8.18E-07	7.12E-06	1.33E-05	5.15E-07	4.63E-06	8.69E-06	6.64E-07	5.84E-06	1.11E-05	7.63E-07	6.49E-06	1.22E-05	7.84E-07	6.86E-06	1.30E-05	6.69E-07	5.79E-06	1.11E-05
2,593	9.33E-07	8.08E-06	1.52E-05	8.18E-07	7.12E-06	1.33E-05	5.15E-07	4.63E-06	8.68E-06	6.64E-07	5.84E-06	1.10E-05	7.63E-07	6.49E-06	1.22E-05	7.84E-07	6.86E-06	1.30E-05	6.69E-07	5.79E-06	1.11E-05
2,594	9.33E-07	8.08E-06	1.52E-05	8.17E-07	7.12E-06	1.33E-05	5.14E-07	4.63E-06	8.67E-06	6.64E-07	5.84E-06	1.10E-05	7.62E-07	6.49E-06	1.22E-05	7.84E-07	6.86E-06	1.30E-05	6.69E-07	5.79E-06	1.11E-05
2,595	9.32E-07	8.07E-06	1.52E-05	8.17E-07	7.11E-06	1.33E-05	5.14E-07	4.63E-06	8.67E-06	6.64E-07	5.83E-06	1.10E-05	7.62E-07	6.49E-06	1.22E-05	7.84E-07	6.86E-06	1.30E-05	6.69E-07	5.79E-06	1.11E-05
2,596	9.32E-07	8.07E-06	1.52E-05	8.17E-07	7.11E-06	1.33E-05	5.14E-07	4.63E-06	8.67E-06	6.63E-07	5.83E-06	1.10E-05	7.62E-07	6.48E-06	1.22E-05	7.84E-07	6.85E-06	1.30E-05	6.69E-07	5.78E-06	1.11E-05
2,597	9.30E-07	8.07E-06	1.52E-05	8.17E-07	7.11E-06	1.33E-05	5.13E-07	4.62E-06	8.67E-06	6.63E-07	5.83E-06	1.10E-05	7.61E-07	6.48E-06	1.22E-05	7.83E-07	6.85E-06	1.30E-05	6.69E-07	5.78E-06	1.11E-05
2,598	9.30E-07	8.06E-06	1.52E-05	8.17E-07	7.11E-06	1.33E-05	5.13E-07	4.62E-06	8.67E-06	6.63E-07	5.83E-06	1.10E-05	7.61E-07	6.48E-06	1.22E-05	7.82E-07	6.85E-06	1.30E-05	6.68E-07	5.78E-06	1.11E-05
2,599	9.30E-07	8.06E-06	1.52E-05	8.16E-07	7.11E-06	1.33E-05	5.13E-07	4.62E-06	8.66E-06	6.63E-07	5.83E-06	1.10E-05	7.61E-07	6.48E-06	1.22E-05	7.82E-07	6.84E-06	1.30E-05	6.68E-07	5.77E-06	1.10E-05
2,600	9.29E-07	8.05E-06	1.52E-05	8.15E-07	7.11E-06	1.33E-05	5.13E-07	4.62E-06	8.66E-06	6.63E-07	5.81E-06	1.10E-05	7.61E-07	6.47E-06	1.22E-05	7.82E-07	6.84E-06	1.30E-05	6.67E-07	5.77E-06	1.10E-05
2,601	9.29E-07	8.04E-06	1.52E-05	8.15E-07	7.10E-06	1.33E-05	5.13E-07	4.62E-06	8.66E-06	6.62E-07	5.81E-06	1.10E-05	7.61E-07	6.47E-06	1.22E-05	7.81E-07	6.84E-06	1.30E-05	6.67E-07	5.76E-06	1.10E-05
2,602	9.29E-07	8.04E-06	1.52E-05	8.15E-07	7.10E-06	1.33E-05	5.13E-07	4.62E-06	8.66E-06	6.62E-07	5.81E-06	1.10E-05	7.60E-07	6.46E-06	1.22E-05	7.81E-07	6.84E-06	1.30E-05	6.67E-07	5.76E-06	1.10E-05
2,603	9.28E-07	8.03E-06	1.52E-05	8.15E-07	7.10E-06	1.33E-05	5.12E-07	4.62E-06	8.66E-06	6.62E-07	5.81E-06	1.10E-05	7.60E-07	6.46E-06	1.22E-05	7.81E-07	6.83E-06	1.30E-05	6.67E-07	5.76E-06	1.10E-05
2,604	9.28E-07	8.03E-06	1.51E-05	8.15E-07	7.09E-06	1.33E-05	5.12E-07	4.61E-06	8.66E-06	6.62E-07	5.81E-06	1.10E-05	7.59E-07	6.45E-06	1.22E-05	7.81E-07	6.83E-06	1.30E-05	6.66E-07	5.75E-06	1.10E-05
2,605	9.27E-07	8.03E-06	1.51E-05	8.15E-07	7.09E-06	1.33E-05	5.12E-07	4.60E-06	8.66E-06	6.61E-07	5.81E-06	1.10E-05	7.59E-07	6.45E-06	1.21E-05	7.81E-07	6.83E-06	1.30E-05	6.66E-07	5.75E-06	1.10E-05
2,606	9.27E-07	8.03E-06	1.51E-05	8.14E-07	7.09E-06	1.33E-05	5.12E-07	4.60E-06	8.65E-06	6.61E-07	5.81E-06	1.10E-05	7.59E-07	6.45E-06	1.21E-05	7.80E-07	6.83E-06	1.30E-05	6.66E-07	5.75E-06	1.10E-05
2,607	9.27E-07	8.03E-06	1.51E-05	8.14E-07	7.09E-06	1.33E-05	5.12E-07	4.60E-06	8.65E-06	6.61E-07	5.80E-06	1.10E-05	7.59E-07	6.45E-06	1.21E-05	7.80E-07	6.83E-06	1.30E-05	6.65E-07	5.75E-06	1.10E-05
2,608	9.26E-07	8.02E-06	1.51E-05	8.14E-07	7.08E-06	1.33E-05	5.12E-07	4.60E-06	8.64E-06	6.61E-07	5.80E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.80E-07	6.83E-06	1.30E-05	6.65E-07	5.74E-06	1.10E-05
2,609	9.25E-07	8.02E-06	1.51E-05	8.14E-07	7.08E-06	1.33E-05	5.12E-07	4.60E-06	8.64E-06	6.60E-07	5.80E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.80E-07	6.82E-06	1.30E-05	6.65E-07	5.74E-06	1.10E-05
2,610	9.25E-07	8.02E-06	1.51E-05	8.14E-07	7.07E-06	1.33E-05	5.12E-07	4.60E-06	8.64E-06	6.60E-07	5.80E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.80E-07	6.82E-06	1.30E-05	6.65E-07	5.74E-06	1.10E-05
2,611	9.25E-07	8.02E-06	1.51E-05	8.14E-07	7.07E-06	1.33E-05	5.12E-07	4.59E-06	8.64E-06	6.60E-07	5.80E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.79E-07	6.82E-06	1.29E-05	6.64E-07	5.74E-06	1.10E-05
2,612	9.25E-07	8.02E-06	1.51E-05	8.13E-07	7.07E-06	1.33E-05	5.11E-07	4.59E-06	8.63E-06	6.60E-07	5.80E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.79E-07	6.82E-06	1.29E-05	6.64E-07	5.74E-06	1.10E-05
2,613	9.24E-07	8.02E-06	1.51E-05	8.13E-07	7.07E-06	1.32E-05	5.11E-07	4.59E-06	8.63E-06	6.60E-07	5.79E-06	1.10E-05	7.58E-07	6.44E-06	1.21E-05	7.79E-07	6.82E-06	1.29E-05	6.64E-07	5.74E-06	1.10E-05
2,614	9.24E-07	8.02E-06	1.51E-05	8.13E-07	7.07E-06	1.32E-05	5.11E-07	4.59E-06	8.63E-06	6.59E-07	5.79E-06	1.10E-05	7.57E-07	6.43E-06	1.21E-05	7.79E-07	6.82E-06	1.29E-05	6.64E-07	5.73E-06	1.10E-05
2,615	9.23E-07	8.01E-06	1.51E-05	8.13E-07	7.06E-06	1.32E-05	5.11E-07	4.59E-06	8.63E-06	6.59E-07	5.79E-06	1.10E-05	7.57E-07	6.43E-06	1.21E-05	7.79E-07	6.81E-06	1.29E-05	6.63E-07	5.73E-06	1.10E-05
2,616	9.23E-07	8.01E-06	1.51E-05	8.13E-07	7.06E-06	1.32E-05	5.11E-07	4.59E-06	8.62E-06	6.59E-07	5.78E-06	1.10E-05	7.57E-07	6.41E-06	1.21E-05	7.79E-07	6.81E-06	1.29E-05	6.63E-07	5.73E-06	1.10E-05
2,617	9.23E-07	8.01E-06	1.51E-05	8.13E-07	7.05E-06	1.32E-05	5.11E-07	4.58E-06	8.62E-06	6.58E-07	5.78E-06	1.10E-05	7.57E-07	6.41E-06	1.21E-05	7.78E-07	6.81E-06	1.29E-05	6.63E-07	5.73E-06	1.10E-05
2,618	9.22E-07	8.00E-06	1.51E-05	8.12E-07	7.05E-06	1.32E-05	5.11E-07	4.58E-06	8.61E-06	6.58E-07	5.78E-06	1.09E-05	7.56E-07	6.40E-06	1.21E-05	7.78E-07	6.80E-06	1.29E-05	6.63E-07	5.73E-06	1.10E-05
2,619	9.22E-07	8.00E-06	1.51E-05	8.12E-07	7.05E-06	1.32E-05	5.11E-07	4.58E-06	8.61E-06	6.58E-07	5.77E-06	1.09E-05	7.56E-07	6.40E-06	1.21E-05	7.78E-07	6.80E-06	1.29E-05	6.63E-07	5.73E-06	1.10E-05
2,620	9.21E-07	8.00E-06	1.51E-05	8.11E-07	7.04E-06	1.32E-05	5.10E-07	4.57E-06	8.61E-06	6.58E-07	5.77E-06	1.09E-05	7.55E-07	6.40E-06	1.21E-05	7.78E-07	6.80E-06	1.29E-05	6.63E-07	5.72E-06	1.10E-05
2,621	9.21E-07	7.99E-06	1.51E-05	8.11E-07	7.04E-06	1.32E-05	5.10E-07	4.57E-06	8.61E-06	6.58E-07	5.77E-06	1.09E-05	7.55E-07	6.40E-06	1.21E-05	7.78E-07	6.77E-06	1.29E-05	6.63E-07	5.72E-06	1.10E-05
2,622	9.21E-07	7.99E-06	1.51E-05	8.11E-07	7.04E-06	1.32E-05	5.10E-07	4.57E-06	8.60E-06	6.58E-07	5.76E-06	1.09E-05	7.55E-07	6.40E-06	1.21E-05	7.77E-07	6.76E-06	1.29E-05	6.62E-07	5.72E-06	1.10E-05
2,623	9.21E-07	7.99E-06	1.51E-05	8.11E-07	7.04E-06	1.32E-05	5.10E-07	4.57E-06	8.60E-06	6.58E-07	5.76E-06	1.09E-05	7.55E-07	6.39E-06	1.21E-05	7.76E-07	6.76E-06	1.29E-05	6.62E-07	5.71E-06	1.10E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,644	9.16E-07	7.95E-06	1.50E-05	8.06E-07	6.98E-06	1.31E-05	5.06E-07	4.52E-06	8.55E-06	6.54E-07	5.72E-06	1.08E-05	7.50E-07	6.34E-06	1.20E-05	7.70E-07	6.71E-06	1.28E-05	6.58E-07	5.68E-06	1.09E-05
2,645	9.16E-07	7.94E-06	1.50E-05	8.06E-07	6.98E-06	1.31E-05	5.06E-07	4.52E-06	8.54E-06	6.53E-07	5.71E-06	1.08E-05	7.50E-07	6.34E-06	1.20E-05	7.70E-07	6.71E-06	1.28E-05	6.58E-07	5.67E-06	1.09E-05
2,646	9.15E-07	7.94E-06	1.50E-05	8.06E-07	6.98E-06	1.31E-05	5.06E-07	4.52E-06	8.54E-06	6.53E-07	5.71E-06	1.08E-05	7.50E-07	6.34E-06	1.20E-05	7.70E-07	6.71E-06	1.28E-05	6.57E-07	5.67E-06	1.09E-05
2,647	9.15E-07	7.94E-06	1.50E-05	8.06E-07	6.97E-06	1.31E-05	5.05E-07	4.52E-06	8.54E-06	6.52E-07	5.71E-06	1.08E-05	7.49E-07	6.34E-06	1.20E-05	7.70E-07	6.69E-06	1.28E-05	6.57E-07	5.67E-06	1.09E-05
2,648	9.15E-07	7.93E-06	1.50E-05	8.06E-07	6.97E-06	1.31E-05	5.05E-07	4.51E-06	8.54E-06	6.52E-07	5.71E-06	1.08E-05	7.49E-07	6.33E-06	1.20E-05	7.70E-07	6.69E-06	1.28E-05	6.57E-07	5.66E-06	1.08E-05
2,649	9.14E-07	7.93E-06	1.50E-05	8.06E-07	6.97E-06	1.31E-05	5.05E-07	4.51E-06	8.53E-06	6.52E-07	5.71E-06	1.08E-05	7.49E-07	6.33E-06	1.20E-05	7.70E-07	6.69E-06	1.28E-05	6.57E-07	5.66E-06	1.08E-05
2,650	9.14E-07	7.93E-06	1.50E-05	8.06E-07	6.97E-06	1.31E-05	5.05E-07	4.51E-06	8.53E-06	6.52E-07	5.70E-06	1.08E-05	7.49E-07	6.33E-06	1.20E-05	7.69E-07	6.69E-06	1.28E-05	6.57E-07	5.66E-06	1.08E-05
2,651	9.14E-07	7.93E-06	1.50E-05	8.05E-07	6.97E-06	1.31E-05	5.04E-07	4.51E-06	8.53E-06	6.52E-07	5.70E-06	1.08E-05	7.48E-07	6.32E-06	1.20E-05	7.69E-07	6.68E-06	1.28E-05	6.57E-07	5.66E-06	1.08E-05
2,652	9.12E-07	7.92E-06	1.50E-05	8.05E-07	6.96E-06	1.31E-05	5.04E-07	4.51E-06	8.52E-06	6.52E-07	5.70E-06	1.08E-05	7.48E-07	6.32E-06	1.20E-05	7.69E-07	6.68E-06	1.28E-05	6.57E-07	5.66E-06	1.08E-05
2,653	9.12E-07	7.92E-06	1.50E-05	8.04E-07	6.96E-06	1.31E-05	5.04E-07	4.51E-06	8.52E-06	6.51E-07	5.70E-06	1.08E-05	7.48E-07	6.32E-06	1.20E-05	7.68E-07	6.68E-06	1.28E-05	6.56E-07	5.65E-06	1.08E-05
2,654	9.12E-07	7.92E-06	1.50E-05	8.04E-07	6.96E-06	1.31E-05	5.04E-07	4.51E-06	8.52E-06	6.51E-07	5.70E-06	1.08E-05	7.48E-07	6.31E-06	1.20E-05	7.68E-07	6.68E-06	1.28E-05	6.56E-07	5.65E-06	1.08E-05
2,655	9.12E-07	7.92E-06	1.50E-05	8.04E-07	6.96E-06	1.31E-05	5.04E-07	4.50E-06	8.51E-06	6.51E-07	5.70E-06	1.08E-05	7.48E-07	6.31E-06	1.20E-05	7.68E-07	6.67E-06	1.28E-05	6.56E-07	5.65E-06	1.08E-05
2,656	9.12E-07	7.92E-06	1.49E-05	8.04E-07	6.96E-06	1.31E-05	5.04E-07	4.50E-06	8.51E-06	6.51E-07	5.69E-06	1.08E-05	7.48E-07	6.31E-06	1.20E-05	7.67E-07	6.67E-06	1.28E-05	6.56E-07	5.65E-06	1.08E-05
2,657	9.12E-07	7.92E-06	1.49E-05	8.03E-07	6.96E-06	1.31E-05	5.04E-07	4.50E-06	8.51E-06	6.50E-07	5.69E-06	1.08E-05	7.48E-07	6.31E-06	1.20E-05	7.66E-07	6.67E-06	1.28E-05	6.56E-07	5.65E-06	1.08E-05
2,658	9.11E-07	7.91E-06	1.49E-05	8.03E-07	6.95E-06	1.31E-05	5.03E-07	4.50E-06	8.50E-06	6.50E-07	5.69E-06	1.08E-05	7.47E-07	6.31E-06	1.20E-05	7.66E-07	6.67E-06	1.28E-05	6.55E-07	5.65E-06	1.08E-05
2,659	9.11E-07	7.91E-06	1.49E-05	8.02E-07	6.95E-06	1.31E-05	5.03E-07	4.49E-06	8.50E-06	6.49E-07	5.68E-06	1.08E-05	7.47E-07	6.30E-06	1.20E-05	7.66E-07	6.67E-06	1.28E-05	6.55E-07	5.65E-06	1.08E-05
2,660	9.11E-07	7.91E-06	1.49E-05	8.02E-07	6.95E-06	1.30E-05	5.03E-07	4.49E-06	8.49E-06	6.49E-07	5.68E-06	1.08E-05	7.47E-07	6.30E-06	1.20E-05	7.65E-07	6.67E-06	1.28E-05	6.55E-07	5.64E-06	1.08E-05
2,661	9.11E-07	7.91E-06	1.49E-05	8.02E-07	6.94E-06	1.30E-05	5.03E-07	4.49E-06	8.49E-06	6.49E-07	5.68E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.65E-07	6.66E-06	1.28E-05	6.55E-07	5.64E-06	1.08E-05
2,662	9.11E-07	7.90E-06	1.49E-05	8.02E-07	6.94E-06	1.30E-05	5.03E-07	4.49E-06	8.48E-06	6.49E-07	5.68E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.65E-07	6.66E-06	1.27E-05	6.55E-07	5.64E-06	1.08E-05
2,663	9.11E-07	7.90E-06	1.49E-05	8.02E-07	6.94E-06	1.30E-05	5.03E-07	4.49E-06	8.48E-06	6.49E-07	5.68E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.65E-07	6.66E-06	1.27E-05	6.55E-07	5.64E-06	1.08E-05
2,664	9.11E-07	7.90E-06	1.49E-05	8.02E-07	6.94E-06	1.30E-05	5.03E-07	4.49E-06	8.48E-06	6.48E-07	5.68E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.65E-07	6.66E-06	1.27E-05	6.54E-07	5.64E-06	1.08E-05
2,665	9.10E-07	7.90E-06	1.49E-05	8.02E-07	6.93E-06	1.30E-05	5.03E-07	4.48E-06	8.47E-06	6.48E-07	5.67E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.65E-07	6.65E-06	1.27E-05	6.54E-07	5.64E-06	1.08E-05
2,666	9.10E-07	7.90E-06	1.49E-05	8.01E-07	6.93E-06	1.30E-05	5.03E-07	4.48E-06	8.47E-06	6.48E-07	5.67E-06	1.08E-05	7.47E-07	6.29E-06	1.20E-05	7.64E-07	6.64E-06	1.27E-05	6.54E-07	5.64E-06	1.08E-05
2,667	9.10E-07	7.90E-06	1.49E-05	8.01E-07	6.93E-06	1.30E-05	5.03E-07	4.48E-06	8.47E-06	6.48E-07	5.67E-06	1.07E-05	7.46E-07	6.29E-06	1.20E-05	7.64E-07	6.64E-06	1.27E-05	6.54E-07	5.64E-06	1.08E-05
2,668	9.10E-07	7.89E-06	1.49E-05	8.01E-07	6.93E-06	1.30E-05	5.03E-07	4.48E-06	8.47E-06	6.47E-07	5.67E-06	1.07E-05	7.46E-07	6.28E-06	1.19E-05	7.64E-07	6.64E-06	1.27E-05	6.53E-07	5.63E-06	1.08E-05
2,669	9.09E-07	7.89E-06	1.49E-05	8.01E-07	6.93E-06	1.30E-05	5.02E-07	4.48E-06	8.47E-06	6.46E-07	5.67E-06	1.07E-05	7.46E-07	6.28E-06	1.19E-05	7.63E-07	6.64E-06	1.27E-05	6.53E-07	5.63E-06	1.08E-05
2,670	9.09E-07	7.89E-06	1.49E-05	8.01E-07	6.92E-06	1.30E-05	5.02E-07	4.48E-06	8.47E-06	6.46E-07	5.67E-06	1.07E-05	7.46E-07	6.28E-06	1.19E-05	7.63E-07	6.64E-06	1.27E-05	6.53E-07	5.63E-06	1.08E-05
2,671	9.09E-07	7.89E-06	1.49E-05	8.01E-07	6.92E-06	1.30E-05	5.02E-07	4.48E-06	8.46E-06	6.46E-07	5.66E-06	1.07E-05	7.45E-07	6.28E-06	1.19E-05	7.63E-07	6.64E-06	1.27E-05	6.53E-07	5.62E-06	1.08E-05
2,672	9.09E-07	7.89E-06	1.49E-05	8.01E-07	6.92E-06	1.30E-05	5.02E-07	4.47E-06	8.46E-06	6.46E-07	5.66E-06	1.07E-05	7.45E-07	6.28E-06	1.19E-05	7.63E-07	6.63E-06	1.27E-05	6.53E-07	5.62E-06	1.08E-05
2,673	9.09E-07	7.89E-06	1.49E-05	8.00E-07	6.92E-06	1.30E-05	5.02E-07	4.47E-06	8.46E-06	6.46E-07	5.66E-06	1.07E-05	7.45E-07	6.28E-06	1.19E-05	7.63E-07	6.63E-06	1.27E-05	6.52E-07	5.62E-06	1.08E-05
2,674	9.09E-07	7.88E-06	1.49E-05	8.00E-07	6.91E-06	1.30E-05	5.02E-07	4.47E-06	8.45E-06	6.46E-07	5.66E-06	1.07E-05	7.45E-07	6.28E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.52E-07	5.62E-06	1.08E-05
2,675	9.08E-07	7.88E-06	1.49E-05	8.00E-07	6.91E-06	1.30E-05	5.02E-07	4.47E-06	8.45E-06	6.46E-07	5.65E-06	1.07E-05	7.44E-07	6.27E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.52E-07	5.61E-06	1.08E-05
2,676	9.08E-07	7.88E-06	1.49E-05	8.00E-07	6.91E-06	1.30E-05	5.02E-07	4.47E-06	8.45E-06	6.45E-07	5.65E-06	1.07E-05	7.44E-07	6.27E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.52E-07	5.61E-06	1.08E-05
2,677	9.08E-07	7.88E-06	1.49E-05	8.00E-07	6.91E-06	1.30E-05	5.01E-07	4.47E-06	8.45E-06	6.45E-07	5.65E-06	1.07E-05	7.44E-07	6.27E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.51E-07	5.61E-06	1.07E-05
2,678	9.08E-07	7.88E-06	1.49E-05	7.99E-07	6.91E-06	1.30E-05	5.01E-07	4.46E-06	8.45E-06	6.45E-07	5.65E-06	1.07E-05	7.44E-07	6.26E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.51E-07	5.61E-06	1.07E-05
2,679	9.08E-07	7.88E-06	1.49E-05	7.98E-07	6.91E-06	1.30E-05	5.00E-07	4.46E-06	8.44E-06	6.45E-07	5.64E-06	1.07E-05	7.44E-07	6.26E-06	1.19E-05	7.62E-07	6.63E-06	1.27E-05	6.51E-07	5.61E-06	1.07E-05
2,680	9.07E-07	7.88E-06	1.49E-05	7.98E-07	6.91E-06	1.30E-05	5.00E-07	4.46E-06	8.44E-06	6.45E-07	5.64E-06	1.07E-05	7.44E-07	6.26E-06	1.19E-05	7.62E-07	6.62E-06	1.27E-05	6.51E-07	5.61E-06	1.07E-05
2,681	9.07E-07	7.87E-06	1.49E-05	7.97E-07	6.91E-06	1.30E-05	5.00E-07	4.46E-06	8.44E-06	6.45E-07	5.64E-06	1.07E-05	7.44E-07	6.26E-06	1.19E-05	7.62E-07	6.62E-06	1.27E-05	6.50E-07	5.60E-06	1.07E-05
2,682	9.07E-07	7.87E-06	1.49E-05	7.97E-07	6.91E-06	1.30E-05	4.99E-07	4.46E-06	8.44E-06	6.44E-07	5.64E-06	1.07E-05	7.44E-07	6.26E-06	1.19E-05	7.61E-07	6.62E-06	1.27E-05	6.50E-07	5.60E-06	1.07E-05
2,683	9.07E-07	7.87E-06	1.49E-05	7.97E-07	6.90E-06	1.30E-05	4.99E-07	4.46E-06	8.44E-06	6.44E-07	5.64E-06	1.07E-05	7.43E-07	6.25E-06	1.19E-05	7.61E-07	6.61E-06	1.27E-05	6.50E-07	5.60E-06	1.07E-05
2,684	9.07E-07	7.85E-06	1.49E-05	7.97E-07	6.89E-06	1.30E-05	4.99E-07	4.45E-06	8.43E-06	6.44E-07	5.64E-06	1.07E-05	7.43E-07	6.25E-06	1.19E-05	7.61E-07	6.61E-06	1.26E-05	6.50E-07	5.60E-06	1.07E-05
2,685	9.07E-07	7.85E-06	1.49E-05	7.96E-07	6.89E-06	1.30E-05	4.99E-07	4.45E-06	8.43E-06	6.44E-07	5.63E-06	1.07E-05	7.43E-07	6.25E-06	1.19E-05	7.60E-07	6.61E-06	1.26E-05	6.49E-07	5.60E-06	1.07E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,706	9.03E-07	7.80E-06	1.48E-05	7.91E-07	6.84E-06	1.29E-05	4.95E-07	4.43E-06	8.34E-06	6.39E-07	5.59E-06	1.06E-05	7.37E-07	6.21E-06	1.18E-05	7.56E-07	6.55E-06	1.26E-05	6.44E-07	5.55E-06	1.07E-05
2,707	9.03E-07	7.80E-06	1.48E-05	7.91E-07	6.84E-06	1.29E-05	4.95E-07	4.43E-06	8.34E-06	6.39E-07	5.59E-06	1.06E-05	7.37E-07	6.21E-06	1.18E-05	7.56E-07	6.55E-06	1.25E-05	6.44E-07	5.54E-06	1.07E-05
2,708	9.02E-07	7.79E-06	1.48E-05	7.90E-07	6.84E-06	1.29E-05	4.95E-07	4.42E-06	8.33E-06	6.38E-07	5.59E-06	1.06E-05	7.37E-07	6.20E-06	1.18E-05	7.56E-07	6.55E-06	1.25E-05	6.44E-07	5.54E-06	1.07E-05
2,709	9.02E-07	7.79E-06	1.47E-05	7.90E-07	6.84E-06	1.29E-05	4.95E-07	4.42E-06	8.33E-06	6.38E-07	5.59E-06	1.06E-05	7.36E-07	6.20E-06	1.18E-05	7.56E-07	6.55E-06	1.25E-05	6.44E-07	5.54E-06	1.06E-05
2,710	9.02E-07	7.79E-06	1.47E-05	7.90E-07	6.83E-06	1.29E-05	4.94E-07	4.42E-06	8.32E-06	6.38E-07	5.59E-06	1.06E-05	7.36E-07	6.20E-06	1.18E-05	7.55E-07	6.55E-06	1.25E-05	6.44E-07	5.53E-06	1.06E-05
2,711	9.01E-07	7.79E-06	1.47E-05	7.89E-07	6.83E-06	1.29E-05	4.94E-07	4.42E-06	8.32E-06	6.38E-07	5.59E-06	1.06E-05	7.36E-07	6.20E-06	1.18E-05	7.55E-07	6.54E-06	1.25E-05	6.44E-07	5.53E-06	1.06E-05
2,712	9.01E-07	7.79E-06	1.47E-05	7.89E-07	6.83E-06	1.29E-05	4.94E-07	4.41E-06	8.32E-06	6.38E-07	5.58E-06	1.06E-05	7.36E-07	6.20E-06	1.18E-05	7.55E-07	6.54E-06	1.25E-05	6.43E-07	5.53E-06	1.06E-05
2,713	9.01E-07	7.78E-06	1.47E-05	7.89E-07	6.83E-06	1.29E-05	4.94E-07	4.41E-06	8.31E-06	6.38E-07	5.58E-06	1.06E-05	7.35E-07	6.20E-06	1.18E-05	7.55E-07	6.54E-06	1.25E-05	6.43E-07	5.52E-06	1.06E-05
2,714	9.01E-07	7.78E-06	1.47E-05	7.88E-07	6.83E-06	1.28E-05	4.93E-07	4.41E-06	8.31E-06	6.37E-07	5.58E-06	1.06E-05	7.35E-07	6.19E-06	1.18E-05	7.54E-07	6.54E-06	1.25E-05	6.43E-07	5.52E-06	1.06E-05
2,715	9.01E-07	7.77E-06	1.47E-05	7.88E-07	6.82E-06	1.28E-05	4.93E-07	4.41E-06	8.30E-06	6.37E-07	5.58E-06	1.06E-05	7.35E-07	6.19E-06	1.18E-05	7.54E-07	6.54E-06	1.25E-05	6.42E-07	5.52E-06	1.06E-05
2,716	9.00E-07	7.77E-06	1.47E-05	7.88E-07	6.82E-06	1.28E-05	4.93E-07	4.41E-06	8.30E-06	6.37E-07	5.57E-06	1.06E-05	7.34E-07	6.19E-06	1.18E-05	7.54E-07	6.54E-06	1.25E-05	6.42E-07	5.52E-06	1.06E-05
2,717	9.00E-07	7.77E-06	1.47E-05	7.88E-07	6.82E-06	1.28E-05	4.93E-07	4.41E-06	8.29E-06	6.37E-07	5.57E-06	1.06E-05	7.34E-07	6.19E-06	1.18E-05	7.54E-07	6.53E-06	1.25E-05	6.42E-07	5.51E-06	1.06E-05
2,718	9.00E-07	7.77E-06	1.47E-05	7.87E-07	6.82E-06	1.28E-05	4.93E-07	4.41E-06	8.29E-06	6.37E-07	5.57E-06	1.06E-05	7.34E-07	6.19E-06	1.18E-05	7.54E-07	6.53E-06	1.25E-05	6.41E-07	5.51E-06	1.06E-05
2,719	9.00E-07	7.76E-06	1.47E-05	7.87E-07	6.82E-06	1.28E-05	4.93E-07	4.41E-06	8.29E-06	6.37E-07	5.57E-06	1.06E-05	7.34E-07	6.19E-06	1.18E-05	7.54E-07	6.53E-06	1.25E-05	6.41E-07	5.51E-06	1.06E-05
2,720	9.00E-07	7.76E-06	1.47E-05	7.87E-07	6.81E-06	1.28E-05	4.92E-07	4.41E-06	8.29E-06	6.37E-07	5.56E-06	1.06E-05	7.34E-07	6.18E-06	1.18E-05	7.54E-07	6.53E-06	1.25E-05	6.41E-07	5.50E-06	1.06E-05
2,721	9.00E-07	7.76E-06	1.47E-05	7.87E-07	6.81E-06	1.28E-05	4.92E-07	4.40E-06	8.29E-06	6.37E-07	5.56E-06	1.06E-05	7.33E-07	6.18E-06	1.18E-05	7.54E-07	6.53E-06	1.25E-05	6.40E-07	5.50E-06	1.06E-05
2,722	9.00E-07	7.76E-06	1.47E-05	7.87E-07	6.81E-06	1.28E-05	4.92E-07	4.40E-06	8.29E-06	6.36E-07	5.56E-06	1.06E-05	7.33E-07	6.18E-06	1.18E-05	7.53E-07	6.53E-06	1.25E-05	6.40E-07	5.50E-06	1.06E-05
2,723	8.99E-07	7.76E-06	1.47E-05	7.86E-07	6.81E-06	1.28E-05	4.92E-07	4.40E-06	8.29E-06	6.36E-07	5.56E-06	1.05E-05	7.33E-07	6.17E-06	1.18E-05	7.53E-07	6.52E-06	1.24E-05	6.40E-07	5.50E-06	1.06E-05
2,724	8.99E-07	7.76E-06	1.47E-05	7.86E-07	6.81E-06	1.28E-05	4.91E-07	4.40E-06	8.28E-06	6.36E-07	5.56E-06	1.05E-05	7.33E-07	6.17E-06	1.18E-05	7.53E-07	6.52E-06	1.24E-05	6.40E-07	5.50E-06	1.06E-05
2,725	8.98E-07	7.75E-06	1.47E-05	7.86E-07	6.81E-06	1.28E-05	4.91E-07	4.40E-06	8.28E-06	6.36E-07	5.56E-06	1.05E-05	7.33E-07	6.17E-06	1.18E-05	7.53E-07	6.52E-06	1.24E-05	6.40E-07	5.50E-06	1.06E-05
2,726	8.96E-07	7.75E-06	1.47E-05	7.85E-07	6.81E-06	1.28E-05	4.91E-07	4.40E-06	8.28E-06	6.36E-07	5.55E-06	1.05E-05	7.33E-07	6.17E-06	1.18E-05	7.53E-07	6.52E-06	1.24E-05	6.40E-07	5.50E-06	1.06E-05
2,727	8.96E-07	7.75E-06	1.47E-05	7.85E-07	6.80E-06	1.28E-05	4.91E-07	4.40E-06	8.28E-06	6.35E-07	5.54E-06	1.05E-05	7.33E-07	6.17E-06	1.18E-05	7.53E-07	6.52E-06	1.24E-05	6.40E-07	5.49E-06	1.06E-05
2,728	8.96E-07	7.75E-06	1.47E-05	7.85E-07	6.80E-06	1.28E-05	4.91E-07	4.40E-06	8.28E-06	6.35E-07	5.54E-06	1.05E-05	7.33E-07	6.16E-06	1.18E-05	7.52E-07	6.52E-06	1.24E-05	6.39E-07	5.49E-06	1.06E-05
2,729	8.96E-07	7.74E-06	1.47E-05	7.85E-07	6.80E-06	1.28E-05	4.91E-07	4.39E-06	8.28E-06	6.35E-07	5.54E-06	1.05E-05	7.30E-07	6.16E-06	1.18E-05	7.52E-07	6.52E-06	1.24E-05	6.39E-07	5.49E-06	1.06E-05
2,730	8.96E-07	7.74E-06	1.47E-05	7.85E-07	6.80E-06	1.28E-05	4.91E-07	4.39E-06	8.28E-06	6.35E-07	5.54E-06	1.05E-05	7.30E-07	6.16E-06	1.18E-05	7.52E-07	6.51E-06	1.24E-05	6.39E-07	5.49E-06	1.06E-05
2,731	8.95E-07	7.74E-06	1.46E-05	7.84E-07	6.80E-06	1.28E-05	4.91E-07	4.39E-06	8.27E-06	6.35E-07	5.54E-06	1.05E-05	7.30E-07	6.16E-06	1.18E-05	7.52E-07	6.51E-06	1.24E-05	6.38E-07	5.49E-06	1.06E-05
2,732	8.95E-07	7.73E-06	1.46E-05	7.84E-07	6.80E-06	1.28E-05	4.91E-07	4.39E-06	8.27E-06	6.34E-07	5.54E-06	1.05E-05	7.30E-07	6.15E-06	1.17E-05	7.51E-07	6.51E-06	1.24E-05	6.38E-07	5.49E-06	1.06E-05
2,733	8.95E-07	7.73E-06	1.46E-05	7.84E-07	6.79E-06	1.28E-05	4.91E-07	4.38E-06	8.27E-06	6.34E-07	5.53E-06	1.05E-05	7.30E-07	6.14E-06	1.17E-05	7.51E-07	6.51E-06	1.24E-05	6.38E-07	5.49E-06	1.06E-05
2,734	8.95E-07	7.73E-06	1.46E-05	7.84E-07	6.79E-06	1.28E-05	4.91E-07	4.38E-06	8.26E-06	6.34E-07	5.53E-06	1.05E-05	7.30E-07	6.14E-06	1.17E-05	7.51E-07	6.51E-06	1.24E-05	6.38E-07	5.49E-06	1.06E-05
2,735	8.94E-07	7.73E-06	1.46E-05	7.84E-07	6.78E-06	1.28E-05	4.91E-07	4.38E-06	8.26E-06	6.33E-07	5.53E-06	1.05E-05	7.30E-07	6.14E-06	1.17E-05	7.51E-07	6.51E-06	1.24E-05	6.38E-07	5.49E-06	1.06E-05
2,736	8.94E-07	7.73E-06	1.46E-05	7.84E-07	6.78E-06	1.28E-05	4.91E-07	4.37E-06	8.26E-06	6.33E-07	5.53E-06	1.05E-05	7.29E-07	6.14E-06	1.17E-05	7.50E-07	6.50E-06	1.24E-05	6.38E-07	5.48E-06	1.06E-05
2,737	8.94E-07	7.72E-06	1.46E-05	7.83E-07	6.78E-06	1.28E-05	4.90E-07	4.37E-06	8.26E-06	6.33E-07	5.53E-06	1.05E-05	7.29E-07	6.14E-06	1.17E-05	7.50E-07	6.50E-06	1.24E-05	6.38E-07	5.48E-06	1.06E-05
2,738	8.94E-07	7.72E-06	1.46E-05	7.83E-07	6.77E-06	1.28E-05	4.90E-07	4.37E-06	8.26E-06	6.33E-07	5.52E-06	1.05E-05	7.29E-07	6.14E-06	1.17E-05	7.50E-07	6.49E-06	1.24E-05	6.37E-07	5.48E-06	1.06E-05
2,739	8.94E-07	7.72E-06	1.46E-05	7.83E-07	6.77E-06	1.28E-05	4.90E-07	4.37E-06	8.26E-06	6.32E-07	5.52E-06	1.05E-05	7.29E-07	6.14E-06	1.17E-05	7.49E-07	6.49E-06	1.24E-05	6.37E-07	5.48E-06	1.06E-05
2,740	8.93E-07	7.71E-06	1.46E-05	7.82E-07	6.77E-06	1.28E-05	4.90E-07	4.37E-06	8.26E-06	6.32E-07	5.52E-06	1.05E-05	7.29E-07	6.14E-06	1.17E-05	7.49E-07	6.49E-06	1.24E-05	6.37E-07	5.48E-06	1.06E-05
2,741	8.93E-07	7.71E-06	1.46E-05	7.82E-07	6.76E-06	1.28E-05	4.90E-07	4.37E-06	8.26E-06	6.32E-07	5.52E-06	1.05E-05	7.28E-07	6.14E-06	1.17E-05	7.48E-07	6.49E-06	1.24E-05	6.37E-07	5.47E-06	1.06E-05
2,742	8.92E-07	7.71E-06	1.46E-05	7.81E-07	6.75E-06	1.28E-05	4.89E-07	4.37E-06	8.25E-06	6.32E-07	5.52E-06	1.05E-05	7.28E-07	6.14E-06	1.17E-05	7.48E-07	6.49E-06	1.24E-05	6.37E-07	5.47E-06	1.06E-05
2,743	8.92E-07	7.70E-06	1.46E-05	7.81E-07	6.75E-06	1.27E-05	4.89E-07	4.36E-06	8.25E-06	6.32E-07	5.51E-06	1.05E-05	7.28E-07	6.13E-06	1.17E-05	7.48E-07	6.48E-06	1.24E-05	6.37E-07	5.47E-06	1.05E-05
2,744	8.92E-07	7.70E-06	1.46E-05	7.81E-07	6.75E-06	1.27E-05	4.89E-07	4.36E-06	8.25E-06	6.31E-07	5.51E-06	1.05E-05	7.28E-07	6.13E-06	1.17E-05	7.47E-07	6.48E-06	1.24E-05	6.36E-07	5.47E-06	1.05E-05
2,745	8.92E-07	7.70E-06	1.46E-05	7.81E-07	6.75E-06	1.27E-05	4.89E-07	4.36E-06	8.24E-06	6.31E-07	5.51E-06	1.05E-05	7.27E-07	6.12E-06	1.17E-05	7.47E-07	6.48E-06	1.24E-05	6.36E-07	5.47E-06	1.05E-05
2,746	8.91E-07	7.70E-06	1.46E-05	7.81E-07	6.75E-06	1.27E-05	4.89E-07	4.36E-06	8.24E-06	6.31E-07	5.51E-06	1.05E-05	7.27E-07	6.12E-06	1.17E-05	7.47E-07	6.48E-06	1.24E-05	6.36E-07	5.47E-06	1.05E-05
2,747	8.91E-07	7.70E-06	1.46E-05	7.80E-07	6.74E-06	1.27E-05	4.89E-07	4.36E-06	8.24E-06	6.30E-07	5.51E-06	1.05E-05	7.27E-07	6.12E-06	1.17E-05	7.47E-07	6.48E-06	1.24E-05	6.35E-07	5.47E-06	1.05E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,768	8.87E-07	7.64E-06	1.45E-05	7.75E-07	6.70E-06	1.27E-05	4.85E-07	4.31E-06	8.19E-06	6.26E-07	5.48E-06	1.04E-05	7.24E-07	6.07E-06	1.16E-05	7.43E-07	6.42E-06	1.23E-05	6.29E-07	5.43E-06	1.04E-05
2,769	8.86E-07	7.64E-06	1.45E-05	7.75E-07	6.70E-06	1.27E-05	4.85E-07	4.31E-06	8.19E-06	6.26E-07	5.48E-06	1.04E-05	7.23E-07	6.07E-06	1.16E-05	7.43E-07	6.42E-06	1.23E-05	6.29E-07	5.43E-06	1.04E-05
2,770	8.86E-07	7.63E-06	1.45E-05	7.75E-07	6.70E-06	1.27E-05	4.85E-07	4.31E-06	8.19E-06	6.25E-07	5.48E-06	1.04E-05	7.23E-07	6.07E-06	1.16E-05	7.43E-07	6.42E-06	1.23E-05	6.29E-07	5.42E-06	1.04E-05
2,771	8.86E-07	7.63E-06	1.45E-05	7.74E-07	6.70E-06	1.27E-05	4.85E-07	4.31E-06	8.19E-06	6.25E-07	5.48E-06	1.04E-05	7.23E-07	6.06E-06	1.16E-05	7.43E-07	6.42E-06	1.23E-05	6.29E-07	5.42E-06	1.04E-05
2,772	8.86E-07	7.62E-06	1.45E-05	7.73E-07	6.69E-06	1.27E-05	4.85E-07	4.31E-06	8.18E-06	6.25E-07	5.47E-06	1.04E-05	7.23E-07	6.05E-06	1.16E-05	7.42E-07	6.42E-06	1.23E-05	6.29E-07	5.42E-06	1.04E-05
2,773	8.85E-07	7.62E-06	1.45E-05	7.72E-07	6.69E-06	1.26E-05	4.84E-07	4.31E-06	8.18E-06	6.25E-07	5.47E-06	1.04E-05	7.23E-07	6.05E-06	1.16E-05	7.42E-07	6.42E-06	1.22E-05	6.28E-07	5.42E-06	1.04E-05
2,774	8.84E-07	7.61E-06	1.45E-05	7.72E-07	6.69E-06	1.26E-05	4.84E-07	4.30E-06	8.18E-06	6.24E-07	5.47E-06	1.04E-05	7.23E-07	6.05E-06	1.16E-05	7.42E-07	6.41E-06	1.22E-05	6.28E-07	5.42E-06	1.04E-05
2,775	8.84E-07	7.61E-06	1.45E-05	7.72E-07	6.69E-06	1.26E-05	4.84E-07	4.30E-06	8.18E-06	6.24E-07	5.47E-06	1.04E-05	7.22E-07	6.05E-06	1.16E-05	7.42E-07	6.41E-06	1.22E-05	6.28E-07	5.42E-06	1.04E-05
2,776	8.84E-07	7.61E-06	1.45E-05	7.72E-07	6.68E-06	1.26E-05	4.83E-07	4.30E-06	8.18E-06	6.24E-07	5.47E-06	1.04E-05	7.22E-07	6.05E-06	1.16E-05	7.42E-07	6.41E-06	1.22E-05	6.28E-07	5.42E-06	1.04E-05
2,777	8.84E-07	7.61E-06	1.45E-05	7.72E-07	6.68E-06	1.26E-05	4.83E-07	4.30E-06	8.17E-06	6.24E-07	5.47E-06	1.04E-05	7.22E-07	6.05E-06	1.16E-05	7.42E-07	6.41E-06	1.22E-05	6.27E-07	5.42E-06	1.04E-05
2,778	8.84E-07	7.61E-06	1.44E-05	7.71E-07	6.68E-06	1.26E-05	4.83E-07	4.30E-06	8.16E-06	6.24E-07	5.46E-06	1.04E-05	7.22E-07	6.04E-06	1.16E-05	7.41E-07	6.41E-06	1.22E-05	6.27E-07	5.42E-06	1.04E-05
2,779	8.84E-07	7.60E-06	1.44E-05	7.71E-07	6.68E-06	1.26E-05	4.83E-07	4.30E-06	8.16E-06	6.24E-07	5.46E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.41E-07	6.41E-06	1.22E-05	6.27E-07	5.42E-06	1.04E-05
2,780	8.84E-07	7.60E-06	1.44E-05	7.71E-07	6.67E-06	1.26E-05	4.83E-07	4.30E-06	8.16E-06	6.24E-07	5.46E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.41E-07	6.40E-06	1.22E-05	6.27E-07	5.42E-06	1.04E-05
2,781	8.83E-07	7.60E-06	1.44E-05	7.70E-07	6.67E-06	1.26E-05	4.83E-07	4.30E-06	8.16E-06	6.23E-07	5.46E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.41E-07	6.40E-06	1.22E-05	6.27E-07	5.42E-06	1.04E-05
2,782	8.83E-07	7.60E-06	1.44E-05	7.70E-07	6.67E-06	1.26E-05	4.83E-07	4.29E-06	8.15E-06	6.23E-07	5.46E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.41E-07	6.40E-06	1.22E-05	6.26E-07	5.41E-06	1.04E-05
2,783	8.83E-07	7.59E-06	1.44E-05	7.69E-07	6.66E-06	1.26E-05	4.82E-07	4.29E-06	8.15E-06	6.23E-07	5.46E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.40E-07	6.40E-06	1.22E-05	6.26E-07	5.41E-06	1.04E-05
2,784	8.82E-07	7.59E-06	1.44E-05	7.69E-07	6.66E-06	1.26E-05	4.82E-07	4.29E-06	8.15E-06	6.22E-07	5.45E-06	1.04E-05	7.21E-07	6.04E-06	1.16E-05	7.40E-07	6.40E-06	1.22E-05	6.26E-07	5.41E-06	1.04E-05
2,785	8.82E-07	7.59E-06	1.44E-05	7.69E-07	6.66E-06	1.26E-05	4.82E-07	4.29E-06	8.15E-06	6.22E-07	5.45E-06	1.04E-05	7.21E-07	6.03E-06	1.16E-05	7.40E-07	6.40E-06	1.22E-05	6.26E-07	5.41E-06	1.04E-05
2,786	8.82E-07	7.59E-06	1.44E-05	7.69E-07	6.66E-06	1.26E-05	4.82E-07	4.29E-06	8.14E-06	6.22E-07	5.45E-06	1.04E-05	7.21E-07	6.03E-06	1.16E-05	7.39E-07	6.40E-06	1.22E-05	6.26E-07	5.41E-06	1.04E-05
2,787	8.82E-07	7.58E-06	1.44E-05	7.69E-07	6.65E-06	1.26E-05	4.82E-07	4.29E-06	8.14E-06	6.22E-07	5.45E-06	1.04E-05	7.20E-07	6.03E-06	1.16E-05	7.39E-07	6.39E-06	1.22E-05	6.26E-07	5.40E-06	1.04E-05
2,788	8.81E-07	7.57E-06	1.44E-05	7.68E-07	6.65E-06	1.26E-05	4.81E-07	4.29E-06	8.14E-06	6.22E-07	5.45E-06	1.03E-05	7.20E-07	6.03E-06	1.16E-05	7.39E-07	6.39E-06	1.22E-05	6.25E-07	5.40E-06	1.04E-05
2,789	8.81E-07	7.57E-06	1.44E-05	7.68E-07	6.65E-06	1.26E-05	4.81E-07	4.29E-06	8.14E-06	6.21E-07	5.45E-06	1.03E-05	7.20E-07	6.02E-06	1.16E-05	7.38E-07	6.39E-06	1.22E-05	6.25E-07	5.40E-06	1.04E-05
2,790	8.81E-07	7.57E-06	1.44E-05	7.67E-07	6.64E-06	1.26E-05	4.81E-07	4.29E-06	8.14E-06	6.21E-07	5.45E-06	1.03E-05	7.20E-07	6.02E-06	1.16E-05	7.38E-07	6.39E-06	1.22E-05	6.25E-07	5.40E-06	1.04E-05
2,791	8.81E-07	7.56E-06	1.44E-05	7.67E-07	6.64E-06	1.26E-05	4.81E-07	4.29E-06	8.14E-06	6.21E-07	5.44E-06	1.03E-05	7.19E-07	6.02E-06	1.16E-05	7.38E-07	6.39E-06	1.22E-05	6.25E-07	5.39E-06	1.04E-05
2,792	8.81E-07	7.55E-06	1.44E-05	7.67E-07	6.64E-06	1.26E-05	4.81E-07	4.29E-06	8.14E-06	6.20E-07	5.44E-06	1.03E-05	7.18E-07	6.02E-06	1.16E-05	7.37E-07	6.39E-06	1.22E-05	6.25E-07	5.39E-06	1.03E-05
2,793	8.81E-07	7.55E-06	1.44E-05	7.67E-07	6.64E-06	1.26E-05	4.81E-07	4.29E-06	8.13E-06	6.20E-07	5.44E-06	1.03E-05	7.18E-07	6.02E-06	1.16E-05	7.37E-07	6.39E-06	1.22E-05	6.25E-07	5.39E-06	1.03E-05
2,794	8.80E-07	7.55E-06	1.44E-05	7.67E-07	6.63E-06	1.26E-05	4.80E-07	4.28E-06	8.13E-06	6.20E-07	5.44E-06	1.03E-05	7.18E-07	6.02E-06	1.16E-05	7.36E-07	6.38E-06	1.22E-05	6.24E-07	5.39E-06	1.03E-05
2,795	8.80E-07	7.55E-06	1.44E-05	7.67E-07	6.63E-06	1.26E-05	4.80E-07	4.28E-06	8.13E-06	6.20E-07	5.44E-06	1.03E-05	7.17E-07	6.02E-06	1.16E-05	7.36E-07	6.38E-06	1.22E-05	6.23E-07	5.39E-06	1.03E-05
2,796	8.80E-07	7.55E-06	1.44E-05	7.67E-07	6.62E-06	1.26E-05	4.80E-07	4.28E-06	8.13E-06	6.19E-07	5.44E-06	1.03E-05	7.17E-07	6.02E-06	1.16E-05	7.36E-07	6.38E-06	1.22E-05	6.23E-07	5.39E-06	1.03E-05
2,797	8.79E-07	7.54E-06	1.44E-05	7.66E-07	6.62E-06	1.26E-05	4.79E-07	4.28E-06	8.13E-06	6.19E-07	5.44E-06	1.03E-05	7.17E-07	6.01E-06	1.15E-05	7.36E-07	6.37E-06	1.22E-05	6.23E-07	5.38E-06	1.03E-05
2,798	8.79E-07	7.54E-06	1.43E-05	7.66E-07	6.62E-06	1.26E-05	4.79E-07	4.27E-06	8.13E-06	6.19E-07	5.43E-06	1.03E-05	7.17E-07	6.01E-06	1.15E-05	7.36E-07	6.37E-06	1.22E-05	6.23E-07	5.38E-06	1.03E-05
2,799	8.79E-07	7.54E-06	1.43E-05	7.65E-07	6.62E-06	1.26E-05	4.79E-07	4.27E-06	8.13E-06	6.19E-07	5.43E-06	1.03E-05	7.16E-07	6.01E-06	1.15E-05	7.36E-07	6.37E-06	1.21E-05	6.23E-07	5.38E-06	1.03E-05
2,800	8.79E-07	7.54E-06	1.43E-05	7.65E-07	6.62E-06	1.26E-05	4.79E-07	4.27E-06	8.13E-06	6.18E-07	5.43E-06	1.03E-05	7.16E-07	6.00E-06	1.15E-05	7.35E-07	6.37E-06	1.21E-05	6.22E-07	5.38E-06	1.03E-05
2,801	8.78E-07	7.53E-06	1.43E-05	7.65E-07	6.62E-06	1.26E-05	4.79E-07	4.27E-06	8.12E-06	6.18E-07	5.43E-06	1.03E-05	7.15E-07	6.00E-06	1.15E-05	7.35E-07	6.37E-06	1.21E-05	6.22E-07	5.38E-06	1.03E-05
2,802	8.78E-07	7.53E-06	1.43E-05	7.64E-07	6.61E-06	1.26E-05	4.78E-07	4.27E-06	8.12E-06	6.18E-07	5.43E-06	1.03E-05	7.14E-07	6.00E-06	1.15E-05	7.35E-07	6.37E-06	1.21E-05	6.22E-07	5.38E-06	1.03E-05
2,803	8.78E-07	7.53E-06	1.43E-05	7.64E-07	6.61E-06	1.26E-05	4.78E-07	4.27E-06	8.12E-06	6.17E-07	5.43E-06	1.03E-05	7.14E-07	6.00E-06	1.15E-05	7.35E-07	6.36E-06	1.21E-05	6.22E-07	5.38E-06	1.03E-05
2,804	8.78E-07	7.52E-06	1.43E-05	7.64E-07	6.61E-06	1.26E-05	4.78E-07	4.27E-06	8.12E-06	6.17E-07	5.42E-06	1.03E-05	7.14E-07	5.99E-06	1.15E-05	7.34E-07	6.36E-06	1.21E-05	6.22E-07	5.37E-06	1.03E-05
2,805	8.77E-07	7.52E-06	1.43E-05	7.64E-07	6.61E-06	1.26E-05	4.78E-07	4.26E-06	8.12E-06	6.17E-07	5.42E-06	1.03E-05	7.14E-07	5.99E-06	1.15E-05	7.34E-07	6.36E-06	1.21E-05	6.22E-07	5.37E-06	1.03E-05
2,806	8.76E-07	7.52E-06	1.43E-05	7.64E-07	6.60E-06	1.26E-05	4.78E-07	4.26E-06	8.11E-06	6.17E-07	5.42E-06	1.03E-05	7.14E-07	5.99E-06	1.15E-05	7.34E-07	6.35E-06	1.21E-05	6.22E-07	5.37E-06	1.03E-05
2,807	8.76E-07	7.51E-06	1.43E-05	7.63E-07	6.59E-06	1.26E-05	4.78E-07	4.26E-06	8.11E-06	6.17E-07	5.42E-06	1.03E-05	7.14E-07	5.99E-06	1.15E-05	7.34E-07	6.35E-06	1.21E-05	6.21E-07	5.37E-06	1.03E-05
2,808	8.76E-07	7.51E-06	1.43E-05	7.63E-07	6.59E-06	1.26E-05	4.78E-07	4.26E-06	8.11E-06	6.16E-07	5.42E-06	1.03E-05	7.14E-07	5.99E-06	1.15E-05	7.33E-07	6.35E-06	1.21E-05	6.20E-07	5.37E-06	1.03E-05
2,809	8.75E-07	7.51E-06	1.43E-05	7.63E-07	6.59E-06	1.26E-05	4.78E-07	4.25E-06	8.11E-06	6.16E-07	5.42E-06	1.03E-05	7.13E-07	5.99E-06	1.15E-05	7.33E-07	6.35E-06	1.21E-05	6.20E-07	5.37E-06	1.03E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,830	8.70E-07	7.46E-06	1.42E-05	7.59E-07	6.56E-06	1.25E-05	4.74E-07	4.23E-06	8.05E-06	6.13E-07	5.38E-06	1.02E-05	7.08E-07	5.96E-06	1.15E-05	7.31E-07	6.31E-06	1.21E-05	6.17E-07	5.33E-06	1.02E-05
2,831	8.70E-07	7.45E-06	1.42E-05	7.58E-07	6.56E-06	1.25E-05	4.74E-07	4.23E-06	8.04E-06	6.12E-07	5.38E-06	1.02E-05	7.07E-07	5.96E-06	1.15E-05	7.30E-07	6.31E-06	1.21E-05	6.17E-07	5.33E-06	1.02E-05
2,832	8.70E-07	7.45E-06	1.42E-05	7.58E-07	6.56E-06	1.25E-05	4.74E-07	4.22E-06	8.04E-06	6.12E-07	5.38E-06	1.02E-05	7.07E-07	5.96E-06	1.14E-05	7.30E-07	6.31E-06	1.21E-05	6.17E-07	5.33E-06	1.02E-05
2,833	8.70E-07	7.45E-06	1.42E-05	7.58E-07	6.56E-06	1.25E-05	4.74E-07	4.22E-06	8.04E-06	6.12E-07	5.38E-06	1.02E-05	7.07E-07	5.96E-06	1.14E-05	7.30E-07	6.31E-06	1.21E-05	6.16E-07	5.33E-06	1.02E-05
2,834	8.70E-07	7.45E-06	1.42E-05	7.58E-07	6.55E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.38E-06	1.02E-05	7.07E-07	5.96E-06	1.14E-05	7.30E-07	6.30E-06	1.21E-05	6.16E-07	5.33E-06	1.02E-05
2,835	8.70E-07	7.44E-06	1.42E-05	7.57E-07	6.55E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.37E-06	1.02E-05	7.07E-07	5.95E-06	1.14E-05	7.30E-07	6.30E-06	1.21E-05	6.16E-07	5.32E-06	1.02E-05
2,836	8.70E-07	7.44E-06	1.42E-05	7.57E-07	6.55E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.37E-06	1.02E-05	7.06E-07	5.95E-06	1.14E-05	7.30E-07	6.30E-06	1.21E-05	6.15E-07	5.32E-06	1.02E-05
2,837	8.69E-07	7.44E-06	1.42E-05	7.56E-07	6.55E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.37E-06	1.02E-05	7.06E-07	5.95E-06	1.14E-05	7.30E-07	6.29E-06	1.20E-05	6.15E-07	5.32E-06	1.02E-05
2,838	8.69E-07	7.43E-06	1.42E-05	7.56E-07	6.54E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.37E-06	1.02E-05	7.06E-07	5.95E-06	1.14E-05	7.30E-07	6.29E-06	1.20E-05	6.15E-07	5.31E-06	1.02E-05
2,839	8.69E-07	7.43E-06	1.42E-05	7.55E-07	6.54E-06	1.25E-05	4.73E-07	4.22E-06	8.04E-06	6.11E-07	5.37E-06	1.02E-05	7.06E-07	5.94E-06	1.14E-05	7.30E-07	6.29E-06	1.20E-05	6.14E-07	5.31E-06	1.02E-05
2,840	8.68E-07	7.43E-06	1.42E-05	7.55E-07	6.54E-06	1.25E-05	4.73E-07	4.22E-06	8.03E-06	6.10E-07	5.37E-06	1.02E-05	7.05E-07	5.94E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.14E-07	5.31E-06	1.02E-05
2,841	8.68E-07	7.42E-06	1.42E-05	7.54E-07	6.54E-06	1.24E-05	4.73E-07	4.22E-06	8.03E-06	6.10E-07	5.36E-06	1.02E-05	7.05E-07	5.94E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.14E-07	5.31E-06	1.02E-05
2,842	8.68E-07	7.41E-06	1.42E-05	7.54E-07	6.53E-06	1.24E-05	4.72E-07	4.21E-06	8.03E-06	6.10E-07	5.36E-06	1.02E-05	7.05E-07	5.93E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.14E-07	5.31E-06	1.02E-05
2,843	8.67E-07	7.41E-06	1.42E-05	7.54E-07	6.53E-06	1.24E-05	4.72E-07	4.21E-06	8.03E-06	6.10E-07	5.36E-06	1.02E-05	7.05E-07	5.93E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.14E-07	5.31E-06	1.02E-05
2,844	8.67E-07	7.41E-06	1.42E-05	7.54E-07	6.53E-06	1.24E-05	4.72E-07	4.21E-06	8.03E-06	6.10E-07	5.36E-06	1.02E-05	7.05E-07	5.93E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.14E-07	5.30E-06	1.02E-05
2,845	8.67E-07	7.40E-06	1.42E-05	7.54E-07	6.53E-06	1.24E-05	4.72E-07	4.21E-06	8.03E-06	6.10E-07	5.36E-06	1.02E-05	7.05E-07	5.93E-06	1.14E-05	7.29E-07	6.29E-06	1.20E-05	6.13E-07	5.30E-06	1.02E-05
2,846	8.66E-07	7.40E-06	1.41E-05	7.54E-07	6.53E-06	1.24E-05	4.72E-07	4.21E-06	8.02E-06	6.10E-07	5.35E-06	1.02E-05	7.04E-07	5.93E-06	1.14E-05	7.28E-07	6.28E-06	1.20E-05	6.13E-07	5.30E-06	1.02E-05
2,847	8.66E-07	7.40E-06	1.41E-05	7.54E-07	6.53E-06	1.24E-05	4.71E-07	4.20E-06	8.02E-06	6.10E-07	5.35E-06	1.02E-05	7.04E-07	5.92E-06	1.14E-05	7.28E-07	6.28E-06	1.20E-05	6.13E-07	5.29E-06	1.02E-05
2,848	8.66E-07	7.40E-06	1.41E-05	7.54E-07	6.52E-06	1.24E-05	4.71E-07	4.20E-06	8.02E-06	6.10E-07	5.35E-06	1.02E-05	7.03E-07	5.92E-06	1.14E-05	7.28E-07	6.28E-06	1.20E-05	6.13E-07	5.29E-06	1.02E-05
2,849	8.66E-07	7.39E-06	1.41E-05	7.54E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.02E-06	6.10E-07	5.35E-06	1.02E-05	7.03E-07	5.92E-06	1.14E-05	7.27E-07	6.28E-06	1.20E-05	6.13E-07	5.29E-06	1.02E-05
2,850	8.65E-07	7.39E-06	1.41E-05	7.53E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.02E-06	6.09E-07	5.35E-06	1.02E-05	7.03E-07	5.91E-06	1.14E-05	7.27E-07	6.28E-06	1.20E-05	6.12E-07	5.29E-06	1.02E-05
2,851	8.65E-07	7.39E-06	1.41E-05	7.53E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.02E-06	6.09E-07	5.34E-06	1.02E-05	7.03E-07	5.91E-06	1.14E-05	7.27E-07	6.27E-06	1.20E-05	6.12E-07	5.29E-06	1.02E-05
2,852	8.65E-07	7.39E-06	1.41E-05	7.53E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.00E-06	6.09E-07	5.34E-06	1.02E-05	7.03E-07	5.90E-06	1.14E-05	7.27E-07	6.27E-06	1.20E-05	6.12E-07	5.29E-06	1.02E-05
2,853	8.65E-07	7.39E-06	1.41E-05	7.53E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.00E-06	6.09E-07	5.34E-06	1.02E-05	7.03E-07	5.90E-06	1.14E-05	7.26E-07	6.27E-06	1.20E-05	6.12E-07	5.29E-06	1.02E-05
2,854	8.64E-07	7.38E-06	1.41E-05	7.53E-07	6.52E-06	1.24E-05	4.71E-07	4.19E-06	8.00E-06	6.09E-07	5.34E-06	1.02E-05	7.02E-07	5.90E-06	1.14E-05	7.26E-07	6.27E-06	1.20E-05	6.12E-07	5.28E-06	1.02E-05
2,855	8.64E-07	7.38E-06	1.41E-05	7.53E-07	6.51E-06	1.24E-05	4.71E-07	4.19E-06	7.99E-06	6.09E-07	5.34E-06	1.02E-05	7.02E-07	5.90E-06	1.14E-05	7.26E-07	6.27E-06	1.20E-05	6.12E-07	5.28E-06	1.02E-05
2,856	8.64E-07	7.37E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.71E-07	4.18E-06	7.99E-06	6.09E-07	5.34E-06	1.02E-05	7.01E-07	5.90E-06	1.14E-05	7.26E-07	6.26E-06	1.20E-05	6.12E-07	5.28E-06	1.02E-05
2,857	8.63E-07	7.37E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.70E-07	4.18E-06	7.99E-06	6.08E-07	5.34E-06	1.02E-05	7.01E-07	5.90E-06	1.14E-05	7.26E-07	6.26E-06	1.20E-05	6.11E-07	5.28E-06	1.02E-05
2,858	8.63E-07	7.37E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.70E-07	4.18E-06	7.98E-06	6.08E-07	5.33E-06	1.02E-05	7.01E-07	5.89E-06	1.14E-05	7.25E-07	6.26E-06	1.20E-05	6.11E-07	5.28E-06	1.01E-05
2,859	8.63E-07	7.37E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.70E-07	4.18E-06	7.98E-06	6.08E-07	5.33E-06	1.02E-05	7.01E-07	5.89E-06	1.14E-05	7.25E-07	6.26E-06	1.20E-05	6.11E-07	5.28E-06	1.01E-05
2,860	8.63E-07	7.37E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.70E-07	4.18E-06	7.98E-06	6.08E-07	5.33E-06	1.02E-05	7.01E-07	5.89E-06	1.14E-05	7.25E-07	6.26E-06	1.20E-05	6.11E-07	5.27E-06	1.01E-05
2,861	8.62E-07	7.36E-06	1.41E-05	7.52E-07	6.51E-06	1.24E-05	4.70E-07	4.18E-06	7.97E-06	6.08E-07	5.33E-06	1.02E-05	7.01E-07	5.89E-06	1.13E-05	7.24E-07	6.25E-06	1.20E-05	6.11E-07	5.27E-06	1.01E-05
2,862	8.61E-07	7.36E-06	1.41E-05	7.51E-07	6.51E-06	1.23E-05	4.70E-07	4.17E-06	7.97E-06	6.08E-07	5.33E-06	1.01E-05	7.01E-07	5.89E-06	1.13E-05	7.23E-07	6.25E-06	1.20E-05	6.11E-07	5.27E-06	1.01E-05
2,863	8.61E-07	7.36E-06	1.41E-05	7.51E-07	6.50E-06	1.23E-05	4.70E-07	4.17E-06	7.96E-06	6.08E-07	5.33E-06	1.01E-05	7.01E-07	5.89E-06	1.13E-05	7.23E-07	6.25E-06	1.20E-05	6.10E-07	5.27E-06	1.01E-05
2,864	8.61E-07	7.36E-06	1.41E-05	7.51E-07	6.50E-06	1.23E-05	4.70E-07	4.17E-06	7.95E-06	6.07E-07	5.32E-06	1.01E-05	7.01E-07	5.88E-06	1.13E-05	7.23E-07	6.25E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,865	8.60E-07	7.36E-06	1.41E-05	7.51E-07	6.50E-06	1.23E-05	4.70E-07	4.17E-06	7.95E-06	6.07E-07	5.32E-06	1.01E-05	7.01E-07	5.88E-06	1.13E-05	7.23E-07	6.24E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,866	8.60E-07	7.36E-06	1.41E-05	7.51E-07	6.50E-06	1.23E-05	4.69E-07	4.17E-06	7.95E-06	6.07E-07	5.32E-06	1.01E-05	7.01E-07	5.88E-06	1.13E-05	7.22E-07	6.24E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,867	8.60E-07	7.35E-06	1.41E-05	7.51E-07	6.50E-06	1.23E-05	4.69E-07	4.16E-06	7.95E-06	6.07E-07	5.32E-06	1.01E-05	7.00E-07	5.88E-06	1.13E-05	7.22E-07	6.24E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,868	8.59E-07	7.35E-06	1.40E-05	7.50E-07	6.50E-06	1.23E-05	4.69E-07	4.16E-06	7.95E-06	6.07E-07	5.32E-06	1.01E-05	7.00E-07	5.87E-06	1.13E-05	7.22E-07	6.23E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,869	8.58E-07	7.35E-06	1.40E-05	7.50E-07	6.50E-06	1.23E-05	4.69E-07	4.16E-06	7.95E-06	6.06E-07	5.31E-06	1.01E-05	6.99E-07	5.87E-06	1.13E-05	7.22E-07	6.23E-06	1.19E-05	6.10E-07	5.26E-06	1.01E-05
2,870	8.58E-07	7.35E-06	1.40E-05	7.50E-07	6.50E-06	1.23E-05	4.69E-07	4.16E-06	7.95E-06	6.05E-07	5.31E-06	1.01E-05	6.99E-07	5.87E-06	1.13E-05	7.22E-07	6.23E-06	1.19E-05	6.09E-07	5.26E-06	1.01E-05
2,871	8.58E-07	7.35E-06	1.40E-05	7.50E-07	6.50E-06	1.23E-05	4.69E-07	4.15E-06	7.94E-06	6.05E-07	5.31E-06	1.01E-05	6.99E-07	5.86E-06	1.13E-05	7.21E-07	6.23E-06	1.19E-05	6.09E-07	5.26E-06	1.01E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,892	8.50E-07	7.29E-06	1.39E-05	7.47E-07	6.44E-06	1.22E-05	4.66E-07	4.11E-06	7.89E-06	6.01E-07	5.26E-06	1.01E-05	6.95E-07	5.82E-06	1.13E-05	7.17E-07	6.19E-06	1.19E-05	6.06E-07	5.23E-06	1.00E-05
2,893	8.50E-07	7.29E-06	1.39E-05	7.47E-07	6.44E-06	1.22E-05	4.66E-07	4.11E-06	7.88E-06	6.01E-07	5.26E-06	1.01E-05	6.95E-07	5.82E-06	1.13E-05	7.17E-07	6.18E-06	1.19E-05	6.06E-07	5.23E-06	1.00E-05
2,894	8.49E-07	7.29E-06	1.39E-05	7.47E-07	6.43E-06	1.22E-05	4.65E-07	4.11E-06	7.88E-06	6.01E-07	5.26E-06	1.01E-05	6.95E-07	5.82E-06	1.13E-05	7.17E-07	6.18E-06	1.19E-05	6.06E-07	5.23E-06	9.99E-06
2,895	8.49E-07	7.29E-06	1.39E-05	7.47E-07	6.43E-06	1.22E-05	4.65E-07	4.11E-06	7.88E-06	6.01E-07	5.26E-06	1.01E-05	6.95E-07	5.81E-06	1.12E-05	7.16E-07	6.18E-06	1.19E-05	6.06E-07	5.23E-06	9.98E-06
2,896	8.48E-07	7.28E-06	1.39E-05	7.46E-07	6.43E-06	1.22E-05	4.65E-07	4.11E-06	7.88E-06	6.00E-07	5.26E-06	1.01E-05	6.94E-07	5.81E-06	1.12E-05	7.16E-07	6.18E-06	1.19E-05	6.06E-07	5.23E-06	9.98E-06
2,897	8.48E-07	7.28E-06	1.39E-05	7.46E-07	6.43E-06	1.22E-05	4.65E-07	4.10E-06	7.88E-06	6.00E-07	5.26E-06	1.01E-05	6.94E-07	5.81E-06	1.12E-05	7.16E-07	6.17E-06	1.19E-05	6.06E-07	5.23E-06	9.98E-06
2,898	8.48E-07	7.28E-06	1.39E-05	7.46E-07	6.42E-06	1.22E-05	4.65E-07	4.10E-06	7.87E-06	6.00E-07	5.26E-06	1.00E-05	6.93E-07	5.81E-06	1.12E-05	7.16E-07	6.17E-06	1.19E-05	6.06E-07	5.23E-06	9.98E-06
2,899	8.47E-07	7.28E-06	1.39E-05	7.46E-07	6.42E-06	1.22E-05	4.64E-07	4.10E-06	7.87E-06	6.00E-07	5.26E-06	1.00E-05	6.93E-07	5.81E-06	1.12E-05	7.16E-07	6.17E-06	1.19E-05	6.06E-07	5.23E-06	9.98E-06
2,900	8.47E-07	7.27E-06	1.39E-05	7.46E-07	6.41E-06	1.22E-05	4.64E-07	4.10E-06	7.86E-06	5.99E-07	5.25E-06	1.00E-05	6.93E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.06E-07	5.22E-06	9.98E-06
2,901	8.47E-07	7.27E-06	1.39E-05	7.46E-07	6.41E-06	1.22E-05	4.64E-07	4.10E-06	7.86E-06	5.99E-07	5.25E-06	1.00E-05	6.93E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.06E-07	5.22E-06	9.98E-06
2,902	8.47E-07	7.26E-06	1.39E-05	7.45E-07	6.41E-06	1.22E-05	4.64E-07	4.10E-06	7.86E-06	5.99E-07	5.25E-06	1.00E-05	6.92E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.06E-07	5.22E-06	9.97E-06
2,903	8.47E-07	7.26E-06	1.39E-05	7.45E-07	6.41E-06	1.22E-05	4.63E-07	4.10E-06	7.86E-06	5.99E-07	5.25E-06	1.00E-05	6.92E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.05E-07	5.22E-06	9.97E-06
2,904	8.47E-07	7.26E-06	1.39E-05	7.45E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.85E-06	5.99E-07	5.25E-06	1.00E-05	6.92E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.05E-07	5.22E-06	9.97E-06
2,905	8.46E-07	7.25E-06	1.39E-05	7.44E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.85E-06	5.98E-07	5.24E-06	1.00E-05	6.92E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.05E-07	5.22E-06	9.97E-06
2,906	8.46E-07	7.25E-06	1.39E-05	7.44E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.85E-06	5.97E-07	5.24E-06	1.00E-05	6.92E-07	5.80E-06	1.12E-05	7.15E-07	6.16E-06	1.18E-05	6.05E-07	5.22E-06	9.97E-06
2,907	8.46E-07	7.25E-06	1.39E-05	7.44E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.84E-06	5.97E-07	5.24E-06	1.00E-05	6.91E-07	5.79E-06	1.12E-05	7.15E-07	6.15E-06	1.18E-05	6.05E-07	5.22E-06	9.97E-06
2,908	8.46E-07	7.25E-06	1.39E-05	7.44E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.84E-06	5.96E-07	5.24E-06	1.00E-05	6.91E-07	5.79E-06	1.12E-05	7.15E-07	6.15E-06	1.18E-05	6.05E-07	5.22E-06	9.96E-06
2,909	8.46E-07	7.25E-06	1.38E-05	7.43E-07	6.41E-06	1.22E-05	4.63E-07	4.09E-06	7.84E-06	5.96E-07	5.24E-06	1.00E-05	6.91E-07	5.79E-06	1.12E-05	7.14E-07	6.15E-06	1.18E-05	6.05E-07	5.22E-06	9.96E-06
2,910	8.45E-07	7.25E-06	1.38E-05	7.43E-07	6.41E-06	1.22E-05	4.63E-07	4.08E-06	7.83E-06	5.96E-07	5.23E-06	1.00E-05	6.91E-07	5.79E-06	1.12E-05	7.14E-07	6.15E-06	1.18E-05	6.05E-07	5.21E-06	9.96E-06
2,911	8.45E-07	7.25E-06	1.38E-05	7.43E-07	6.40E-06	1.22E-05	4.63E-07	4.08E-06	7.83E-06	5.96E-07	5.23E-06	1.00E-05	6.91E-07	5.79E-06	1.12E-05	7.14E-07	6.15E-06	1.18E-05	6.05E-07	5.21E-06	9.96E-06
2,912	8.45E-07	7.25E-06	1.38E-05	7.43E-07	6.40E-06	1.22E-05	4.63E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.99E-06	6.91E-07	5.79E-06	1.12E-05	7.14E-07	6.14E-06	1.18E-05	6.04E-07	5.21E-06	9.96E-06
2,913	8.44E-07	7.24E-06	1.38E-05	7.43E-07	6.40E-06	1.22E-05	4.62E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.99E-06	6.91E-07	5.78E-06	1.12E-05	7.13E-07	6.14E-06	1.18E-05	6.04E-07	5.21E-06	9.96E-06
2,914	8.44E-07	7.24E-06	1.38E-05	7.43E-07	6.40E-06	1.22E-05	4.62E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.98E-06	6.90E-07	5.78E-06	1.12E-05	7.13E-07	6.14E-06	1.18E-05	6.04E-07	5.20E-06	9.96E-06
2,915	8.44E-07	7.24E-06	1.38E-05	7.43E-07	6.39E-06	1.22E-05	4.62E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.98E-06	6.90E-07	5.78E-06	1.12E-05	7.13E-07	6.13E-06	1.18E-05	6.04E-07	5.20E-06	9.95E-06
2,916	8.44E-07	7.23E-06	1.38E-05	7.43E-07	6.39E-06	1.22E-05	4.62E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.97E-06	6.89E-07	5.78E-06	1.12E-05	7.13E-07	6.13E-06	1.18E-05	6.04E-07	5.20E-06	9.95E-06
2,917	8.44E-07	7.23E-06	1.38E-05	7.43E-07	6.39E-06	1.22E-05	4.61E-07	4.08E-06	7.82E-06	5.96E-07	5.23E-06	9.96E-06	6.89E-07	5.78E-06	1.12E-05	7.12E-07	6.13E-06	1.18E-05	6.04E-07	5.20E-06	9.95E-06
2,918	8.43E-07	7.23E-06	1.38E-05	7.42E-07	6.39E-06	1.22E-05	4.61E-07	4.08E-06	7.82E-06	5.96E-07	5.22E-06	9.96E-06	6.88E-07	5.77E-06	1.12E-05	7.12E-07	6.13E-06	1.18E-05	6.04E-07	5.20E-06	9.95E-06
2,919	8.43E-07	7.22E-06	1.38E-05	7.42E-07	6.39E-06	1.22E-05	4.61E-07	4.08E-06	7.81E-06	5.95E-07	5.22E-06	9.96E-06	6.88E-07	5.77E-06	1.12E-05	7.12E-07	6.13E-06	1.18E-05	6.03E-07	5.19E-06	9.94E-06
2,920	8.42E-07	7.22E-06	1.38E-05	7.42E-07	6.39E-06	1.22E-05	4.61E-07	4.07E-06	7.81E-06	5.95E-07	5.22E-06	9.96E-06	6.88E-07	5.77E-06	1.12E-05	7.12E-07	6.13E-06	1.18E-05	6.03E-07	5.19E-06	9.94E-06
2,921	8.42E-07	7.21E-06	1.38E-05	7.42E-07	6.39E-06	1.22E-05	4.61E-07	4.07E-06	7.81E-06	5.95E-07	5.22E-06	9.96E-06	6.87E-07	5.76E-06	1.12E-05	7.12E-07	6.13E-06	1.18E-05	6.03E-07	5.19E-06	9.93E-06
2,922	8.42E-07	7.20E-06	1.38E-05	7.42E-07	6.39E-06	1.21E-05	4.61E-07	4.07E-06	7.80E-06	5.94E-07	5.21E-06	9.96E-06	6.87E-07	5.76E-06	1.12E-05	7.12E-07	6.12E-06	1.18E-05	6.03E-07	5.19E-06	9.92E-06
2,923	8.42E-07	7.20E-06	1.38E-05	7.42E-07	6.37E-06	1.21E-05	4.60E-07	4.07E-06	7.80E-06	5.94E-07	5.21E-06	9.95E-06	6.87E-07	5.76E-06	1.12E-05	7.11E-07	6.12E-06	1.18E-05	6.03E-07	5.18E-06	9.92E-06
2,924	8.41E-07	7.20E-06	1.38E-05	7.42E-07	6.37E-06	1.21E-05	4.60E-07	4.07E-06	7.80E-06	5.94E-07	5.21E-06	9.95E-06	6.87E-07	5.76E-06	1.12E-05	7.11E-07	6.12E-06	1.18E-05	6.03E-07	5.18E-06	9.92E-06
2,925	8.40E-07	7.20E-06	1.38E-05	7.41E-07	6.37E-06	1.21E-05	4.60E-07	4.07E-06	7.80E-06	5.94E-07	5.21E-06	9.94E-06	6.87E-07	5.76E-06	1.12E-05	7.11E-07	6.12E-06	1.18E-05	6.03E-07	5.18E-06	9.92E-06
2,926	8.40E-07	7.20E-06	1.38E-05	7.41E-07	6.36E-06	1.21E-05	4.60E-07	4.06E-06	7.80E-06	5.94E-07	5.21E-06	9.94E-06	6.87E-07	5.75E-06	1.12E-05	7.11E-07	6.12E-06	1.17E-05	6.02E-07	5.18E-06	9.92E-06
2,927	8.39E-07	7.20E-06	1.38E-05	7.41E-07	6.36E-06	1.21E-05	4.60E-07	4.06E-06	7.79E-06	5.93E-07	5.21E-06	9.93E-06	6.87E-07	5.75E-06	1.11E-05	7.11E-07	6.12E-06	1.17E-05	6.02E-07	5.17E-06	9.92E-06
2,928	8.39E-07	7.20E-06	1.38E-05	7.41E-07	6.36E-06	1.21E-05	4.60E-07	4.06E-06	7.79E-06	5.93E-07	5.21E-06	9.93E-06	6.86E-07	5.75E-06	1.11E-05	7.11E-07	6.11E-06	1.17E-05	6.02E-07	5.17E-06	9.91E-06
2,929	8.39E-07	7.20E-06	1.38E-05	7.41E-07	6.35E-06	1.21E-05	4.60E-07	4.06E-06	7.79E-06	5.93E-07	5.20E-06	9.93E-06	6.86E-07	5.75E-06	1.11E-05	7.11E-07	6.11E-06	1.17E-05	6.02E-07	5.17E-06	9.91E-06
2,930	8.39E-07	7.19E-06	1.38E-05	7.41E-07	6.35E-06	1.21E-05	4.60E-07	4.06E-06	7.79E-06	5.93E-07	5.20E-06	9.93E-06	6.86E-07	5.75E-06	1.11E-05	7.10E-07	6.11E-06	1.17E-05	6.02E-07	5.16E-06	9.91E-06
2,931	8.39E-07	7.19E-06	1.38E-05	7.41E-07	6.35E-06	1.21E-05	4.60E-07	4.06E-06	7.79E-06	5.93E-07	5.20E-06	9.93E-06	6.86E-07	5.74E-06	1.11E-05	7.10E-07	6.11E-06	1.17E-05	6.01E-07	5.16E-06	9.90E-06
2,932	8.38E-07	7.19E-06	1.37E-05	7.40E-07	6.35E-06	1.21E-05	4.60E-07	4.06E-06	7.78E-06	5.93E-07	5.19E-06	9.93E-06	6.86E-07	5.74E-06	1.11E-05	7.10E-07	6.11E-06	1.17E-05	6.01E-07	5.16E-06	9.90E-06
2,933	8.38E-07	7.19E-06	1.37E-05	7.40E-07	6.35E-06	1.21E-05	4.59E-07	4.06E-06	7.78E-06	5.93E-07	5.19E-06	9.92E-06	6.85E-07	5.74E-06	1.11E-05	7.09E-07	6.11E-06	1.17E-05	6.01E-07	5.16E-06	9.89E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,954	8.33E-07	7.12E-06	1.37E-05	7.36E-07	6.31E-06	1.21E-05	4.56E-07	4.03E-06	7.73E-06	5.88E-07	5.15E-06	9.86E-06	6.81E-07	5.70E-06	1.11E-05	7.04E-07	6.07E-06	1.17E-05	5.96E-07	5.12E-06	9.84E-06
2,955	8.33E-07	7.12E-06	1.37E-05	7.36E-07	6.30E-06	1.21E-05	4.56E-07	4.03E-06	7.73E-06	5.88E-07	5.15E-06	9.85E-06	6.81E-07	5.70E-06	1.11E-05	7.04E-07	6.07E-06	1.17E-05	5.95E-07	5.12E-06	9.83E-06
2,956	8.33E-07	7.12E-06	1.37E-05	7.36E-07	6.30E-06	1.21E-05	4.56E-07	4.02E-06	7.73E-06	5.88E-07	5.15E-06	9.85E-06	6.81E-07	5.69E-06	1.11E-05	7.04E-07	6.07E-06	1.17E-05	5.95E-07	5.12E-06	9.83E-06
2,957	8.33E-07	7.11E-06	1.36E-05	7.36E-07	6.30E-06	1.21E-05	4.56E-07	4.02E-06	7.72E-06	5.88E-07	5.15E-06	9.85E-06	6.81E-07	5.69E-06	1.11E-05	7.04E-07	6.07E-06	1.17E-05	5.95E-07	5.11E-06	9.83E-06
2,958	8.33E-07	7.11E-06	1.36E-05	7.35E-07	6.30E-06	1.21E-05	4.56E-07	4.02E-06	7.72E-06	5.88E-07	5.15E-06	9.85E-06	6.81E-07	5.69E-06	1.11E-05	7.04E-07	6.07E-06	1.16E-05	5.95E-07	5.11E-06	9.83E-06
2,959	8.33E-07	7.11E-06	1.36E-05	7.35E-07	6.30E-06	1.20E-05	4.56E-07	4.02E-06	7.72E-06	5.87E-07	5.14E-06	9.85E-06	6.81E-07	5.69E-06	1.11E-05	7.04E-07	6.06E-06	1.16E-05	5.95E-07	5.11E-06	9.82E-06
2,960	8.32E-07	7.10E-06	1.36E-05	7.35E-07	6.30E-06	1.20E-05	4.55E-07	4.02E-06	7.72E-06	5.87E-07	5.14E-06	9.84E-06	6.81E-07	5.69E-06	1.10E-05	7.03E-07	6.06E-06	1.16E-05	5.95E-07	5.11E-06	9.82E-06
2,961	8.32E-07	7.10E-06	1.36E-05	7.34E-07	6.30E-06	1.20E-05	4.55E-07	4.02E-06	7.71E-06	5.87E-07	5.14E-06	9.84E-06	6.81E-07	5.69E-06	1.10E-05	7.02E-07	6.05E-06	1.16E-05	5.95E-07	5.11E-06	9.82E-06
2,962	8.32E-07	7.10E-06	1.36E-05	7.33E-07	6.30E-06	1.20E-05	4.54E-07	4.02E-06	7.71E-06	5.87E-07	5.14E-06	9.83E-06	6.81E-07	5.69E-06	1.10E-05	7.02E-07	6.05E-06	1.16E-05	5.95E-07	5.11E-06	9.82E-06
2,963	8.32E-07	7.10E-06	1.36E-05	7.33E-07	6.29E-06	1.20E-05	4.54E-07	4.01E-06	7.71E-06	5.87E-07	5.14E-06	9.83E-06	6.80E-07	5.69E-06	1.10E-05	7.02E-07	6.05E-06	1.16E-05	5.95E-07	5.11E-06	9.81E-06
2,964	8.31E-07	7.09E-06	1.36E-05	7.33E-07	6.28E-06	1.20E-05	4.54E-07	4.01E-06	7.71E-06	5.87E-07	5.13E-06	9.82E-06	6.80E-07	5.68E-06	1.10E-05	7.02E-07	6.04E-06	1.16E-05	5.95E-07	5.10E-06	9.81E-06
2,965	8.31E-07	7.09E-06	1.36E-05	7.33E-07	6.28E-06	1.20E-05	4.54E-07	4.01E-06	7.70E-06	5.87E-07	5.13E-06	9.82E-06	6.80E-07	5.68E-06	1.10E-05	7.02E-07	6.04E-06	1.16E-05	5.95E-07	5.10E-06	9.81E-06
2,966	8.29E-07	7.09E-06	1.36E-05	7.33E-07	6.28E-06	1.20E-05	4.54E-07	4.01E-06	7.70E-06	5.86E-07	5.13E-06	9.80E-06	6.80E-07	5.68E-06	1.10E-05	7.02E-07	6.04E-06	1.16E-05	5.94E-07	5.09E-06	9.81E-06
2,967	8.29E-07	7.08E-06	1.36E-05	7.32E-07	6.27E-06	1.20E-05	4.54E-07	4.00E-06	7.70E-06	5.86E-07	5.13E-06	9.80E-06	6.80E-07	5.68E-06	1.10E-05	7.01E-07	6.04E-06	1.16E-05	5.93E-07	5.09E-06	9.81E-06
2,968	8.29E-07	7.08E-06	1.36E-05	7.32E-07	6.27E-06	1.20E-05	4.54E-07	4.00E-06	7.69E-06	5.86E-07	5.13E-06	9.79E-06	6.80E-07	5.68E-06	1.10E-05	7.01E-07	6.04E-06	1.16E-05	5.93E-07	5.09E-06	9.80E-06
2,969	8.29E-07	7.08E-06	1.36E-05	7.32E-07	6.27E-06	1.20E-05	4.53E-07	4.00E-06	7.69E-06	5.86E-07	5.12E-06	9.79E-06	6.79E-07	5.68E-06	1.10E-05	7.01E-07	6.04E-06	1.16E-05	5.93E-07	5.09E-06	9.79E-06
2,970	8.28E-07	7.08E-06	1.36E-05	7.32E-07	6.27E-06	1.20E-05	4.53E-07	4.00E-06	7.69E-06	5.86E-07	5.12E-06	9.79E-06	6.79E-07	5.67E-06	1.10E-05	7.01E-07	6.03E-06	1.16E-05	5.93E-07	5.09E-06	9.79E-06
2,971	8.28E-07	7.08E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.53E-07	4.00E-06	7.68E-06	5.85E-07	5.12E-06	9.79E-06	6.79E-07	5.67E-06	1.10E-05	7.00E-07	6.03E-06	1.16E-05	5.93E-07	5.09E-06	9.79E-06
2,972	8.28E-07	7.08E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.53E-07	4.00E-06	7.68E-06	5.85E-07	5.12E-06	9.79E-06	6.79E-07	5.67E-06	1.10E-05	7.00E-07	6.03E-06	1.16E-05	5.93E-07	5.08E-06	9.78E-06
2,973	8.27E-07	7.08E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.53E-07	4.00E-06	7.68E-06	5.85E-07	5.12E-06	9.79E-06	6.78E-07	5.67E-06	1.10E-05	7.00E-07	6.03E-06	1.16E-05	5.93E-07	5.08E-06	9.78E-06
2,974	8.27E-07	7.08E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.52E-07	4.00E-06	7.68E-06	5.85E-07	5.12E-06	9.78E-06	6.78E-07	5.67E-06	1.10E-05	7.00E-07	6.03E-06	1.16E-05	5.92E-07	5.08E-06	9.77E-06
2,975	8.27E-07	7.07E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.52E-07	4.00E-06	7.68E-06	5.85E-07	5.12E-06	9.78E-06	6.78E-07	5.67E-06	1.10E-05	7.00E-07	6.02E-06	1.16E-05	5.92E-07	5.08E-06	9.77E-06
2,976	8.26E-07	7.07E-06	1.36E-05	7.31E-07	6.26E-06	1.20E-05	4.52E-07	4.00E-06	7.68E-06	5.85E-07	5.11E-06	9.78E-06	6.78E-07	5.67E-06	1.10E-05	6.99E-07	6.02E-06	1.16E-05	5.92E-07	5.08E-06	9.77E-06
2,977	8.25E-07	7.07E-06	1.36E-05	7.31E-07	6.25E-06	1.20E-05	4.52E-07	3.99E-06	7.67E-06	5.84E-07	5.11E-06	9.78E-06	6.78E-07	5.67E-06	1.10E-05	6.99E-07	6.02E-06	1.16E-05	5.92E-07	5.08E-06	9.76E-06
2,978	8.25E-07	7.07E-06	1.36E-05	7.31E-07	6.25E-06	1.20E-05	4.52E-07	3.99E-06	7.67E-06	5.84E-07	5.10E-06	9.78E-06	6.77E-07	5.67E-06	1.10E-05	6.99E-07	6.02E-06	1.16E-05	5.91E-07	5.08E-06	9.75E-06
2,979	8.25E-07	7.06E-06	1.35E-05	7.30E-07	6.24E-06	1.20E-05	4.52E-07	3.99E-06	7.66E-06	5.84E-07	5.10E-06	9.78E-06	6.77E-07	5.67E-06	1.10E-05	6.99E-07	6.02E-06	1.16E-05	5.91E-07	5.07E-06	9.75E-06
2,980	8.24E-07	7.06E-06	1.35E-05	7.30E-07	6.24E-06	1.20E-05	4.52E-07	3.99E-06	7.66E-06	5.84E-07	5.10E-06	9.77E-06	6.77E-07	5.66E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.91E-07	5.07E-06	9.75E-06
2,981	8.24E-07	7.06E-06	1.35E-05	7.30E-07	6.24E-06	1.20E-05	4.52E-07	3.99E-06	7.65E-06	5.84E-07	5.10E-06	9.77E-06	6.77E-07	5.66E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.91E-07	5.07E-06	9.75E-06
2,982	8.24E-07	7.05E-06	1.35E-05	7.30E-07	6.24E-06	1.20E-05	4.52E-07	3.99E-06	7.65E-06	5.83E-07	5.10E-06	9.77E-06	6.76E-07	5.66E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.90E-07	5.07E-06	9.75E-06
2,983	8.24E-07	7.05E-06	1.35E-05	7.30E-07	6.24E-06	1.20E-05	4.52E-07	3.99E-06	7.64E-06	5.83E-07	5.10E-06	9.77E-06	6.75E-07	5.65E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.90E-07	5.07E-06	9.74E-06
2,984	8.23E-07	7.04E-06	1.35E-05	7.30E-07	6.23E-06	1.20E-05	4.52E-07	3.99E-06	7.64E-06	5.83E-07	5.10E-06	9.77E-06	6.75E-07	5.65E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.90E-07	5.07E-06	9.73E-06
2,985	8.23E-07	7.04E-06	1.35E-05	7.30E-07	6.23E-06	1.20E-05	4.52E-07	3.98E-06	7.64E-06	5.83E-07	5.09E-06	9.77E-06	6.75E-07	5.64E-06	1.10E-05	6.99E-07	6.01E-06	1.16E-05	5.90E-07	5.07E-06	9.73E-06
2,986	8.23E-07	7.04E-06	1.35E-05	7.30E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.64E-06	5.83E-07	5.09E-06	9.77E-06	6.74E-07	5.64E-06	1.10E-05	6.98E-07	6.01E-06	1.16E-05	5.90E-07	5.07E-06	9.73E-06
2,987	8.21E-07	7.04E-06	1.35E-05	7.29E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.63E-06	5.82E-07	5.09E-06	9.76E-06	6.74E-07	5.64E-06	1.10E-05	6.98E-07	6.01E-06	1.16E-05	5.89E-07	5.07E-06	9.72E-06
2,988	8.21E-07	7.04E-06	1.35E-05	7.29E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.63E-06	5.82E-07	5.09E-06	9.76E-06	6.74E-07	5.64E-06	1.10E-05	6.98E-07	6.00E-06	1.16E-05	5.89E-07	5.07E-06	9.72E-06
2,989	8.21E-07	7.04E-06	1.35E-05	7.29E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.63E-06	5.82E-07	5.09E-06	9.76E-06	6.74E-07	5.64E-06	1.09E-05	6.98E-07	6.00E-06	1.15E-05	5.89E-07	5.07E-06	9.72E-06
2,990	8.20E-07	7.04E-06	1.35E-05	7.29E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.63E-06	5.82E-07	5.09E-06	9.76E-06	6.73E-07	5.64E-06	1.09E-05	6.97E-07	5.99E-06	1.15E-05	5.89E-07	5.07E-06	9.72E-06
2,991	8.20E-07	7.04E-06	1.35E-05	7.28E-07	6.23E-06	1.20E-05	4.51E-07	3.98E-06	7.63E-06	5.82E-07	5.08E-06	9.75E-06	6.73E-07	5.63E-06	1.09E-05	6.97E-07	5.99E-06	1.15E-05	5.89E-07	5.07E-06	9.71E-06
2,992	8.20E-07	7.03E-06	1.35E-05	7.28E-07	6.23E-06	1.19E-05	4.51E-07	3.97E-06	7.62E-06	5.81E-07	5.08E-06	9.75E-06	6.73E-07	5.62E-06	1.09E-05	6.97E-07	5.99E-06	1.15E-05	5.89E-07	5.06E-06	9.71E-06
2,993	8.19E-07	7.03E-06	1.35E-05	7.28E-07	6.23E-06	1.19E-05	4.51E-07	3.97E-06	7.62E-06	5.81E-07	5.08E-06	9.74E-06	6.72E-07	5.62E-06	1.09E-05	6.97E-07	5.98E-06	1.15E-05	5.89E-07	5.06E-06	9.71E-06
2,994	8.19E-07	7.03E-06	1.35E-05	7.28E-07	6.22E-06	1.19E-05	4.50E-07	3.97E-06	7.62E-06	5.81E-07	5.08E-06	9.74E-06	6.72E-07	5.62E-06	1.09E-05	6.97E-07	5.98E-06	1.15E-05	5.89E-07	5.06E-06	9.71E-06
2,995	8.19E-07	7.03E-06	1.35E-05	7.28E-07	6.22E-06	1.19E-05	4.50E-07	3.97E-06	7.62E-06	5.81E-07	5.08E-06	9.73E-06	6.72E-07	5.62E-06	1.09E-05	6.97E-07	5.98E-06	1.15E-05	5.89E-07	5.06E-06	9.71E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,016	8.16E-07	6.99E-06	1.34E-05	7.23E-07	6.17E-06	1.19E-05	4.48E-07	3.95E-06	7.56E-06	5.75E-07	5.03E-06	9.69E-06	6.67E-07	5.58E-06	1.09E-05	6.92E-07	5.95E-06	1.15E-05	5.85E-07	5.03E-06	9.62E-06
3,017	8.15E-07	6.99E-06	1.34E-05	7.23E-07	6.17E-06	1.19E-05	4.48E-07	3.95E-06	7.56E-06	5.75E-07	5.03E-06	9.69E-06	6.67E-07	5.58E-06	1.09E-05	6.92E-07	5.95E-06	1.15E-05	5.85E-07	5.03E-06	9.62E-06
3,018	8.15E-07	6.99E-06	1.34E-05	7.23E-07	6.17E-06	1.19E-05	4.48E-07	3.95E-06	7.55E-06	5.75E-07	5.03E-06	9.68E-06	6.67E-07	5.58E-06	1.09E-05	6.92E-07	5.95E-06	1.15E-05	5.85E-07	5.03E-06	9.61E-06
3,019	8.15E-07	6.98E-06	1.34E-05	7.22E-07	6.17E-06	1.19E-05	4.47E-07	3.94E-06	7.55E-06	5.75E-07	5.03E-06	9.68E-06	6.67E-07	5.58E-06	1.09E-05	6.91E-07	5.95E-06	1.15E-05	5.85E-07	5.02E-06	9.61E-06
3,020	8.14E-07	6.98E-06	1.34E-05	7.22E-07	6.17E-06	1.19E-05	4.47E-07	3.94E-06	7.54E-06	5.75E-07	5.03E-06	9.67E-06	6.67E-07	5.57E-06	1.08E-05	6.91E-07	5.94E-06	1.15E-05	5.85E-07	5.02E-06	9.61E-06
3,021	8.14E-07	6.98E-06	1.34E-05	7.22E-07	6.16E-06	1.19E-05	4.47E-07	3.94E-06	7.54E-06	5.74E-07	5.02E-06	9.67E-06	6.67E-07	5.57E-06	1.08E-05	6.91E-07	5.94E-06	1.15E-05	5.85E-07	5.02E-06	9.61E-06
3,022	8.14E-07	6.98E-06	1.34E-05	7.21E-07	6.16E-06	1.19E-05	4.46E-07	3.94E-06	7.53E-06	5.74E-07	5.02E-06	9.66E-06	6.67E-07	5.57E-06	1.08E-05	6.91E-07	5.94E-06	1.15E-05	5.85E-07	5.02E-06	9.61E-06
3,023	8.14E-07	6.98E-06	1.34E-05	7.21E-07	6.16E-06	1.19E-05	4.46E-07	3.94E-06	7.53E-06	5.74E-07	5.02E-06	9.66E-06	6.67E-07	5.56E-06	1.08E-05	6.91E-07	5.94E-06	1.15E-05	5.85E-07	5.02E-06	9.61E-06
3,024	8.14E-07	6.97E-06	1.34E-05	7.21E-07	6.16E-06	1.19E-05	4.46E-07	3.94E-06	7.52E-06	5.74E-07	5.02E-06	9.66E-06	6.66E-07	5.56E-06	1.08E-05	6.91E-07	5.93E-06	1.14E-05	5.85E-07	5.02E-06	9.60E-06
3,025	8.14E-07	6.97E-06	1.34E-05	7.21E-07	6.15E-06	1.18E-05	4.46E-07	3.94E-06	7.52E-06	5.74E-07	5.01E-06	9.66E-06	6.66E-07	5.56E-06	1.08E-05	6.91E-07	5.93E-06	1.14E-05	5.84E-07	5.02E-06	9.60E-06
3,026	8.14E-07	6.97E-06	1.34E-05	7.20E-07	6.15E-06	1.18E-05	4.46E-07	3.93E-06	7.52E-06	5.73E-07	5.01E-06	9.66E-06	6.65E-07	5.56E-06	1.08E-05	6.90E-07	5.93E-06	1.14E-05	5.84E-07	5.01E-06	9.60E-06
3,027	8.12E-07	6.97E-06	1.34E-05	7.20E-07	6.15E-06	1.18E-05	4.46E-07	3.93E-06	7.52E-06	5.73E-07	5.01E-06	9.65E-06	6.65E-07	5.56E-06	1.08E-05	6.90E-07	5.93E-06	1.14E-05	5.84E-07	5.01E-06	9.59E-06
3,028	8.12E-07	6.97E-06	1.34E-05	7.20E-07	6.15E-06	1.18E-05	4.46E-07	3.93E-06	7.51E-06	5.73E-07	5.01E-06	9.65E-06	6.65E-07	5.56E-06	1.08E-05	6.90E-07	5.93E-06	1.14E-05	5.83E-07	5.01E-06	9.59E-06
3,029	8.12E-07	6.96E-06	1.33E-05	7.20E-07	6.15E-06	1.18E-05	4.46E-07	3.93E-06	7.51E-06	5.73E-07	5.01E-06	9.65E-06	6.65E-07	5.56E-06	1.08E-05	6.89E-07	5.93E-06	1.14E-05	5.83E-07	5.01E-06	9.59E-06
3,030	8.11E-07	6.96E-06	1.33E-05	7.19E-07	6.14E-06	1.18E-05	4.46E-07	3.93E-06	7.51E-06	5.73E-07	5.01E-06	9.65E-06	6.64E-07	5.56E-06	1.08E-05	6.89E-07	5.93E-06	1.14E-05	5.83E-07	5.01E-06	9.59E-06
3,031	8.11E-07	6.96E-06	1.33E-05	7.19E-07	6.14E-06	1.18E-05	4.45E-07	3.93E-06	7.51E-06	5.73E-07	5.01E-06	9.65E-06	6.64E-07	5.56E-06	1.08E-05	6.89E-07	5.92E-06	1.14E-05	5.83E-07	5.01E-06	9.59E-06
3,032	8.11E-07	6.96E-06	1.33E-05	7.18E-07	6.14E-06	1.18E-05	4.45E-07	3.93E-06	7.50E-06	5.73E-07	5.00E-06	9.64E-06	6.64E-07	5.55E-06	1.08E-05	6.88E-07	5.92E-06	1.14E-05	5.83E-07	5.01E-06	9.58E-06
3,033	8.11E-07	6.96E-06	1.33E-05	7.18E-07	6.14E-06	1.18E-05	4.45E-07	3.93E-06	7.50E-06	5.72E-07	5.00E-06	9.64E-06	6.64E-07	5.55E-06	1.08E-05	6.88E-07	5.92E-06	1.14E-05	5.82E-07	5.00E-06	9.58E-06
3,034	8.11E-07	6.95E-06	1.33E-05	7.18E-07	6.14E-06	1.18E-05	4.45E-07	3.93E-06	7.49E-06	5.72E-07	5.00E-06	9.64E-06	6.64E-07	5.55E-06	1.08E-05	6.88E-07	5.92E-06	1.14E-05	5.82E-07	5.00E-06	9.58E-06
3,035	8.11E-07	6.95E-06	1.33E-05	7.17E-07	6.14E-06	1.18E-05	4.45E-07	3.92E-06	7.49E-06	5.72E-07	5.00E-06	9.64E-06	6.63E-07	5.55E-06	1.08E-05	6.88E-07	5.92E-06	1.14E-05	5.82E-07	5.00E-06	9.58E-06
3,036	8.10E-07	6.95E-06	1.33E-05	7.17E-07	6.14E-06	1.18E-05	4.45E-07	3.92E-06	7.49E-06	5.72E-07	5.00E-06	9.63E-06	6.63E-07	5.55E-06	1.08E-05	6.88E-07	5.92E-06	1.14E-05	5.82E-07	5.00E-06	9.57E-06
3,037	8.10E-07	6.95E-06	1.33E-05	7.17E-07	6.14E-06	1.18E-05	4.45E-07	3.92E-06	7.49E-06	5.72E-07	5.00E-06	9.63E-06	6.63E-07	5.55E-06	1.08E-05	6.88E-07	5.91E-06	1.14E-05	5.82E-07	5.00E-06	9.57E-06
3,038	8.09E-07	6.94E-06	1.33E-05	7.17E-07	6.14E-06	1.18E-05	4.45E-07	3.92E-06	7.49E-06	5.71E-07	4.99E-06	9.63E-06	6.63E-07	5.55E-06	1.08E-05	6.88E-07	5.91E-06	1.14E-05	5.82E-07	5.00E-06	9.57E-06
3,039	8.09E-07	6.94E-06	1.33E-05	7.17E-07	6.13E-06	1.18E-05	4.45E-07	3.92E-06	7.48E-06	5.71E-07	4.99E-06	9.63E-06	6.63E-07	5.54E-06	1.08E-05	6.88E-07	5.91E-06	1.14E-05	5.82E-07	5.00E-06	9.56E-06
3,040	8.09E-07	6.94E-06	1.33E-05	7.17E-07	6.13E-06	1.18E-05	4.45E-07	3.92E-06	7.48E-06	5.71E-07	4.99E-06	9.62E-06	6.62E-07	5.54E-06	1.08E-05	6.87E-07	5.91E-06	1.14E-05	5.81E-07	5.00E-06	9.56E-06
3,041	8.08E-07	6.94E-06	1.33E-05	7.16E-07	6.13E-06	1.18E-05	4.45E-07	3.92E-06	7.48E-06	5.70E-07	4.98E-06	9.62E-06	6.62E-07	5.54E-06	1.08E-05	6.87E-07	5.90E-06	1.14E-05	5.81E-07	4.99E-06	9.56E-06
3,042	8.08E-07	6.94E-06	1.33E-05	7.16E-07	6.13E-06	1.18E-05	4.45E-07	3.92E-06	7.47E-06	5.70E-07	4.98E-06	9.62E-06	6.62E-07	5.54E-06	1.08E-05	6.87E-07	5.90E-06	1.14E-05	5.81E-07	4.99E-06	9.56E-06
3,043	8.08E-07	6.94E-06	1.33E-05	7.16E-07	6.13E-06	1.18E-05	4.45E-07	3.92E-06	7.47E-06	5.70E-07	4.98E-06	9.62E-06	6.61E-07	5.54E-06	1.08E-05	6.87E-07	5.90E-06	1.14E-05	5.81E-07	4.99E-06	9.56E-06
3,044	8.08E-07	6.93E-06	1.33E-05	7.16E-07	6.12E-06	1.18E-05	4.45E-07	3.92E-06	7.47E-06	5.70E-07	4.98E-06	9.62E-06	6.61E-07	5.54E-06	1.08E-05	6.87E-07	5.90E-06	1.14E-05	5.80E-07	4.99E-06	9.56E-06
3,045	8.08E-07	6.93E-06	1.33E-05	7.16E-07	6.11E-06	1.18E-05	4.45E-07	3.91E-06	7.47E-06	5.70E-07	4.98E-06	9.61E-06	6.61E-07	5.54E-06	1.08E-05	6.87E-07	5.89E-06	1.14E-05	5.80E-07	4.98E-06	9.55E-06
3,046	8.08E-07	6.93E-06	1.33E-05	7.16E-07	6.11E-06	1.18E-05	4.45E-07	3.91E-06	7.46E-06	5.70E-07	4.98E-06	9.61E-06	6.61E-07	5.53E-06	1.08E-05	6.87E-07	5.89E-06	1.14E-05	5.79E-07	4.98E-06	9.54E-06
3,047	8.07E-07	6.92E-06	1.33E-05	7.16E-07	6.11E-06	1.18E-05	4.44E-07	3.91E-06	7.46E-06	5.69E-07	4.97E-06	9.61E-06	6.61E-07	5.53E-06	1.08E-05	6.86E-07	5.89E-06	1.14E-05	5.79E-07	4.98E-06	9.54E-06
3,048	8.07E-07	6.92E-06	1.33E-05	7.16E-07	6.11E-06	1.18E-05	4.44E-07	3.91E-06	7.46E-06	5.69E-07	4.97E-06	9.60E-06	6.61E-07	5.53E-06	1.08E-05	6.86E-07	5.89E-06	1.14E-05	5.79E-07	4.98E-06	9.53E-06
3,049	8.07E-07	6.92E-06	1.33E-05	7.16E-07	6.11E-06	1.18E-05	4.44E-07	3.91E-06	7.45E-06	5.69E-07	4.97E-06	9.60E-06	6.59E-07	5.53E-06	1.08E-05	6.86E-07	5.89E-06	1.14E-05	5.78E-07	4.97E-06	9.53E-06
3,050	8.07E-07	6.91E-06	1.33E-05	7.15E-07	6.11E-06	1.18E-05	4.44E-07	3.90E-06	7.45E-06	5.69E-07	4.97E-06	9.60E-06	6.59E-07	5.53E-06	1.08E-05	6.86E-07	5.88E-06	1.14E-05	5.78E-07	4.97E-06	9.52E-06
3,051	8.06E-07	6.91E-06	1.33E-05	7.15E-07	6.11E-06	1.18E-05	4.44E-07	3.90E-06	7.45E-06	5.69E-07	4.97E-06	9.59E-06	6.59E-07	5.52E-06	1.08E-05	6.86E-07	5.88E-06	1.14E-05	5.78E-07	4.97E-06	9.51E-06
3,052	8.06E-07	6.91E-06	1.33E-05	7.15E-07	6.10E-06	1.18E-05	4.44E-07	3.90E-06	7.45E-06	5.69E-07	4.97E-06	9.59E-06	6.59E-07	5.52E-06	1.08E-05	6.85E-07	5.88E-06	1.14E-05	5.78E-07	4.97E-06	9.51E-06
3,053	8.06E-07	6.91E-06	1.33E-05	7.15E-07	6.10E-06	1.18E-05	4.44E-07	3.90E-06	7.44E-06	5.68E-07	4.97E-06	9.59E-06	6.59E-07	5.52E-06	1.07E-05	6.85E-07	5.88E-06	1.14E-05	5.78E-07	4.97E-06	9.51E-06
3,054	8.06E-07	6.91E-06	1.33E-05	7.15E-07	6.10E-06	1.18E-05	4.44E-07	3.90E-06	7.44E-06	5.68E-07	4.97E-06	9.58E-06	6.59E-07	5.52E-06	1.07E-05	6.85E-07	5.87E-06	1.14E-05	5.78E-07	4.96E-06	9.51E-06
3,055	8.06E-07	6.91E-06	1.33E-05	7.15E-07	6.10E-06	1.18E-05	4.44E-07	3.90E-06	7.44E-06	5.68E-07	4.97E-06	9.58E-06	6.59E-07	5.52E-06	1.07E-05	6.85E-07	5.87E-06	1.14E-05	5.78E-07	4.96E-06	9.51E-06
3,056	8.06E-07	6.91E-06	1.33E-05	7.14E-07	6.10E-06	1.18E-05	4.43E-07	3.90E-06	7.43E-06	5.68E-07	4.96E-06	9.58E-06	6.58E-07	5.51E-06	1.07E-05	6.85E-07	5.87E-06	1.14E-05	5.77E-07	4.96E-06	9.51E-06
3,057	8.06E-07	6.90E-06	1.33E-05	7.13E-07	6.09E-06	1.18E-05	4.43E-07	3.90E-06	7.43E-06	5.67E-07	4.96E-06	9.58E-06	6.58E-07	5.51E-06	1.07E-05	6.85E-07	5.86E-06	1.14E-05	5.77E-07	4.96E-06	9.51E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,078	8.01E-07	6.85E-06	1.32E-05	7.08E-07	6.02E-06	1.17E-05	4.41E-07	3.87E-06	7.37E-06	5.63E-07	4.92E-06	9.50E-06	6.54E-07	5.49E-06	1.07E-05	6.81E-07	5.82E-06	1.13E-05	5.73E-07	4.92E-06	9.46E-06
3,079	8.00E-07	6.85E-06	1.32E-05	7.08E-07	6.02E-06	1.17E-05	4.41E-07	3.87E-06	7.37E-06	5.63E-07	4.92E-06	9.50E-06	6.54E-07	5.48E-06	1.07E-05	6.81E-07	5.82E-06	1.13E-05	5.72E-07	4.92E-06	9.45E-06
3,080	8.00E-07	6.85E-06	1.32E-05	7.08E-07	6.02E-06	1.17E-05	4.41E-07	3.87E-06	7.37E-06	5.63E-07	4.92E-06	9.50E-06	6.54E-07	5.48E-06	1.07E-05	6.81E-07	5.82E-06	1.13E-05	5.72E-07	4.92E-06	9.45E-06
3,081	8.00E-07	6.84E-06	1.32E-05	7.08E-07	6.01E-06	1.17E-05	4.40E-07	3.86E-06	7.37E-06	5.63E-07	4.91E-06	9.50E-06	6.54E-07	5.48E-06	1.07E-05	6.81E-07	5.82E-06	1.13E-05	5.72E-07	4.92E-06	9.45E-06
3,082	7.99E-07	6.84E-06	1.32E-05	7.08E-07	6.01E-06	1.17E-05	4.40E-07	3.86E-06	7.37E-06	5.63E-07	4.91E-06	9.50E-06	6.54E-07	5.48E-06	1.07E-05	6.80E-07	5.82E-06	1.13E-05	5.72E-07	4.92E-06	9.45E-06
3,083	7.99E-07	6.84E-06	1.32E-05	7.08E-07	6.01E-06	1.16E-05	4.40E-07	3.86E-06	7.36E-06	5.62E-07	4.91E-06	9.49E-06	6.54E-07	5.48E-06	1.07E-05	6.80E-07	5.82E-06	1.13E-05	5.72E-07	4.91E-06	9.44E-06
3,084	7.98E-07	6.84E-06	1.32E-05	7.07E-07	6.01E-06	1.16E-05	4.40E-07	3.86E-06	7.36E-06	5.62E-07	4.91E-06	9.49E-06	6.54E-07	5.48E-06	1.07E-05	6.80E-07	5.81E-06	1.13E-05	5.72E-07	4.91E-06	9.43E-06
3,085	7.98E-07	6.84E-06	1.32E-05	7.07E-07	6.00E-06	1.16E-05	4.40E-07	3.86E-06	7.36E-06	5.62E-07	4.91E-06	9.49E-06	6.54E-07	5.47E-06	1.07E-05	6.80E-07	5.81E-06	1.13E-05	5.71E-07	4.91E-06	9.43E-06
3,086	7.98E-07	6.84E-06	1.32E-05	7.07E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.36E-06	5.62E-07	4.90E-06	9.49E-06	6.54E-07	5.47E-06	1.06E-05	6.80E-07	5.81E-06	1.12E-05	5.71E-07	4.90E-06	9.43E-06
3,087	7.97E-07	6.84E-06	1.32E-05	7.07E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.36E-06	5.61E-07	4.90E-06	9.48E-06	6.53E-07	5.47E-06	1.06E-05	6.79E-07	5.81E-06	1.12E-05	5.71E-07	4.90E-06	9.43E-06
3,088	7.97E-07	6.84E-06	1.32E-05	7.07E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.35E-06	5.61E-07	4.90E-06	9.47E-06	6.52E-07	5.47E-06	1.06E-05	6.79E-07	5.80E-06	1.12E-05	5.70E-07	4.90E-06	9.42E-06
3,089	7.97E-07	6.84E-06	1.31E-05	7.07E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.34E-06	5.61E-07	4.90E-06	9.47E-06	6.52E-07	5.47E-06	1.06E-05	6.79E-07	5.80E-06	1.12E-05	5.70E-07	4.90E-06	9.42E-06
3,090	7.97E-07	6.83E-06	1.31E-05	7.06E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.34E-06	5.61E-07	4.90E-06	9.47E-06	6.52E-07	5.47E-06	1.06E-05	6.79E-07	5.79E-06	1.12E-05	5.70E-07	4.90E-06	9.41E-06
3,091	7.96E-07	6.83E-06	1.31E-05	7.06E-07	6.00E-06	1.16E-05	4.40E-07	3.85E-06	7.34E-06	5.61E-07	4.89E-06	9.47E-06	6.52E-07	5.46E-06	1.06E-05	6.79E-07	5.79E-06	1.12E-05	5.70E-07	4.90E-06	9.41E-06
3,092	7.96E-07	6.83E-06	1.31E-05	7.06E-07	6.00E-06	1.16E-05	4.39E-07	3.85E-06	7.34E-06	5.60E-07	4.89E-06	9.47E-06	6.52E-07	5.45E-06	1.06E-05	6.78E-07	5.79E-06	1.12E-05	5.70E-07	4.90E-06	9.41E-06
3,093	7.96E-07	6.83E-06	1.31E-05	7.06E-07	5.99E-06	1.16E-05	4.39E-07	3.84E-06	7.34E-06	5.60E-07	4.89E-06	9.46E-06	6.52E-07	5.45E-06	1.06E-05	6.78E-07	5.79E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,094	7.96E-07	6.83E-06	1.31E-05	7.05E-07	5.99E-06	1.16E-05	4.39E-07	3.84E-06	7.34E-06	5.60E-07	4.89E-06	9.46E-06	6.51E-07	5.45E-06	1.06E-05	6.78E-07	5.79E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,095	7.96E-07	6.83E-06	1.31E-05	7.05E-07	5.99E-06	1.16E-05	4.39E-07	3.84E-06	7.34E-06	5.60E-07	4.89E-06	9.46E-06	6.51E-07	5.45E-06	1.06E-05	6.78E-07	5.79E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,096	7.96E-07	6.83E-06	1.31E-05	7.05E-07	5.99E-06	1.16E-05	4.39E-07	3.84E-06	7.33E-06	5.60E-07	4.89E-06	9.45E-06	6.51E-07	5.45E-06	1.06E-05	6.78E-07	5.79E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,097	7.96E-07	6.83E-06	1.31E-05	7.05E-07	5.99E-06	1.16E-05	4.39E-07	3.84E-06	7.32E-06	5.60E-07	4.89E-06	9.45E-06	6.50E-07	5.44E-06	1.06E-05	6.77E-07	5.79E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,098	7.96E-07	6.83E-06	1.31E-05	7.05E-07	5.98E-06	1.16E-05	4.39E-07	3.83E-06	7.32E-06	5.59E-07	4.88E-06	9.44E-06	6.50E-07	5.44E-06	1.06E-05	6.77E-07	5.78E-06	1.12E-05	5.69E-07	4.89E-06	9.40E-06
3,099	7.96E-07	6.82E-06	1.31E-05	7.05E-07	5.98E-06	1.16E-05	4.39E-07	3.83E-06	7.32E-06	5.59E-07	4.88E-06	9.44E-06	6.50E-07	5.44E-06	1.06E-05	6.77E-07	5.78E-06	1.12E-05	5.68E-07	4.89E-06	9.39E-06
3,100	7.95E-07	6.81E-06	1.31E-05	7.05E-07	5.97E-06	1.16E-05	4.39E-07	3.83E-06	7.32E-06	5.59E-07	4.88E-06	9.44E-06	6.50E-07	5.44E-06	1.06E-05	6.77E-07	5.78E-06	1.12E-05	5.68E-07	4.89E-06	9.38E-06
3,101	7.95E-07	6.81E-06	1.31E-05	7.05E-07	5.97E-06	1.16E-05	4.39E-07	3.83E-06	7.31E-06	5.59E-07	4.88E-06	9.44E-06	6.50E-07	5.44E-06	1.06E-05	6.77E-07	5.78E-06	1.12E-05	5.68E-07	4.89E-06	9.38E-06
3,102	7.95E-07	6.81E-06	1.31E-05	7.05E-07	5.97E-06	1.16E-05	4.39E-07	3.83E-06	7.31E-06	5.58E-07	4.88E-06	9.44E-06	6.49E-07	5.43E-06	1.06E-05	6.77E-07	5.78E-06	1.12E-05	5.68E-07	4.89E-06	9.38E-06
3,103	7.95E-07	6.81E-06	1.31E-05	7.05E-07	5.97E-06	1.16E-05	4.39E-07	3.83E-06	7.31E-06	5.58E-07	4.88E-06	9.43E-06	6.49E-07	5.43E-06	1.06E-05	6.76E-07	5.77E-06	1.12E-05	5.68E-07	4.89E-06	9.38E-06
3,104	7.95E-07	6.80E-06	1.31E-05	7.04E-07	5.97E-06	1.16E-05	4.38E-07	3.83E-06	7.31E-06	5.58E-07	4.88E-06	9.43E-06	6.49E-07	5.43E-06	1.06E-05	6.76E-07	5.77E-06	1.12E-05	5.68E-07	4.88E-06	9.37E-06
3,105	7.94E-07	6.80E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.38E-07	3.83E-06	7.31E-06	5.58E-07	4.88E-06	9.43E-06	6.49E-07	5.43E-06	1.06E-05	6.75E-07	5.77E-06	1.12E-05	5.67E-07	4.88E-06	9.36E-06
3,106	7.94E-07	6.80E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.38E-07	3.83E-06	7.31E-06	5.58E-07	4.88E-06	9.43E-06	6.49E-07	5.43E-06	1.06E-05	6.75E-07	5.77E-06	1.12E-05	5.67E-07	4.88E-06	9.36E-06
3,107	7.94E-07	6.80E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.38E-07	3.83E-06	7.29E-06	5.58E-07	4.87E-06	9.43E-06	6.49E-07	5.43E-06	1.06E-05	6.75E-07	5.76E-06	1.12E-05	5.67E-07	4.88E-06	9.35E-06
3,108	7.94E-07	6.80E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.38E-07	3.82E-06	7.29E-06	5.57E-07	4.87E-06	9.43E-06	6.48E-07	5.43E-06	1.06E-05	6.75E-07	5.76E-06	1.12E-05	5.67E-07	4.88E-06	9.35E-06
3,109	7.93E-07	6.79E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.38E-07	3.82E-06	7.28E-06	5.57E-07	4.87E-06	9.42E-06	6.48E-07	5.43E-06	1.06E-05	6.75E-07	5.76E-06	1.12E-05	5.67E-07	4.87E-06	9.35E-06
3,110	7.93E-07	6.79E-06	1.31E-05	7.03E-07	5.96E-06	1.16E-05	4.37E-07	3.82E-06	7.28E-06	5.57E-07	4.87E-06	9.42E-06	6.48E-07	5.43E-06	1.06E-05	6.75E-07	5.75E-06	1.12E-05	5.67E-07	4.87E-06	9.34E-06
3,111	7.93E-07	6.78E-06	1.31E-05	7.02E-07	5.95E-06	1.16E-05	4.37E-07	3.82E-06	7.28E-06	5.57E-07	4.87E-06	9.42E-06	6.48E-07	5.43E-06	1.06E-05	6.75E-07	5.75E-06	1.12E-05	5.66E-07	4.87E-06	9.34E-06
3,112	7.93E-07	6.78E-06	1.31E-05	7.02E-07	5.94E-06	1.16E-05	4.37E-07	3.82E-06	7.28E-06	5.57E-07	4.87E-06	9.42E-06	6.48E-07	5.43E-06	1.06E-05	6.75E-07	5.75E-06	1.12E-05	5.66E-07	4.87E-06	9.34E-06
3,113	7.93E-07	6.78E-06	1.31E-05	7.02E-07	5.94E-06	1.16E-05	4.37E-07	3.82E-06	7.28E-06	5.57E-07	4.86E-06	9.42E-06	6.48E-07	5.42E-06	1.06E-05	6.75E-07	5.75E-06	1.12E-05	5.66E-07	4.87E-06	9.34E-06
3,114	7.92E-07	6.77E-06	1.30E-05	7.01E-07	5.94E-06	1.16E-05	4.37E-07	3.82E-06	7.27E-06	5.56E-07	4.86E-06	9.42E-06	6.47E-07	5.42E-06	1.06E-05	6.74E-07	5.75E-06	1.12E-05	5.66E-07	4.87E-06	9.33E-06
3,115	7.92E-07	6.77E-06	1.30E-05	7.01E-07	5.94E-06	1.15E-05	4.37E-07	3.82E-06	7.27E-06	5.56E-07	4.86E-06	9.42E-06	6.47E-07	5.42E-06	1.06E-05	6.74E-07	5.75E-06	1.12E-05	5.66E-07	4.87E-06	9.33E-06
3,116	7.92E-07	6.77E-06	1.30E-05	7.01E-07	5.94E-06	1.15E-05	4.37E-07	3.81E-06	7.27E-06	5.56E-07	4.86E-06	9.41E-06	6.47E-07	5.41E-06	1.06E-05	6.74E-07	5.74E-06	1.12E-05	5.66E-07	4.87E-06	9.33E-06
3,117	7.92E-07	6.77E-06	1.30E-05	7.01E-07	5.94E-06	1.15E-05	4.37E-07	3.81E-06	7.27E-06	5.56E-07	4.86E-06	9.41E-06	6.47E-07	5.41E-06	1.06E-05	6.74E-07	5.74E-06	1.12E-05	5.66E-07	4.87E-06	9.33E-06
3,118	7.92E-07	6.77E-06	1.30E-05	7.01E-07	5.93E-06	1.15E-05	4.36E-07	3.81E-06	7.27E-06	5.55E-07	4.86E-06	9.40E-06	6.47E-07	5.41E-06	1.06E-05	6.74E-07	5.74E-06	1.12E-05	5.66E-07	4.87E-06	9.32E-06
3,119	7.92E-07	6.76E-06	1.30E-05	7.00E-07	5.93E-06	1.15E-05	4.36E-07	3.81E-06	7.27E-06	5.55E-07	4.86E-06	9.40E-06	6.47E-07	5.41E-06	1.05E-05	6.74E-07	5.73E-06	1.11E-05	5.65E-07	4.87E-06	9.32E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,140	7.86E-07	6.70E-06	1.30E-05	6.97E-07	5.90E-06	1.15E-05	4.33E-07	3.78E-06	7.24E-06	5.52E-07	4.83E-06	9.33E-06	6.41E-07	5.35E-06	1.05E-05	6.70E-07	5.70E-06	1.11E-05	5.62E-07	4.84E-06	9.27E-06
3,141	7.86E-07	6.69E-06	1.30E-05	6.97E-07	5.90E-06	1.15E-05	4.33E-07	3.78E-06	7.24E-06	5.52E-07	4.83E-06	9.33E-06	6.41E-07	5.35E-06	1.05E-05	6.70E-07	5.70E-06	1.11E-05	5.62E-07	4.83E-06	9.27E-06
3,142	7.86E-07	6.69E-06	1.30E-05	6.96E-07	5.90E-06	1.15E-05	4.33E-07	3.77E-06	7.24E-06	5.52E-07	4.83E-06	9.33E-06	6.41E-07	5.35E-06	1.05E-05	6.70E-07	5.70E-06	1.11E-05	5.62E-07	4.83E-06	9.27E-06
3,143	7.86E-07	6.69E-06	1.30E-05	6.96E-07	5.90E-06	1.15E-05	4.32E-07	3.77E-06	7.23E-06	5.52E-07	4.83E-06	9.33E-06	6.41E-07	5.35E-06	1.05E-05	6.70E-07	5.69E-06	1.11E-05	5.62E-07	4.83E-06	9.26E-06
3,144	7.86E-07	6.68E-06	1.30E-05	6.96E-07	5.90E-06	1.15E-05	4.32E-07	3.77E-06	7.23E-06	5.52E-07	4.83E-06	9.32E-06	6.41E-07	5.35E-06	1.05E-05	6.70E-07	5.69E-06	1.11E-05	5.62E-07	4.83E-06	9.26E-06
3,145	7.86E-07	6.68E-06	1.30E-05	6.95E-07	5.89E-06	1.14E-05	4.32E-07	3.77E-06	7.23E-06	5.52E-07	4.83E-06	9.32E-06	6.41E-07	5.34E-06	1.05E-05	6.70E-07	5.69E-06	1.11E-05	5.62E-07	4.83E-06	9.26E-06
3,146	7.86E-07	6.68E-06	1.30E-05	6.95E-07	5.89E-06	1.14E-05	4.32E-07	3.77E-06	7.23E-06	5.51E-07	4.83E-06	9.32E-06	6.40E-07	5.34E-06	1.05E-05	6.69E-07	5.68E-06	1.11E-05	5.61E-07	4.83E-06	9.26E-06
3,147	7.85E-07	6.68E-06	1.30E-05	6.94E-07	5.89E-06	1.14E-05	4.32E-07	3.76E-06	7.22E-06	5.50E-07	4.82E-06	9.31E-06	6.40E-07	5.34E-06	1.05E-05	6.69E-07	5.68E-06	1.11E-05	5.61E-07	4.82E-06	9.25E-06
3,148	7.85E-07	6.68E-06	1.30E-05	6.94E-07	5.89E-06	1.14E-05	4.32E-07	3.76E-06	7.22E-06	5.50E-07	4.82E-06	9.31E-06	6.40E-07	5.34E-06	1.05E-05	6.69E-07	5.68E-06	1.11E-05	5.61E-07	4.82E-06	9.25E-06
3,149	7.85E-07	6.68E-06	1.29E-05	6.94E-07	5.89E-06	1.14E-05	4.32E-07	3.76E-06	7.22E-06	5.50E-07	4.82E-06	9.31E-06	6.39E-07	5.33E-06	1.05E-05	6.69E-07	5.68E-06	1.11E-05	5.61E-07	4.82E-06	9.24E-06
3,150	7.85E-07	6.68E-06	1.29E-05	6.94E-07	5.88E-06	1.14E-05	4.32E-07	3.76E-06	7.22E-06	5.50E-07	4.82E-06	9.31E-06	6.39E-07	5.33E-06	1.04E-05	6.69E-07	5.68E-06	1.11E-05	5.61E-07	4.82E-06	9.24E-06
3,151	7.85E-07	6.68E-06	1.29E-05	6.94E-07	5.88E-06	1.14E-05	4.31E-07	3.76E-06	7.21E-06	5.50E-07	4.82E-06	9.31E-06	6.39E-07	5.33E-06	1.04E-05	6.69E-07	5.67E-06	1.11E-05	5.60E-07	4.82E-06	9.24E-06
3,152	7.85E-07	6.68E-06	1.29E-05	6.93E-07	5.88E-06	1.14E-05	4.31E-07	3.76E-06	7.21E-06	5.50E-07	4.82E-06	9.31E-06	6.39E-07	5.33E-06	1.04E-05	6.69E-07	5.67E-06	1.11E-05	5.60E-07	4.82E-06	9.24E-06
3,153	7.85E-07	6.67E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.31E-07	3.76E-06	7.21E-06	5.50E-07	4.82E-06	9.30E-06	6.39E-07	5.33E-06	1.04E-05	6.69E-07	5.67E-06	1.10E-05	5.60E-07	4.82E-06	9.24E-06
3,154	7.85E-07	6.67E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.31E-07	3.76E-06	7.21E-06	5.49E-07	4.82E-06	9.30E-06	6.39E-07	5.33E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.60E-07	4.82E-06	9.23E-06
3,155	7.84E-07	6.67E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.31E-07	3.76E-06	7.20E-06	5.49E-07	4.82E-06	9.30E-06	6.38E-07	5.32E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.60E-07	4.82E-06	9.23E-06
3,156	7.84E-07	6.67E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.31E-07	3.75E-06	7.20E-06	5.49E-07	4.81E-06	9.29E-06	6.38E-07	5.32E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.60E-07	4.81E-06	9.23E-06
3,157	7.84E-07	6.67E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.30E-07	3.75E-06	7.20E-06	5.49E-07	4.81E-06	9.29E-06	6.38E-07	5.32E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.59E-07	4.81E-06	9.23E-06
3,158	7.84E-07	6.66E-06	1.29E-05	6.93E-07	5.87E-06	1.14E-05	4.30E-07	3.75E-06	7.20E-06	5.48E-07	4.81E-06	9.29E-06	6.37E-07	5.32E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.59E-07	4.81E-06	9.23E-06
3,159	7.84E-07	6.66E-06	1.29E-05	6.92E-07	5.87E-06	1.14E-05	4.30E-07	3.75E-06	7.20E-06	5.48E-07	4.81E-06	9.28E-06	6.37E-07	5.32E-06	1.04E-05	6.68E-07	5.67E-06	1.10E-05	5.59E-07	4.81E-06	9.23E-06
3,160	7.84E-07	6.65E-06	1.29E-05	6.92E-07	5.86E-06	1.14E-05	4.30E-07	3.75E-06	7.20E-06	5.48E-07	4.80E-06	9.28E-06	6.37E-07	5.32E-06	1.04E-05	6.67E-07	5.67E-06	1.10E-05	5.59E-07	4.81E-06	9.23E-06
3,161	7.83E-07	6.65E-06	1.29E-05	6.92E-07	5.86E-06	1.14E-05	4.29E-07	3.75E-06	7.19E-06	5.48E-07	4.80E-06	9.28E-06	6.37E-07	5.31E-06	1.04E-05	6.67E-07	5.66E-06	1.10E-05	5.59E-07	4.81E-06	9.23E-06
3,162	7.83E-07	6.65E-06	1.29E-05	6.92E-07	5.86E-06	1.14E-05	4.29E-07	3.75E-06	7.19E-06	5.47E-07	4.80E-06	9.28E-06	6.37E-07	5.31E-06	1.04E-05	6.66E-07	5.66E-06	1.10E-05	5.59E-07	4.80E-06	9.22E-06
3,163	7.83E-07	6.65E-06	1.29E-05	6.92E-07	5.86E-06	1.14E-05	4.29E-07	3.75E-06	7.19E-06	5.47E-07	4.80E-06	9.28E-06	6.37E-07	5.31E-06	1.04E-05	6.66E-07	5.66E-06	1.10E-05	5.58E-07	4.80E-06	9.22E-06
3,164	7.83E-07	6.65E-06	1.29E-05	6.91E-07	5.86E-06	1.14E-05	4.29E-07	3.75E-06	7.19E-06	5.46E-07	4.80E-06	9.27E-06	6.36E-07	5.31E-06	1.04E-05	6.66E-07	5.66E-06	1.10E-05	5.58E-07	4.80E-06	9.22E-06
3,165	7.83E-07	6.65E-06	1.29E-05	6.91E-07	5.86E-06	1.14E-05	4.28E-07	3.75E-06	7.19E-06	5.46E-07	4.79E-06	9.27E-06	6.36E-07	5.31E-06	1.04E-05	6.66E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.21E-06
3,166	7.83E-07	6.64E-06	1.29E-05	6.91E-07	5.86E-06	1.14E-05	4.28E-07	3.74E-06	7.19E-06	5.46E-07	4.79E-06	9.26E-06	6.36E-07	5.31E-06	1.04E-05	6.66E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.21E-06
3,167	7.82E-07	6.64E-06	1.29E-05	6.90E-07	5.85E-06	1.14E-05	4.28E-07	3.74E-06	7.19E-06	5.46E-07	4.79E-06	9.26E-06	6.36E-07	5.31E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.20E-06
3,168	7.82E-07	6.63E-06	1.29E-05	6.90E-07	5.85E-06	1.14E-05	4.28E-07	3.74E-06	7.18E-06	5.46E-07	4.79E-06	9.26E-06	6.35E-07	5.31E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.20E-06
3,169	7.82E-07	6.63E-06	1.29E-05	6.90E-07	5.85E-06	1.14E-05	4.28E-07	3.74E-06	7.18E-06	5.46E-07	4.79E-06	9.26E-06	6.35E-07	5.31E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.20E-06
3,170	7.81E-07	6.63E-06	1.29E-05	6.90E-07	5.85E-06	1.13E-05	4.28E-07	3.74E-06	7.18E-06	5.45E-07	4.79E-06	9.25E-06	6.35E-07	5.30E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.57E-07	4.80E-06	9.20E-06
3,171	7.81E-07	6.63E-06	1.29E-05	6.89E-07	5.85E-06	1.13E-05	4.28E-07	3.73E-06	7.17E-06	5.45E-07	4.79E-06	9.25E-06	6.35E-07	5.30E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.56E-07	4.80E-06	9.20E-06
3,172	7.81E-07	6.63E-06	1.29E-05	6.89E-07	5.85E-06	1.13E-05	4.27E-07	3.73E-06	7.17E-06	5.45E-07	4.78E-06	9.25E-06	6.34E-07	5.30E-06	1.04E-05	6.65E-07	5.65E-06	1.10E-05	5.56E-07	4.80E-06	9.20E-06
3,173	7.81E-07	6.62E-06	1.29E-05	6.89E-07	5.85E-06	1.13E-05	4.27E-07	3.73E-06	7.17E-06	5.45E-07	4.78E-06	9.25E-06	6.34E-07	5.30E-06	1.04E-05	6.65E-07	5.64E-06	1.10E-05	5.56E-07	4.79E-06	9.19E-06
3,174	7.80E-07	6.62E-06	1.29E-05	6.89E-07	5.84E-06	1.13E-05	4.27E-07	3.73E-06	7.17E-06	5.45E-07	4.78E-06	9.25E-06	6.34E-07	5.30E-06	1.04E-05	6.64E-07	5.64E-06	1.10E-05	5.56E-07	4.79E-06	9.19E-06
3,175	7.80E-07	6.62E-06	1.29E-05	6.89E-07	5.84E-06	1.13E-05	4.27E-07	3.73E-06	7.17E-06	5.45E-07	4.78E-06	9.24E-06	6.34E-07	5.29E-06	1.04E-05	6.64E-07	5.64E-06	1.10E-05	5.56E-07	4.79E-06	9.19E-06
3,176	7.80E-07	6.61E-06	1.29E-05	6.89E-07	5.84E-06	1.13E-05	4.27E-07	3.73E-06	7.16E-06	5.45E-07	4.78E-06	9.24E-06	6.34E-07	5.29E-06	1.04E-05	6.64E-07	5.64E-06	1.10E-05	5.55E-07	4.79E-06	9.18E-06
3,177	7.80E-07	6.61E-06	1.29E-05	6.89E-07	5.84E-06	1.13E-05	4.27E-07	3.73E-06	7.16E-06	5.45E-07	4.78E-06	9.24E-06	6.34E-07	5.29E-06	1.04E-05	6.64E-07	5.64E-06	1.10E-05	5.55E-07	4.79E-06	9.18E-06
3,178	7.80E-07	6.61E-06	1.28E-05	6.89E-07	5.84E-06	1.13E-05	4.27E-07	3.72E-06	7.16E-06	5.45E-07	4.78E-06	9.24E-06	6.34E-07	5.29E-06	1.04E-05	6.64E-07	5.64E-06	1.10E-05	5.55E-07	4.79E-06	9.18E-06
3,179	7.79E-07	6.60E-06	1.28E-05	6.88E-07	5.84E-06	1.13E-05	4.27E-07	3.72E-06	7.15E-06	5.44E-07	4.78E-06	9.24E-06	6.34E-07	5.29E-06	1.04E-05	6.63E-07	5.64E-06	1.10E-05	5.55E-07	4.79E-06	9.17E-06
3,180	7.79E-07	6.60E-06	1.28E-05	6.88E-07	5.84E-06	1.13E-05	4.26E-07	3.72E-06	7.15E-06	5.44E-07	4.78E-06	9.23E-06	6.34E-07	5.29E-06	1.04E-05	6.63E-07	5.64E-06	1.10E-05	5.55E-07	4.79E-06	9.17E-06
3,181	7.79E-07	6.60E-06	1.28E-05	6.88E-07	5.83E-06	1.13E-05	4.26E-07	3.72E-06	7.15E-06	5.44E-07	4.77E-06	9.23E-06	6.34E-07	5.28E-06	1.04E-05	6.63E-07	5.64E-06	1.10E-05	5.55E-07	4.78E-06	9.17E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,202	7.74E-07	6.55E-06	1.27E-05	6.84E-07	5.80E-06	1.13E-05	4.24E-07	3.69E-06	7.10E-06	5.41E-07	4.74E-06	9.18E-06	6.30E-07	5.26E-06	1.03E-05	6.60E-07	5.59E-06	1.09E-05	5.50E-07	4.74E-06	9.10E-06
3,203	7.74E-07	6.55E-06	1.27E-05	6.84E-07	5.79E-06	1.13E-05	4.24E-07	3.69E-06	7.09E-06	5.41E-07	4.74E-06	9.17E-06	6.30E-07	5.26E-06	1.03E-05	6.59E-07	5.59E-06	1.09E-05	5.50E-07	4.74E-06	9.10E-06
3,204	7.73E-07	6.54E-06	1.27E-05	6.84E-07	5.79E-06	1.13E-05	4.24E-07	3.68E-06	7.09E-06	5.41E-07	4.74E-06	9.17E-06	6.30E-07	5.26E-06	1.03E-05	6.59E-07	5.59E-06	1.09E-05	5.50E-07	4.73E-06	9.10E-06
3,205	7.73E-07	6.54E-06	1.27E-05	6.84E-07	5.79E-06	1.13E-05	4.23E-07	3.68E-06	7.09E-06	5.41E-07	4.74E-06	9.17E-06	6.30E-07	5.25E-06	1.03E-05	6.59E-07	5.59E-06	1.09E-05	5.50E-07	4.73E-06	9.09E-06
3,206	7.73E-07	6.54E-06	1.27E-05	6.84E-07	5.79E-06	1.12E-05	4.23E-07	3.68E-06	7.09E-06	5.40E-07	4.74E-06	9.17E-06	6.30E-07	5.25E-06	1.03E-05	6.59E-07	5.59E-06	1.09E-05	5.50E-07	4.73E-06	9.09E-06
3,207	7.73E-07	6.53E-06	1.27E-05	6.83E-07	5.79E-06	1.12E-05	4.23E-07	3.68E-06	7.09E-06	5.40E-07	4.74E-06	9.17E-06	6.30E-07	5.25E-06	1.03E-05	6.59E-07	5.59E-06	1.09E-05	5.50E-07	4.72E-06	9.09E-06
3,208	7.73E-07	6.53E-06	1.27E-05	6.83E-07	5.79E-06	1.12E-05	4.23E-07	3.68E-06	7.09E-06	5.40E-07	4.74E-06	9.17E-06	6.30E-07	5.25E-06	1.03E-05	6.58E-07	5.59E-06	1.09E-05	5.49E-07	4.72E-06	9.09E-06
3,209	7.72E-07	6.53E-06	1.27E-05	6.83E-07	5.78E-06	1.12E-05	4.23E-07	3.68E-06	7.08E-06	5.40E-07	4.74E-06	9.16E-06	6.29E-07	5.25E-06	1.03E-05	6.58E-07	5.59E-06	1.09E-05	5.49E-07	4.72E-06	9.08E-06
3,210	7.72E-07	6.53E-06	1.27E-05	6.82E-07	5.78E-06	1.12E-05	4.23E-07	3.68E-06	7.08E-06	5.39E-07	4.74E-06	9.16E-06	6.29E-07	5.25E-06	1.03E-05	6.58E-07	5.59E-06	1.09E-05	5.49E-07	4.71E-06	9.08E-06
3,211	7.72E-07	6.53E-06	1.27E-05	6.82E-07	5.78E-06	1.12E-05	4.23E-07	3.68E-06	7.08E-06	5.39E-07	4.74E-06	9.16E-06	6.29E-07	5.24E-06	1.03E-05	6.58E-07	5.58E-06	1.09E-05	5.49E-07	4.71E-06	9.07E-06
3,212	7.72E-07	6.53E-06	1.27E-05	6.82E-07	5.78E-06	1.12E-05	4.22E-07	3.67E-06	7.08E-06	5.39E-07	4.74E-06	9.15E-06	6.29E-07	5.24E-06	1.03E-05	6.57E-07	5.58E-06	1.09E-05	5.49E-07	4.71E-06	9.07E-06
3,213	7.72E-07	6.52E-06	1.27E-05	6.82E-07	5.78E-06	1.12E-05	4.22E-07	3.67E-06	7.08E-06	5.39E-07	4.73E-06	9.15E-06	6.29E-07	5.24E-06	1.02E-05	6.57E-07	5.58E-06	1.09E-05	5.49E-07	4.70E-06	9.07E-06
3,214	7.72E-07	6.52E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.22E-07	3.67E-06	7.08E-06	5.39E-07	4.73E-06	9.15E-06	6.28E-07	5.24E-06	1.02E-05	6.57E-07	5.57E-06	1.09E-05	5.49E-07	4.70E-06	9.05E-06
3,215	7.71E-07	6.51E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.22E-07	3.67E-06	7.08E-06	5.39E-07	4.73E-06	9.15E-06	6.28E-07	5.24E-06	1.02E-05	6.57E-07	5.57E-06	1.09E-05	5.49E-07	4.70E-06	9.05E-06
3,216	7.71E-07	6.51E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.22E-07	3.67E-06	7.07E-06	5.38E-07	4.73E-06	9.15E-06	6.28E-07	5.23E-06	1.02E-05	6.57E-07	5.57E-06	1.09E-05	5.49E-07	4.70E-06	9.05E-06
3,217	7.71E-07	6.51E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.22E-07	3.67E-06	7.07E-06	5.38E-07	4.73E-06	9.14E-06	6.28E-07	5.23E-06	1.02E-05	6.56E-07	5.57E-06	1.09E-05	5.48E-07	4.70E-06	9.05E-06
3,218	7.71E-07	6.51E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.22E-07	3.67E-06	7.07E-06	5.38E-07	4.73E-06	9.14E-06	6.28E-07	5.23E-06	1.02E-05	6.56E-07	5.57E-06	1.09E-05	5.48E-07	4.70E-06	9.04E-06
3,219	7.71E-07	6.51E-06	1.27E-05	6.82E-07	5.77E-06	1.12E-05	4.21E-07	3.67E-06	7.07E-06	5.38E-07	4.73E-06	9.14E-06	6.28E-07	5.23E-06	1.02E-05	6.56E-07	5.56E-06	1.09E-05	5.48E-07	4.69E-06	9.04E-06
3,220	7.71E-07	6.51E-06	1.27E-05	6.81E-07	5.77E-06	1.12E-05	4.21E-07	3.67E-06	7.06E-06	5.38E-07	4.73E-06	9.14E-06	6.28E-07	5.23E-06	1.02E-05	6.56E-07	5.56E-06	1.09E-05	5.48E-07	4.69E-06	9.04E-06
3,221	7.71E-07	6.50E-06	1.27E-05	6.81E-07	5.77E-06	1.12E-05	4.21E-07	3.67E-06	7.06E-06	5.37E-07	4.73E-06	9.14E-06	6.28E-07	5.23E-06	1.02E-05	6.56E-07	5.55E-06	1.08E-05	5.48E-07	4.69E-06	9.03E-06
3,222	7.70E-07	6.50E-06	1.27E-05	6.81E-07	5.76E-06	1.12E-05	4.21E-07	3.66E-06	7.06E-06	5.37E-07	4.73E-06	9.14E-06	6.28E-07	5.22E-06	1.02E-05	6.55E-07	5.55E-06	1.08E-05	5.48E-07	4.69E-06	9.03E-06
3,223	7.70E-07	6.50E-06	1.27E-05	6.81E-07	5.76E-06	1.12E-05	4.21E-07	3.66E-06	7.06E-06	5.37E-07	4.73E-06	9.13E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.55E-06	1.08E-05	5.48E-07	4.69E-06	9.03E-06
3,224	7.70E-07	6.49E-06	1.27E-05	6.80E-07	5.76E-06	1.12E-05	4.21E-07	3.66E-06	7.05E-06	5.37E-07	4.72E-06	9.13E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.55E-06	1.08E-05	5.48E-07	4.69E-06	9.03E-06
3,225	7.69E-07	6.49E-06	1.27E-05	6.79E-07	5.76E-06	1.12E-05	4.21E-07	3.66E-06	7.04E-06	5.37E-07	4.72E-06	9.13E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.55E-06	1.08E-05	5.48E-07	4.68E-06	9.02E-06
3,226	7.69E-07	6.49E-06	1.27E-05	6.79E-07	5.76E-06	1.12E-05	4.20E-07	3.66E-06	7.03E-06	5.37E-07	4.72E-06	9.12E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.55E-06	1.08E-05	5.48E-07	4.68E-06	9.00E-06
3,227	7.69E-07	6.49E-06	1.27E-05	6.79E-07	5.76E-06	1.12E-05	4.20E-07	3.66E-06	7.03E-06	5.36E-07	4.72E-06	9.11E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.54E-06	1.08E-05	5.47E-07	4.68E-06	9.00E-06
3,228	7.69E-07	6.49E-06	1.27E-05	6.78E-07	5.75E-06	1.12E-05	4.20E-07	3.66E-06	7.03E-06	5.36E-07	4.72E-06	9.11E-06	6.27E-07	5.22E-06	1.02E-05	6.55E-07	5.54E-06	1.08E-05	5.47E-07	4.68E-06	9.00E-06
3,229	7.69E-07	6.49E-06	1.27E-05	6.78E-07	5.75E-06	1.12E-05	4.20E-07	3.66E-06	7.02E-06	5.36E-07	4.72E-06	9.11E-06	6.26E-07	5.22E-06	1.02E-05	6.54E-07	5.54E-06	1.08E-05	5.47E-07	4.68E-06	9.00E-06
3,230	7.69E-07	6.49E-06	1.27E-05	6.78E-07	5.75E-06	1.12E-05	4.20E-07	3.66E-06	7.02E-06	5.36E-07	4.72E-06	9.10E-06	6.26E-07	5.22E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.68E-06	8.98E-06
3,231	7.68E-07	6.49E-06	1.27E-05	6.78E-07	5.75E-06	1.12E-05	4.20E-07	3.66E-06	7.02E-06	5.36E-07	4.72E-06	9.10E-06	6.26E-07	5.22E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.67E-06	8.98E-06
3,232	7.68E-07	6.49E-06	1.27E-05	6.78E-07	5.74E-06	1.12E-05	4.20E-07	3.66E-06	7.02E-06	5.35E-07	4.72E-06	9.10E-06	6.26E-07	5.21E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.67E-06	8.98E-06
3,233	7.68E-07	6.49E-06	1.27E-05	6.77E-07	5.74E-06	1.12E-05	4.19E-07	3.66E-06	7.02E-06	5.35E-07	4.71E-06	9.10E-06	6.26E-07	5.21E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.67E-06	8.98E-06
3,234	7.68E-07	6.49E-06	1.26E-05	6.77E-07	5.74E-06	1.12E-05	4.19E-07	3.65E-06	7.02E-06	5.35E-07	4.71E-06	9.10E-06	6.26E-07	5.21E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.67E-06	8.97E-06
3,235	7.67E-07	6.49E-06	1.26E-05	6.77E-07	5.74E-06	1.12E-05	4.19E-07	3.65E-06	7.01E-06	5.35E-07	4.71E-06	9.10E-06	6.26E-07	5.20E-06	1.02E-05	6.54E-07	5.53E-06	1.08E-05	5.47E-07	4.67E-06	8.97E-06
3,236	7.67E-07	6.49E-06	1.26E-05	6.77E-07	5.74E-06	1.12E-05	4.19E-07	3.65E-06	7.01E-06	5.35E-07	4.71E-06	9.09E-06	6.26E-07	5.20E-06	1.02E-05	6.53E-07	5.52E-06	1.08E-05	5.47E-07	4.67E-06	8.96E-06
3,237	7.66E-07	6.48E-06	1.26E-05	6.77E-07	5.74E-06	1.12E-05	4.19E-07	3.65E-06	7.01E-06	5.35E-07	4.71E-06	9.09E-06	6.26E-07	5.20E-06	1.02E-05	6.53E-07	5.52E-06	1.08E-05	5.47E-07	4.67E-06	8.96E-06
3,238	7.66E-07	6.48E-06	1.26E-05	6.77E-07	5.74E-06	1.11E-05	4.19E-07	3.65E-06	7.01E-06	5.35E-07	4.70E-06	9.09E-06	6.26E-07	5.20E-06	1.02E-05	6.53E-07	5.52E-06	1.08E-05	5.46E-07	4.67E-06	8.95E-06
3,239	7.66E-07	6.47E-06	1.26E-05	6.77E-07	5.73E-06	1.11E-05	4.19E-07	3.65E-06	7.01E-06	5.34E-07	4.70E-06	9.08E-06	6.25E-07	5.20E-06	1.02E-05	6.53E-07	5.52E-06	1.08E-05	5.46E-07	4.67E-06	8.95E-06
3,240	7.66E-07	6.47E-06	1.26E-05	6.77E-07	5.73E-06	1.11E-05	4.19E-07	3.65E-06	7.00E-06	5.34E-07	4.70E-06	9.08E-06	6.25E-07	5.19E-06	1.02E-05	6.52E-07	5.52E-06	1.07E-05	5.46E-07	4.67E-06	8.95E-06
3,241	7.66E-07	6.47E-06	1.26E-05	6.77E-07	5.73E-06	1.11E-05	4.19E-07	3.65E-06	7.00E-06	5.34E-07	4.70E-06	9.08E-06	6.25E-07	5.19E-06	1.02E-05	6.52E-07	5.52E-06	1.07E-05	5.45E-07	4.67E-06	8.95E-06
3,242	7.65E-07	6.46E-06	1.26E-05	6.76E-07	5.73E-06	1.11E-05	4.19E-07	3.65E-06	7.00E-06	5.34E-07	4.70E-06	9.07E-06	6.25E-07	5.19E-06	1.02E-05	6.51E-07	5.52E-06	1.07E-05	5.45E-07	4.67E-06	8.95E-06
3,243	7.65E-07	6.46E-06	1.26E-05	6.76E-07	5.73E-06	1.11E-05	4.19E-07	3.65E-06	7.00E-06	5.33E-07	4.70E-06	9.07E-06	6.25E-07	5.19E-06	1.02E-05	6.51E-07	5.51E-06	1.07E-05	5.45E-07	4.66E-06	8.95E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,264	7.62E-07	6.42E-06	1.25E-05	6.71E-07	5.69E-06	1.11E-05	4.16E-07	3.63E-06	6.95E-06	5.30E-07	4.67E-06	9.01E-06	6.22E-07	5.17E-06	1.01E-05	6.47E-07	5.48E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,265	7.62E-07	6.42E-06	1.25E-05	6.70E-07	5.69E-06	1.11E-05	4.16E-07	3.63E-06	6.95E-06	5.30E-07	4.66E-06	9.00E-06	6.22E-07	5.16E-06	1.01E-05	6.47E-07	5.48E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,266	7.62E-07	6.42E-06	1.25E-05	6.70E-07	5.69E-06	1.11E-05	4.16E-07	3.63E-06	6.94E-06	5.30E-07	4.66E-06	9.00E-06	6.22E-07	5.16E-06	1.01E-05	6.47E-07	5.47E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,267	7.62E-07	6.42E-06	1.25E-05	6.70E-07	5.69E-06	1.11E-05	4.16E-07	3.63E-06	6.94E-06	5.29E-07	4.66E-06	9.00E-06	6.22E-07	5.16E-06	1.01E-05	6.46E-07	5.47E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,268	7.62E-07	6.41E-06	1.25E-05	6.70E-07	5.68E-06	1.10E-05	4.15E-07	3.63E-06	6.94E-06	5.29E-07	4.66E-06	8.99E-06	6.21E-07	5.16E-06	1.01E-05	6.46E-07	5.47E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,269	7.62E-07	6.41E-06	1.25E-05	6.70E-07	5.68E-06	1.10E-05	4.15E-07	3.63E-06	6.94E-06	5.29E-07	4.66E-06	8.99E-06	6.21E-07	5.16E-06	1.01E-05	6.46E-07	5.46E-06	1.07E-05	5.41E-07	4.64E-06	8.87E-06
3,270	7.62E-07	6.41E-06	1.25E-05	6.70E-07	5.68E-06	1.10E-05	4.15E-07	3.63E-06	6.94E-06	5.29E-07	4.65E-06	8.98E-06	6.21E-07	5.15E-06	1.01E-05	6.46E-07	5.46E-06	1.07E-05	5.41E-07	4.63E-06	8.86E-06
3,271	7.62E-07	6.41E-06	1.25E-05	6.69E-07	5.68E-06	1.10E-05	4.15E-07	3.63E-06	6.93E-06	5.29E-07	4.65E-06	8.98E-06	6.21E-07	5.15E-06	1.01E-05	6.46E-07	5.46E-06	1.07E-05	5.40E-07	4.63E-06	8.86E-06
3,272	7.61E-07	6.41E-06	1.25E-05	6.69E-07	5.67E-06	1.10E-05	4.14E-07	3.63E-06	6.93E-06	5.28E-07	4.65E-06	8.98E-06	6.21E-07	5.15E-06	1.01E-05	6.46E-07	5.46E-06	1.07E-05	5.40E-07	4.63E-06	8.86E-06
3,273	7.61E-07	6.41E-06	1.25E-05	6.69E-07	5.67E-06	1.10E-05	4.14E-07	3.62E-06	6.93E-06	5.28E-07	4.65E-06	8.98E-06	6.21E-07	5.14E-06	1.01E-05	6.46E-07	5.46E-06	1.06E-05	5.40E-07	4.63E-06	8.86E-06
3,274	7.61E-07	6.40E-06	1.25E-05	6.69E-07	5.66E-06	1.10E-05	4.14E-07	3.62E-06	6.93E-06	5.28E-07	4.64E-06	8.97E-06	6.21E-07	5.14E-06	1.01E-05	6.45E-07	5.45E-06	1.06E-05	5.40E-07	4.63E-06	8.86E-06
3,275	7.61E-07	6.40E-06	1.25E-05	6.69E-07	5.66E-06	1.10E-05	4.14E-07	3.62E-06	6.93E-06	5.28E-07	4.64E-06	8.97E-06	6.20E-07	5.14E-06	1.01E-05	6.45E-07	5.45E-06	1.06E-05	5.40E-07	4.63E-06	8.85E-06
3,276	7.61E-07	6.40E-06	1.25E-05	6.68E-07	5.66E-06	1.10E-05	4.14E-07	3.62E-06	6.92E-06	5.28E-07	4.64E-06	8.97E-06	6.20E-07	5.14E-06	1.01E-05	6.44E-07	5.45E-06	1.06E-05	5.40E-07	4.63E-06	8.85E-06
3,277	7.61E-07	6.39E-06	1.25E-05	6.68E-07	5.65E-06	1.10E-05	4.14E-07	3.62E-06	6.92E-06	5.28E-07	4.64E-06	8.96E-06	6.20E-07	5.14E-06	1.01E-05	6.44E-07	5.45E-06	1.06E-05	5.39E-07	4.63E-06	8.85E-06
3,278	7.61E-07	6.39E-06	1.25E-05	6.68E-07	5.65E-06	1.10E-05	4.13E-07	3.62E-06	6.91E-06	5.28E-07	4.64E-06	8.96E-06	6.20E-07	5.14E-06	1.01E-05	6.44E-07	5.45E-06	1.06E-05	5.39E-07	4.62E-06	8.84E-06
3,279	7.61E-07	6.38E-06	1.25E-05	6.68E-07	5.65E-06	1.10E-05	4.13E-07	3.62E-06	6.91E-06	5.28E-07	4.64E-06	8.96E-06	6.20E-07	5.13E-06	1.01E-05	6.44E-07	5.45E-06	1.06E-05	5.39E-07	4.62E-06	8.84E-06
3,280	7.61E-07	6.38E-06	1.25E-05	6.68E-07	5.65E-06	1.10E-05	4.13E-07	3.61E-06	6.91E-06	5.27E-07	4.63E-06	8.96E-06	6.19E-07	5.13E-06	1.01E-05	6.43E-07	5.45E-06	1.06E-05	5.39E-07	4.62E-06	8.84E-06
3,281	7.60E-07	6.38E-06	1.25E-05	6.68E-07	5.65E-06	1.10E-05	4.13E-07	3.61E-06	6.91E-06	5.27E-07	4.63E-06	8.95E-06	6.19E-07	5.13E-06	1.00E-05	6.43E-07	5.45E-06	1.06E-05	5.38E-07	4.62E-06	8.84E-06
3,282	7.60E-07	6.38E-06	1.25E-05	6.67E-07	5.65E-06	1.10E-05	4.13E-07	3.61E-06	6.91E-06	5.27E-07	4.63E-06	8.95E-06	6.19E-07	5.13E-06	1.00E-05	6.43E-07	5.44E-06	1.06E-05	5.38E-07	4.62E-06	8.84E-06
3,283	7.60E-07	6.38E-06	1.25E-05	6.67E-07	5.65E-06	1.10E-05	4.13E-07	3.61E-06	6.90E-06	5.27E-07	4.63E-06	8.95E-06	6.19E-07	5.13E-06	1.00E-05	6.42E-07	5.44E-06	1.06E-05	5.38E-07	4.62E-06	8.83E-06
3,284	7.60E-07	6.37E-06	1.25E-05	6.67E-07	5.65E-06	1.10E-05	4.13E-07	3.61E-06	6.89E-06	5.27E-07	4.63E-06	8.95E-06	6.19E-07	5.13E-06	1.00E-05	6.42E-07	5.44E-06	1.06E-05	5.38E-07	4.62E-06	8.83E-06
3,285	7.60E-07	6.37E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.13E-07	3.61E-06	6.89E-06	5.27E-07	4.63E-06	8.95E-06	6.18E-07	5.12E-06	1.00E-05	6.42E-07	5.44E-06	1.06E-05	5.38E-07	4.61E-06	8.83E-06
3,286	7.59E-07	6.37E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.13E-07	3.61E-06	6.89E-06	5.27E-07	4.63E-06	8.94E-06	6.18E-07	5.12E-06	1.00E-05	6.41E-07	5.43E-06	1.06E-05	5.38E-07	4.61E-06	8.83E-06
3,287	7.59E-07	6.37E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.13E-07	3.61E-06	6.89E-06	5.27E-07	4.62E-06	8.93E-06	6.18E-07	5.12E-06	1.00E-05	6.41E-07	5.43E-06	1.06E-05	5.38E-07	4.61E-06	8.83E-06
3,288	7.59E-07	6.37E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.12E-07	3.60E-06	6.89E-06	5.26E-07	4.62E-06	8.92E-06	6.18E-07	5.12E-06	1.00E-05	6.41E-07	5.43E-06	1.06E-05	5.38E-07	4.61E-06	8.83E-06
3,289	7.59E-07	6.36E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.12E-07	3.60E-06	6.89E-06	5.26E-07	4.62E-06	8.91E-06	6.18E-07	5.12E-06	1.00E-05	6.41E-07	5.43E-06	1.06E-05	5.38E-07	4.61E-06	8.82E-06
3,290	7.59E-07	6.36E-06	1.25E-05	6.67E-07	5.64E-06	1.10E-05	4.12E-07	3.60E-06	6.89E-06	5.26E-07	4.62E-06	8.91E-06	6.18E-07	5.12E-06	1.00E-05	6.41E-07	5.42E-06	1.06E-05	5.38E-07	4.61E-06	8.82E-06
3,291	7.59E-07	6.36E-06	1.24E-05	6.67E-07	5.64E-06	1.10E-05	4.12E-07	3.60E-06	6.89E-06	5.26E-07	4.62E-06	8.91E-06	6.18E-07	5.11E-06	1.00E-05	6.41E-07	5.42E-06	1.06E-05	5.38E-07	4.60E-06	8.82E-06
3,292	7.59E-07	6.36E-06	1.24E-05	6.67E-07	5.64E-06	1.10E-05	4.12E-07	3.59E-06	6.89E-06	5.26E-07	4.62E-06	8.90E-06	6.18E-07	5.11E-06	1.00E-05	6.41E-07	5.42E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,293	7.58E-07	6.36E-06	1.24E-05	6.66E-07	5.63E-06	1.10E-05	4.12E-07	3.59E-06	6.88E-06	5.26E-07	4.62E-06	8.90E-06	6.18E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,294	7.58E-07	6.36E-06	1.24E-05	6.66E-07	5.63E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.62E-06	8.90E-06	6.18E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,295	7.58E-07	6.36E-06	1.24E-05	6.66E-07	5.63E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.62E-06	8.89E-06	6.18E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,296	7.57E-07	6.35E-06	1.24E-05	6.66E-07	5.63E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.61E-06	8.89E-06	6.18E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,297	7.57E-07	6.35E-06	1.24E-05	6.66E-07	5.63E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.61E-06	8.89E-06	6.17E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.81E-06
3,298	7.57E-07	6.35E-06	1.24E-05	6.65E-07	5.63E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.60E-06	8.89E-06	6.16E-07	5.11E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.80E-06
3,299	7.57E-07	6.34E-06	1.24E-05	6.65E-07	5.62E-06	1.10E-05	4.11E-07	3.59E-06	6.88E-06	5.25E-07	4.60E-06	8.89E-06	6.16E-07	5.10E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.80E-06
3,300	7.57E-07	6.34E-06	1.24E-05	6.65E-07	5.62E-06	1.10E-05	4.11E-07	3.59E-06	6.87E-06	5.25E-07	4.60E-06	8.88E-06	6.16E-07	5.10E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.60E-06	8.80E-06
3,301	7.57E-07	6.34E-06	1.24E-05	6.65E-07	5.62E-06	1.10E-05	4.11E-07	3.58E-06	6.87E-06	5.25E-07	4.60E-06	8.88E-06	6.16E-07	5.10E-06	1.00E-05	6.40E-07	5.41E-06	1.06E-05	5.37E-07	4.59E-06	8.80E-06
3,302	7.57E-07	6.34E-06	1.24E-05	6.65E-07	5.61E-06	1.09E-05	4.11E-07	3.58E-06	6.87E-06	5.25E-07	4.60E-06	8.88E-06	6.16E-07	5.10E-06	1.00E-05	6.39E-07	5.41E-06	1.06E-05	5.37E-07	4.59E-06	8.80E-06
3,303	7.56E-07	6.34E-06	1.24E-05	6.65E-07	5.61E-06	1.09E-05	4.11E-07	3.58E-06	6.87E-06	5.24E-07	4.60E-06	8.88E-06	6.15E-07	5.10E-06	1.00E-05	6.39E-07	5.41E-06	1.06E-05	5.36E-07	4.59E-06	8.80E-06
3,304	7.56E-07	6.34E-06	1.24E-05	6.64E-07	5.61E-06	1.09E-05	4.10E-07	3.58E-06	6.87E-06	5.24E-07	4.59E-06	8.88E-06	6.15E-07	5.10E-06	9.99E-06	6.39E-07	5.41E-06	1.06E-05	5.36E-07	4.59E-06	8.80E-06
3,305	7.56E-07	6.34E-06	1.24E-05	6.64E-07	5.61E-06	1.09E-05	4.10E-07	3.58E-06	6.87E-06	5.24E-07	4.59E-06	8.88E-06	6.15E-07	5.10E-06	9.99E-06	6.39E-07	5.40E-06	1.06E-05	5.36E-07	4.59E-06	8.80E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,326	7.53E-07	6.31E-06	1.23E-05	6.60E-07	5.57E-06	1.09E-05	4.07E-07	3.56E-06	6.83E-06	5.21E-07	4.56E-06	8.82E-06	6.09E-07	5.08E-06	9.94E-06	6.35E-07	5.38E-06	1.05E-05	5.33E-07	4.56E-06	8.76E-06
3,327	7.52E-07	6.31E-06	1.23E-05	6.60E-07	5.57E-06	1.09E-05	4.07E-07	3.56E-06	6.83E-06	5.21E-07	4.56E-06	8.82E-06	6.09E-07	5.08E-06	9.93E-06	6.35E-07	5.38E-06	1.05E-05	5.33E-07	4.56E-06	8.76E-06
3,328	7.52E-07	6.31E-06	1.23E-05	6.60E-07	5.57E-06	1.09E-05	4.07E-07	3.56E-06	6.83E-06	5.21E-07	4.56E-06	8.81E-06	6.09E-07	5.08E-06	9.93E-06	6.35E-07	5.38E-06	1.05E-05	5.32E-07	4.56E-06	8.75E-06
3,329	7.52E-07	6.30E-06	1.23E-05	6.59E-07	5.57E-06	1.09E-05	4.06E-07	3.56E-06	6.83E-06	5.21E-07	4.56E-06	8.81E-06	6.09E-07	5.08E-06	9.93E-06	6.35E-07	5.37E-06	1.05E-05	5.32E-07	4.56E-06	8.75E-06
3,330	7.52E-07	6.30E-06	1.23E-05	6.59E-07	5.57E-06	1.09E-05	4.06E-07	3.55E-06	6.82E-06	5.21E-07	4.56E-06	8.80E-06	6.09E-07	5.08E-06	9.93E-06	6.35E-07	5.37E-06	1.05E-05	5.32E-07	4.56E-06	8.74E-06
3,331	7.52E-07	6.30E-06	1.23E-05	6.59E-07	5.57E-06	1.09E-05	4.06E-07	3.55E-06	6.82E-06	5.20E-07	4.56E-06	8.80E-06	6.09E-07	5.08E-06	9.92E-06	6.34E-07	5.37E-06	1.05E-05	5.32E-07	4.55E-06	8.74E-06
3,332	7.51E-07	6.30E-06	1.23E-05	6.59E-07	5.56E-06	1.09E-05	4.06E-07	3.55E-06	6.81E-06	5.20E-07	4.56E-06	8.80E-06	6.09E-07	5.07E-06	9.92E-06	6.34E-07	5.37E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,333	7.51E-07	6.30E-06	1.23E-05	6.59E-07	5.56E-06	1.09E-05	4.06E-07	3.55E-06	6.81E-06	5.20E-07	4.56E-06	8.80E-06	6.09E-07	5.07E-06	9.92E-06	6.34E-07	5.36E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,334	7.51E-07	6.30E-06	1.23E-05	6.59E-07	5.56E-06	1.09E-05	4.06E-07	3.54E-06	6.81E-06	5.20E-07	4.56E-06	8.80E-06	6.08E-07	5.07E-06	9.91E-06	6.34E-07	5.36E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,335	7.50E-07	6.30E-06	1.23E-05	6.59E-07	5.56E-06	1.08E-05	4.06E-07	3.54E-06	6.81E-06	5.20E-07	4.56E-06	8.80E-06	6.08E-07	5.07E-06	9.90E-06	6.34E-07	5.36E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,336	7.50E-07	6.30E-06	1.22E-05	6.58E-07	5.55E-06	1.08E-05	4.06E-07	3.54E-06	6.80E-06	5.19E-07	4.55E-06	8.80E-06	6.08E-07	5.07E-06	9.90E-06	6.34E-07	5.36E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,337	7.50E-07	6.30E-06	1.22E-05	6.58E-07	5.55E-06	1.08E-05	4.05E-07	3.54E-06	6.80E-06	5.19E-07	4.55E-06	8.79E-06	6.08E-07	5.07E-06	9.90E-06	6.34E-07	5.36E-06	1.05E-05	5.31E-07	4.55E-06	8.73E-06
3,338	7.50E-07	6.29E-06	1.22E-05	6.58E-07	5.55E-06	1.08E-05	4.05E-07	3.54E-06	6.80E-06	5.19E-07	4.55E-06	8.79E-06	6.08E-07	5.07E-06	9.90E-06	6.34E-07	5.36E-06	1.04E-05	5.30E-07	4.55E-06	8.73E-06
3,339	7.50E-07	6.29E-06	1.22E-05	6.57E-07	5.55E-06	1.08E-05	4.05E-07	3.54E-06	6.80E-06	5.19E-07	4.55E-06	8.79E-06	6.08E-07	5.06E-06	9.87E-06	6.34E-07	5.35E-06	1.04E-05	5.30E-07	4.55E-06	8.73E-06
3,340	7.50E-07	6.29E-06	1.22E-05	6.57E-07	5.55E-06	1.08E-05	4.05E-07	3.54E-06	6.80E-06	5.18E-07	4.54E-06	8.79E-06	6.07E-07	5.06E-06	9.87E-06	6.34E-07	5.35E-06	1.04E-05	5.30E-07	4.55E-06	8.72E-06
3,341	7.50E-07	6.29E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.05E-07	3.53E-06	6.80E-06	5.18E-07	4.54E-06	8.78E-06	6.07E-07	5.06E-06	9.87E-06	6.33E-07	5.35E-06	1.04E-05	5.30E-07	4.54E-06	8.72E-06
3,342	7.49E-07	6.29E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.53E-06	6.79E-06	5.18E-07	4.54E-06	8.77E-06	6.07E-07	5.06E-06	9.86E-06	6.33E-07	5.34E-06	1.04E-05	5.30E-07	4.54E-06	8.72E-06
3,343	7.49E-07	6.28E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.53E-06	6.79E-06	5.18E-07	4.54E-06	8.77E-06	6.06E-07	5.06E-06	9.86E-06	6.33E-07	5.34E-06	1.04E-05	5.30E-07	4.54E-06	8.71E-06
3,344	7.49E-07	6.28E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.53E-06	6.79E-06	5.17E-07	4.54E-06	8.76E-06	6.06E-07	5.06E-06	9.86E-06	6.33E-07	5.34E-06	1.04E-05	5.30E-07	4.54E-06	8.71E-06
3,345	7.49E-07	6.28E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.53E-06	6.79E-06	5.17E-07	4.54E-06	8.76E-06	6.06E-07	5.05E-06	9.86E-06	6.33E-07	5.34E-06	1.04E-05	5.30E-07	4.54E-06	8.69E-06
3,346	7.49E-07	6.28E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.53E-06	6.79E-06	5.17E-07	4.54E-06	8.76E-06	6.06E-07	5.05E-06	9.86E-06	6.32E-07	5.34E-06	1.04E-05	5.30E-07	4.53E-06	8.69E-06
3,347	7.49E-07	6.28E-06	1.22E-05	6.57E-07	5.54E-06	1.08E-05	4.04E-07	3.52E-06	6.79E-06	5.17E-07	4.54E-06	8.75E-06	6.06E-07	5.05E-06	9.85E-06	6.32E-07	5.34E-06	1.04E-05	5.30E-07	4.53E-06	8.68E-06
3,348	7.48E-07	6.28E-06	1.22E-05	6.57E-07	5.53E-06	1.08E-05	4.03E-07	3.52E-06	6.79E-06	5.17E-07	4.53E-06	8.75E-06	6.06E-07	5.05E-06	9.84E-06	6.31E-07	5.34E-06	1.04E-05	5.30E-07	4.53E-06	8.68E-06
3,349	7.48E-07	6.27E-06	1.22E-05	6.57E-07	5.53E-06	1.08E-05	4.03E-07	3.52E-06	6.78E-06	5.17E-07	4.53E-06	8.75E-06	6.06E-07	5.04E-06	9.84E-06	6.31E-07	5.34E-06	1.04E-05	5.30E-07	4.53E-06	8.68E-06
3,350	7.48E-07	6.27E-06	1.22E-05	6.56E-07	5.53E-06	1.08E-05	4.03E-07	3.52E-06	6.78E-06	5.17E-07	4.53E-06	8.75E-06	6.06E-07	5.04E-06	9.84E-06	6.31E-07	5.34E-06	1.04E-05	5.30E-07	4.52E-06	8.68E-06
3,351	7.48E-07	6.27E-06	1.22E-05	6.56E-07	5.53E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.17E-07	4.52E-06	8.75E-06	6.06E-07	5.04E-06	9.84E-06	6.30E-07	5.33E-06	1.04E-05	5.30E-07	4.52E-06	8.68E-06
3,352	7.48E-07	6.27E-06	1.22E-05	6.56E-07	5.53E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.17E-07	4.52E-06	8.75E-06	6.05E-07	5.04E-06	9.84E-06	6.30E-07	5.33E-06	1.04E-05	5.29E-07	4.52E-06	8.68E-06
3,353	7.48E-07	6.27E-06	1.22E-05	6.56E-07	5.52E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.16E-07	4.52E-06	8.74E-06	6.05E-07	5.04E-06	9.84E-06	6.30E-07	5.33E-06	1.04E-05	5.29E-07	4.52E-06	8.68E-06
3,354	7.48E-07	6.26E-06	1.22E-05	6.56E-07	5.52E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.16E-07	4.52E-06	8.74E-06	6.05E-07	5.04E-06	9.84E-06	6.30E-07	5.33E-06	1.04E-05	5.29E-07	4.52E-06	8.68E-06
3,355	7.48E-07	6.26E-06	1.22E-05	6.56E-07	5.52E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.16E-07	4.52E-06	8.74E-06	6.04E-07	5.04E-06	9.83E-06	6.30E-07	5.33E-06	1.04E-05	5.29E-07	4.52E-06	8.67E-06
3,356	7.47E-07	6.26E-06	1.22E-05	6.56E-07	5.52E-06	1.08E-05	4.03E-07	3.52E-06	6.77E-06	5.16E-07	4.52E-06	8.74E-06	6.04E-07	5.04E-06	9.83E-06	6.29E-07	5.33E-06	1.04E-05	5.29E-07	4.51E-06	8.67E-06
3,357	7.47E-07	6.26E-06	1.22E-05	6.55E-07	5.52E-06	1.08E-05	4.03E-07	3.51E-06	6.77E-06	5.16E-07	4.52E-06	8.74E-06	6.04E-07	5.04E-06	9.83E-06	6.29E-07	5.33E-06	1.04E-05	5.28E-07	4.51E-06	8.67E-06
3,358	7.47E-07	6.26E-06	1.22E-05	6.55E-07	5.51E-06	1.08E-05	4.03E-07	3.51E-06	6.76E-06	5.16E-07	4.52E-06	8.73E-06	6.04E-07	5.04E-06	9.83E-06	6.29E-07	5.32E-06	1.04E-05	5.28E-07	4.51E-06	8.65E-06
3,359	7.47E-07	6.26E-06	1.22E-05	6.55E-07	5.51E-06	1.08E-05	4.03E-07	3.51E-06	6.76E-06	5.15E-07	4.52E-06	8.73E-06	6.04E-07	5.03E-06	9.83E-06	6.29E-07	5.32E-06	1.04E-05	5.28E-07	4.51E-06	8.65E-06
3,360	7.46E-07	6.26E-06	1.22E-05	6.54E-07	5.51E-06	1.08E-05	4.03E-07	3.51E-06	6.75E-06	5.15E-07	4.52E-06	8.73E-06	6.04E-07	5.03E-06	9.83E-06	6.28E-07	5.32E-06	1.04E-05	5.28E-07	4.51E-06	8.65E-06
3,361	7.46E-07	6.26E-06	1.22E-05	6.54E-07	5.51E-06	1.08E-05	4.02E-07	3.51E-06	6.74E-06	5.15E-07	4.52E-06	8.73E-06	6.04E-07	5.03E-06	9.82E-06	6.28E-07	5.32E-06	1.04E-05	5.28E-07	4.50E-06	8.65E-06
3,362	7.46E-07	6.25E-06	1.22E-05	6.54E-07	5.51E-06	1.08E-05	4.02E-07	3.51E-06	6.74E-06	5.15E-07	4.51E-06	8.73E-06	6.04E-07	5.03E-06	9.82E-06	6.28E-07	5.32E-06	1.04E-05	5.28E-07	4.50E-06	8.65E-06
3,363	7.46E-07	6.25E-06	1.22E-05	6.54E-07	5.50E-06	1.08E-05	4.02E-07	3.51E-06	6.74E-06	5.14E-07	4.51E-06	8.73E-06	6.03E-07	5.02E-06	9.82E-06	6.28E-07	5.32E-06	1.04E-05	5.28E-07	4.50E-06	8.65E-06
3,364	7.46E-07	6.25E-06	1.22E-05	6.54E-07	5.49E-06	1.08E-05	4.02E-07	3.51E-06	6.74E-06	5.14E-07	4.51E-06	8.72E-06	6.03E-07	5.02E-06	9.82E-06	6.28E-07	5.32E-06	1.03E-05	5.28E-07	4.50E-06	8.65E-06
3,365	7.45E-07	6.25E-06	1.22E-05	6.54E-07	5.49E-06	1.08E-05	4.02E-07	3.51E-06	6.74E-06	5.14E-07	4.51E-06	8.72E-06	6.03E-07	5.02E-06	9.82E-06	6.28E-07	5.32E-06	1.03E-05	5.28E-07	4.49E-06	8.65E-06
3,366	7.45E-07	6.25E-06	1.22E-05	6.53E-07	5.49E-06	1.08E-05	4.02E-07	3.51E-06	6.73E-06	5.13E-07	4.51E-06	8.71E-06	6.03E-07	5.02E-06	9.81E-06	6.28E-07	5.31E-06	1.03E-05	5.28E-07	4.49E-06	8.65E-06
3,367	7.44E-07	6.25E-06	1.22E-05	6.53E-07	5.49E-06	1.08E-05	4.02E-07	3.50E-06	6.73E-06	5.13E-07	4.51E-06	8.71E-06	6.02E-07	5.02E-06	9.81E-06	6.28E-07	5.31E-06	1.03E-05	5.28E-07	4.49E-06	8.65E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,388	7.39E-07	6.21E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.99E-07	3.48E-06	6.68E-06	5.10E-07	4.48E-06	8.67E-06	5.99E-07	5.00E-06	9.77E-06	6.24E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,389	7.39E-07	6.21E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.99E-07	3.48E-06	6.68E-06	5.10E-07	4.48E-06	8.67E-06	5.99E-07	4.99E-06	9.77E-06	6.24E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,390	7.39E-07	6.20E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.98E-07	3.48E-06	6.68E-06	5.10E-07	4.48E-06	8.66E-06	5.99E-07	4.99E-06	9.76E-06	6.24E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,391	7.39E-07	6.20E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.68E-06	5.10E-07	4.48E-06	8.66E-06	5.99E-07	4.99E-06	9.76E-06	6.23E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,392	7.39E-07	6.20E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.67E-06	5.09E-07	4.48E-06	8.66E-06	5.99E-07	4.99E-06	9.76E-06	6.23E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,393	7.39E-07	6.20E-06	1.21E-05	6.49E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.67E-06	5.09E-07	4.48E-06	8.66E-06	5.99E-07	4.99E-06	9.76E-06	6.22E-07	5.26E-06	1.03E-05	5.23E-07	4.46E-06	8.60E-06
3,394	7.38E-07	6.20E-06	1.21E-05	6.48E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.66E-06	5.09E-07	4.48E-06	8.66E-06	5.98E-07	4.98E-06	9.76E-06	6.22E-07	5.26E-06	1.03E-05	5.22E-07	4.46E-06	8.60E-06
3,395	7.38E-07	6.20E-06	1.20E-05	6.48E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.09E-07	4.48E-06	8.65E-06	5.98E-07	4.98E-06	9.76E-06	6.22E-07	5.26E-06	1.03E-05	5.22E-07	4.45E-06	8.60E-06
3,396	7.38E-07	6.20E-06	1.20E-05	6.48E-07	5.46E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.09E-07	4.47E-06	8.65E-06	5.98E-07	4.98E-06	9.76E-06	6.22E-07	5.25E-06	1.02E-05	5.21E-07	4.45E-06	8.60E-06
3,397	7.38E-07	6.20E-06	1.20E-05	6.47E-07	5.45E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.09E-07	4.47E-06	8.65E-06	5.98E-07	4.98E-06	9.76E-06	6.21E-07	5.25E-06	1.02E-05	5.21E-07	4.45E-06	8.59E-06
3,398	7.37E-07	6.20E-06	1.20E-05	6.47E-07	5.45E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.09E-07	4.47E-06	8.65E-06	5.98E-07	4.98E-06	9.75E-06	6.21E-07	5.25E-06	1.02E-05	5.21E-07	4.45E-06	8.59E-06
3,399	7.37E-07	6.20E-06	1.20E-05	6.47E-07	5.45E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.09E-07	4.47E-06	8.64E-06	5.98E-07	4.98E-06	9.75E-06	6.21E-07	5.25E-06	1.02E-05	5.20E-07	4.45E-06	8.59E-06
3,400	7.37E-07	6.19E-06	1.20E-05	6.47E-07	5.45E-06	1.07E-05	3.98E-07	3.47E-06	6.65E-06	5.08E-07	4.47E-06	8.64E-06	5.98E-07	4.98E-06	9.73E-06	6.21E-07	5.25E-06	1.02E-05	5.20E-07	4.45E-06	8.59E-06
3,401	7.37E-07	6.19E-06	1.20E-05	6.47E-07	5.45E-06	1.07E-05	3.97E-07	3.46E-06	6.65E-06	5.08E-07	4.47E-06	8.63E-06	5.97E-07	4.98E-06	9.73E-06	6.21E-07	5.25E-06	1.02E-05	5.20E-07	4.44E-06	8.59E-06
3,402	7.36E-07	6.19E-06	1.20E-05	6.46E-07	5.45E-06	1.06E-05	3.97E-07	3.46E-06	6.65E-06	5.08E-07	4.47E-06	8.62E-06	5.96E-07	4.97E-06	9.73E-06	6.21E-07	5.24E-06	1.02E-05	5.20E-07	4.44E-06	8.59E-06
3,403	7.36E-07	6.19E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.97E-07	3.46E-06	6.65E-06	5.08E-07	4.46E-06	8.62E-06	5.96E-07	4.97E-06	9.73E-06	6.21E-07	5.24E-06	1.02E-05	5.20E-07	4.44E-06	8.59E-06
3,404	7.36E-07	6.19E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.97E-07	3.46E-06	6.64E-06	5.08E-07	4.46E-06	8.62E-06	5.96E-07	4.97E-06	9.73E-06	6.20E-07	5.24E-06	1.02E-05	5.20E-07	4.44E-06	8.59E-06
3,405	7.36E-07	6.19E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.97E-07	3.46E-06	6.64E-06	5.08E-07	4.46E-06	8.62E-06	5.96E-07	4.97E-06	9.72E-06	6.20E-07	5.24E-06	1.02E-05	5.20E-07	4.44E-06	8.58E-06
3,406	7.36E-07	6.18E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.97E-07	3.46E-06	6.64E-06	5.08E-07	4.46E-06	8.62E-06	5.96E-07	4.96E-06	9.71E-06	6.19E-07	5.23E-06	1.02E-05	5.20E-07	4.44E-06	8.58E-06
3,407	7.35E-07	6.18E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.96E-07	3.46E-06	6.64E-06	5.07E-07	4.46E-06	8.62E-06	5.96E-07	4.96E-06	9.71E-06	6.19E-07	5.23E-06	1.02E-05	5.20E-07	4.44E-06	8.58E-06
3,408	7.35E-07	6.18E-06	1.20E-05	6.46E-07	5.44E-06	1.06E-05	3.96E-07	3.46E-06	6.64E-06	5.07E-07	4.46E-06	8.62E-06	5.96E-07	4.96E-06	9.71E-06	6.18E-07	5.23E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,409	7.35E-07	6.18E-06	1.20E-05	6.45E-07	5.44E-06	1.06E-05	3.96E-07	3.46E-06	6.64E-06	5.07E-07	4.46E-06	8.62E-06	5.96E-07	4.96E-06	9.71E-06	6.18E-07	5.23E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,410	7.35E-07	6.18E-06	1.20E-05	6.45E-07	5.44E-06	1.06E-05	3.96E-07	3.45E-06	6.64E-06	5.07E-07	4.45E-06	8.61E-06	5.95E-07	4.96E-06	9.71E-06	6.18E-07	5.23E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,411	7.34E-07	6.18E-06	1.20E-05	6.44E-07	5.43E-06	1.06E-05	3.96E-07	3.45E-06	6.63E-06	5.06E-07	4.45E-06	8.61E-06	5.95E-07	4.96E-06	9.70E-06	6.17E-07	5.22E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,412	7.34E-07	6.18E-06	1.20E-05	6.44E-07	5.43E-06	1.06E-05	3.96E-07	3.45E-06	6.63E-06	5.06E-07	4.45E-06	8.61E-06	5.95E-07	4.96E-06	9.70E-06	6.17E-07	5.22E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,413	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.96E-07	3.45E-06	6.63E-06	5.06E-07	4.45E-06	8.61E-06	5.95E-07	4.95E-06	9.70E-06	6.17E-07	5.21E-06	1.02E-05	5.19E-07	4.44E-06	8.58E-06
3,414	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.96E-07	3.45E-06	6.63E-06	5.05E-07	4.45E-06	8.60E-06	5.94E-07	4.95E-06	9.69E-06	6.17E-07	5.21E-06	1.02E-05	5.18E-07	4.44E-06	8.58E-06
3,415	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.96E-07	3.45E-06	6.63E-06	5.05E-07	4.45E-06	8.60E-06	5.94E-07	4.95E-06	9.69E-06	6.17E-07	5.21E-06	1.02E-05	5.18E-07	4.44E-06	8.58E-06
3,416	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.96E-07	3.45E-06	6.62E-06	5.05E-07	4.45E-06	8.59E-06	5.94E-07	4.95E-06	9.68E-06	6.17E-07	5.21E-06	1.02E-05	5.18E-07	4.43E-06	8.57E-06
3,417	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.95E-07	3.45E-06	6.62E-06	5.05E-07	4.45E-06	8.59E-06	5.94E-07	4.95E-06	9.68E-06	6.17E-07	5.21E-06	1.02E-05	5.18E-07	4.43E-06	8.57E-06
3,418	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.42E-06	1.06E-05	3.95E-07	3.45E-06	6.62E-06	5.05E-07	4.45E-06	8.59E-06	5.93E-07	4.95E-06	9.68E-06	6.17E-07	5.21E-06	1.02E-05	5.17E-07	4.43E-06	8.57E-06
3,419	7.34E-07	6.17E-06	1.20E-05	6.44E-07	5.41E-06	1.06E-05	3.95E-07	3.44E-06	6.62E-06	5.05E-07	4.45E-06	8.59E-06	5.93E-07	4.95E-06	9.68E-06	6.16E-07	5.21E-06	1.02E-05	5.17E-07	4.43E-06	8.57E-06
3,420	7.33E-07	6.16E-06	1.20E-05	6.44E-07	5.41E-06	1.06E-05	3.95E-07	3.44E-06	6.62E-06	5.04E-07	4.45E-06	8.58E-06	5.93E-07	4.94E-06	9.67E-06	6.16E-07	5.20E-06	1.02E-05	5.17E-07	4.43E-06	8.57E-06
3,421	7.33E-07	6.16E-06	1.20E-05	6.44E-07	5.41E-06	1.06E-05	3.95E-07	3.44E-06	6.62E-06	5.04E-07	4.44E-06	8.58E-06	5.93E-07	4.94E-06	9.67E-06	6.15E-07	5.20E-06	1.02E-05	5.17E-07	4.43E-06	8.57E-06
3,422	7.33E-07	6.16E-06	1.20E-05	6.43E-07	5.41E-06	1.06E-05	3.95E-07	3.44E-06	6.62E-06	5.04E-07	4.44E-06	8.58E-06	5.91E-07	4.94E-06	9.66E-06	6.14E-07	5.20E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,423	7.33E-07	6.15E-06	1.20E-05	6.43E-07	5.41E-06	1.06E-05	3.95E-07	3.44E-06	6.61E-06	5.04E-07	4.44E-06	8.58E-06	5.91E-07	4.94E-06	9.66E-06	6.14E-07	5.20E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,424	7.33E-07	6.15E-06	1.20E-05	6.43E-07	5.40E-06	1.06E-05	3.95E-07	3.44E-06	6.61E-06	5.04E-07	4.44E-06	8.57E-06	5.91E-07	4.94E-06	9.65E-06	6.14E-07	5.20E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,425	7.32E-07	6.15E-06	1.20E-05	6.42E-07	5.40E-06	1.06E-05	3.95E-07	3.44E-06	6.61E-06	5.03E-07	4.44E-06	8.57E-06	5.91E-07	4.94E-06	9.65E-06	6.14E-07	5.20E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,426	7.32E-07	6.15E-06	1.19E-05	6.42E-07	5.40E-06	1.06E-05	3.94E-07	3.44E-06	6.61E-06	5.03E-07	4.44E-06	8.57E-06	5.91E-07	4.94E-06	9.64E-06	6.13E-07	5.20E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,427	7.32E-07	6.15E-06	1.19E-05	6.42E-07	5.40E-06	1.06E-05	3.94E-07	3.44E-06	6.61E-06	5.03E-07	4.44E-06	8.57E-06	5.90E-07	4.94E-06	9.64E-06	6.13E-07	5.19E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,428	7.31E-07	6.14E-06	1.19E-05	6.42E-07	5.40E-06	1.06E-05	3.94E-07	3.44E-06	6.61E-06	5.03E-07	4.44E-06	8.56E-06	5.90E-07	4.94E-06	9.64E-06	6.13E-07	5.19E-06	1.02E-05	5.16E-07	4.42E-06	8.56E-06
3,429	7.31E-07	6.14E-06	1.19E-05	6.42E-07	5.40E-06	1.06E-05	3.94E-07	3.44E-06	6.60E-06	5.03E-07	4.44E-06	8.56E-06	5.89E-07	4.94E-06	9.63E-06	6.13E-07	5.19E-06	1.02E-05	5.16E-07	4.42E-06	8.55E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,450	7.26E-07	6.08E-06	1.19E-05	6.38E-07	5.38E-06	1.05E-05	3.91E-07	3.41E-06	6.56E-06	5.00E-07	4.40E-06	8.53E-06	5.86E-07	4.90E-06	9.57E-06	6.09E-07	5.16E-06	1.01E-05	5.12E-07	4.38E-06	8.49E-06
3,451	7.26E-07	6.08E-06	1.19E-05	6.38E-07	5.38E-06	1.05E-05	3.91E-07	3.41E-06	6.56E-06	5.00E-07	4.40E-06	8.53E-06	5.86E-07	4.90E-06	9.57E-06	6.08E-07	5.16E-06	1.01E-05	5.12E-07	4.38E-06	8.49E-06
3,452	7.26E-07	6.08E-06	1.19E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.56E-06	4.99E-07	4.40E-06	8.53E-06	5.86E-07	4.89E-06	9.57E-06	6.08E-07	5.16E-06	1.01E-05	5.12E-07	4.38E-06	8.48E-06
3,453	7.26E-07	6.08E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.56E-06	4.99E-07	4.40E-06	8.52E-06	5.85E-07	4.89E-06	9.57E-06	6.07E-07	5.16E-06	1.01E-05	5.12E-07	4.38E-06	8.48E-06
3,454	7.26E-07	6.08E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.55E-06	4.99E-07	4.39E-06	8.52E-06	5.85E-07	4.89E-06	9.56E-06	6.07E-07	5.16E-06	1.01E-05	5.11E-07	4.38E-06	8.48E-06
3,455	7.25E-07	6.07E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.55E-06	4.98E-07	4.39E-06	8.52E-06	5.85E-07	4.89E-06	9.56E-06	6.07E-07	5.15E-06	1.01E-05	5.11E-07	4.37E-06	8.48E-06
3,456	7.25E-07	6.07E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.55E-06	4.98E-07	4.39E-06	8.52E-06	5.85E-07	4.88E-06	9.55E-06	6.07E-07	5.15E-06	1.01E-05	5.11E-07	4.37E-06	8.48E-06
3,457	7.25E-07	6.06E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.55E-06	4.98E-07	4.39E-06	8.52E-06	5.85E-07	4.88E-06	9.55E-06	6.07E-07	5.15E-06	1.01E-05	5.11E-07	4.37E-06	8.47E-06
3,458	7.24E-07	6.06E-06	1.18E-05	6.38E-07	5.37E-06	1.05E-05	3.91E-07	3.40E-06	6.54E-06	4.98E-07	4.39E-06	8.52E-06	5.84E-07	4.88E-06	9.55E-06	6.07E-07	5.15E-06	1.01E-05	5.11E-07	4.37E-06	8.47E-06
3,459	7.24E-07	6.06E-06	1.18E-05	6.37E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.54E-06	4.98E-07	4.39E-06	8.51E-06	5.84E-07	4.88E-06	9.55E-06	6.07E-07	5.15E-06	1.01E-05	5.11E-07	4.37E-06	8.47E-06
3,460	7.24E-07	6.05E-06	1.18E-05	6.37E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.54E-06	4.98E-07	4.39E-06	8.51E-06	5.84E-07	4.88E-06	9.55E-06	6.07E-07	5.14E-06	1.01E-05	5.10E-07	4.37E-06	8.47E-06
3,461	7.24E-07	6.05E-06	1.18E-05	6.37E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.54E-06	4.98E-07	4.39E-06	8.51E-06	5.84E-07	4.87E-06	9.54E-06	6.07E-07	5.14E-06	1.01E-05	5.10E-07	4.37E-06	8.46E-06
3,462	7.24E-07	6.05E-06	1.18E-05	6.37E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.54E-06	4.98E-07	4.39E-06	8.51E-06	5.84E-07	4.87E-06	9.54E-06	6.06E-07	5.14E-06	1.01E-05	5.10E-07	4.36E-06	8.46E-06
3,463	7.24E-07	6.05E-06	1.18E-05	6.36E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.53E-06	4.98E-07	4.39E-06	8.51E-06	5.84E-07	4.87E-06	9.52E-06	6.06E-07	5.14E-06	1.01E-05	5.10E-07	4.36E-06	8.46E-06
3,464	7.23E-07	6.05E-06	1.18E-05	6.36E-07	5.36E-06	1.05E-05	3.90E-07	3.40E-06	6.52E-06	4.98E-07	4.38E-06	8.50E-06	5.84E-07	4.87E-06	9.52E-06	6.06E-07	5.13E-06	1.01E-05	5.10E-07	4.36E-06	8.46E-06
3,465	7.23E-07	6.05E-06	1.18E-05	6.36E-07	5.35E-06	1.05E-05	3.90E-07	3.39E-06	6.52E-06	4.98E-07	4.38E-06	8.50E-06	5.84E-07	4.87E-06	9.52E-06	6.05E-07	5.13E-06	1.01E-05	5.09E-07	4.36E-06	8.46E-06
3,466	7.23E-07	6.05E-06	1.18E-05	6.36E-07	5.35E-06	1.05E-05	3.90E-07	3.39E-06	6.52E-06	4.98E-07	4.38E-06	8.50E-06	5.84E-07	4.86E-06	9.52E-06	6.04E-07	5.13E-06	1.01E-05	5.09E-07	4.36E-06	8.46E-06
3,467	7.23E-07	6.05E-06	1.18E-05	6.36E-07	5.35E-06	1.05E-05	3.90E-07	3.39E-06	6.52E-06	4.98E-07	4.38E-06	8.50E-06	5.84E-07	4.86E-06	9.52E-06	6.04E-07	5.13E-06	1.01E-05	5.09E-07	4.36E-06	8.45E-06
3,468	7.22E-07	6.05E-06	1.18E-05	6.36E-07	5.35E-06	1.04E-05	3.90E-07	3.39E-06	6.52E-06	4.97E-07	4.38E-06	8.50E-06	5.83E-07	4.86E-06	9.52E-06	6.04E-07	5.13E-06	1.01E-05	5.08E-07	4.36E-06	8.45E-06
3,469	7.22E-07	6.05E-06	1.18E-05	6.36E-07	5.35E-06	1.04E-05	3.90E-07	3.39E-06	6.52E-06	4.97E-07	4.38E-06	8.50E-06	5.83E-07	4.86E-06	9.51E-06	6.04E-07	5.13E-06	1.01E-05	5.08E-07	4.35E-06	8.44E-06
3,470	7.22E-07	6.05E-06	1.18E-05	6.35E-07	5.35E-06	1.04E-05	3.89E-07	3.39E-06	6.51E-06	4.97E-07	4.38E-06	8.48E-06	5.83E-07	4.85E-06	9.51E-06	6.04E-07	5.13E-06	1.00E-05	5.08E-07	4.35E-06	8.44E-06
3,471	7.22E-07	6.04E-06	1.18E-05	6.35E-07	5.35E-06	1.04E-05	3.89E-07	3.38E-06	6.51E-06	4.97E-07	4.37E-06	8.48E-06	5.83E-07	4.85E-06	9.51E-06	6.04E-07	5.12E-06	1.00E-05	5.08E-07	4.35E-06	8.44E-06
3,472	7.21E-07	6.04E-06	1.18E-05	6.35E-07	5.35E-06	1.04E-05	3.89E-07	3.38E-06	6.51E-06	4.97E-07	4.37E-06	8.47E-06	5.83E-07	4.85E-06	9.50E-06	6.04E-07	5.12E-06	1.00E-05	5.08E-07	4.35E-06	8.43E-06
3,473	7.21E-07	6.04E-06	1.18E-05	6.35E-07	5.35E-06	1.04E-05	3.89E-07	3.38E-06	6.51E-06	4.97E-07	4.37E-06	8.47E-06	5.83E-07	4.84E-06	9.50E-06	6.04E-07	5.12E-06	1.00E-05	5.07E-07	4.35E-06	8.42E-06
3,474	7.21E-07	6.04E-06	1.18E-05	6.34E-07	5.34E-06	1.04E-05	3.89E-07	3.38E-06	6.50E-06	4.97E-07	4.37E-06	8.47E-06	5.82E-07	4.84E-06	9.50E-06	6.04E-07	5.11E-06	1.00E-05	5.07E-07	4.35E-06	8.42E-06
3,475	7.21E-07	6.04E-06	1.18E-05	6.34E-07	5.34E-06	1.04E-05	3.89E-07	3.38E-06	6.50E-06	4.96E-07	4.37E-06	8.47E-06	5.82E-07	4.84E-06	9.50E-06	6.03E-07	5.11E-06	1.00E-05	5.07E-07	4.35E-06	8.42E-06
3,476	7.21E-07	6.04E-06	1.18E-05	6.34E-07	5.34E-06	1.04E-05	3.89E-07	3.38E-06	6.50E-06	4.96E-07	4.37E-06	8.46E-06	5.82E-07	4.84E-06	9.49E-06	6.03E-07	5.11E-06	1.00E-05	5.07E-07	4.34E-06	8.41E-06
3,477	7.21E-07	6.03E-06	1.17E-05	6.34E-07	5.34E-06	1.04E-05	3.89E-07	3.38E-06	6.50E-06	4.96E-07	4.36E-06	8.46E-06	5.82E-07	4.84E-06	9.49E-06	6.03E-07	5.11E-06	1.00E-05	5.07E-07	4.34E-06	8.41E-06
3,478	7.20E-07	6.03E-06	1.17E-05	6.34E-07	5.34E-06	1.04E-05	3.88E-07	3.38E-06	6.50E-06	4.96E-07	4.36E-06	8.46E-06	5.81E-07	4.84E-06	9.49E-06	6.03E-07	5.11E-06	1.00E-05	5.07E-07	4.34E-06	8.41E-06
3,479	7.19E-07	6.03E-06	1.17E-05	6.34E-07	5.34E-06	1.04E-05	3.88E-07	3.38E-06	6.50E-06	4.96E-07	4.36E-06	8.46E-06	5.81E-07	4.84E-06	9.49E-06	6.03E-07	5.10E-06	1.00E-05	5.07E-07	4.34E-06	8.41E-06
3,480	7.19E-07	6.03E-06	1.17E-05	6.34E-07	5.34E-06	1.04E-05	3.88E-07	3.38E-06	6.49E-06	4.96E-07	4.36E-06	8.46E-06	5.81E-07	4.83E-06	9.49E-06	6.02E-07	5.10E-06	1.00E-05	5.06E-07	4.34E-06	8.40E-06
3,481	7.19E-07	6.02E-06	1.17E-05	6.33E-07	5.34E-06	1.04E-05	3.88E-07	3.38E-06	6.49E-06	4.96E-07	4.36E-06	8.46E-06	5.81E-07	4.83E-06	9.48E-06	6.02E-07	5.10E-06	1.00E-05	5.06E-07	4.34E-06	8.40E-06
3,482	7.19E-07	6.02E-06	1.17E-05	6.33E-07	5.34E-06	1.04E-05	3.88E-07	3.38E-06	6.49E-06	4.96E-07	4.36E-06	8.45E-06	5.81E-07	4.83E-06	9.48E-06	6.02E-07	5.10E-06	1.00E-05	5.06E-07	4.34E-06	8.40E-06
3,483	7.19E-07	6.02E-06	1.17E-05	6.33E-07	5.33E-06	1.04E-05	3.88E-07	3.37E-06	6.49E-06	4.95E-07	4.35E-06	8.45E-06	5.81E-07	4.83E-06	9.48E-06	6.01E-07	5.10E-06	1.00E-05	5.06E-07	4.33E-06	8.40E-06
3,484	7.18E-07	6.02E-06	1.17E-05	6.32E-07	5.33E-06	1.04E-05	3.88E-07	3.37E-06	6.48E-06	4.95E-07	4.35E-06	8.45E-06	5.81E-07	4.83E-06	9.47E-06	6.01E-07	5.10E-06	1.00E-05	5.06E-07	4.33E-06	8.40E-06
3,485	7.18E-07	6.01E-06	1.17E-05	6.32E-07	5.33E-06	1.04E-05	3.88E-07	3.37E-06	6.48E-06	4.95E-07	4.35E-06	8.45E-06	5.81E-07	4.83E-06	9.47E-06	6.01E-07	5.09E-06	1.00E-05	5.06E-07	4.33E-06	8.38E-06
3,486	7.18E-07	6.01E-06	1.17E-05	6.32E-07	5.33E-06	1.04E-05	3.87E-07	3.37E-06	6.48E-06	4.95E-07	4.35E-06	8.44E-06	5.81E-07	4.83E-06	9.47E-06	6.01E-07	5.09E-06	1.00E-05	5.05E-07	4.33E-06	8.38E-06
3,487	7.18E-07	6.01E-06	1.17E-05	6.32E-07	5.32E-06	1.04E-05	3.87E-07	3.37E-06	6.48E-06	4.95E-07	4.35E-06	8.43E-06	5.80E-07	4.82E-06	9.47E-06	6.01E-07	5.09E-06	1.00E-05	5.05E-07	4.32E-06	8.38E-06
3,488	7.18E-07	6.01E-06	1.17E-05	6.32E-07	5.32E-06	1.04E-05	3.87E-07	3.37E-06	6.48E-06	4.95E-07	4.35E-06	8.42E-06	5.80E-07	4.82E-06	9.47E-06	6.01E-07	5.08E-06	1.00E-05	5.05E-07	4.32E-06	8.38E-06
3,489	7.18E-07	6.01E-06	1.17E-05	6.31E-07	5.32E-06	1.04E-05	3.87E-07	3.37E-06	6.48E-06	4.95E-07	4.34E-06	8.42E-06	5.80E-07	4.82E-06	9.47E-06	6.00E-07	5.08E-06	9.99E-06	5.05E-07	4.32E-06	8.38E-06
3,490	7.18E-07	6.00E-06	1.17E-05	6.31E-07	5.32E-06	1.04E-05	3.87E-07	3.37E-06	6.47E-06	4.94E-07	4.34E-06	8.42E-06	5.80E-07	4.82E-06	9.47E-06	6.00E-07	5.08E-06	9.99E-06	5.05E-07	4.32E-06	8.37E-06
3,491	7.17E-07	6.00E-06	1.17E-05	6.30E-07	5.32E-06	1.04E-05	3.87E-07	3.37E-06	6.47E-06	4.94E-07	4.34E-06	8.42E-06	5.79E-07	4.82E-06	9.46E-06	6.00E-07	5.08E-06	9.99E-06	5.05E-07	4.31E-06	8.37E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,512	7.13E-07	5.95E-06	1.17E-05	6.26E-07	5.28E-06	1.03E-05	3.83E-07	3.34E-06	6.43E-06	4.91E-07	4.32E-06	8.36E-06	5.75E-07	4.79E-06	9.42E-06	5.98E-07	5.06E-06	9.95E-06	5.03E-07	4.29E-06	8.30E-06
3,513	7.13E-07	5.95E-06	1.17E-05	6.26E-07	5.28E-06	1.03E-05	3.83E-07	3.34E-06	6.42E-06	4.91E-07	4.32E-06	8.36E-06	5.75E-07	4.79E-06	9.41E-06	5.98E-07	5.05E-06	9.95E-06	5.02E-07	4.29E-06	8.30E-06
3,514	7.13E-07	5.94E-06	1.17E-05	6.26E-07	5.28E-06	1.03E-05	3.83E-07	3.34E-06	6.42E-06	4.91E-07	4.32E-06	8.36E-06	5.74E-07	4.79E-06	9.41E-06	5.98E-07	5.05E-06	9.94E-06	5.02E-07	4.29E-06	8.30E-06
3,515	7.13E-07	5.94E-06	1.16E-05	6.25E-07	5.28E-06	1.03E-05	3.83E-07	3.34E-06	6.42E-06	4.91E-07	4.31E-06	8.36E-06	5.74E-07	4.79E-06	9.40E-06	5.98E-07	5.05E-06	9.94E-06	5.02E-07	4.29E-06	8.30E-06
3,516	7.13E-07	5.94E-06	1.16E-05	6.25E-07	5.28E-06	1.03E-05	3.83E-07	3.33E-06	6.42E-06	4.90E-07	4.31E-06	8.35E-06	5.74E-07	4.79E-06	9.40E-06	5.98E-07	5.05E-06	9.94E-06	5.02E-07	4.29E-06	8.30E-06
3,517	7.12E-07	5.94E-06	1.16E-05	6.25E-07	5.28E-06	1.03E-05	3.83E-07	3.33E-06	6.42E-06	4.90E-07	4.30E-06	8.35E-06	5.74E-07	4.79E-06	9.40E-06	5.98E-07	5.05E-06	9.93E-06	5.02E-07	4.29E-06	8.29E-06
3,518	7.12E-07	5.94E-06	1.16E-05	6.25E-07	5.28E-06	1.03E-05	3.83E-07	3.33E-06	6.41E-06	4.89E-07	4.30E-06	8.35E-06	5.74E-07	4.79E-06	9.40E-06	5.97E-07	5.05E-06	9.93E-06	5.02E-07	4.29E-06	8.29E-06
3,519	7.12E-07	5.94E-06	1.16E-05	6.25E-07	5.27E-06	1.03E-05	3.83E-07	3.33E-06	6.41E-06	4.89E-07	4.30E-06	8.35E-06	5.73E-07	4.79E-06	9.40E-06	5.97E-07	5.04E-06	9.93E-06	5.01E-07	4.29E-06	8.29E-06
3,520	7.12E-07	5.94E-06	1.16E-05	6.25E-07	5.27E-06	1.03E-05	3.82E-07	3.33E-06	6.41E-06	4.89E-07	4.30E-06	8.35E-06	5.73E-07	4.79E-06	9.40E-06	5.97E-07	5.04E-06	9.92E-06	5.01E-07	4.29E-06	8.29E-06
3,521	7.12E-07	5.94E-06	1.16E-05	6.25E-07	5.27E-06	1.03E-05	3.82E-07	3.33E-06	6.41E-06	4.89E-07	4.30E-06	8.35E-06	5.73E-07	4.78E-06	9.39E-06	5.97E-07	5.04E-06	9.92E-06	5.01E-07	4.28E-06	8.29E-06
3,522	7.11E-07	5.94E-06	1.16E-05	6.24E-07	5.27E-06	1.03E-05	3.82E-07	3.33E-06	6.41E-06	4.89E-07	4.30E-06	8.35E-06	5.72E-07	4.78E-06	9.39E-06	5.96E-07	5.04E-06	9.92E-06	5.00E-07	4.28E-06	8.28E-06
3,523	7.11E-07	5.94E-06	1.16E-05	6.24E-07	5.27E-06	1.03E-05	3.82E-07	3.32E-06	6.41E-06	4.88E-07	4.30E-06	8.34E-06	5.72E-07	4.78E-06	9.39E-06	5.96E-07	5.04E-06	9.90E-06	5.00E-07	4.28E-06	8.28E-06
3,524	7.11E-07	5.93E-06	1.16E-05	6.24E-07	5.27E-06	1.03E-05	3.82E-07	3.32E-06	6.41E-06	4.88E-07	4.30E-06	8.34E-06	5.72E-07	4.78E-06	9.39E-06	5.96E-07	5.04E-06	9.90E-06	5.00E-07	4.28E-06	8.28E-06
3,525	7.11E-07	5.93E-06	1.16E-05	6.24E-07	5.26E-06	1.03E-05	3.82E-07	3.32E-06	6.41E-06	4.88E-07	4.30E-06	8.34E-06	5.72E-07	4.77E-06	9.39E-06	5.96E-07	5.03E-06	9.90E-06	5.00E-07	4.28E-06	8.28E-06
3,526	7.10E-07	5.93E-06	1.16E-05	6.24E-07	5.26E-06	1.03E-05	3.82E-07	3.32E-06	6.40E-06	4.88E-07	4.29E-06	8.34E-06	5.72E-07	4.77E-06	9.38E-06	5.95E-07	5.03E-06	9.90E-06	5.00E-07	4.28E-06	8.28E-06
3,527	7.10E-07	5.93E-06	1.16E-05	6.23E-07	5.25E-06	1.03E-05	3.82E-07	3.32E-06	6.40E-06	4.88E-07	4.29E-06	8.34E-06	5.71E-07	4.77E-06	9.38E-06	5.95E-07	5.03E-06	9.89E-06	5.00E-07	4.28E-06	8.28E-06
3,528	7.10E-07	5.93E-06	1.16E-05	6.23E-07	5.25E-06	1.03E-05	3.82E-07	3.32E-06	6.40E-06	4.88E-07	4.29E-06	8.33E-06	5.71E-07	4.77E-06	9.38E-06	5.95E-07	5.03E-06	9.89E-06	5.00E-07	4.28E-06	8.27E-06
3,529	7.10E-07	5.93E-06	1.16E-05	6.23E-07	5.25E-06	1.03E-05	3.81E-07	3.32E-06	6.40E-06	4.88E-07	4.29E-06	8.33E-06	5.71E-07	4.77E-06	9.38E-06	5.95E-07	5.03E-06	9.89E-06	5.00E-07	4.28E-06	8.27E-06
3,530	7.10E-07	5.92E-06	1.16E-05	6.23E-07	5.25E-06	1.03E-05	3.81E-07	3.32E-06	6.39E-06	4.87E-07	4.29E-06	8.33E-06	5.71E-07	4.77E-06	9.38E-06	5.95E-07	5.03E-06	9.89E-06	5.00E-07	4.28E-06	8.27E-06
3,531	7.09E-07	5.92E-06	1.16E-05	6.23E-07	5.25E-06	1.03E-05	3.81E-07	3.32E-06	6.39E-06	4.87E-07	4.29E-06	8.33E-06	5.71E-07	4.76E-06	9.38E-06	5.95E-07	5.03E-06	9.89E-06	5.00E-07	4.28E-06	8.27E-06
3,532	7.09E-07	5.92E-06	1.16E-05	6.23E-07	5.24E-06	1.03E-05	3.81E-07	3.32E-06	6.39E-06	4.87E-07	4.29E-06	8.33E-06	5.71E-07	4.76E-06	9.38E-06	5.95E-07	5.02E-06	9.89E-06	5.00E-07	4.27E-06	8.27E-06
3,533	7.09E-07	5.92E-06	1.16E-05	6.22E-07	5.24E-06	1.02E-05	3.81E-07	3.31E-06	6.39E-06	4.87E-07	4.29E-06	8.33E-06	5.71E-07	4.76E-06	9.37E-06	5.95E-07	5.02E-06	9.88E-06	5.00E-07	4.27E-06	8.27E-06
3,534	7.08E-07	5.92E-06	1.16E-05	6.22E-07	5.24E-06	1.02E-05	3.81E-07	3.31E-06	6.39E-06	4.87E-07	4.29E-06	8.32E-06	5.71E-07	4.76E-06	9.37E-06	5.95E-07	5.02E-06	9.88E-06	5.00E-07	4.27E-06	8.26E-06
3,535	7.08E-07	5.91E-06	1.16E-05	6.22E-07	5.24E-06	1.02E-05	3.80E-07	3.31E-06	6.39E-06	4.87E-07	4.29E-06	8.32E-06	5.71E-07	4.76E-06	9.37E-06	5.95E-07	5.02E-06	9.88E-06	4.99E-07	4.27E-06	8.25E-06
3,536	7.08E-07	5.91E-06	1.16E-05	6.22E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.39E-06	4.87E-07	4.29E-06	8.32E-06	5.71E-07	4.75E-06	9.37E-06	5.95E-07	5.02E-06	9.88E-06	4.99E-07	4.27E-06	8.25E-06
3,537	7.08E-07	5.91E-06	1.16E-05	6.22E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.38E-06	4.87E-07	4.28E-06	8.31E-06	5.71E-07	4.75E-06	9.36E-06	5.94E-07	5.02E-06	9.87E-06	4.99E-07	4.27E-06	8.25E-06
3,538	7.08E-07	5.91E-06	1.16E-05	6.22E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.38E-06	4.86E-07	4.28E-06	8.31E-06	5.70E-07	4.75E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.99E-07	4.27E-06	8.25E-06
3,539	7.07E-07	5.91E-06	1.16E-05	6.22E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.38E-06	4.86E-07	4.28E-06	8.31E-06	5.70E-07	4.75E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.99E-07	4.27E-06	8.25E-06
3,540	7.07E-07	5.91E-06	1.16E-05	6.21E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.37E-06	4.86E-07	4.28E-06	8.31E-06	5.70E-07	4.75E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.99E-07	4.27E-06	8.24E-06
3,541	7.07E-07	5.91E-06	1.16E-05	6.21E-07	5.23E-06	1.02E-05	3.80E-07	3.31E-06	6.36E-06	4.86E-07	4.28E-06	8.30E-06	5.70E-07	4.75E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.98E-07	4.26E-06	8.24E-06
3,542	7.07E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.31E-06	6.36E-06	4.86E-07	4.28E-06	8.30E-06	5.70E-07	4.75E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.98E-07	4.26E-06	8.24E-06
3,543	7.07E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.31E-06	6.36E-06	4.86E-07	4.28E-06	8.30E-06	5.70E-07	4.74E-06	9.35E-06	5.94E-07	5.01E-06	9.87E-06	4.98E-07	4.26E-06	8.24E-06
3,544	7.07E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.31E-06	6.36E-06	4.86E-07	4.28E-06	8.30E-06	5.69E-07	4.74E-06	9.34E-06	5.94E-07	5.00E-06	9.86E-06	4.98E-07	4.26E-06	8.24E-06
3,545	7.06E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.30E-06	6.36E-06	4.86E-07	4.28E-06	8.29E-06	5.69E-07	4.74E-06	9.34E-06	5.94E-07	5.00E-06	9.86E-06	4.98E-07	4.26E-06	8.24E-06
3,546	7.06E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.30E-06	6.36E-06	4.86E-07	4.27E-06	8.29E-06	5.69E-07	4.74E-06	9.33E-06	5.93E-07	5.00E-06	9.86E-06	4.98E-07	4.26E-06	8.23E-06
3,547	7.06E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.79E-07	3.30E-06	6.36E-06	4.85E-07	4.27E-06	8.28E-06	5.69E-07	4.74E-06	9.33E-06	5.93E-07	5.00E-06	9.85E-06	4.97E-07	4.26E-06	8.23E-06
3,548	7.06E-07	5.90E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.78E-07	3.30E-06	6.35E-06	4.85E-07	4.27E-06	8.28E-06	5.68E-07	4.74E-06	9.33E-06	5.93E-07	4.99E-06	9.85E-06	4.97E-07	4.26E-06	8.23E-06
3,549	7.06E-07	5.89E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.78E-07	3.30E-06	6.35E-06	4.85E-07	4.27E-06	8.27E-06	5.68E-07	4.73E-06	9.31E-06	5.93E-07	4.99E-06	9.84E-06	4.97E-07	4.26E-06	8.23E-06
3,550	7.06E-07	5.89E-06	1.16E-05	6.21E-07	5.22E-06	1.02E-05	3.78E-07	3.30E-06	6.35E-06	4.85E-07	4.27E-06	8.27E-06	5.68E-07	4.73E-06	9.31E-06	5.93E-07	4.99E-06	9.84E-06	4.97E-07	4.26E-06	8.23E-06
3,551	7.05E-07	5.89E-06	1.16E-05	6.20E-07	5.21E-06	1.02E-05	3.78E-07	3.30E-06	6.35E-06	4.85E-07	4.27E-06	8.27E-06	5.68E-07	4.73E-06	9.31E-06	5.93E-07	4.99E-06	9.84E-06	4.97E-07	4.26E-06	8.23E-06
3,552	7.05E-07	5.88E-06	1.15E-05	6.20E-07	5.21E-06	1.02E-05	3.78E-07	3.30E-06	6.35E-06	4.85E-07	4.26E-06	8.27E-06	5.68E-07	4.73E-06	9.31E-06	5.92E-07	4.99E-06	9.83E-06	4.96E-07	4.25E-06	8.23E-06
3,553	7.05E-07	5.88E-06	1.15E-05	6.20E-07	5.21E-06	1.02E-05	3.78E-07	3.30E-06	6.34E-06	4.85E-07	4.26E-06	8.27E-06	5.68E-07	4.72E-06	9.31E-06	5.92E-07	4.98E-06	9.83E-06	4.96E-07	4.25E-06	8.22E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,574	7.02E-07	5.84E-06	1.15E-05	6.17E-07	5.18E-06	1.01E-05	3.76E-07	3.28E-06	6.30E-06	4.82E-07	4.24E-06	8.23E-06	5.64E-07	4.70E-06	9.24E-06	5.89E-07	4.94E-06	9.79E-06	4.93E-07	4.23E-06	8.16E-06
3,575	7.02E-07	5.84E-06	1.15E-05	6.16E-07	5.18E-06	1.01E-05	3.76E-07	3.28E-06	6.30E-06	4.82E-07	4.24E-06	8.22E-06	5.64E-07	4.69E-06	9.24E-06	5.89E-07	4.94E-06	9.79E-06	4.93E-07	4.23E-06	8.16E-06
3,576	7.02E-07	5.84E-06	1.15E-05	6.16E-07	5.17E-06	1.01E-05	3.76E-07	3.28E-06	6.29E-06	4.82E-07	4.24E-06	8.22E-06	5.64E-07	4.69E-06	9.24E-06	5.89E-07	4.93E-06	9.78E-06	4.93E-07	4.22E-06	8.15E-06
3,577	7.02E-07	5.84E-06	1.15E-05	6.16E-07	5.17E-06	1.01E-05	3.76E-07	3.28E-06	6.29E-06	4.81E-07	4.24E-06	8.22E-06	5.64E-07	4.69E-06	9.23E-06	5.89E-07	4.93E-06	9.78E-06	4.93E-07	4.22E-06	8.15E-06
3,578	7.01E-07	5.83E-06	1.15E-05	6.16E-07	5.17E-06	1.01E-05	3.76E-07	3.28E-06	6.29E-06	4.81E-07	4.23E-06	8.22E-06	5.64E-07	4.69E-06	9.23E-06	5.88E-07	4.93E-06	9.77E-06	4.93E-07	4.22E-06	8.15E-06
3,579	7.01E-07	5.83E-06	1.15E-05	6.16E-07	5.17E-06	1.01E-05	3.76E-07	3.27E-06	6.29E-06	4.81E-07	4.23E-06	8.22E-06	5.64E-07	4.69E-06	9.23E-06	5.88E-07	4.93E-06	9.77E-06	4.93E-07	4.22E-06	8.15E-06
3,580	7.01E-07	5.83E-06	1.15E-05	6.15E-07	5.17E-06	1.01E-05	3.76E-07	3.27E-06	6.29E-06	4.81E-07	4.23E-06	8.21E-06	5.64E-07	4.69E-06	9.23E-06	5.88E-07	4.93E-06	9.77E-06	4.93E-07	4.22E-06	8.15E-06
3,581	7.01E-07	5.83E-06	1.15E-05	6.15E-07	5.17E-06	1.01E-05	3.76E-07	3.27E-06	6.29E-06	4.81E-07	4.23E-06	8.21E-06	5.63E-07	4.69E-06	9.23E-06	5.88E-07	4.93E-06	9.76E-06	4.93E-07	4.21E-06	8.14E-06
3,582	7.01E-07	5.83E-06	1.15E-05	6.15E-07	5.17E-06	1.01E-05	3.75E-07	3.27E-06	6.29E-06	4.80E-07	4.22E-06	8.21E-06	5.63E-07	4.68E-06	9.23E-06	5.87E-07	4.93E-06	9.76E-06	4.93E-07	4.21E-06	8.14E-06
3,583	7.01E-07	5.83E-06	1.15E-05	6.15E-07	5.17E-06	1.01E-05	3.75E-07	3.27E-06	6.29E-06	4.80E-07	4.22E-06	8.21E-06	5.63E-07	4.68E-06	9.23E-06	5.87E-07	4.93E-06	9.76E-06	4.92E-07	4.21E-06	8.14E-06
3,584	7.00E-07	5.82E-06	1.15E-05	6.14E-07	5.17E-06	1.01E-05	3.75E-07	3.27E-06	6.29E-06	4.80E-07	4.22E-06	8.21E-06	5.62E-07	4.68E-06	9.23E-06	5.87E-07	4.92E-06	9.76E-06	4.92E-07	4.20E-06	8.13E-06
3,585	7.00E-07	5.82E-06	1.15E-05	6.14E-07	5.16E-06	1.01E-05	3.75E-07	3.26E-06	6.28E-06	4.80E-07	4.22E-06	8.21E-06	5.62E-07	4.68E-06	9.21E-06	5.87E-07	4.92E-06	9.76E-06	4.92E-07	4.20E-06	8.13E-06
3,586	7.00E-07	5.82E-06	1.15E-05	6.14E-07	5.16E-06	1.01E-05	3.75E-07	3.26E-06	6.28E-06	4.80E-07	4.22E-06	8.20E-06	5.62E-07	4.68E-06	9.21E-06	5.87E-07	4.92E-06	9.75E-06	4.92E-07	4.20E-06	8.13E-06
3,587	7.00E-07	5.82E-06	1.14E-05	6.14E-07	5.16E-06	1.01E-05	3.75E-07	3.26E-06	6.28E-06	4.80E-07	4.22E-06	8.19E-06	5.62E-07	4.68E-06	9.21E-06	5.87E-07	4.92E-06	9.75E-06	4.92E-07	4.20E-06	8.13E-06
3,588	7.00E-07	5.81E-06	1.14E-05	6.14E-07	5.16E-06	1.01E-05	3.74E-07	3.26E-06	6.28E-06	4.79E-07	4.21E-06	8.19E-06	5.61E-07	4.68E-06	9.19E-06	5.87E-07	4.92E-06	9.75E-06	4.92E-07	4.20E-06	8.12E-06
3,589	7.00E-07	5.81E-06	1.14E-05	6.14E-07	5.16E-06	1.01E-05	3.74E-07	3.26E-06	6.28E-06	4.79E-07	4.21E-06	8.19E-06	5.61E-07	4.68E-06	9.19E-06	5.87E-07	4.92E-06	9.75E-06	4.91E-07	4.20E-06	8.12E-06
3,590	7.00E-07	5.81E-06	1.14E-05	6.14E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.27E-06	4.79E-07	4.21E-06	8.19E-06	5.61E-07	4.68E-06	9.19E-06	5.86E-07	4.92E-06	9.74E-06	4.91E-07	4.19E-06	8.12E-06
3,591	6.99E-07	5.81E-06	1.14E-05	6.13E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.27E-06	4.79E-07	4.21E-06	8.19E-06	5.60E-07	4.68E-06	9.19E-06	5.86E-07	4.92E-06	9.74E-06	4.91E-07	4.19E-06	8.12E-06
3,592	6.99E-07	5.81E-06	1.14E-05	6.13E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.27E-06	4.79E-07	4.21E-06	8.18E-06	5.60E-07	4.68E-06	9.18E-06	5.86E-07	4.91E-06	9.73E-06	4.91E-07	4.19E-06	8.12E-06
3,593	6.99E-07	5.81E-06	1.14E-05	6.13E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.27E-06	4.79E-07	4.21E-06	8.18E-06	5.60E-07	4.67E-06	9.18E-06	5.86E-07	4.91E-06	9.73E-06	4.91E-07	4.19E-06	8.11E-06
3,594	6.99E-07	5.81E-06	1.14E-05	6.13E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.26E-06	4.79E-07	4.21E-06	8.18E-06	5.60E-07	4.67E-06	9.18E-06	5.85E-07	4.91E-06	9.73E-06	4.91E-07	4.19E-06	8.11E-06
3,595	6.98E-07	5.81E-06	1.14E-05	6.12E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.26E-06	4.79E-07	4.21E-06	8.18E-06	5.60E-07	4.67E-06	9.18E-06	5.85E-07	4.91E-06	9.73E-06	4.91E-07	4.19E-06	8.11E-06
3,596	6.98E-07	5.81E-06	1.14E-05	6.12E-07	5.15E-06	1.01E-05	3.74E-07	3.26E-06	6.25E-06	4.79E-07	4.21E-06	8.17E-06	5.59E-07	4.67E-06	9.18E-06	5.85E-07	4.91E-06	9.73E-06	4.91E-07	4.19E-06	8.11E-06
3,597	6.98E-07	5.80E-06	1.14E-05	6.12E-07	5.15E-06	1.01E-05	3.73E-07	3.26E-06	6.25E-06	4.79E-07	4.20E-06	8.17E-06	5.59E-07	4.67E-06	9.18E-06	5.85E-07	4.91E-06	9.72E-06	4.90E-07	4.19E-06	8.11E-06
3,598	6.98E-07	5.80E-06	1.14E-05	6.12E-07	5.15E-06	1.01E-05	3.73E-07	3.25E-06	6.25E-06	4.79E-07	4.20E-06	8.17E-06	5.59E-07	4.67E-06	9.18E-06	5.85E-07	4.91E-06	9.72E-06	4.90E-07	4.19E-06	8.11E-06
3,599	6.98E-07	5.80E-06	1.14E-05	6.12E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.25E-06	4.79E-07	4.20E-06	8.17E-06	5.59E-07	4.67E-06	9.16E-06	5.84E-07	4.91E-06	9.72E-06	4.90E-07	4.19E-06	8.11E-06
3,600	6.98E-07	5.80E-06	1.14E-05	6.12E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.25E-06	4.79E-07	4.20E-06	8.16E-06	5.58E-07	4.67E-06	9.16E-06	5.84E-07	4.91E-06	9.72E-06	4.90E-07	4.19E-06	8.10E-06
3,601	6.98E-07	5.80E-06	1.14E-05	6.12E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.25E-06	4.79E-07	4.20E-06	8.15E-06	5.58E-07	4.67E-06	9.15E-06	5.84E-07	4.90E-06	9.71E-06	4.90E-07	4.19E-06	8.10E-06
3,602	6.97E-07	5.80E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.25E-06	4.78E-07	4.20E-06	8.15E-06	5.58E-07	4.67E-06	9.15E-06	5.84E-07	4.90E-06	9.71E-06	4.89E-07	4.19E-06	8.10E-06
3,603	6.97E-07	5.79E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.24E-06	4.78E-07	4.20E-06	8.15E-06	5.58E-07	4.67E-06	9.14E-06	5.84E-07	4.90E-06	9.70E-06	4.89E-07	4.18E-06	8.09E-06
3,604	6.97E-07	5.79E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.73E-07	3.25E-06	6.24E-06	4.78E-07	4.20E-06	8.15E-06	5.58E-07	4.67E-06	9.14E-06	5.84E-07	4.90E-06	9.70E-06	4.89E-07	4.18E-06	8.09E-06
3,605	6.97E-07	5.79E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.25E-06	6.24E-06	4.78E-07	4.20E-06	8.15E-06	5.58E-07	4.66E-06	9.14E-06	5.83E-07	4.90E-06	9.70E-06	4.89E-07	4.18E-06	8.09E-06
3,606	6.97E-07	5.79E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.25E-06	6.24E-06	4.78E-07	4.19E-06	8.14E-06	5.58E-07	4.66E-06	9.14E-06	5.83E-07	4.90E-06	9.69E-06	4.89E-07	4.18E-06	8.09E-06
3,607	6.96E-07	5.78E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.25E-06	6.24E-06	4.77E-07	4.19E-06	8.14E-06	5.58E-07	4.66E-06	9.14E-06	5.83E-07	4.90E-06	9.69E-06	4.89E-07	4.18E-06	8.09E-06
3,608	6.96E-07	5.78E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.24E-06	6.24E-06	4.77E-07	4.19E-06	8.14E-06	5.58E-07	4.66E-06	9.12E-06	5.83E-07	4.89E-06	9.67E-06	4.88E-07	4.18E-06	8.08E-06
3,609	6.96E-07	5.78E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.24E-06	6.23E-06	4.77E-07	4.19E-06	8.14E-06	5.58E-07	4.65E-06	9.11E-06	5.83E-07	4.89E-06	9.67E-06	4.88E-07	4.18E-06	8.08E-06
3,610	6.96E-07	5.78E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.24E-06	6.23E-06	4.77E-07	4.19E-06	8.13E-06	5.58E-07	4.65E-06	9.11E-06	5.83E-07	4.89E-06	9.67E-06	4.88E-07	4.18E-06	8.08E-06
3,611	6.95E-07	5.78E-06	1.14E-05	6.11E-07	5.14E-06	1.01E-05	3.72E-07	3.24E-06	6.23E-06	4.77E-07	4.19E-06	8.13E-06	5.57E-07	4.65E-06	9.10E-06	5.83E-07	4.89E-06	9.66E-06	4.88E-07	4.17E-06	8.08E-06
3,612	6.95E-07	5.78E-06	1.14E-05	6.11E-07	5.13E-06	1.01E-05	3.72E-07	3.24E-06	6.23E-06	4.77E-07	4.19E-06	8.13E-06	5.57E-07	4.65E-06	9.10E-06	5.82E-07	4.88E-06	9.64E-06	4.87E-07	4.17E-06	8.08E-06
3,613	6.95E-07	5.78E-06	1.14E-05	6.11E-07	5.13E-06	1.01E-05	3.71E-07	3.24E-06	6.23E-06	4.77E-07	4.19E-06	8.13E-06	5.57E-07	4.65E-06	9.10E-06	5.82E-07	4.88E-06	9.64E-06	4.87E-07	4.17E-06	8.08E-06
3,614	6.95E-07	5.77E-06	1.14E-05	6.11E-07	5.13E-06	1.01E-05	3.71E-07	3.24E-06	6.22E-06	4.77E-07	4.19E-06	8.13E-06	5.57E-07	4.64E-06	9.10E-06	5.82E-07	4.88E-06	9.64E-06	4.87E-07	4.17E-06	8.07E-06
3,615	6.95E-07	5.77E-06	1.14E-05	6.10E-07	5.13E-06	1.00E-05	3.71E-07	3.24E-06	6.22E-06	4.77E-07	4.19E-06	8.13E-06	5.57E-07	4.64E-06	9.10E-06	5.82E-07	4.88E-06	9.63E-06	4.87E-07	4.17E-06	8.07E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,636	6.89E-07	5.73E-06	1.13E-05	6.06E-07	5.08E-06	1.00E-05	3.70E-07	3.21E-06	6.19E-06	4.74E-07	4.16E-06	8.09E-06	5.54E-07	4.61E-06	9.05E-06	5.78E-07	4.85E-06	9.56E-06	4.84E-07	4.15E-06	8.01E-06
3,637	6.89E-07	5.73E-06	1.13E-05	6.06E-07	5.08E-06	1.00E-05	3.69E-07	3.21E-06	6.19E-06	4.74E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.05E-06	5.77E-07	4.84E-06	9.56E-06	4.84E-07	4.15E-06	8.01E-06
3,638	6.89E-07	5.73E-06	1.13E-05	6.05E-07	5.08E-06	9.99E-06	3.69E-07	3.21E-06	6.19E-06	4.74E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.04E-06	5.77E-07	4.84E-06	9.56E-06	4.84E-07	4.14E-06	8.01E-06
3,639	6.89E-07	5.73E-06	1.13E-05	6.05E-07	5.08E-06	9.98E-06	3.69E-07	3.20E-06	6.19E-06	4.74E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.04E-06	5.77E-07	4.84E-06	9.56E-06	4.84E-07	4.14E-06	8.01E-06
3,640	6.89E-07	5.72E-06	1.13E-05	6.05E-07	5.08E-06	9.98E-06	3.69E-07	3.20E-06	6.18E-06	4.74E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.04E-06	5.77E-07	4.84E-06	9.56E-06	4.84E-07	4.14E-06	8.01E-06
3,641	6.89E-07	5.72E-06	1.13E-05	6.05E-07	5.08E-06	9.98E-06	3.69E-07	3.20E-06	6.18E-06	4.73E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.04E-06	5.77E-07	4.84E-06	9.55E-06	4.84E-07	4.14E-06	8.01E-06
3,642	6.88E-07	5.72E-06	1.13E-05	6.05E-07	5.07E-06	9.98E-06	3.68E-07	3.20E-06	6.18E-06	4.73E-07	4.16E-06	8.08E-06	5.53E-07	4.61E-06	9.04E-06	5.77E-07	4.84E-06	9.55E-06	4.83E-07	4.14E-06	8.01E-06
3,643	6.88E-07	5.72E-06	1.13E-05	6.05E-07	5.07E-06	9.98E-06	3.68E-07	3.20E-06	6.17E-06	4.73E-07	4.16E-06	8.07E-06	5.53E-07	4.61E-06	9.04E-06	5.76E-07	4.84E-06	9.55E-06	4.83E-07	4.14E-06	8.00E-06
3,644	6.88E-07	5.72E-06	1.13E-05	6.05E-07	5.07E-06	9.97E-06	3.68E-07	3.20E-06	6.17E-06	4.73E-07	4.15E-06	8.07E-06	5.53E-07	4.61E-06	9.03E-06	5.76E-07	4.83E-06	9.55E-06	4.83E-07	4.13E-06	8.00E-06
3,645	6.88E-07	5.72E-06	1.13E-05	6.05E-07	5.07E-06	9.97E-06	3.68E-07	3.20E-06	6.17E-06	4.73E-07	4.15E-06	8.07E-06	5.52E-07	4.60E-06	9.02E-06	5.76E-07	4.83E-06	9.54E-06	4.83E-07	4.13E-06	7.99E-06
3,646	6.88E-07	5.71E-06	1.13E-05	6.05E-07	5.07E-06	9.97E-06	3.68E-07	3.20E-06	6.17E-06	4.73E-07	4.15E-06	8.06E-06	5.52E-07	4.60E-06	9.02E-06	5.76E-07	4.83E-06	9.54E-06	4.83E-07	4.13E-06	7.99E-06
3,647	6.88E-07	5.71E-06	1.13E-05	6.04E-07	5.07E-06	9.97E-06	3.68E-07	3.20E-06	6.17E-06	4.72E-07	4.15E-06	8.05E-06	5.52E-07	4.60E-06	9.02E-06	5.76E-07	4.83E-06	9.52E-06	4.83E-07	4.13E-06	7.99E-06
3,648	6.88E-07	5.71E-06	1.13E-05	6.04E-07	5.07E-06	9.97E-06	3.68E-07	3.20E-06	6.17E-06	4.72E-07	4.15E-06	8.05E-06	5.51E-07	4.60E-06	9.02E-06	5.76E-07	4.83E-06	9.52E-06	4.82E-07	4.13E-06	7.99E-06
3,649	6.87E-07	5.71E-06	1.12E-05	6.04E-07	5.06E-06	9.96E-06	3.68E-07	3.19E-06	6.16E-06	4.72E-07	4.15E-06	8.05E-06	5.51E-07	4.60E-06	9.01E-06	5.76E-07	4.83E-06	9.52E-06	4.82E-07	4.13E-06	7.98E-06
3,650	6.87E-07	5.71E-06	1.12E-05	6.04E-07	5.06E-06	9.96E-06	3.68E-07	3.19E-06	6.16E-06	4.72E-07	4.15E-06	8.05E-06	5.51E-07	4.60E-06	9.01E-06	5.76E-07	4.82E-06	9.52E-06	4.82E-07	4.13E-06	7.98E-06
3,651	6.87E-07	5.71E-06	1.12E-05	6.04E-07	5.06E-06	9.96E-06	3.68E-07	3.19E-06	6.16E-06	4.72E-07	4.15E-06	8.05E-06	5.51E-07	4.60E-06	9.01E-06	5.76E-07	4.82E-06	9.52E-06	4.82E-07	4.12E-06	7.98E-06
3,652	6.87E-07	5.70E-06	1.12E-05	6.03E-07	5.06E-06	9.96E-06	3.68E-07	3.19E-06	6.16E-06	4.72E-07	4.14E-06	8.05E-06	5.51E-07	4.60E-06	9.00E-06	5.75E-07	4.82E-06	9.52E-06	4.82E-07	4.12E-06	7.98E-06
3,653	6.87E-07	5.70E-06	1.12E-05	6.03E-07	5.06E-06	9.96E-06	3.67E-07	3.19E-06	6.15E-06	4.72E-07	4.14E-06	8.05E-06	5.51E-07	4.59E-06	9.00E-06	5.75E-07	4.82E-06	9.52E-06	4.82E-07	4.12E-06	7.98E-06
3,654	6.87E-07	5.70E-06	1.12E-05	6.03E-07	5.06E-06	9.96E-06	3.67E-07	3.19E-06	6.15E-06	4.71E-07	4.14E-06	8.05E-06	5.50E-07	4.59E-06	9.00E-06	5.75E-07	4.82E-06	9.52E-06	4.81E-07	4.12E-06	7.98E-06
3,655	6.86E-07	5.70E-06	1.12E-05	6.03E-07	5.05E-06	9.96E-06	3.67E-07	3.19E-06	6.15E-06	4.71E-07	4.14E-06	8.04E-06	5.50E-07	4.59E-06	8.99E-06	5.75E-07	4.82E-06	9.51E-06	4.81E-07	4.12E-06	7.97E-06
3,656	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.05E-06	9.96E-06	3.67E-07	3.19E-06	6.15E-06	4.71E-07	4.14E-06	8.04E-06	5.50E-07	4.59E-06	8.99E-06	5.75E-07	4.81E-06	9.51E-06	4.81E-07	4.12E-06	7.97E-06
3,657	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.05E-06	9.96E-06	3.67E-07	3.19E-06	6.15E-06	4.71E-07	4.14E-06	8.04E-06	5.50E-07	4.59E-06	8.99E-06	5.74E-07	4.81E-06	9.51E-06	4.81E-07	4.12E-06	7.97E-06
3,658	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.05E-06	9.96E-06	3.67E-07	3.18E-06	6.14E-06	4.71E-07	4.14E-06	8.03E-06	5.49E-07	4.59E-06	8.99E-06	5.74E-07	4.81E-06	9.51E-06	4.80E-07	4.12E-06	7.96E-06
3,659	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.05E-06	9.96E-06	3.67E-07	3.18E-06	6.14E-06	4.71E-07	4.13E-06	8.03E-06	5.49E-07	4.58E-06	8.99E-06	5.74E-07	4.81E-06	9.50E-06	4.80E-07	4.11E-06	7.96E-06
3,660	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.04E-06	9.95E-06	3.67E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.03E-06	5.49E-07	4.58E-06	8.99E-06	5.74E-07	4.81E-06	9.50E-06	4.80E-07	4.11E-06	7.96E-06
3,661	6.86E-07	5.69E-06	1.12E-05	6.02E-07	5.04E-06	9.95E-06	3.67E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.03E-06	5.49E-07	4.58E-06	8.99E-06	5.74E-07	4.81E-06	9.49E-06	4.80E-07	4.11E-06	7.96E-06
3,662	6.85E-07	5.68E-06	1.12E-05	6.01E-07	5.04E-06	9.94E-06	3.66E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.02E-06	5.49E-07	4.58E-06	8.98E-06	5.74E-07	4.81E-06	9.49E-06	4.80E-07	4.11E-06	7.96E-06
3,663	6.85E-07	5.68E-06	1.12E-05	6.01E-07	5.04E-06	9.94E-06	3.66E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.02E-06	5.49E-07	4.58E-06	8.98E-06	5.73E-07	4.80E-06	9.49E-06	4.79E-07	4.11E-06	7.96E-06
3,664	6.85E-07	5.68E-06	1.12E-05	6.01E-07	5.04E-06	9.94E-06	3.66E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.02E-06	5.48E-07	4.58E-06	8.98E-06	5.73E-07	4.80E-06	9.49E-06	4.79E-07	4.11E-06	7.96E-06
3,665	6.84E-07	5.68E-06	1.12E-05	6.01E-07	5.04E-06	9.94E-06	3.66E-07	3.18E-06	6.13E-06	4.71E-07	4.13E-06	8.02E-06	5.48E-07	4.58E-06	8.98E-06	5.73E-07	4.80E-06	9.48E-06	4.79E-07	4.10E-06	7.96E-06
3,666	6.84E-07	5.68E-06	1.12E-05	6.01E-07	5.04E-06	9.94E-06	3.66E-07	3.18E-06	6.12E-06	4.71E-07	4.13E-06	8.02E-06	5.48E-07	4.58E-06	8.97E-06	5.73E-07	4.80E-06	9.48E-06	4.79E-07	4.10E-06	7.95E-06
3,667	6.84E-07	5.68E-06	1.12E-05	6.01E-07	5.03E-06	9.94E-06	3.66E-07	3.18E-06	6.12E-06	4.70E-07	4.13E-06	8.02E-06	5.48E-07	4.58E-06	8.97E-06	5.73E-07	4.80E-06	9.48E-06	4.79E-07	4.10E-06	7.95E-06
3,668	6.83E-07	5.68E-06	1.12E-05	6.01E-07	5.03E-06	9.93E-06	3.66E-07	3.18E-06	6.12E-06	4.70E-07	4.13E-06	8.02E-06	5.48E-07	4.57E-06	8.97E-06	5.73E-07	4.80E-06	9.48E-06	4.79E-07	4.10E-06	7.95E-06
3,669	6.83E-07	5.68E-06	1.12E-05	6.01E-07	5.03E-06	9.93E-06	3.66E-07	3.18E-06	6.12E-06	4.70E-07	4.12E-06	8.01E-06	5.48E-07	4.57E-06	8.97E-06	5.73E-07	4.79E-06	9.48E-06	4.78E-07	4.10E-06	7.95E-06
3,670	6.83E-07	5.67E-06	1.12E-05	6.00E-07	5.03E-06	9.93E-06	3.66E-07	3.17E-06	6.12E-06	4.70E-07	4.12E-06	8.00E-06	5.47E-07	4.57E-06	8.97E-06	5.72E-07	4.79E-06	9.47E-06	4.78E-07	4.10E-06	7.95E-06
3,671	6.83E-07	5.67E-06	1.12E-05	6.00E-07	5.03E-06	9.93E-06	3.66E-07	3.17E-06	6.12E-06	4.70E-07	4.12E-06	8.00E-06	5.47E-07	4.57E-06	8.96E-06	5.72E-07	4.79E-06	9.47E-06	4.78E-07	4.10E-06	7.95E-06
3,672	6.83E-07	5.67E-06	1.12E-05	6.00E-07	5.03E-06	9.93E-06	3.66E-07	3.17E-06	6.12E-06	4.70E-07	4.12E-06	8.00E-06	5.47E-07	4.57E-06	8.96E-06	5.72E-07	4.79E-06	9.47E-06	4.78E-07	4.09E-06	7.94E-06
3,673	6.83E-07	5.67E-06	1.12E-05	6.00E-07	5.03E-06	9.93E-06	3.66E-07	3.17E-06	6.12E-06	4.70E-07	4.12E-06	7.99E-06	5.47E-07	4.57E-06	8.96E-06	5.72E-07	4.79E-06	9.46E-06	4.78E-07	4.09E-06	7.94E-06
3,674	6.83E-07	5.67E-06	1.12E-05	5.99E-07	5.02E-06	9.92E-06	3.65E-07	3.17E-06	6.11E-06	4.69E-07	4.12E-06	7.99E-06	5.47E-07	4.56E-06	8.96E-06	5.71E-07	4.79E-06	9.46E-06	4.78E-07	4.09E-06	7.94E-06
3,675	6.83E-07	5.67E-06	1.12E-05	5.99E-07	5.02E-06	9.92E-06	3.65E-07	3.17E-06	6.11E-06	4.69E-07	4.12E-06	7.99E-06	5.47E-07	4.56E-06	8.96E-06	5.71E-07	4.79E-06	9.46E-06	4.78E-07	4.09E-06	7.93E-06
3,676	6.83E-07	5.67E-06	1.12E-05	5.99E-07	5.01E-06	9.92E-06	3.65E-07	3.17E-06	6.11E-06	4.69E-07	4.12E-06	7.99E-06	5.47E-07	4.56E-06	8.95E-06	5.71E-07	4.79E-06	9.46E-06	4.78E-07	4.09E-06	7.93E-06
3,677	6.82E-07	5.67E-06	1.12E-05	5.99E-07	5.01E-06	9.92E-06	3.65E-07	3.16E-06	6.10E-06	4.69E-07	4.12E-06	7.99E-06	5.47E-07	4.56E-06	8.95E-06	5.71E-07	4.79E-06	9.46E-06	4.78E-07	4.09E-06	7.93E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,698	6.78E-07	5.62E-06	1.11E-05	5.95E-07	4.98E-06	9.87E-06	3.63E-07	3.14E-06	6.07E-06	4.66E-07	4.09E-06	7.95E-06	5.43E-07	4.52E-06	8.90E-06	5.68E-07	4.75E-06	9.41E-06	4.76E-07	4.07E-06	7.88E-06
3,699	6.77E-07	5.62E-06	1.11E-05	5.95E-07	4.98E-06	9.86E-06	3.63E-07	3.14E-06	6.07E-06	4.66E-07	4.09E-06	7.95E-06	5.43E-07	4.52E-06	8.90E-06	5.68E-07	4.75E-06	9.41E-06	4.76E-07	4.07E-06	7.88E-06
3,700	6.77E-07	5.62E-06	1.11E-05	5.95E-07	4.98E-06	9.85E-06	3.63E-07	3.14E-06	6.06E-06	4.65E-07	4.09E-06	7.95E-06	5.43E-07	4.52E-06	8.90E-06	5.68E-07	4.74E-06	9.40E-06	4.76E-07	4.07E-06	7.88E-06
3,701	6.77E-07	5.62E-06	1.11E-05	5.95E-07	4.98E-06	9.85E-06	3.63E-07	3.13E-06	6.05E-06	4.65E-07	4.09E-06	7.94E-06	5.43E-07	4.52E-06	8.90E-06	5.68E-07	4.74E-06	9.40E-06	4.75E-07	4.06E-06	7.87E-06
3,702	6.77E-07	5.62E-06	1.11E-05	5.95E-07	4.97E-06	9.85E-06	3.63E-07	3.13E-06	6.05E-06	4.65E-07	4.08E-06	7.94E-06	5.42E-07	4.52E-06	8.89E-06	5.67E-07	4.74E-06	9.40E-06	4.75E-07	4.06E-06	7.87E-06
3,703	6.77E-07	5.61E-06	1.11E-05	5.95E-07	4.97E-06	9.85E-06	3.63E-07	3.13E-06	6.05E-06	4.65E-07	4.08E-06	7.94E-06	5.42E-07	4.52E-06	8.89E-06	5.67E-07	4.74E-06	9.40E-06	4.75E-07	4.06E-06	7.87E-06
3,704	6.77E-07	5.61E-06	1.11E-05	5.95E-07	4.97E-06	9.85E-06	3.62E-07	3.13E-06	6.05E-06	4.65E-07	4.08E-06	7.94E-06	5.42E-07	4.51E-06	8.89E-06	5.67E-07	4.74E-06	9.40E-06	4.75E-07	4.06E-06	7.87E-06
3,705	6.76E-07	5.61E-06	1.11E-05	5.95E-07	4.97E-06	9.84E-06	3.62E-07	3.13E-06	6.05E-06	4.65E-07	4.08E-06	7.94E-06	5.42E-07	4.51E-06	8.89E-06	5.67E-07	4.74E-06	9.39E-06	4.75E-07	4.06E-06	7.87E-06
3,706	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.97E-06	9.84E-06	3.62E-07	3.13E-06	6.05E-06	4.65E-07	4.08E-06	7.94E-06	5.42E-07	4.51E-06	8.88E-06	5.67E-07	4.74E-06	9.39E-06	4.75E-07	4.06E-06	7.87E-06
3,707	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.97E-06	9.84E-06	3.62E-07	3.13E-06	6.04E-06	4.65E-07	4.08E-06	7.94E-06	5.41E-07	4.51E-06	8.88E-06	5.67E-07	4.74E-06	9.39E-06	4.74E-07	4.06E-06	7.87E-06
3,708	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.97E-06	9.83E-06	3.62E-07	3.13E-06	6.04E-06	4.65E-07	4.08E-06	7.94E-06	5.41E-07	4.51E-06	8.88E-06	5.67E-07	4.74E-06	9.39E-06	4.74E-07	4.06E-06	7.86E-06
3,709	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.96E-06	9.83E-06	3.62E-07	3.13E-06	6.04E-06	4.65E-07	4.08E-06	7.94E-06	5.41E-07	4.51E-06	8.88E-06	5.67E-07	4.73E-06	9.38E-06	4.74E-07	4.06E-06	7.86E-06
3,710	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.96E-06	9.83E-06	3.62E-07	3.13E-06	6.04E-06	4.64E-07	4.08E-06	7.93E-06	5.40E-07	4.51E-06	8.87E-06	5.67E-07	4.73E-06	9.38E-06	4.73E-07	4.06E-06	7.86E-06
3,711	6.76E-07	5.61E-06	1.11E-05	5.94E-07	4.96E-06	9.83E-06	3.61E-07	3.13E-06	6.04E-06	4.64E-07	4.08E-06	7.93E-06	5.40E-07	4.51E-06	8.87E-06	5.67E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,712	6.75E-07	5.61E-06	1.11E-05	5.94E-07	4.96E-06	9.82E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.08E-06	7.93E-06	5.40E-07	4.50E-06	8.87E-06	5.67E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,713	6.75E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.82E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.08E-06	7.93E-06	5.40E-07	4.50E-06	8.87E-06	5.66E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,714	6.75E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.82E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.07E-06	7.93E-06	5.39E-07	4.50E-06	8.87E-06	5.66E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,715	6.75E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.82E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.07E-06	7.93E-06	5.39E-07	4.50E-06	8.86E-06	5.66E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,716	6.74E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.81E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.07E-06	7.92E-06	5.39E-07	4.50E-06	8.86E-06	5.66E-07	4.73E-06	9.37E-06	4.73E-07	4.05E-06	7.85E-06
3,717	6.74E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.81E-06	3.61E-07	3.12E-06	6.04E-06	4.64E-07	4.07E-06	7.92E-06	5.39E-07	4.50E-06	8.86E-06	5.65E-07	4.73E-06	9.37E-06	4.72E-07	4.05E-06	7.85E-06
3,718	6.74E-07	5.60E-06	1.11E-05	5.93E-07	4.96E-06	9.81E-06	3.61E-07	3.12E-06	6.03E-06	4.64E-07	4.07E-06	7.92E-06	5.39E-07	4.50E-06	8.86E-06	5.65E-07	4.73E-06	9.36E-06	4.72E-07	4.04E-06	7.85E-06
3,719	6.74E-07	5.59E-06	1.11E-05	5.93E-07	4.96E-06	9.80E-06	3.61E-07	3.12E-06	6.03E-06	4.64E-07	4.07E-06	7.92E-06	5.38E-07	4.50E-06	8.85E-06	5.65E-07	4.73E-06	9.36E-06	4.72E-07	4.04E-06	7.84E-06
3,720	6.74E-07	5.59E-06	1.11E-05	5.92E-07	4.96E-06	9.80E-06	3.61E-07	3.12E-06	6.03E-06	4.64E-07	4.07E-06	7.92E-06	5.38E-07	4.50E-06	8.85E-06	5.65E-07	4.73E-06	9.36E-06	4.72E-07	4.04E-06	7.84E-06
3,721	6.73E-07	5.59E-06	1.11E-05	5.92E-07	4.95E-06	9.80E-06	3.61E-07	3.12E-06	6.03E-06	4.64E-07	4.07E-06	7.92E-06	5.38E-07	4.50E-06	8.85E-06	5.65E-07	4.73E-06	9.36E-06	4.72E-07	4.04E-06	7.84E-06
3,722	6.73E-07	5.59E-06	1.11E-05	5.92E-07	4.95E-06	9.80E-06	3.61E-07	3.11E-06	6.02E-06	4.64E-07	4.07E-06	7.92E-06	5.38E-07	4.50E-06	8.85E-06	5.65E-07	4.72E-06	9.36E-06	4.72E-07	4.04E-06	7.84E-06
3,723	6.73E-07	5.59E-06	1.11E-05	5.92E-07	4.95E-06	9.79E-06	3.60E-07	3.11E-06	6.02E-06	4.64E-07	4.06E-06	7.92E-06	5.38E-07	4.50E-06	8.85E-06	5.64E-07	4.72E-06	9.36E-06	4.72E-07	4.04E-06	7.84E-06
3,724	6.73E-07	5.59E-06	1.11E-05	5.92E-07	4.95E-06	9.79E-06	3.60E-07	3.11E-06	6.02E-06	4.64E-07	4.06E-06	7.91E-06	5.38E-07	4.50E-06	8.84E-06	5.64E-07	4.72E-06	9.35E-06	4.71E-07	4.04E-06	7.84E-06
3,725	6.72E-07	5.58E-06	1.11E-05	5.91E-07	4.95E-06	9.79E-06	3.60E-07	3.11E-06	6.02E-06	4.63E-07	4.06E-06	7.91E-06	5.38E-07	4.49E-06	8.84E-06	5.63E-07	4.72E-06	9.35E-06	4.71E-07	4.04E-06	7.84E-06
3,726	6.72E-07	5.58E-06	1.10E-05	5.91E-07	4.95E-06	9.79E-06	3.60E-07	3.11E-06	6.02E-06	4.63E-07	4.06E-06	7.91E-06	5.38E-07	4.49E-06	8.84E-06	5.63E-07	4.72E-06	9.35E-06	4.71E-07	4.04E-06	7.84E-06
3,727	6.72E-07	5.58E-06	1.10E-05	5.91E-07	4.95E-06	9.78E-06	3.60E-07	3.11E-06	6.01E-06	4.63E-07	4.05E-06	7.91E-06	5.38E-07	4.49E-06	8.83E-06	5.63E-07	4.72E-06	9.35E-06	4.71E-07	4.04E-06	7.84E-06
3,728	6.72E-07	5.58E-06	1.10E-05	5.91E-07	4.95E-06	9.78E-06	3.60E-07	3.11E-06	6.01E-06	4.63E-07	4.05E-06	7.91E-06	5.38E-07	4.49E-06	8.83E-06	5.63E-07	4.71E-06	9.34E-06	4.71E-07	4.04E-06	7.84E-06
3,729	6.71E-07	5.58E-06	1.10E-05	5.91E-07	4.95E-06	9.77E-06	3.60E-07	3.10E-06	6.01E-06	4.63E-07	4.05E-06	7.90E-06	5.37E-07	4.49E-06	8.83E-06	5.63E-07	4.71E-06	9.34E-06	4.71E-07	4.04E-06	7.83E-06
3,730	6.71E-07	5.58E-06	1.10E-05	5.91E-07	4.95E-06	9.76E-06	3.60E-07	3.10E-06	6.01E-06	4.63E-07	4.05E-06	7.90E-06	5.37E-07	4.49E-06	8.82E-06	5.63E-07	4.71E-06	9.34E-06	4.71E-07	4.03E-06	7.83E-06
3,731	6.71E-07	5.58E-06	1.10E-05	5.91E-07	4.94E-06	9.76E-06	3.60E-07	3.10E-06	6.01E-06	4.63E-07	4.05E-06	7.90E-06	5.37E-07	4.49E-06	8.82E-06	5.63E-07	4.71E-06	9.33E-06	4.71E-07	4.03E-06	7.82E-06
3,732	6.71E-07	5.57E-06	1.10E-05	5.90E-07	4.94E-06	9.76E-06	3.59E-07	3.10E-06	6.01E-06	4.63E-07	4.05E-06	7.90E-06	5.37E-07	4.49E-06	8.82E-06	5.63E-07	4.71E-06	9.33E-06	4.70E-07	4.03E-06	7.82E-06
3,733	6.71E-07	5.57E-06	1.10E-05	5.90E-07	4.94E-06	9.75E-06	3.59E-07	3.10E-06	6.01E-06	4.63E-07	4.05E-06	7.90E-06	5.37E-07	4.49E-06	8.82E-06	5.63E-07	4.71E-06	9.33E-06	4.70E-07	4.03E-06	7.82E-06
3,734	6.71E-07	5.57E-06	1.10E-05	5.90E-07	4.94E-06	9.75E-06	3.59E-07	3.10E-06	6.00E-06	4.63E-07	4.05E-06	7.89E-06	5.37E-07	4.49E-06	8.81E-06	5.62E-07	4.71E-06	9.33E-06	4.70E-07	4.03E-06	7.81E-06
3,735	6.70E-07	5.57E-06	1.10E-05	5.90E-07	4.94E-06	9.74E-06	3.59E-07	3.10E-06	6.00E-06	4.62E-07	4.04E-06	7.89E-06	5.36E-07	4.49E-06	8.81E-06	5.62E-07	4.71E-06	9.33E-06	4.70E-07	4.03E-06	7.80E-06
3,736	6.70E-07	5.57E-06	1.10E-05	5.90E-07	4.94E-06	9.74E-06	3.59E-07	3.10E-06	6.00E-06	4.62E-07	4.04E-06	7.89E-06	5.36E-07	4.48E-06	8.81E-06	5.62E-07	4.71E-06	9.33E-06	4.70E-07	4.02E-06	7.80E-06
3,737	6.70E-07	5.56E-06	1.10E-05	5.90E-07	4.94E-06	9.74E-06	3.59E-07	3.10E-06	6.00E-06	4.62E-07	4.04E-06	7.89E-06	5.36E-07	4.48E-06	8.80E-06	5.62E-07	4.70E-06	9.33E-06	4.70E-07	4.02E-06	7.80E-06
3,738	6.70E-07	5.56E-06	1.10E-05	5.89E-07	4.94E-06	9.74E-06	3.59E-07	3.10E-06	5.99E-06	4.62E-07	4.04E-06	7.88E-06	5.36E-07	4.48E-06	8.80E-06	5.62E-07	4.70E-06	9.33E-06	4.70E-07	4.02E-06	7.78E-06
3,739	6.70E-07	5.56E-06	1.10E-05	5.89E-07	4.94E-06	9.74E-06	3.58E-07	3.10E-06	5.99E-06	4.62E-07	4.03E-06	7.88E-06	5.36E-07	4.48E-06	8.80E-06	5.61E-07	4.70E-06	9.33E-06	4.70E-07	4.02E-06	7.78E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,760	6.66E-07	5.53E-06	1.09E-05	5.86E-07	4.91E-06	9.69E-06	3.57E-07	3.07E-06	5.95E-06	4.60E-07	4.01E-06	7.83E-06	5.33E-07	4.45E-06	8.74E-06	5.57E-07	4.67E-06	9.27E-06	4.66E-07	3.99E-06	7.73E-06
3,761	6.66E-07	5.53E-06	1.09E-05	5.86E-07	4.91E-06	9.69E-06	3.57E-07	3.07E-06	5.95E-06	4.60E-07	4.01E-06	7.83E-06	5.32E-07	4.45E-06	8.74E-06	5.57E-07	4.67E-06	9.27E-06	4.66E-07	3.99E-06	7.73E-06
3,762	6.65E-07	5.53E-06	1.09E-05	5.86E-07	4.90E-06	9.68E-06	3.57E-07	3.07E-06	5.95E-06	4.60E-07	4.01E-06	7.83E-06	5.32E-07	4.45E-06	8.74E-06	5.57E-07	4.67E-06	9.27E-06	4.66E-07	3.99E-06	7.73E-06
3,763	6.65E-07	5.53E-06	1.09E-05	5.86E-07	4.90E-06	9.68E-06	3.57E-07	3.07E-06	5.95E-06	4.59E-07	4.01E-06	7.83E-06	5.32E-07	4.45E-06	8.74E-06	5.56E-07	4.67E-06	9.26E-06	4.66E-07	3.98E-06	7.73E-06
3,764	6.65E-07	5.53E-06	1.09E-05	5.86E-07	4.90E-06	9.68E-06	3.56E-07	3.07E-06	5.95E-06	4.59E-07	4.01E-06	7.83E-06	5.32E-07	4.45E-06	8.74E-06	5.56E-07	4.67E-06	9.26E-06	4.66E-07	3.98E-06	7.72E-06
3,765	6.65E-07	5.53E-06	1.09E-05	5.86E-07	4.90E-06	9.68E-06	3.56E-07	3.07E-06	5.94E-06	4.59E-07	4.01E-06	7.83E-06	5.32E-07	4.45E-06	8.73E-06	5.56E-07	4.67E-06	9.26E-06	4.65E-07	3.98E-06	7.72E-06
3,766	6.65E-07	5.52E-06	1.09E-05	5.86E-07	4.89E-06	9.68E-06	3.56E-07	3.07E-06	5.94E-06	4.59E-07	4.01E-06	7.82E-06	5.32E-07	4.45E-06	8.73E-06	5.56E-07	4.67E-06	9.26E-06	4.65E-07	3.98E-06	7.71E-06
3,767	6.65E-07	5.52E-06	1.09E-05	5.86E-07	4.89E-06	9.67E-06	3.56E-07	3.06E-06	5.93E-06	4.59E-07	4.01E-06	7.82E-06	5.32E-07	4.45E-06	8.73E-06	5.56E-07	4.67E-06	9.26E-06	4.65E-07	3.98E-06	7.71E-06
3,768	6.64E-07	5.52E-06	1.09E-05	5.85E-07	4.89E-06	9.67E-06	3.56E-07	3.06E-06	5.93E-06	4.59E-07	4.01E-06	7.82E-06	5.32E-07	4.44E-06	8.73E-06	5.55E-07	4.67E-06	9.25E-06	4.65E-07	3.98E-06	7.71E-06
3,769	6.64E-07	5.52E-06	1.09E-05	5.85E-07	4.89E-06	9.66E-06	3.56E-07	3.06E-06	5.92E-06	4.59E-07	4.00E-06	7.82E-06	5.32E-07	4.44E-06	8.73E-06	5.55E-07	4.66E-06	9.25E-06	4.65E-07	3.98E-06	7.71E-06
3,770	6.63E-07	5.52E-06	1.09E-05	5.85E-07	4.89E-06	9.66E-06	3.56E-07	3.06E-06	5.92E-06	4.59E-07	4.00E-06	7.82E-06	5.32E-07	4.44E-06	8.72E-06	5.55E-07	4.66E-06	9.24E-06	4.65E-07	3.98E-06	7.71E-06
3,771	6.63E-07	5.52E-06	1.09E-05	5.85E-07	4.88E-06	9.66E-06	3.56E-07	3.06E-06	5.92E-06	4.59E-07	4.00E-06	7.82E-06	5.31E-07	4.44E-06	8.72E-06	5.55E-07	4.66E-06	9.24E-06	4.65E-07	3.98E-06	7.71E-06
3,772	6.63E-07	5.51E-06	1.09E-05	5.84E-07	4.88E-06	9.65E-06	3.55E-07	3.06E-06	5.92E-06	4.59E-07	4.00E-06	7.81E-06	5.31E-07	4.43E-06	8.72E-06	5.55E-07	4.66E-06	9.24E-06	4.65E-07	3.98E-06	7.71E-06
3,773	6.62E-07	5.50E-06	1.09E-05	5.84E-07	4.88E-06	9.65E-06	3.55E-07	3.06E-06	5.92E-06	4.59E-07	4.00E-06	7.81E-06	5.31E-07	4.43E-06	8.71E-06	5.55E-07	4.66E-06	9.24E-06	4.64E-07	3.98E-06	7.70E-06
3,774	6.62E-07	5.50E-06	1.09E-05	5.84E-07	4.88E-06	9.65E-06	3.55E-07	3.05E-06	5.92E-06	4.59E-07	3.99E-06	7.81E-06	5.31E-07	4.43E-06	8.71E-06	5.55E-07	4.66E-06	9.23E-06	4.64E-07	3.98E-06	7.70E-06
3,775	6.62E-07	5.50E-06	1.09E-05	5.84E-07	4.88E-06	9.64E-06	3.55E-07	3.05E-06	5.92E-06	4.58E-07	3.99E-06	7.81E-06	5.31E-07	4.43E-06	8.71E-06	5.54E-07	4.66E-06	9.23E-06	4.64E-07	3.97E-06	7.70E-06
3,776	6.62E-07	5.50E-06	1.09E-05	5.83E-07	4.88E-06	9.64E-06	3.55E-07	3.05E-06	5.92E-06	4.58E-07	3.99E-06	7.80E-06	5.30E-07	4.43E-06	8.71E-06	5.54E-07	4.66E-06	9.23E-06	4.64E-07	3.97E-06	7.70E-06
3,777	6.62E-07	5.50E-06	1.09E-05	5.83E-07	4.88E-06	9.64E-06	3.55E-07	3.05E-06	5.92E-06	4.58E-07	3.99E-06	7.80E-06	5.30E-07	4.43E-06	8.71E-06	5.54E-07	4.66E-06	9.23E-06	4.64E-07	3.97E-06	7.69E-06
3,778	6.61E-07	5.50E-06	1.09E-05	5.83E-07	4.88E-06	9.63E-06	3.55E-07	3.05E-06	5.92E-06	4.58E-07	3.99E-06	7.80E-06	5.30E-07	4.42E-06	8.70E-06	5.54E-07	4.66E-06	9.23E-06	4.64E-07	3.97E-06	7.69E-06
3,779	6.61E-07	5.49E-06	1.09E-05	5.83E-07	4.88E-06	9.63E-06	3.55E-07	3.05E-06	5.91E-06	4.58E-07	3.99E-06	7.80E-06	5.30E-07	4.42E-06	8.70E-06	5.54E-07	4.66E-06	9.23E-06	4.64E-07	3.97E-06	7.68E-06
3,780	6.61E-07	5.49E-06	1.09E-05	5.82E-07	4.88E-06	9.63E-06	3.55E-07	3.05E-06	5.91E-06	4.58E-07	3.99E-06	7.80E-06	5.30E-07	4.42E-06	8.70E-06	5.54E-07	4.66E-06	9.22E-06	4.64E-07	3.97E-06	7.67E-06
3,781	6.60E-07	5.49E-06	1.09E-05	5.82E-07	4.88E-06	9.63E-06	3.55E-07	3.05E-06	5.91E-06	4.58E-07	3.98E-06	7.80E-06	5.30E-07	4.42E-06	8.70E-06	5.54E-07	4.66E-06	9.22E-06	4.64E-07	3.97E-06	7.67E-06
3,782	6.60E-07	5.49E-06	1.09E-05	5.82E-07	4.88E-06	9.63E-06	3.54E-07	3.05E-06	5.91E-06	4.58E-07	3.98E-06	7.80E-06	5.30E-07	4.41E-06	8.70E-06	5.54E-07	4.66E-06	9.22E-06	4.64E-07	3.97E-06	7.67E-06
3,783	6.60E-07	5.49E-06	1.09E-05	5.82E-07	4.88E-06	9.62E-06	3.54E-07	3.05E-06	5.91E-06	4.57E-07	3.98E-06	7.80E-06	5.30E-07	4.41E-06	8.70E-06	5.54E-07	4.66E-06	9.22E-06	4.64E-07	3.97E-06	7.66E-06
3,784	6.60E-07	5.48E-06	1.09E-05	5.82E-07	4.88E-06	9.62E-06	3.54E-07	3.05E-06	5.91E-06	4.57E-07	3.98E-06	7.80E-06	5.30E-07	4.41E-06	8.70E-06	5.54E-07	4.66E-06	9.22E-06	4.64E-07	3.97E-06	7.66E-06
3,785	6.59E-07	5.48E-06	1.09E-05	5.82E-07	4.87E-06	9.61E-06	3.54E-07	3.05E-06	5.90E-06	4.57E-07	3.98E-06	7.80E-06	5.30E-07	4.41E-06	8.70E-06	5.54E-07	4.66E-06	9.21E-06	4.63E-07	3.97E-06	7.66E-06
3,786	6.59E-07	5.48E-06	1.09E-05	5.81E-07	4.87E-06	9.61E-06	3.54E-07	3.05E-06	5.90E-06	4.57E-07	3.98E-06	7.80E-06	5.29E-07	4.41E-06	8.70E-06	5.54E-07	4.66E-06	9.21E-06	4.63E-07	3.96E-06	7.66E-06
3,787	6.59E-07	5.48E-06	1.09E-05	5.81E-07	4.87E-06	9.61E-06	3.54E-07	3.05E-06	5.90E-06	4.57E-07	3.98E-06	7.80E-06	5.29E-07	4.40E-06	8.70E-06	5.53E-07	4.65E-06	9.21E-06	4.63E-07	3.96E-06	7.66E-06
3,788	6.59E-07	5.48E-06	1.08E-05	5.81E-07	4.87E-06	9.60E-06	3.54E-07	3.05E-06	5.89E-06	4.57E-07	3.98E-06	7.79E-06	5.28E-07	4.40E-06	8.70E-06	5.53E-07	4.65E-06	9.21E-06	4.63E-07	3.96E-06	7.66E-06
3,789	6.59E-07	5.47E-06	1.08E-05	5.81E-07	4.87E-06	9.60E-06	3.53E-07	3.05E-06	5.89E-06	4.57E-07	3.97E-06	7.79E-06	5.28E-07	4.40E-06	8.69E-06	5.53E-07	4.65E-06	9.20E-06	4.63E-07	3.96E-06	7.65E-06
3,790	6.59E-07	5.47E-06	1.08E-05	5.81E-07	4.87E-06	9.60E-06	3.53E-07	3.05E-06	5.89E-06	4.57E-07	3.97E-06	7.78E-06	5.28E-07	4.40E-06	8.69E-06	5.53E-07	4.64E-06	9.20E-06	4.63E-07	3.96E-06	7.65E-06
3,791	6.59E-07	5.47E-06	1.08E-05	5.81E-07	4.87E-06	9.59E-06	3.53E-07	3.05E-06	5.89E-06	4.56E-07	3.97E-06	7.78E-06	5.28E-07	4.40E-06	8.69E-06	5.53E-07	4.64E-06	9.20E-06	4.63E-07	3.96E-06	7.65E-06
3,792	6.58E-07	5.47E-06	1.08E-05	5.81E-07	4.86E-06	9.59E-06	3.53E-07	3.04E-06	5.89E-06	4.56E-07	3.97E-06	7.77E-06	5.28E-07	4.40E-06	8.69E-06	5.52E-07	4.64E-06	9.20E-06	4.62E-07	3.96E-06	7.65E-06
3,793	6.58E-07	5.47E-06	1.08E-05	5.80E-07	4.86E-06	9.59E-06	3.53E-07	3.04E-06	5.89E-06	4.56E-07	3.97E-06	7.77E-06	5.28E-07	4.39E-06	8.68E-06	5.52E-07	4.64E-06	9.19E-06	4.62E-07	3.96E-06	7.65E-06
3,794	6.58E-07	5.47E-06	1.08E-05	5.80E-07	4.86E-06	9.58E-06	3.53E-07	3.04E-06	5.89E-06	4.56E-07	3.97E-06	7.77E-06	5.27E-07	4.39E-06	8.68E-06	5.52E-07	4.64E-06	9.18E-06	4.62E-07	3.96E-06	7.65E-06
3,795	6.58E-07	5.46E-06	1.08E-05	5.80E-07	4.86E-06	9.58E-06	3.53E-07	3.04E-06	5.89E-06	4.55E-07	3.97E-06	7.77E-06	5.27E-07	4.39E-06	8.68E-06	5.52E-07	4.64E-06	9.18E-06	4.62E-07	3.96E-06	7.64E-06
3,796	6.58E-07	5.46E-06	1.08E-05	5.79E-07	4.86E-06	9.58E-06	3.53E-07	3.04E-06	5.88E-06	4.55E-07	3.97E-06	7.77E-06	5.27E-07	4.39E-06	8.67E-06	5.52E-07	4.63E-06	9.18E-06	4.62E-07	3.96E-06	7.64E-06
3,797	6.57E-07	5.46E-06	1.08E-05	5.79E-07	4.85E-06	9.58E-06	3.52E-07	3.04E-06	5.88E-06	4.55E-07	3.97E-06	7.77E-06	5.27E-07	4.39E-06	8.67E-06	5.52E-07	4.63E-06	9.16E-06	4.62E-07	3.95E-06	7.64E-06
3,798	6.57E-07	5.46E-06	1.08E-05	5.79E-07	4.85E-06	9.57E-06	3.52E-07	3.04E-06	5.88E-06	4.55E-07	3.97E-06	7.76E-06	5.27E-07	4.39E-06	8.67E-06	5.52E-07	4.63E-06	9.16E-06	4.62E-07	3.95E-06	7.64E-06
3,799	6.57E-07	5.46E-06	1.08E-05	5.79E-07	4.85E-06	9.57E-06	3.52E-07	3.03E-06	5.88E-06	4.55E-07	3.97E-06	7.75E-06	5.27E-07	4.39E-06	8.67E-06	5.52E-07	4.63E-06	9.16E-06	4.61E-07	3.95E-06	7.64E-06
3,800	6.57E-07	5.46E-06	1.08E-05	5.79E-07	4.85E-06	9.57E-06	3.52E-07	3.03E-06	5.88E-06	4.55E-07	3.97E-06	7.75E-06	5.27E-07	4.39E-06	8.66E-06	5.52E-07	4.62E-06	9.16E-06	4.61E-07	3.95E-06	7.64E-06
3,801	6.57E-07	5.45E-06	1.08E-05	5.79E-07	4.85E-06	9.57E-06	3.52E-07	3.03E-06	5.88E-06	4.55E-07	3.97E-06	7.75E-06	5.27E-07	4.39E-06	8.66E-06	5.52E-07	4.62E-06	9.16E-06	4.61E-07	3.94E-06	7.63E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,822	6.52E-07	5.43E-06	1.08E-05	5.76E-07	4.81E-06	9.50E-06	3.50E-07	3.02E-06	5.85E-06	4.53E-07	3.94E-06	7.70E-06	5.24E-07	4.36E-06	8.61E-06	5.48E-07	4.59E-06	9.11E-06	4.59E-07	3.91E-06	7.60E-06
3,823	6.52E-07	5.43E-06	1.08E-05	5.76E-07	4.81E-06	9.49E-06	3.50E-07	3.02E-06	5.85E-06	4.53E-07	3.94E-06	7.69E-06	5.24E-07	4.36E-06	8.61E-06	5.48E-07	4.59E-06	9.11E-06	4.59E-07	3.91E-06	7.60E-06
3,824	6.51E-07	5.43E-06	1.07E-05	5.76E-07	4.81E-06	9.49E-06	3.50E-07	3.01E-06	5.84E-06	4.53E-07	3.94E-06	7.69E-06	5.24E-07	4.36E-06	8.61E-06	5.47E-07	4.59E-06	9.11E-06	4.58E-07	3.91E-06	7.60E-06
3,825	6.51E-07	5.42E-06	1.07E-05	5.76E-07	4.81E-06	9.49E-06	3.50E-07	3.01E-06	5.84E-06	4.53E-07	3.94E-06	7.69E-06	5.24E-07	4.36E-06	8.61E-06	5.47E-07	4.58E-06	9.11E-06	4.58E-07	3.91E-06	7.59E-06
3,826	6.51E-07	5.42E-06	1.07E-05	5.75E-07	4.81E-06	9.48E-06	3.50E-07	3.01E-06	5.84E-06	4.52E-07	3.94E-06	7.69E-06	5.23E-07	4.35E-06	8.61E-06	5.47E-07	4.58E-06	9.10E-06	4.58E-07	3.91E-06	7.59E-06
3,827	6.51E-07	5.42E-06	1.07E-05	5.75E-07	4.80E-06	9.48E-06	3.50E-07	3.01E-06	5.84E-06	4.52E-07	3.94E-06	7.68E-06	5.23E-07	4.35E-06	8.61E-06	5.46E-07	4.58E-06	9.10E-06	4.58E-07	3.91E-06	7.59E-06
3,828	6.51E-07	5.42E-06	1.07E-05	5.75E-07	4.80E-06	9.48E-06	3.50E-07	3.00E-06	5.84E-06	4.52E-07	3.94E-06	7.68E-06	5.22E-07	4.35E-06	8.60E-06	5.46E-07	4.58E-06	9.10E-06	4.58E-07	3.90E-06	7.59E-06
3,829	6.51E-07	5.42E-06	1.07E-05	5.75E-07	4.80E-06	9.48E-06	3.49E-07	3.00E-06	5.84E-06	4.52E-07	3.94E-06	7.67E-06	5.22E-07	4.35E-06	8.60E-06	5.46E-07	4.58E-06	9.10E-06	4.58E-07	3.90E-06	7.59E-06
3,830	6.50E-07	5.41E-06	1.07E-05	5.75E-07	4.80E-06	9.47E-06	3.49E-07	3.00E-06	5.84E-06	4.52E-07	3.94E-06	7.67E-06	5.22E-07	4.35E-06	8.60E-06	5.46E-07	4.58E-06	9.09E-06	4.57E-07	3.90E-06	7.58E-06
3,831	6.50E-07	5.41E-06	1.07E-05	5.75E-07	4.80E-06	9.47E-06	3.49E-07	3.00E-06	5.83E-06	4.52E-07	3.94E-06	7.67E-06	5.22E-07	4.35E-06	8.60E-06	5.46E-07	4.58E-06	9.09E-06	4.57E-07	3.90E-06	7.58E-06
3,832	6.50E-07	5.41E-06	1.07E-05	5.75E-07	4.80E-06	9.47E-06	3.49E-07	3.00E-06	5.83E-06	4.52E-07	3.94E-06	7.67E-06	5.22E-07	4.35E-06	8.59E-06	5.46E-07	4.57E-06	9.09E-06	4.57E-07	3.90E-06	7.57E-06
3,833	6.50E-07	5.41E-06	1.07E-05	5.75E-07	4.80E-06	9.47E-06	3.49E-07	3.00E-06	5.83E-06	4.52E-07	3.93E-06	7.67E-06	5.22E-07	4.34E-06	8.59E-06	5.45E-07	4.57E-06	9.09E-06	4.57E-07	3.90E-06	7.57E-06
3,834	6.50E-07	5.41E-06	1.07E-05	5.75E-07	4.80E-06	9.47E-06	3.49E-07	3.00E-06	5.83E-06	4.52E-07	3.93E-06	7.66E-06	5.22E-07	4.34E-06	8.59E-06	5.45E-07	4.57E-06	9.08E-06	4.57E-07	3.90E-06	7.5

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,884	6.42E-07	5.33E-06	1.06E-05	5.67E-07	4.75E-06	9.35E-06	3.42E-07	2.94E-06	5.75E-06	4.45E-07	3.87E-06	7.55E-06	5.13E-07	4.27E-06	8.48E-06	5.37E-07	4.50E-06	8.95E-06	4.50E-07	3.83E-06	7.46E-06
3,885	6.41E-07	5.33E-06	1.06E-05	5.67E-07	4.75E-06	9.34E-06	3.42E-07	2.94E-06	5.75E-06	4.45E-07	3.87E-06	7.55E-06	5.13E-07	4.27E-06	8.48E-06	5.37E-07	4.50E-06	8.95E-06	4.50E-07	3.83E-06	7.46E-06
3,886	6.41E-07	5.33E-06	1.06E-05	5.66E-07	4.74E-06	9.34E-06	3.42E-07	2.94E-06	5.75E-06	4.44E-07	3.87E-06	7.55E-06	5.13E-07	4.27E-06	8.48E-06	5.37E-07	4.50E-06	8.95E-06	4.50E-07	3.82E-06	7.45E-06
3,887	6.41E-07	5.32E-06	1.06E-05	5.66E-07	4.74E-06	9.34E-06	3.42E-07	2.94E-06	5.75E-06	4.44E-07	3.86E-06	7.54E-06	5.13E-07	4.27E-06	8.47E-06	5.37E-07	4.50E-06	8.95E-06	4.50E-07	3.82E-06	7.45E-06
3,888	6.41E-07	5.32E-06	1.05E-05	5.66E-07	4.74E-06	9.34E-06	3.42E-07	2.94E-06	5.74E-06	4.44E-07	3.86E-06	7.54E-06	5.13E-07	4.27E-06	8.47E-06	5.36E-07	4.50E-06	8.95E-06	4.50E-07	3.82E-06	7.45E-06
3,889	6.41E-07	5.32E-06	1.05E-05	5.66E-07	4.74E-06	9.34E-06	3.41E-07	2.94E-06	5.74E-06	4.44E-07	3.86E-06	7.54E-06	5.13E-07	4.27E-06	8.47E-06	5.36E-07	4.50E-06	8.95E-06	4.49E-07	3.82E-06	7.45E-06
3,890	6.41E-07	5.32E-06	1.05E-05	5.66E-07	4.74E-06	9.33E-06	3.41E-07	2.94E-06	5.73E-06	4.44E-07	3.86E-06	7.54E-06	5.12E-07	4.26E-06	8.47E-06	5.36E-07	4.50E-06	8.94E-06	4.49E-07	3.82E-06	7.45E-06
3,891	6.41E-07	5.32E-06	1.05E-05	5.65E-07	4.74E-06	9.33E-06	3.41E-07	2.94E-06	5.73E-06	4.43E-07	3.86E-06	7.54E-06	5.12E-07	4.26E-06	8.46E-06	5.36E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.45E-06
3,892	6.41E-07	5.32E-06	1.05E-05	5.65E-07	4.74E-06	9.33E-06	3.41E-07	2.94E-06	5.73E-06	4.43E-07	3.86E-06	7.54E-06	5.12E-07	4.26E-06	8.46E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.44E-06
3,893	6.40E-07	5.32E-06	1.05E-05	5.65E-07	4.73E-06	9.32E-06	3.41E-07	2.93E-06	5.73E-06	4.43E-07	3.86E-06	7.53E-06	5.12E-07	4.26E-06	8.46E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.44E-06
3,894	6.40E-07	5.31E-06	1.05E-05	5.65E-07	4.73E-06	9.32E-06	3.41E-07	2.93E-06	5.73E-06	4.43E-07	3.86E-06	7.53E-06	5.12E-07	4.26E-06	8.46E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.44E-06
3,895	6.40E-07	5.31E-06	1.05E-05	5.65E-07	4.73E-06	9.32E-06	3.41E-07	2.93E-06	5.72E-06	4.43E-07	3.86E-06	7.53E-06	5.12E-07	4.26E-06	8.46E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.44E-06
3,896	6.40E-07	5.31E-06	1.05E-05	5.65E-07	4.73E-06	9.31E-06	3.41E-07	2.93E-06	5.72E-06	4.43E-07	3.86E-06	7.53E-06	5.12E-07	4.26E-06	8.46E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.44E-06
3,897	6.40E-07	5.31E-06	1.05E-05	5.65E-07	4.73E-06	9.31E-06	3.41E-07	2.93E-06	5.72E-06	4.43E-07	3.85E-06	7.53E-06	5.12E-07	4.26E-06	8.45E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.43E-06
3,898	6.40E-07	5.31E-06	1.05E-05	5.65E-07	4.73E-06	9.31E-06	3.41E-07	2.93E-06	5.72E-06	4.43E-07	3.85E-06	7.53E-06	5.12E-07	4.26E-06	8.45E-06	5.35E-07	4.49E-06	8.94E-06	4.49E-07	3.81E-06	7.43E-06
3,899	6.39E-07	5.31E-06	1.05E-05	5.64E-07	4.73E-06	9.31E-06	3.41E-07	2.93E-06	5.72E-06	4.42E-07	3.85E-06	7.53E-06	5.11E-07	4.26E-06	8.45E-06	5.35E-07	4.49E-06	8.93E-06	4.49E-07	3.80E-06	7.43E-06
3,900	6.39E-07	5.31E-06	1.05E-05	5.64E-07	4.73E-06	9.30E-06	3.41E-07	2.93E-06	5.72E-06	4.42E-07	3.85E-06	7.53E-06	5.11E-07	4.25E-06	8.44E-06	5.35E-07	4.48E-06	8.93E-06	4.49E-07	3.80E-06	7.43E-06
3,901	6.39E-07	5.31E-06	1.05E-05	5.63E-07	4.73E-06	9.30E-06	3.40E-07	2.93E-06	5.72E-06	4.42E-07	3.85E-06	7.53E-06	5.11E-07	4.25E-06	8.44E-06	5.35E-07	4.48E-06	8.93E-06	4.49E-07	3.80E-06	7.43E-06
3,902	6.39E-07	5.30E-06	1.05E-05	5.63E-07	4.72E-06	9.29E-06	3.40E-07	2.93E-06	5.72E-06	4.42E-07	3.85E-06	7.53E-06	5.11E-07	4.25E-06	8.44E-06	5.35E-07	4.48E-06	8.93E-06	4.48E-07	3.80E-06	7.43E-06
3,903	6.39E-07	5.30E-06	1.05E-05	5.63E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.85E-06	7.53E-06	5.11E-07	4.25E-06	8.44E-06	5.35E-07	4.48E-06	8.93E-06	4.48E-07	3.80E-06	7.42E-06
3,904	6.39E-07	5.30E-06	1.05E-05	5.63E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.85E-06	7.52E-06	5.11E-07	4.25E-06	8.44E-06	5.34E-07	4.48E-06	8.92E-06	4.48E-07	3.80E-06	7.42E-06
3,905	6.39E-07	5.30E-06	1.05E-05	5.63E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.85E-06	7.52E-06	5.11E-07	4.25E-06	8.43E-06	5.34E-07	4.48E-06	8.92E-06	4.48E-07	3.80E-06	7.42E-06
3,906	6.39E-07	5.30E-06	1.05E-05	5.62E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.84E-06	7.52E-06	5.11E-07	4.25E-06	8.43E-06	5.34E-07	4.47E-06	8.92E-06	4.48E-07	3.80E-06	7.42E-06
3,907	6.39E-07	5.29E-06	1.05E-05	5.62E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.84E-06	7.51E-06	5.11E-07	4.25E-06	8.43E-06	5.34E-07	4.47E-06	8.91E-06	4.48E-07	3.80E-06	7.41E-06
3,908	6.38E-07	5.29E-06	1.05E-05	5.61E-07	4.72E-06	9.28E-06	3.40E-07	2.92E-06	5.71E-06	4.42E-07	3.84E-06	7.51E-06	5.11E-07	4.25E-06	8.43E-06	5.34E-07	4.47E-06	8.91E-06	4.48E-07	3.80E-06	7.41E-06
3,909	6.38E-07	5.29E-06	1.05E-05	5.61E-07	4.71E-06	9.27E-06	3.40E-07	2.92E-06	5.70E-06	4.41E-07	3.84E-06	7.51E-06	5.11E-07	4.25E-06	8.43E-06	5.34E-07	4.47E-06	8.91E-06	4.48E-07	3.80E-06	7.41E-06
3,910	6.38E-07	5.29E-06	1.05E-05	5.61E-07	4.71E-06	9.27E-06	3.40E-07	2.92E-06	5.70E-06	4.41E-07	3.84E-06	7.51E-06	5.11E-07	4.24E-06	8.42E-06	5.34E-07	4.47E-06	8.91E-06	4.48E-07	3.79E-06	7.41E-06
3,911	6.38E-07	5.29E-06	1.05E-05	5.61E-07	4.71E-06	9.27E-06	3.40E-07	2.92E-06	5.70E-06	4.41E-07	3.84E-06	7.50E-06	5.11E-07	4.24E-06	8.42E-06	5.34E-07	4.46E-06	8.91E-06	4.48E-07	3.79E-06	7.41E-06
3,912	6.38E-07	5.29E-06	1.05E-05	5.61E-07	4.71E-06	9.27E-06	3.40E-07	2.92E-06	5.70E-06	4.41E-07	3.84E-06	7.50E-06	5.10E-07	4.24E-06	8.42E-06	5.33E-07	4.46E-06	8.91E-06	4.48E-07	3.79E-06	7.41E-06
3,913	6.37E-07	5.29E-06	1.05E-05	5.60E-07	4.71E-06	9.27E-06	3.40E-07	2.92E-06	5.70E-06	4.41E-07	3.84E-06	7.49E-06	5.10E-07	4.24E-06	8.42E-06	5.33E-07	4.46E-06	8.90E-06	4.48E-07	3.79E-06	7.40E-06
3,914	6.37E-07	5.29E-06	1.05E-05	5.60E-07	4.70E-06	9.27E-06	3.40E-07	2.91E-06	5.70E-06	4.41E-07	3.84E-06	7.49E-06	5.10E-07	4.24E-06	8.42E-06	5.33E-07	4.45E-06	8.90E-06	4.48E-07	3.79E-06	7.40E-06
3,915	6.37E-07	5.29E-06	1.05E-05	5.60E-07	4.70E-06	9.27E-06	3.40E-07	2.91E-06	5.69E-06	4.41E-07	3.84E-06	7.49E-06	5.10E-07	4.24E-06	8.41E-06	5.33E-07	4.45E-06	8.90E-06	4.48E-07	3.79E-06	7.40E-06
3,916	6.37E-07	5.28E-06	1.05E-05	5.60E-07	4.70E-06	9.27E-06	3.39E-07	2.91E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.10E-07	4.24E-06	8.41E-06	5.33E-07	4.45E-06	8.90E-06	4.48E-07	3.79E-06	7.40E-06
3,917	6.36E-07	5.28E-06	1.05E-05	5.60E-07	4.70E-06	9.27E-06	3.39E-07	2.91E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.10E-07	4.24E-06	8.40E-06	5.33E-07	4.45E-06	8.90E-06	4.48E-07	3.79E-06	7.39E-06
3,918	6.36E-07	5.28E-06	1.05E-05	5.60E-07	4.70E-06	9.26E-06	3.39E-07	2.91E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.09E-07	4.23E-06	8.40E-06	5.33E-07	4.45E-06	8.90E-06	4.47E-07	3.79E-06	7.39E-06
3,919	6.36E-07	5.28E-06	1.05E-05	5.60E-07	4.70E-06	9.26E-06	3.39E-07	2.91E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.09E-07	4.23E-06	8.40E-06	5.33E-07	4.45E-06	8.89E-06	4.47E-07	3.79E-06	7.39E-06
3,920	6.36E-07	5.28E-06	1.05E-05	5.60E-07	4.70E-06	9.26E-06	3.39E-07	2.90E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.09E-07	4.23E-06	8.39E-06	5.33E-07	4.45E-06	8.89E-06	4.47E-07	3.79E-06	7.39E-06
3,921	6.36E-07	5.28E-06	1.05E-05	5.60E-07	4.69E-06	9.25E-06	3.38E-07	2.90E-06	5.69E-06	4.41E-07	3.83E-06	7.49E-06	5.09E-07	4.23E-06	8.39E-06	5.33E-07	4.45E-06	8.89E-06	4.47E-07	3.79E-06	7.39E-06
3,922	6.36E-07	5.28E-06	1.05E-05	5.59E-07	4.69E-06	9.25E-06	3.38E-07	2.90E-06	5.68E-06	4.40E-07	3.82E-06	7.48E-06	5.09E-07	4.23E-06	8.39E-06	5.32E-07	4.45E-06	8.89E-06	4.47E-07	3.79E-06	7.39E-06
3,923	6.35E-07	5.27E-06	1.05E-05	5.59E-07	4.69E-06	9.25E-06	3.38E-07	2.90E-06	5.68E-06	4.40E-07	3.82E-06	7.48E-06	5.09E-07	4.23E-06	8.39E-06	5.32E-07	4.45E-06	8.89E-06	4.47E-07	3.79E-06	7.39E-06
3,924	6.35E-07	5.27E-06	1.04E-05	5.59E-07	4.69E-06	9.23E-06	3.38E-07	2.90E-06	5.68E-06	4.40E-07	3.82E-06	7.48E-06	5.09E-07	4.23E-06	8.39E-06	5.32E-07	4.45E-06	8.89E-06	4.47E-07	3.78E-06	7.38E-06
3,925	6.35E-07	5.27E-06	1.04E-05	5.59E-07	4.69E-06	9.23E-06	3.38E-07	2.90E-06	5.67E-06	4.39E-07	3.82E-06	7.47E-06	5.09E-07	4.23E-06	8.39E-06	5.32E-07	4.45E-06	8.89E-06	4.47E-07	3.78E-06	7.38E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,946	6.32E-07	5.24E-06	1.04E-05	5.56E-07	4.66E-06	9.19E-06	3.36E-07	2.88E-06	5.64E-06	4.35E-07	3.79E-06	7.43E-06	5.06E-07	4.20E-06	8.35E-06	5.30E-07	4.40E-06	8.85E-06	4.44E-07	3.76E-06	7.35E-06
3,947	6.32E-07	5.24E-06	1.04E-05	5.56E-07	4.66E-06	9.19E-06	3.36E-07	2.88E-06	5.64E-06	4.35E-07	3.79E-06	7.43E-06	5.06E-07	4.20E-06	8.35E-06	5.30E-07	4.40E-06	8.84E-06	4.44E-07	3.76E-06	7.35E-06
3,948	6.32E-07	5.24E-06	1.04E-05	5.55E-07	4.65E-06	9.18E-06	3.36E-07	2.88E-06	5.64E-06	4.35E-07	3.79E-06	7.43E-06	5.06E-07	4.20E-06	8.35E-06	5.30E-07	4.40E-06	8.84E-06	4.44E-07	3.76E-06	7.35E-06
3,949	6.32E-07	5.23E-06	1.04E-05	5.55E-07	4.65E-06	9.18E-06	3.36E-07	2.88E-06	5.63E-06	4.35E-07	3.79E-06	7.43E-06	5.06E-07	4.20E-06	8.35E-06	5.29E-07	4.40E-06	8.84E-06	4.44E-07	3.76E-06	7.35E-06
3,950	6.32E-07	5.23E-06	1.04E-05	5.55E-07	4.65E-06	9.18E-06	3.36E-07	2.88E-06	5.63E-06	4.35E-07	3.79E-06	7.42E-06	5.06E-07	4.20E-06	8.34E-06	5.29E-07	4.40E-06	8.84E-06	4.44E-07	3.76E-06	7.34E-06
3,951	6.32E-07	5.23E-06	1.04E-05	5.55E-07	4.65E-06	9.17E-06	3.36E-07	2.88E-06	5.63E-06	4.35E-07	3.79E-06	7.42E-06	5.06E-07	4.20E-06	8.34E-06	5.29E-07	4.40E-06	8.84E-06	4.44E-07	3.76E-06	7.34E-06
3,952	6.31E-07	5.23E-06	1.04E-05	5.54E-07	4.65E-06	9.17E-06	3.36E-07	2.88E-06	5.63E-06	4.34E-07	3.78E-06	7.42E-06	5.06E-07	4.20E-06	8.34E-06	5.29E-07	4.40E-06	8.84E-06	4.44E-07	3.75E-06	7.34E-06
3,953	6.31E-07	5.23E-06	1.04E-05	5.54E-07	4.65E-06	9.17E-06	3.35E-07	2.88E-06	5.63E-06	4.34E-07	3.78E-06	7.42E-06	5.06E-07	4.19E-06	8.34E-06	5.29E-07	4.40E-06	8.83E-06	4.44E-07	3.75E-06	7.34E-06
3,954	6.31E-07	5.23E-06	1.04E-05	5.54E-07	4.65E-06	9.16E-06	3.35E-07	2.88E-06	5.63E-06	4.34E-07	3.77E-06	7.42E-06	5.05E-07	4.19E-06	8.34E-06	5.29E-07	4.40E-06	8.83E-06	4.43E-07	3.75E-06	7.34E-06
3,955	6.31E-07	5.23E-06	1.04E-05	5.54E-07	4.65E-06	9.15E-06	3.35E-07	2.88E-06	5.63E-06	4.34E-07	3.77E-06	7.42E-06	5.05E-07	4.19E-06	8.34E-06	5.29E-07	4.40E-06	8.83E-06	4.43E-07	3.75E-06	7.34E-06
3,956	6.31E-07	5.22E-06	1.04E-05	5.53E-07	4.64E-06	9.15E-06	3.35E-07	2.88E-06	5.62E-06	4.34E-07	3.77E-06	7.41E-06	5.05E-07	4.19E-06	8.33E-06	5.29E-07	4.40E-06	8.83E-06	4.43E-07	3.75E-06	7.33E-06
3,957	6.31E-07	5.22E-06	1.04E-05	5.53E-07	4.64E-06	9.15E-06	3.35E-07	2.88E-06	5.62E-06	4.34E-07	3.77E-06	7.41E-06	5.04E-07	4.19E-06	8.33E-06	5.29E-07	4.40E-06	8.82E-06	4.43E-07	3.74E-06	7.33E-06
3,958	6.31E-07	5.22E-06	1.04E-05	5.53E-07	4.64E-06	9.15E-06	3.35E-07	2.88E-06	5.62E-06	4.34E-07	3.77E-06	7.41E-06	5.04E-07	4.19E-06	8.33E-06	5.28E-07	4.40E-06	8.82E-06	4.43E-07	3.74E-06	7.33E-06
3,959	6.30E-07	5.22E-06	1.04E-05	5.53E-07	4.64E-06	9.14E-06	3.35E-07	2.88E-06	5.62E-06	4.33E-07	3.76E-06	7.41E-06	5.04E-07	4.19E-06	8.33E-06	5.28E-07	4.40E-06	8.82E-06	4.43E-07	3.74E-06	7.33E-06
3,960	6.30E-07	5.22E-06	1.03E-05	5.53E-07	4.64E-06	9.14E-06	3.35E-07	2.88E-06	5.62E-06	4.33E-07	3.76E-06	7.41E-06	5.04E-07	4.19E-06	8.33E-06	5.28E-07	4.39E-06	8.82E-06	4.43E-07	3.74E-06	7.33E-06
3,961	6.30E-07	5.22E-06	1.03E-05	5.53E-07	4.64E-06	9.14E-06	3.35E-07	2.88E-06	5.61E-06	4.33E-07	3.76E-06	7.41E-06	5.04E-07	4.19E-06	8.31E-06	5.28E-07	4.39E-06	8.81E-06	4.42E-07	3.74E-06	7.32E-06
3,962	6.30E-07	5.22E-06	1.03E-05	5.53E-07	4.64E-06	9.13E-06	3.35E-07	2.88E-06	5.61E-06	4.33E-07	3.76E-06	7.41E-06	5.04E-07	4.19E-06	8.31E-06	5.28E-07	4.39E-06	8.81E-06	4.42E-07	3.74E-06	7.32E-06
3,963	6.30E-07	5.21E-06	1.03E-05	5.52E-07	4.64E-06	9.13E-06	3.35E-07	2.88E-06	5.61E-06	4.33E-07	3.76E-06	7.41E-06	5.04E-07	4.19E-06	8.31E-06	5.28E-07	4.39E-06	8.80E-06	4.42E-07	3.74E-06	7.32E-06
3,964	6.30E-07	5.21E-06	1.03E-05	5.52E-07	4.63E-06	9.12E-06	3.35E-07	2.87E-06	5.61E-06	4.33E-07	3.76E-06	7.40E-06	5.04E-07	4.19E-06	8.31E-06	5.28E-07	4.39E-06	8.80E-06	4.42E-07	3.74E-06	7.31E-06
3,965	6.29E-07	5.21E-06	1.03E-05	5.52E-07	4.63E-06	9.12E-06	3.35E-07	2.87E-06	5.61E-06	4.33E-07	3.76E-06	7.40E-06	5.03E-07	4.19E-06	8.31E-06	5.27E-07	4.39E-06	8.80E-06	4.42E-07	3.74E-06	7.31E-06
3,966	6.29E-07	5.21E-06	1.03E-05	5.52E-07	4.63E-06	9.12E-06	3.35E-07	2.87E-06	5.60E-06	4.33E-07	3.75E-06	7.40E-06	5.03E-07	4.19E-06	8.30E-06	5.27E-07	4.39E-06	8.80E-06	4.42E-07	3.74E-06	7.30E-06
3,967	6.29E-07	5.20E-06	1.03E-05	5.52E-07	4.63E-06	9.12E-06	3.35E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.40E-06	5.03E-07	4.18E-06	8.30E-06	5.27E-07	4.39E-06	8.79E-06	4.42E-07	3.74E-06	7.30E-06
3,968	6.29E-07	5.20E-06	1.03E-05	5.52E-07	4.62E-06	9.12E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.40E-06	5.03E-07	4.18E-06	8.30E-06	5.27E-07	4.39E-06	8.79E-06	4.42E-07	3.74E-06	7.30E-06
3,969	6.29E-07	5.20E-06	1.03E-05	5.52E-07	4.62E-06	9.11E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.40E-06	5.03E-07	4.18E-06	8.30E-06	5.27E-07	4.39E-06	8.79E-06	4.42E-07	3.73E-06	7.30E-06
3,970	6.29E-07	5.20E-06	1.03E-05	5.52E-07	4.62E-06	9.11E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.40E-06	5.03E-07	4.18E-06	8.30E-06	5.27E-07	4.39E-06	8.79E-06	4.41E-07	3.73E-06	7.29E-06
3,971	6.28E-07	5.20E-06	1.03E-05	5.52E-07	4.62E-06	9.11E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.40E-06	5.03E-07	4.18E-06	8.29E-06	5.27E-07	4.39E-06	8.79E-06	4.41E-07	3.73E-06	7.28E-06
3,972	6.28E-07	5.20E-06	1.03E-05	5.52E-07	4.62E-06	9.11E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.39E-06	5.03E-07	4.18E-06	8.29E-06	5.27E-07	4.38E-06	8.78E-06	4.41E-07	3.73E-06	7.28E-06
3,973	6.28E-07	5.20E-06	1.03E-05	5.51E-07	4.62E-06	9.11E-06	3.34E-07	2.87E-06	5.60E-06	4.32E-07	3.75E-06	7.39E-06	5.03E-07	4.18E-06	8.28E-06	5.26E-07	4.38E-06	8.78E-06	4.41E-07	3.73E-06	7.28E-06
3,974	6.28E-07	5.19E-06	1.03E-05	5.51E-07	4.61E-06	9.11E-06	3.34E-07	2.87E-06	5.59E-06	4.32E-07	3.75E-06	7.39E-06	5.03E-07	4.18E-06	8.28E-06	5.26E-07	4.38E-06	8.78E-06	4.41E-07	3.73E-06	7.28E-06
3,975	6.27E-07	5.19E-06	1.03E-05	5.51E-07	4.61E-06	9.11E-06	3.34E-07	2.87E-06	5.59E-06	4.32E-07	3.74E-06	7.39E-06	5.03E-07	4.18E-06	8.28E-06	5.26E-07	4.38E-06	8.78E-06	4.41E-07	3.73E-06	7.28E-06
3,976	6.27E-07	5.19E-06	1.03E-05	5.51E-07	4.61E-06	9.11E-06	3.34E-07	2.87E-06	5.59E-06	4.32E-07	3.74E-06	7.38E-06	5.03E-07	4.17E-06	8.28E-06	5.26E-07	4.38E-06	8.78E-06	4.41E-07	3.73E-06	7.27E-06
3,977	6.27E-07	5.19E-06	1.03E-05	5.51E-07	4.61E-06	9.10E-06	3.34E-07	2.87E-06	5.59E-06	4.31E-07	3.74E-06	7.38E-06	5.02E-07	4.17E-06	8.28E-06	5.26E-07	4.37E-06	8.78E-06	4.41E-07	3.73E-06	7.27E-06
3,978	6.26E-07	5.19E-06	1.03E-05	5.51E-07	4.60E-06	9.10E-06	3.33E-07	2.87E-06	5.59E-06	4.31E-07	3.74E-06	7.38E-06	5.02E-07	4.17E-06	8.27E-06	5.25E-07	4.37E-06	8.77E-06	4.40E-07	3.73E-06	7.27E-06
3,979	6.26E-07	5.19E-06	1.03E-05	5.51E-07	4.60E-06	9.10E-06	3.33E-07	2.87E-06	5.58E-06	4.31E-07	3.74E-06	7.38E-06	5.02E-07	4.17E-06	8.27E-06	5.25E-07	4.37E-06	8.77E-06	4.40E-07	3.73E-06	7.27E-06
3,980	6.26E-07	5.18E-06	1.03E-05	5.50E-07	4.60E-06	9.09E-06	3.33E-07	2.87E-06	5.58E-06	4.31E-07	3.74E-06	7.38E-06	5.01E-07	4.17E-06	8.27E-06	5.25E-07	4.37E-06	8.77E-06	4.39E-07	3.73E-06	7.27E-06
3,981	6.26E-07	5.18E-06	1.03E-05	5.50E-07	4.60E-06	9.09E-06	3.33E-07	2.87E-06	5.58E-06	4.30E-07	3.74E-06	7.38E-06	5.01E-07	4.17E-06	8.27E-06	5.25E-07	4.37E-06	8.77E-06	4.39E-07	3.73E-06	7.27E-06
3,982	6.25E-07	5.18E-06	1.03E-05	5.50E-07	4.59E-06	9.09E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.74E-06	7.38E-06	5.01E-07	4.17E-06	8.26E-06	5.25E-07	4.37E-06	8.77E-06	4.39E-07	3.73E-06	7.26E-06
3,983	6.25E-07	5.17E-06	1.03E-05	5.50E-07	4.59E-06	9.09E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.74E-06	7.37E-06	5.01E-07	4.17E-06	8.26E-06	5.25E-07	4.37E-06	8.77E-06	4.39E-07	3.73E-06	7.26E-06
3,984	6.25E-07	5.17E-06	1.03E-05	5.50E-07	4.59E-06	9.09E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.74E-06	7.37E-06	5.01E-07	4.17E-06	8.25E-06	5.25E-07	4.37E-06	8.77E-06	4.38E-07	3.72E-06	7.26E-06
3,985	6.25E-07	5.17E-06	1.03E-05	5.50E-07	4.59E-06	9.09E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.74E-06	7.35E-06	5.01E-07	4.16E-06	8.25E-06	5.24E-07	4.37E-06	8.76E-06	4.38E-07	3.72E-06	7.26E-06
3,986	6.25E-07	5.17E-06	1.03E-05	5.50E-07	4.58E-06	9.08E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.74E-06	7.35E-06	5.01E-07	4.16E-06	8.25E-06	5.24E-07	4.36E-06	8.76E-06	4.38E-07	3.72E-06	7.26E-06
3,987	6.25E-07	5.17E-06	1.03E-05	5.50E-07	4.58E-06	9.08E-06	3.33E-07	2.86E-06	5.58E-06	4.30E-07	3.73E-06	7.35E-06	5.01E-07	4.16E-06	8.25E-06	5.24E-07	4.36E-06	8.76E-06	4.38E-07	3.72E-06	7.26E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,008	6.21E-07	5.15E-06	1.02E-05	5.46E-07	4.56E-06	9.03E-06	3.31E-07	2.84E-06	5.55E-06	4.27E-07	3.72E-06	7.31E-06	4.98E-07	4.13E-06	8.21E-06	5.21E-07	4.32E-06	8.70E-06	4.35E-07	3.69E-06	7.22E-06
4,009	6.21E-07	5.15E-06	1.02E-05	5.46E-07	4.56E-06	9.03E-06	3.31E-07	2.84E-06	5.55E-06	4.27E-07	3.71E-06	7.31E-06	4.98E-07	4.13E-06	8.21E-06	5.21E-07	4.32E-06	8.70E-06	4.35E-07	3.69E-06	7.22E-06
4,010	6.21E-07	5.15E-06	1.02E-05	5.46E-07	4.56E-06	9.03E-06	3.31E-07	2.84E-06	5.54E-06	4.27E-07	3.71E-06	7.31E-06	4.97E-07	4.13E-06	8.20E-06	5.21E-07	4.32E-06	8.70E-06	4.35E-07	3.69E-06	7.22E-06
4,011	6.21E-07	5.14E-06	1.02E-05	5.45E-07	4.56E-06	9.02E-06	3.30E-07	2.84E-06	5.54E-06	4.27E-07	3.71E-06	7.31E-06	4.97E-07	4.13E-06	8.20E-06	5.21E-07	4.32E-06	8.70E-06	4.35E-07	3.69E-06	7.22E-06
4,012	6.21E-07	5.14E-06	1.02E-05	5.45E-07	4.56E-06	9.02E-06	3.30E-07	2.84E-06	5.54E-06	4.27E-07	3.71E-06	7.30E-06	4.97E-07	4.12E-06	8.20E-06	5.21E-07	4.32E-06	8.69E-06	4.35E-07	3.69E-06	7.22E-06
4,013	6.21E-07	5.14E-06	1.02E-05	5.45E-07	4.56E-06	9.02E-06	3.30E-07	2.84E-06	5.54E-06	4.27E-07	3.71E-06	7.30E-06	4.97E-07	4.12E-06	8.20E-06	5.21E-07	4.31E-06	8.69E-06	4.35E-07	3.69E-06	7.22E-06
4,014	6.20E-07	5.14E-06	1.02E-05	5.45E-07	4.56E-06	9.02E-06	3.30E-07	2.84E-06	5.54E-06	4.27E-07	3.71E-06	7.30E-06	4.97E-07	4.12E-06	8.20E-06	5.21E-07	4.31E-06	8.69E-06	4.35E-07	3.69E-06	7.22E-06
4,015	6.20E-07	5.14E-06	1.02E-05	5.45E-07	4.56E-06	9.01E-06	3.30E-07	2.84E-06	5.53E-06	4.27E-07	3.70E-06	7.30E-06	4.97E-07	4.12E-06	8.19E-06	5.20E-07	4.31E-06	8.69E-06	4.34E-07	3.69E-06	7.20E-06
4,016	6.20E-07	5.14E-06	1.02E-05	5.45E-07	4.55E-06	9.01E-06	3.30E-07	2.84E-06	5.53E-06	4.27E-07	3.70E-06	7.30E-06	4.97E-07	4.12E-06	8.19E-06	5.20E-07	4.31E-06	8.69E-06	4.34E-07	3.69E-06	7.20E-06
4,017	6.20E-07	5.14E-06	1.02E-05	5.45E-07	4.55E-06	9.01E-06	3.30E-07	2.84E-06	5.53E-06	4.27E-07	3.70E-06	7.29E-06	4.97E-07	4.12E-06	8.19E-06	5.20E-07	4.31E-06	8.69E-06	4.33E-07	3.69E-06	7.20E-06
4,018	6.20E-07	5.14E-06	1.01E-05	5.45E-07	4.55E-06	9.00E-06	3.30E-07	2.84E-06	5.53E-06	4.26E-07	3.70E-06	7.29E-06	4.97E-07	4.11E-06	8.18E-06	5.20E-07	4.31E-06	8.68E-06	4.33E-07	3.69E-06	7.20E-06
4,019	6.20E-07	5.13E-06	1.01E-05	5.45E-07	4.55E-06	9.00E-06	3.30E-07	2.84E-06	5.53E-06	4.26E-07	3.70E-06	7.29E-06	4.97E-07	4.11E-06	8.18E-06	5.20E-07	4.30E-06	8.68E-06	4.33E-07	3.68E-06	7.20E-06
4,020	6.20E-07	5.13E-06	1.01E-05	5.45E-07	4.55E-06	9.00E-06	3.30E-07	2.84E-06	5.52E-06	4.26E-07	3.70E-06	7.29E-06	4.97E-07	4.11E-06	8.18E-06	5.19E-07	4.30E-06	8.68E-06	4.33E-07	3.68E-06	7.20E-06
4,021	6.20E-07	5.13E-06	1.01E-05	5.44E-07	4.55E-06	9.00E-06	3.30E-07	2.84E-06	5.52E-06	4.26E-07	3.70E-06	7.29E-06	4.97E-07	4.11E-06	8.18E-06	5.19E-07	4.30E-06	8.67E-06	4.33E-07	3.68E-06	7.20E-06
4,022	6.20E-07	5.13E-06	1.01E-05	5.44E-07	4.55E-06	9.00E-06	3.30E-07	2.84E-06	5.52E-06	4.26E-07	3.70E-06	7.29E-06	4.97E-07	4.11E-06	8.18E-06	5.19E-07	4.30E-06	8.67E-06	4.33E-07	3.68E-06	7.20E-06
4,023	6.19E-07	5.13E-06	1.01E-05	5.44E-07	4.55E-06	9.00E-06	3.29E-07	2.83E-06	5.52E-06	4.25E-07	3.70E-06	7.28E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.30E-06	8.67E-06	4.32E-07	3.68E-06	7.19E-06
4,024	6.19E-07	5.13E-06	1.01E-05	5.44E-07	4.54E-06	8.99E-06	3.29E-07	2.83E-06	5.52E-06	4.25E-07	3.70E-06	7.28E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.30E-06	8.67E-06	4.32E-07	3.68E-06	7.19E-06
4,025	6.19E-07	5.12E-06	1.01E-05	5.44E-07	4.54E-06	8.99E-06	3.29E-07	2.83E-06	5.52E-06	4.25E-07	3.70E-06	7.28E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.29E-06	8.66E-06	4.32E-07	3.68E-06	7.19E-06
4,026	6.18E-07	5.12E-06	1.01E-05	5.44E-07	4.54E-06	8.99E-06	3.29E-07	2.83E-06	5.52E-06	4.25E-07	3.70E-06	7.27E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.29E-06	8.66E-06	4.32E-07	3.68E-06	7.19E-06
4,027	6.18E-07	5.12E-06	1.01E-05	5.44E-07	4.53E-06	8.99E-06	3.29E-07	2.83E-06	5.51E-06	4.25E-07	3.69E-06	7.27E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.28E-06	8.66E-06	4.32E-07	3.67E-06	7.19E-06
4,028	6.18E-07	5.12E-06	1.01E-05	5.44E-07	4.53E-06	8.99E-06	3.28E-07	2.83E-06	5.51E-06	4.25E-07	3.69E-06	7.27E-06	4.96E-07	4.11E-06	8.17E-06	5.19E-07	4.28E-06	8.66E-06	4.32E-07	3.67E-06	7.18E-06
4,029	6.18E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.83E-06	5.51E-06	4.25E-07	3.69E-06	7.26E-06	4.95E-07	4.11E-06	8.17E-06	5.19E-07	4.28E-06	8.66E-06	4.32E-07	3.67E-06	7.18E-06
4,030	6.18E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.83E-06	5.51E-06	4.24E-07	3.69E-06	7.26E-06	4.95E-07	4.10E-06	8.16E-06	5.18E-07	4.28E-06	8.66E-06	4.32E-07	3.67E-06	7.18E-06
4,031	6.18E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.83E-06	5.51E-06	4.24E-07	3.69E-06	7.25E-06	4.95E-07	4.10E-06	8.16E-06	5.18E-07	4.28E-06	8.66E-06	4.32E-07	3.66E-06	7.18E-06
4,032	6.18E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.83E-06	5.51E-06	4.24E-07	3.69E-06	7.25E-06	4.95E-07	4.10E-06	8.16E-06	5.18E-07	4.28E-06	8.65E-06	4.31E-07	3.66E-06	7.18E-06
4,033	6.18E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.83E-06	5.51E-06	4.24E-07	3.69E-06	7.25E-06	4.95E-07	4.10E-06	8.16E-06	5.18E-07	4.27E-06	8.65E-06	4.31E-07	3.66E-06	7.18E-06
4,034	6.17E-07	5.11E-06	1.01E-05	5.43E-07	4.53E-06	8.98E-06	3.28E-07	2.82E-06	5.50E-06	4.24E-07	3.69E-06	7.25E-06	4.95E-07	4.09E-06	8.16E-06	5.18E-07	4.27E-06	8.64E-06	4.31E-07	3.66E-06	7.18E-06
4,035	6.17E-07	5.11E-06	1.01E-05	5.42E-07	4.52E-06	8.98E-06	3.28E-07	2.82E-06	5.50E-06	4.24E-07	3.69E-06	7.25E-06	4.94E-07	4.09E-06	8.16E-06	5.18E-07	4.27E-06	8.64E-06	4.31E-07	3.66E-06	7.18E-06
4,036	6.17E-07	5.11E-06	1.01E-05	5.42E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.50E-06	4.24E-07	3.69E-06	7.25E-06	4.94E-07	4.09E-06	8.16E-06	5.18E-07	4.26E-06	8.63E-06	4.31E-07	3.66E-06	7.17E-06
4,037	6.17E-07	5.11E-06	1.01E-05	5.42E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.50E-06	4.24E-07	3.69E-06	7.25E-06	4.94E-07	4.09E-06	8.16E-06	5.17E-07	4.26E-06	8.63E-06	4.30E-07	3.66E-06	7.16E-06
4,038	6.17E-07	5.10E-06	1.01E-05	5.42E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.50E-06	4.24E-07	3.68E-06	7.24E-06	4.94E-07	4.09E-06	8.15E-06	5.17E-07	4.26E-06	8.63E-06	4.30E-07	3.66E-06	7.16E-06
4,039	6.17E-07	5.10E-06	1.01E-05	5.41E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.50E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.09E-06	8.15E-06	5.17E-07	4.26E-06	8.63E-06	4.30E-07	3.66E-06	7.16E-06
4,040	6.17E-07	5.10E-06	1.01E-05	5.41E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.50E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.09E-06	8.15E-06	5.17E-07	4.26E-06	8.63E-06	4.30E-07	3.66E-06	7.16E-06
4,041	6.16E-07	5.10E-06	1.01E-05	5.41E-07	4.52E-06	8.97E-06	3.28E-07	2.82E-06	5.49E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.09E-06	8.15E-06	5.17E-07	4.26E-06	8.63E-06	4.30E-07	3.66E-06	7.15E-06
4,042	6.16E-07	5.10E-06	1.01E-05	5.41E-07	4.51E-06	8.96E-06	3.28E-07	2.82E-06	5.49E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.08E-06	8.15E-06	5.17E-07	4.26E-06	8.62E-06	4.30E-07	3.66E-06	7.15E-06
4,043	6.15E-07	5.10E-06	1.01E-05	5.41E-07	4.51E-06	8.96E-06	3.28E-07	2.82E-06	5.49E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.08E-06	8.15E-06	5.16E-07	4.26E-06	8.62E-06	4.30E-07	3.66E-06	7.15E-06
4,044	6.15E-07	5.10E-06	1.01E-05	5.41E-07	4.51E-06	8.96E-06	3.28E-07	2.81E-06	5.49E-06	4.23E-07	3.68E-06	7.24E-06	4.94E-07	4.08E-06	8.14E-06	5.16E-07	4.26E-06	8.61E-06	4.29E-07	3.65E-06	7.15E-06
4,045	6.15E-07	5.10E-06	1.01E-05	5.41E-07	4.51E-06	8.96E-06	3.28E-07	2.81E-06	5.49E-06	4.23E-07	3.68E-06	7.23E-06	4.94E-07	4.08E-06	8.14E-06	5.16E-07	4.25E-06	8.61E-06	4.29E-07	3.65E-06	7.15E-06
4,046	6.15E-07	5.09E-06	1.01E-05	5.41E-07	4.51E-06	8.95E-06	3.27E-07	2.81E-06	5.49E-06	4.23E-07	3.67E-06	7.23E-06	4.93E-07	4.08E-06	8.14E-06	5.16E-07	4.25E-06	8.61E-06	4.29E-07	3.65E-06	7.14E-06
4,047	6.15E-07	5.09E-06	1.01E-05	5.41E-07	4.51E-06	8.95E-06	3.27E-07	2.81E-06	5.49E-06	4.22E-07	3.67E-06	7.23E-06	4.93E-07	4.08E-06	8.14E-06	5.16E-07	4.25E-06	8.61E-06	4.29E-07	3.65E-06	7.14E-06
4,048	6.15E-07	5.09E-06	1.01E-05	5.40E-07	4.51E-06	8.95E-06	3.27E-07	2.81E-06	5.49E-06	4.22E-07	3.67E-06	7.23E-06	4.93E-07	4.07E-06	8.14E-06	5.16E-07	4.25E-06	8.60E-06	4.29E-07	3.65E-06	7.14E-06
4,049	6.15E-07	5.09E-06	1.01E-05	5.40E-07	4.51E-06	8.94E-06	3.27E-07	2.81E-06	5.49E-06	4.22E-07	3.67E-06	7.23E-06	4.93E-07	4.07E-06	8.13E-06	5.16E-07	4.25E-06	8.60E-06	4.29E-07	3.65E-06	7.14E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,070	6.11E-07	5.07E-06	9.99E-06	5.36E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.46E-06	4.19E-07	3.66E-06	7.20E-06	4.89E-07	4.06E-06	8.09E-06	5.13E-07	4.23E-06	8.55E-06	4.27E-07	3.63E-06	7.10E-06
4,071	6.11E-07	5.07E-06	9.99E-06	5.35E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.46E-06	4.19E-07	3.66E-06	7.20E-06	4.89E-07	4.06E-06	8.09E-06	5.13E-07	4.23E-06	8.55E-06	4.27E-07	3.63E-06	7.10E-06
4,072	6.11E-07	5.07E-06	9.99E-06	5.35E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.46E-06	4.19E-07	3.66E-06	7.19E-06	4.89E-07	4.06E-06	8.08E-06	5.13E-07	4.23E-06	8.55E-06	4.27E-07	3.63E-06	7.10E-06
4,073	6.10E-07	5.07E-06	9.99E-06	5.35E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.46E-06	4.19E-07	3.66E-06	7.19E-06	4.89E-07	4.06E-06	8.08E-06	5.13E-07	4.23E-06	8.55E-06	4.27E-07	3.63E-06	7.09E-06
4,074	6.10E-07	5.07E-06	9.98E-06	5.35E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.45E-06	4.19E-07	3.66E-06	7.18E-06	4.89E-07	4.05E-06	8.08E-06	5.13E-07	4.23E-06	8.54E-06	4.27E-07	3.63E-06	7.09E-06
4,075	6.10E-07	5.07E-06	9.97E-06	5.34E-07	4.47E-06	8.90E-06	3.24E-07	2.79E-06	5.45E-06	4.19E-07	3.66E-06	7.18E-06	4.89E-07	4.05E-06	8.08E-06	5.12E-07	4.23E-06	8.54E-06	4.27E-07	3.62E-06	7.08E-06
4,076	6.10E-07	5.06E-06	9.97E-06	5.34E-07	4.47E-06	8.89E-06	3.24E-07	2.79E-06	5.45E-06	4.18E-07	3.66E-06	7.18E-06	4.89E-07	4.05E-06	8.08E-06	5.12E-07	4.23E-06	8.53E-06	4.27E-07	3.62E-06	7.08E-06
4,077	6.10E-07	5.06E-06	9.96E-06	5.34E-07	4.47E-06	8.89E-06	3.24E-07	2.79E-06	5.45E-06	4.18E-07	3.65E-06	7.18E-06	4.89E-07	4.05E-06	8.08E-06	5.12E-07	4.23E-06	8.53E-06	4.27E-07	3.62E-06	7.08E-06
4,078	6.10E-07	5.06E-06	9.96E-06	5.34E-07	4.47E-06	8.89E-06	3.24E-07	2.78E-06	5.45E-06	4.18E-07	3.65E-06	7.17E-06	4.89E-07	4.05E-06	8.08E-06	5.12E-07	4.23E-06	8.53E-06	4.27E-07	3.62E-06	7.08E-06
4,079	6.10E-07	5.05E-06	9.96E-06	5.33E-07	4.47E-06	8.89E-06	3.24E-07	2.78E-06	5.44E-06	4.18E-07	3.65E-06	7.17E-06	4.88E-07	4.05E-06	8.08E-06	5.12E-07	4.22E-06	8.53E-06	4.27E-07	3.62E-06	7.08E-06
4,080	6.09E-07	5.05E-06	9.95E-06	5.33E-07	4.47E-06	8.89E-06	3.23E-07	2.78E-06	5.44E-06	4.18E-07	3.65E-06	7.16E-06	4.88E-07	4.05E-06	8.08E-06	5.12E-07	4.22E-06	8.53E-06	4.27E-07	3.62E-06	7.08E-06
4,081	6.09E-07	5.05E-06	9.95E-06	5.33E-07	4.46E-06	8.89E-06	3.23E-07	2.78E-06	5.44E-06	4.17E-07	3.65E-06	7.16E-06	4.88E-07	4.05E-06	8.08E-06	5.12E-07	4.22E-06	8.53E-06	4.26E-07	3.62E-06	7.07E-06
4,082	6.09E-07	5.05E-06	9.95E-06	5.33E-07	4.46E-06	8.89E-06	3.23E-07	2.78E-06	5.44E-06	4.17E-07	3.65E-06	7.16E-06	4.88E-07	4.04E-06	8.07E-06	5.12E-07	4.22E-06	8.53E-06	4.26E-07	3.61E-06	7.07E-06
4,083	6.09E-07	5.05E-06	9.95E-06	5.33E-07	4.46E-06	8.89E-06	3.23E-07	2.78E-06	5.44E-06	4.17E-07	3.65E-06	7.16E-06	4.88E-07	4.04E-06	8.07E-06	5.12E-07	4.22E-06	8.53E-06	4.26E-07	3.61E-06	7.07E-06
4,084	6.09E-07	5.05E-06	9.95E-06	5.33E-07	4.46E-06	8.88E-06	3.23E-07	2.78E-06	5.44E-06	4.17E-07	3.65E-06	7.16E-06	4.88E-07	4.04E-06	8.07E-06	5.12E-07	4.22E-06	8.52E-06	4.26E-07	3.61E-06	7.07E-06
4,085	6.08E-07	5.05E-06	9.94E-06	5.33E-07	4.46E-06	8.88E-06	3.23E-07	2.78E-06	5.44E-06	4.17E-07	3.64E-06	7.16E-06	4.87E-07	4.04E-06	8.07E-06	5.11E-07	4.22E-06	8.52E-06	4.26E-07	3.61E-06	7.06E-06
4,086	6.08E-07	5.04E-06	9.94E-06	5.33E-07	4.45E-06	8.87E-06	3.22E-07	2.78E-06	5.43E-06	4.17E-07	3.64E-06	7.16E-06	4.87E-07	4.04E-06	8.06E-06	5.11E-07	4.22E-06	8.52E-06	4.26E-07	3.61E-06	7.06E-06
4,087	6.08E-07	5.04E-06	9.93E-06	5.33E-07	4.45E-06	8.87E-06	3.22E-07	2.78E-06	5.43E-06	4.16E-07	3.64E-06	7.16E-06	4.87E-07	4.04E-06	8.06E-06	5.11E-07	4.22E-06	8.52E-06	4.26E-07	3.61E-06	7.06E-06
4,088	6.08E-07	5.04E-06	9.93E-06	5.32E-07	4.45E-06	8.87E-06	3.22E-07	2.78E-06	5.43E-06	4.16E-07	3.64E-06	7.15E-06	4.87E-07	4.04E-06	8.05E-06	5.11E-07	4.22E-06	8.51E-06	4.26E-07	3.61E-06	7.06E-06
4,089	6.08E-07	5.04E-06	9.93E-06	5.32E-07	4.45E-06	8.87E-06	3.22E-07	2.77E-06	5.43E-06	4.16E-07	3.64E-06	7.15E-06	4.87E-07	4.04E-06	8.05E-06	5.11E-07	4.21E-06	8.51E-06	4.26E-07	3.61E-06	7.05E-06
4,090	6.08E-07	5.04E-06	9.93E-06	5.32E-07	4.45E-06	8.87E-06	3.22E-07	2.77E-06	5.43E-06	4.16E-07	3.63E-06	7.15E-06	4.87E-07	4.04E-06	8.05E-06	5.11E-07	4.21E-06	8.51E-06	4.26E-07	3.61E-06	7.05E-06
4,091	6.07E-07	5.04E-06	9.92E-06	5.32E-07	4.45E-06	8.86E-06	3.22E-07	2.77E-06	5.43E-06	4.16E-07	3.63E-06	7.15E-06	4.87E-07	4.04E-06	8.05E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.61E-06	7.05E-06
4,092	6.07E-07	5.04E-06	9.92E-06	5.32E-07	4.45E-06	8.85E-06	3.22E-07	2.77E-06	5.43E-06	4.16E-07	3.63E-06	7.14E-06	4.86E-07	4.04E-06	8.05E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.60E-06	7.05E-06
4,093	6.07E-07	5.04E-06	9.92E-06	5.32E-07	4.45E-06	8.85E-06	3.22E-07	2.77E-06	5.43E-06	4.15E-07	3.63E-06	7.14E-06	4.86E-07	4.03E-06	8.05E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.60E-06	7.05E-06
4,094	6.07E-07	5.03E-06	9.92E-06	5.32E-07	4.45E-06	8.85E-06	3.21E-07	2.77E-06	5.43E-06	4.15E-07	3.63E-06	7.13E-06	4.86E-07	4.03E-06	8.05E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.60E-06	7.05E-06
4,095	6.07E-07	5.03E-06	9.92E-06	5.32E-07	4.44E-06	8.85E-06	3.21E-07	2.77E-06	5.43E-06	4.15E-07	3.63E-06	7.13E-06	4.86E-07	4.03E-06	8.04E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.60E-06	7.05E-06
4,096	6.07E-07	5.03E-06	9.92E-06	5.32E-07	4.44E-06	8.85E-06	3.21E-07	2.77E-06	5.43E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.11E-07	4.21E-06	8.50E-06	4.25E-07	3.60E-06	7.04E-06
4,097	6.07E-07	5.03E-06	9.92E-06	5.32E-07	4.44E-06	8.85E-06	3.21E-07	2.77E-06	5.43E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.10E-07	4.20E-06	8.50E-06	4.25E-07	3.60E-06	7.04E-06
4,098	6.07E-07	5.03E-06	9.92E-06	5.31E-07	4.44E-06	8.85E-06	3.21E-07	2.77E-06	5.42E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.10E-07	4.20E-06	8.49E-06	4.24E-07	3.60E-06	7.04E-06
4,099	6.06E-07	5.02E-06	9.91E-06	5.31E-07	4.44E-06	8.85E-06	3.21E-07	2.77E-06	5.42E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.10E-07	4.20E-06	8.49E-06	4.24E-07	3.60E-06	7.04E-06
4,100	6.06E-07	5.02E-06	9.91E-06	5.31E-07	4.44E-06	8.84E-06	3.21E-07	2.77E-06	5.42E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.10E-07	4.20E-06	8.49E-06	4.24E-07	3.60E-06	7.04E-06
4,101	6.06E-07	5.02E-06	9.91E-06	5.31E-07	4.44E-06	8.84E-06	3.21E-07	2.76E-06	5.42E-06	4.15E-07	3.63E-06	7.12E-06	4.86E-07	4.03E-06	8.03E-06	5.10E-07	4.20E-06	8.49E-06	4.24E-07	3.60E-06	7.04E-06
4,102	6.06E-07	5.02E-06	9.91E-06	5.31E-07	4.44E-06	8.84E-06	3.20E-07	2.76E-06	5.42E-06	4.14E-07	3.63E-06	7.11E-06	4.85E-07	4.03E-06	8.02E-06	5.10E-07	4.20E-06	8.48E-06	4.24E-07	3.60E-06	7.04E-06
4,103	6.05E-07	5.02E-06	9.91E-06	5.30E-07	4.43E-06	8.84E-06	3.20E-07	2.76E-06	5.42E-06	4.14E-07	3.63E-06	7.11E-06	4.85E-07	4.02E-06	8.02E-06	5.10E-07	4.19E-06	8.48E-06	4.24E-07	3.60E-06	7.04E-06
4,104	6.05E-07	5.02E-06	9.90E-06	5.30E-07	4.43E-06	8.84E-06	3.20E-07	2.76E-06	5.42E-06	4.14E-07	3.63E-06	7.11E-06	4.85E-07	4.02E-06	8.02E-06	5.10E-07	4.19E-06	8.47E-06	4.24E-07	3.60E-06	7.03E-06
4,105	6.05E-07	5.02E-06	9.90E-06	5.30E-07	4.43E-06	8.84E-06	3.20E-07	2.76E-06	5.42E-06	4.14E-07	3.63E-06	7.10E-06	4.85E-07	4.02E-06	8.02E-06	5.09E-07	4.19E-06	8.47E-06	4.24E-07	3.60E-06	7.03E-06
4,106	6.05E-07	5.02E-06	9.90E-06	5.30E-07	4.43E-06	8.84E-06	3.20E-07	2.76E-06	5.41E-06	4.14E-07	3.63E-06	7.10E-06	4.85E-07	4.02E-06	8.01E-06	5.09E-07	4.19E-06	8.47E-06	4.24E-07	3.60E-06	7.02E-06
4,107	6.05E-07	5.02E-06	9.90E-06	5.29E-07	4.43E-06	8.83E-06	3.20E-07	2.76E-06	5.41E-06	4.14E-07	3.62E-06	7.10E-06	4.85E-07	4.01E-06	8.01E-06	5.09E-07	4.19E-06	8.47E-06	4.24E-07	3.59E-06	7.02E-06
4,108	6.05E-07	5.01E-06	9.89E-06	5.29E-07	4.43E-06	8.83E-06	3.20E-07	2.76E-06	5.41E-06	4.14E-07	3.62E-06	7.10E-06	4.85E-07	4.01E-06	8.01E-06	5.09E-07	4.19E-06	8.47E-06	4.23E-07	3.59E-06	7.02E-06
4,109	6.05E-07	5.01E-06	9.89E-06	5.29E-07	4.42E-06	8.83E-06	3.20E-07	2.76E-06	5.41E-06	4.14E-07	3.62E-06	7.10E-06	4.85E-07	4.01E-06	8.01E-06	5.09E-07	4.19E-06	8.46E-06	4.23E-07	3.59E-06	7.02E-06
4,110	6.05E-07	5.01E-06	9.89E-06	5.29E-07	4.42E-06	8.83E-06	3.20E-07	2.75E-06	5.41E-06	4.14E-07	3.62E-06	7.10E-06	4.85E-07	4.01E-06	8.00E-06	5.09E-07	4.19E-06	8.46E-06	4.23E-07	3.59E-06	7.02E-06
4,111	6.04E-07	5.01E-06	9.89E-06	5.29E-07	4.42E-06	8.82E-06	3.20E-07	2.75E-06	5.41E-06	4.14E-07	3.62E-06	7.10E-06	4.84E-07	4.01E-06	8.00E-06	5.09E-07	4.19E-06	8.46E-06	4.23E-07	3.59E-06	7.01E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,132	6.02E-07	4.98E-06	9.84E-06	5.26E-07	4.41E-06	8.78E-06	3.18E-07	2.73E-06	5.37E-06	4.12E-07	3.60E-06	7.06E-06	4.82E-07	3.98E-06	7.97E-06	5.05E-07	4.16E-06	8.41E-06	4.21E-07	3.57E-06	6.98E-06
4,133	6.01E-07	4.98E-06	9.84E-06	5.26E-07	4.40E-06	8.78E-06	3.18E-07	2.73E-06	5.37E-06	4.12E-07	3.60E-06	7.06E-06	4.82E-07	3.97E-06	7.97E-06	5.05E-07	4.15E-06	8.41E-06	4.21E-07	3.57E-06	6.98E-06
4,134	6.01E-07	4.98E-06	9.84E-06	5.26E-07	4.40E-06	8.78E-06	3.18E-07	2.73E-06	5.37E-06	4.12E-07	3.60E-06	7.06E-06	4.82E-07	3.97E-06	7.97E-06	5.05E-07	4.15E-06	8.40E-06	4.21E-07	3.57E-06	6.98E-06
4,135	6.01E-07	4.98E-06	9.84E-06	5.26E-07	4.40E-06	8.77E-06	3.18E-07	2.73E-06	5.37E-06	4.12E-07	3.60E-06	7.06E-06	4.82E-07	3.97E-06	7.96E-06	5.05E-07	4.15E-06	8.40E-06	4.21E-07	3.57E-06	6.97E-06
4,136	6.01E-07	4.98E-06	9.84E-06	5.26E-07	4.40E-06	8.76E-06	3.17E-07	2.73E-06	5.37E-06	4.12E-07	3.59E-06	7.06E-06	4.82E-07	3.97E-06	7.96E-06	5.05E-07	4.15E-06	8.40E-06	4.20E-07	3.57E-06	6.97E-06
4,137	6.01E-07	4.98E-06	9.83E-06	5.26E-07	4.40E-06	8.76E-06	3.17E-07	2.73E-06	5.37E-06	4.12E-07	3.59E-06	7.05E-06	4.82E-07	3.97E-06	7.95E-06	5.05E-07	4.15E-06	8.40E-06	4.20E-07	3.57E-06	6.97E-06
4,138	6.00E-07	4.98E-06	9.83E-06	5.26E-07	4.40E-06	8.76E-06	3.17E-07	2.73E-06	5.36E-06	4.12E-07	3.59E-06	7.05E-06	4.81E-07	3.97E-06	7.95E-06	5.05E-07	4.15E-06	8.40E-06	4.20E-07	3.57E-06	6.97E-06
4,139	6.00E-07	4.98E-06	9.83E-06	5.25E-07	4.40E-06	8.75E-06	3.17E-07	2.73E-06	5.36E-06	4.12E-07	3.59E-06	7.05E-06	4.81E-07	3.97E-06	7.95E-06	5.05E-07	4.15E-06	8.40E-06	4.20E-07	3.57E-06	6.97E-06
4,140	6.00E-07	4.98E-06	9.82E-06	5.25E-07	4.40E-06	8.75E-06	3.17E-07	2.73E-06	5.36E-06	4.11E-07	3.59E-06	7.05E-06	4.81E-07	3.97E-06	7.95E-06	5.05E-07	4.15E-06	8.39E-06	4.19E-07	3.57E-06	6.97E-06
4,141	6.00E-07	4.97E-06	9.82E-06	5.25E-07	4.40E-06	8.75E-06	3.17E-07	2.73E-06	5.36E-06	4.11E-07	3.59E-06	7.05E-06	4.81E-07	3.96E-06	7.95E-06	5.04E-07	4.15E-06	8.39E-06	4.19E-07	3.57E-06	6.97E-06
4,142	6.00E-07	4.97E-06	9.82E-06	5.25E-07	4.40E-06	8.75E-06	3.17E-07	2.73E-06	5.35E-06	4.11E-07	3.59E-06	7.04E-06	4.81E-07	3.96E-06	7.94E-06	5.04E-07	4.15E-06	8.39E-06	4.19E-07	3.57E-06	6.97E-06
4,143	6.00E-07	4.97E-06	9.81E-06	5.24E-07	4.39E-06	8.74E-06	3.17E-07	2.73E-06	5.35E-06	4.11E-07	3.59E-06	7.04E-06	4.81E-07	3.96E-06	7.94E-06	5.04E-07	4.15E-06	8.39E-06	4.19E-07	3.57E-06	6.97E-06
4,144	5.99E-07	4.96E-06	9.80E-06	5.24E-07	4.39E-06	8.74E-06	3.17E-07	2.73E-06	5.35E-06	4.11E-07	3.59E-06	7.04E-06	4.81E-07	3.96E-06	7.94E-06	5.04E-07	4.15E-06	8.39E-06	4.19E-07	3.56E-06	6.97E-06
4,145	5.99E-07	4.95E-06	9.80E-06	5.24E-07	4.39E-06	8.74E-06	3.17E-07	2.73E-06	5.35E-06	4.11E-07	3.59E-06	7.04E-06	4.81E-07	3.95E-06	7.93E-06	5.04E-07	4.15E-06	8.39E-06	4.19E-07	3.56E-06	6.96E-06
4,146	5.99E-07	4.95E-06	9.80E-06	5.24E-07	4.39E-06	8.74E-06	3.17E-07	2.72E-06	5.35E-06	4.10E-07	3.59E-06	7.04E-06	4.81E-07	3.95E-06	7.92E-06	5.04E-07	4.15E-06	8.38E-06	4.19E-07	3.56E-06	6.96E-06
4,147	5.99E-07	4.95E-06	9.80E-06	5.24E-07	4.39E-06	8.73E-06	3.17E-07	2.72E-06	5.34E-06	4.10E-07	3.59E-06	7.03E-06	4.81E-07	3.95E-06	7.92E-06	5.03E-07	4.15E-06	8.38E-06	4.19E-07	3.56E-06	6.96E-06
4,148	5.99E-07	4.95E-06	9.80E-06	5.24E-07	4.39E-06	8.73E-06	3.17E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.03E-06	4.80E-07	3.95E-06	7.92E-06	5.03E-07	4.14E-06	8.38E-06	4.19E-07	3.56E-06	6.96E-06
4,149	5.99E-07	4.95E-06	9.80E-06	5.23E-07	4.39E-06	8.73E-06	3.17E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.03E-06	4.80E-07	3.95E-06	7.92E-06	5.03E-07	4.14E-06	8.38E-06	4.19E-07	3.56E-06	6.96E-06
4,150	5.99E-07	4.95E-06	9.79E-06	5.23E-07	4.39E-06	8.73E-06	3.16E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.03E-06	4.80E-07	3.95E-06	7.91E-06	5.03E-07	4.14E-06	8.38E-06	4.19E-07	3.56E-06	6.95E-06
4,151	5.99E-07	4.95E-06	9.79E-06	5.23E-07	4.39E-06	8.73E-06	3.16E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.03E-06	4.80E-07	3.95E-06	7.91E-06	5.03E-07	4.14E-06	8.37E-06	4.18E-07	3.56E-06	6.95E-06
4,152	5.99E-07	4.95E-06	9.79E-06	5.23E-07	4.38E-06	8.72E-06	3.16E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.02E-06	4.79E-07	3.95E-06	7.91E-06	5.03E-07	4.14E-06	8.37E-06	4.18E-07	3.55E-06	6.95E-06
4,153	5.99E-07	4.95E-06	9.79E-06	5.23E-07	4.38E-06	8.72E-06	3.16E-07	2.72E-06	5.34E-06	4.10E-07	3.58E-06	7.02E-06	4.79E-07	3.95E-06	7.91E-06	5.02E-07	4.14E-06	8.37E-06	4.18E-07	3.55E-06	6.95E-06
4,154	5.98E-07	4.94E-06	9.79E-06	5.23E-07	4.38E-06	8.72E-06	3.16E-07	2.71E-06	5.34E-06	4.10E-07	3.58E-06	7.02E-06	4.79E-07	3.95E-06	7.91E-06	5.02E-07	4.14E-06	8.37E-06	4.18E-07	3.55E-06	6.95E-06
4,155	5.98E-07	4.94E-06	9.79E-06	5.23E-07	4.38E-06	8.72E-06	3.16E-07	2.71E-06	5.34E-06	4.10E-07	3.58E-06	7.02E-06	4.79E-07	3.95E-06	7.90E-06	5.02E-07	4.14E-06	8.37E-06	4.18E-07	3.55E-06	6.95E-06
4,156	5.98E-07	4.94E-06	9.78E-06	5.23E-07	4.38E-06	8.72E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.58E-06	7.02E-06	4.79E-07	3.94E-06	7.90E-06	5.02E-07	4.14E-06	8.37E-06	4.18E-07	3.55E-06	6.94E-06
4,157	5.98E-07	4.94E-06	9.78E-06	5.22E-07	4.38E-06	8.72E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.57E-06	7.01E-06	4.79E-07	3.94E-06	7.90E-06	5.01E-07	4.13E-06	8.37E-06	4.18E-07	3.55E-06	6.94E-06
4,158	5.98E-07	4.94E-06	9.78E-06	5.22E-07	4.38E-06	8.71E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.57E-06	7.01E-06	4.79E-07	3.94E-06	7.90E-06	5.01E-07	4.13E-06	8.37E-06	4.18E-07	3.55E-06	6.93E-06
4,159	5.98E-07	4.94E-06	9.78E-06	5.22E-07	4.38E-06	8.71E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.57E-06	7.01E-06	4.78E-07	3.94E-06	7.90E-06	5.01E-07	4.13E-06	8.37E-06	4.18E-07	3.55E-06	6.93E-06
4,160	5.98E-07	4.94E-06	9.77E-06	5.22E-07	4.38E-06	8.71E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.57E-06	7.01E-06	4.78E-07	3.94E-06	7.90E-06	5.01E-07	4.13E-06	8.36E-06	4.18E-07	3.55E-06	6.93E-06
4,161	5.97E-07	4.93E-06	9.77E-06	5.22E-07	4.38E-06	8.71E-06	3.16E-07	2.71E-06	5.33E-06	4.10E-07	3.57E-06	7.01E-06	4.78E-07	3.94E-06	7.90E-06	5.01E-07	4.13E-06	8.36E-06	4.18E-07	3.55E-06	6.93E-06
4,162	5.97E-07	4.93E-06	9.77E-06	5.21E-07	4.38E-06	8.70E-06	3.15E-07	2.71E-06	5.32E-06	4.09E-07	3.57E-06	7.00E-06	4.78E-07	3.94E-06	7.89E-06	5.01E-07	4.13E-06	8.36E-06	4.18E-07	3.54E-06	6.93E-06
4,163	5.97E-07	4.93E-06	9.77E-06	5.21E-07	4.38E-06	8.70E-06	3.15E-07	2.71E-06	5.32E-06	4.09E-07	3.57E-06	7.00E-06	4.78E-07	3.94E-06	7.89E-06	5.01E-07	4.13E-06	8.36E-06	4.18E-07	3.54E-06	6.93E-06
4,164	5.97E-07	4.92E-06	9.76E-06	5.21E-07	4.38E-06	8.69E-06	3.15E-07	2.71E-06	5.32E-06	4.09E-07	3.57E-06	7.00E-06	4.78E-07	3.93E-06	7.89E-06	5.00E-07	4.13E-06	8.36E-06	4.17E-07	3.54E-06	6.93E-06
4,165	5.97E-07	4.92E-06	9.76E-06	5.21E-07	4.37E-06	8.69E-06	3.15E-07	2.71E-06	5.32E-06	4.09E-07	3.57E-06	7.00E-06	4.78E-07	3.93E-06	7.89E-06	5.00E-07	4.13E-06	8.35E-06	4.17E-07	3.54E-06	6.93E-06
4,166	5.97E-07	4.92E-06	9.76E-06	5.21E-07	4.37E-06	8.69E-06	3.15E-07	2.71E-06	5.32E-06	4.09E-07	3.57E-06	6.99E-06	4.78E-07	3.93E-06	7.89E-06	5.00E-07	4.12E-06	8.35E-06	4.17E-07	3.54E-06	6.93E-06
4,167	5.96E-07	4.92E-06	9.76E-06	5.20E-07	4.37E-06	8.68E-06	3.15E-07	2.71E-06	5.31E-06	4.09E-07	3.57E-06	6.99E-06	4.78E-07	3.93E-06	7.89E-06	5.00E-07	4.12E-06	8.35E-06	4.16E-07	3.53E-06	6.93E-06
4,168	5.96E-07	4.92E-06	9.75E-06	5.20E-07	4.37E-06	8.67E-06	3.15E-07	2.71E-06	5.31E-06	4.09E-07	3.57E-06	6.99E-06	4.78E-07	3.93E-06	7.89E-06	5.00E-07	4.12E-06	8.34E-06	4.16E-07	3.53E-06	6.92E-06
4,169	5.96E-07	4.92E-06	9.75E-06	5.20E-07	4.37E-06	8.67E-06	3.15E-07	2.71E-06	5.31E-06	4.09E-07	3.57E-06	6.98E-06	4.78E-07	3.93E-06	7.88E-06	4.99E-07	4.12E-06	8.34E-06	4.16E-07	3.53E-06	6.92E-06
4,170	5.95E-07	4.92E-06	9.75E-06	5.20E-07	4.37E-06	8.67E-06	3.15E-07	2.71E-06	5.31E-06	4.09E-07	3.57E-06	6.98E-06	4.77E-07	3.93E-06	7.88E-06	4.99E-07	4.12E-06	8.33E-06	4.16E-07	3.53E-06	6.92E-06
4,171	5.95E-07	4.92E-06	9.75E-06	5.20E-07	4.37E-06	8.66E-06	3.15E-07	2.70E-06	5.31E-06	4.09E-07	3.56E-06	6.98E-06	4.77E-07	3.93E-06	7.87E-06	4.99E-07	4.12E-06	8.33E-06	4.16E-07	3.53E-06	6.92E-06
4,172	5.95E-07	4.92E-06	9.75E-06	5.20E-07	4.36E-06	8.66E-06	3.14E-07	2.70E-06	5.31E-06	4.09E-07	3.56E-06	6.98E-06	4.77E-07	3.93E-06	7.87E-06	4.99E-07	4.12E-06	8.33E-06	4.16E-07	3.53E-06	6.92E-06
4,173	5.94E-07	4.92E-06	9.74E-06	5.19E-07	4.36E-06	8.65E-06	3.14E-07	2.70E-06	5.31E-06	4.09E-07	3.56E-06	6.98E-06	4.77E-07	3.92E-06	7.87E-06	4.99E-07	4.12E-06	8.33E-06	4.16E-07	3.53E-06	6.92E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,194	5.91E-07	4.90E-06	9.71E-06	5.16E-07	4.34E-06	8.60E-06	3.12E-07	2.69E-06	5.28E-06	4.07E-07	3.54E-06	6.95E-06	4.75E-07	3.90E-06	7.84E-06	4.95E-07	4.10E-06	8.28E-06	4.13E-07	3.50E-06	6.88E-06
4,195	5.91E-07	4.90E-06	9.71E-06	5.16E-07	4.34E-06	8.60E-06	3.12E-07	2.69E-06	5.28E-06	4.07E-07	3.54E-06	6.95E-06	4.75E-07	3.90E-06	7.84E-06	4.95E-07	4.10E-06	8.28E-06	4.13E-07	3.50E-06	6.87E-06
4,196	5.91E-07	4.90E-06	9.71E-06	5.16E-07	4.34E-06	8.60E-06	3.12E-07	2.69E-06	5.28E-06	4.06E-07	3.54E-06	6.95E-06	4.74E-07	3.90E-06	7.84E-06	4.95E-07	4.10E-06	8.28E-06	4.13E-07	3.50E-06	6.87E-06
4,197	5.91E-07	4.90E-06	9.71E-06	5.16E-07	4.33E-06	8.60E-06	3.12E-07	2.69E-06	5.27E-06	4.06E-07	3.54E-06	6.94E-06	4.74E-07	3.90E-06	7.84E-06	4.95E-07	4.09E-06	8.28E-06	4.13E-07	3.50E-06	6.87E-06
4,198	5.91E-07	4.90E-06	9.70E-06	5.16E-07	4.33E-06	8.60E-06	3.12E-07	2.69E-06	5.27E-06	4.06E-07	3.54E-06	6.94E-06	4.74E-07	3.90E-06	7.84E-06	4.95E-07	4.09E-06	8.27E-06	4.13E-07	3.50E-06	6.87E-06
4,199	5.90E-07	4.89E-06	9.70E-06	5.16E-07	4.33E-06	8.60E-06	3.12E-07	2.68E-06	5.27E-06	4.06E-07	3.54E-06	6.94E-06	4.74E-07	3.89E-06	7.84E-06	4.95E-07	4.09E-06	8.27E-06	4.13E-07	3.50E-06	6.87E-06
4,200	5.89E-07	4.89E-06	9.70E-06	5.15E-07	4.33E-06	8.60E-06	3.12E-07	2.68E-06	5.27E-06	4.06E-07	3.54E-06	6.94E-06	4.74E-07	3.89E-06	7.84E-06	4.95E-07	4.09E-06	8.27E-06	4.13E-07	3.50E-06	6.87E-06
4,201	5.89E-07	4.89E-06	9.69E-06	5.15E-07	4.33E-06	8.59E-06	3.12E-07	2.68E-06	5.27E-06	4.06E-07	3.54E-06	6.94E-06	4.74E-07	3.89E-06	7.83E-06	4.94E-07	4.09E-06	8.27E-06	4.13E-07	3.50E-06	6.86E-06
4,202	5.89E-07	4.89E-06	9.69E-06	5.15E-07	4.33E-06	8.59E-06	3.11E-07	2.68E-06	5.26E-06	4.06E-07	3.53E-06	6.93E-06	4.74E-07	3.89E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.50E-06	6.86E-06
4,203	5.89E-07	4.88E-06	9.69E-06	5.15E-07	4.32E-06	8.59E-06	3.11E-07	2.68E-06	5.26E-06	4.06E-07	3.53E-06	6.93E-06	4.74E-07	3.89E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.50E-06	6.86E-06
4,204	5.88E-07	4.88E-06	9.68E-06	5.15E-07	4.32E-06	8.59E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.93E-06	4.74E-07	3.89E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.50E-06	6.86E-06
4,205	5.88E-07	4.88E-06	9.68E-06	5.15E-07	4.32E-06	8.59E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.93E-06	4.73E-07	3.89E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.49E-06	6.86E-06
4,206	5.88E-07	4.88E-06	9.68E-06	5.15E-07	4.32E-06	8.58E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.93E-06	4.73E-07	3.88E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.49E-06	6.85E-06
4,207	5.88E-07	4.88E-06	9.68E-06	5.15E-07	4.32E-06	8.57E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.93E-06	4.73E-07	3.88E-06	7.83E-06	4.94E-07	4.09E-06	8.26E-06	4.12E-07	3.49E-06	6.85E-06
4,208	5.88E-07	4.87E-06	9.68E-06	5.15E-07	4.32E-06	8.57E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.92E-06	4.72E-07	3.88E-06	7.83E-06	4.93E-07	4.08E-06	8.26E-06	4.12E-07	3.49E-06	6.85E-06
4,209	5.88E-07	4.87E-06	9.67E-06	5.15E-07	4.31E-06	8.57E-06	3.11E-07	2.68E-06	5.26E-06	4.05E-07	3.53E-06	6.92E-06	4.72E-07	3.88E-06	7.82E-06	4.93E-07	4.08E-06	8.26E-06	4.11E-07	3.49E-06	6.85E-06
4,210	5.88E-07	4.87E-06	9.66E-06	5.14E-07	4.31E-06	8.57E-06	3.11E-07	2.68E-06	5.25E-06	4.05E-07	3.53E-06	6.92E-06	4.72E-07	3.88E-06	7.82E-06	4.93E-07	4.08E-06	8.24E-06	4.11E-07	3.49E-06	6.85E-06
4,211	5.88E-07	4.87E-06	9.66E-06	5.14E-07	4.31E-06	8.57E-06	3.11E-07	2.67E-06	5.25E-06	4.05E-07	3.53E-06	6.92E-06	4.72E-07	3.88E-06	7.82E-06	4.93E-07	4.08E-06	8.24E-06	4.11E-07	3.49E-06	6.85E-06
4,212	5.88E-07	4.87E-06	9.65E-06	5.14E-07	4.31E-06	8.57E-06	3.11E-07	2.67E-06	5.25E-06	4.05E-07	3.52E-06	6.92E-06	4.72E-07	3.88E-06	7.81E-06	4.93E-07	4.08E-06	8.24E-06	4.11E-07	3.49E-06	6.84E-06
4,213	5.87E-07	4.87E-06	9.65E-06	5.14E-07	4.31E-06	8.57E-06	3.11E-07	2.67E-06	5.25E-06	4.05E-07	3.52E-06	6.92E-06	4.72E-07	3.88E-06	7.81E-06	4.93E-07	4.08E-06	8.24E-06	4.11E-07	3.49E-06	6.84E-06
4,214	5.87E-07	4.86E-06	9.65E-06	5.14E-07	4.31E-06	8.56E-06	3.11E-07	2.67E-06	5.25E-06	4.05E-07	3.52E-06	6.92E-06	4.72E-07	3.87E-06	7.81E-06	4.93E-07	4.08E-06	8.24E-06	4.11E-07	3.49E-06	6.84E-06
4,215	5.87E-07	4.86E-06	9.65E-06	5.14E-07	4.31E-06	8.56E-06	3.11E-07	2.67E-06	5.25E-06	4.05E-07	3.52E-06	6.91E-06	4.72E-07	3.87E-06	7.81E-06	4.92E-07	4.07E-06	8.23E-06	4.11E-07	3.49E-06	6.83E-06
4,216	5.87E-07	4.86E-06	9.65E-06	5.14E-07	4.31E-06	8.56E-06	3.11E-07	2.67E-06	5.25E-06	4.04E-07	3.52E-06	6.91E-06	4.72E-07	3.87E-06	7.80E-06	4.92E-07	4.07E-06	8.23E-06	4.11E-07	3.49E-06	6.83E-06
4,217	5.86E-07	4.86E-06	9.65E-06	5.14E-07	4.30E-06	8.56E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.91E-06	4.72E-07	3.87E-06	7.80E-06	4.92E-07	4.07E-06	8.23E-06	4.11E-07	3.49E-06	6.83E-06
4,218	5.86E-07	4.86E-06	9.64E-06	5.13E-07	4.30E-06	8.56E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.90E-06	4.72E-07	3.87E-06	7.80E-06	4.92E-07	4.07E-06	8.23E-06	4.10E-07	3.48E-06	6.83E-06
4,219	5.86E-07	4.86E-06	9.64E-06	5.13E-07	4.30E-06	8.55E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.90E-06	4.72E-07	3.87E-06	7.80E-06	4.92E-07	4.07E-06	8.22E-06	4.10E-07	3.48E-06	6.83E-06
4,220	5.86E-07	4.86E-06	9.64E-06	5.13E-07	4.30E-06	8.55E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.90E-06	4.72E-07	3.87E-06	7.79E-06	4.92E-07	4.07E-06	8.22E-06	4.10E-07	3.48E-06	6.83E-06
4,221	5.86E-07	4.86E-06	9.64E-06	5.13E-07	4.30E-06	8.55E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.89E-06	4.71E-07	3.87E-06	7.79E-06	4.92E-07	4.07E-06	8.22E-06	4.10E-07	3.48E-06	6.82E-06
4,222	5.86E-07	4.85E-06	9.64E-06	5.13E-07	4.30E-06	8.55E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.52E-06	6.89E-06	4.71E-07	3.87E-06	7.79E-06	4.92E-07	4.07E-06	8.22E-06	4.10E-07	3.48E-06	6.82E-06
4,223	5.85E-07	4.85E-06	9.64E-06	5.12E-07	4.30E-06	8.54E-06	3.10E-07	2.67E-06	5.24E-06	4.04E-07	3.51E-06	6.89E-06	4.71E-07	3.87E-06	7.79E-06	4.91E-07	4.07E-06	8.22E-06	4.10E-07	3.48E-06	6.82E-06
4,224	5.85E-07	4.85E-06	9.62E-06	5.12E-07	4.30E-06	8.54E-06	3.10E-07	2.67E-06	5.23E-06	4.04E-07	3.51E-06	6.89E-06	4.71E-07	3.87E-06	7.79E-06	4.91E-07	4.06E-06	8.22E-06	4.10E-07	3.48E-06	6.82E-06
4,225	5.85E-07	4.85E-06	9.62E-06	5.12E-07	4.30E-06	8.54E-06	3.10E-07	2.67E-06	5.23E-06	4.03E-07	3.51E-06	6.89E-06	4.71E-07	3.86E-06	7.79E-06	4.91E-07	4.06E-06	8.21E-06	4.09E-07	3.48E-06	6.81E-06
4,226	5.85E-07	4.85E-06	9.62E-06	5.12E-07	4.29E-06	8.54E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.89E-06	4.71E-07	3.86E-06	7.79E-06	4.91E-07	4.06E-06	8.21E-06	4.09E-07	3.48E-06	6.81E-06
4,227	5.85E-07	4.84E-06	9.62E-06	5.12E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.89E-06	4.71E-07	3.86E-06	7.78E-06	4.91E-07	4.06E-06	8.21E-06	4.09E-07	3.48E-06	6.81E-06
4,228	5.84E-07	4.84E-06	9.61E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.71E-07	3.86E-06	7.78E-06	4.91E-07	4.06E-06	8.21E-06	4.09E-07	3.48E-06	6.81E-06
4,229	5.84E-07	4.84E-06	9.61E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.71E-07	3.86E-06	7.78E-06	4.91E-07	4.05E-06	8.20E-06	4.09E-07	3.47E-06	6.80E-06
4,230	5.84E-07	4.84E-06	9.61E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.71E-07	3.86E-06	7.78E-06	4.91E-07	4.05E-06	8.20E-06	4.09E-07	3.47E-06	6.80E-06
4,231	5.84E-07	4.84E-06	9.61E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.70E-07	3.86E-06	7.78E-06	4.91E-07	4.05E-06	8.20E-06	4.09E-07	3.47E-06	6.80E-06
4,232	5.84E-07	4.84E-06	9.60E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.70E-07	3.85E-06	7.78E-06	4.91E-07	4.05E-06	8.19E-06	4.09E-07	3.47E-06	6.80E-06
4,233	5.84E-07	4.84E-06	9.60E-06	5.11E-07	4.29E-06	8.53E-06	3.10E-07	2.66E-06	5.23E-06	4.03E-07	3.51E-06	6.88E-06	4.70E-07	3.85E-06	7.78E-06	4.91E-07	4.05E-06	8.19E-06	4.09E-07	3.47E-06	6.80E-06
4,234	5.84E-07	4.84E-06	9.60E-06	5.11E-07	4.28E-06	8.53E-06	3.10E-07	2.66E-06	5.22E-06	4.03E-07	3.51E-06	6.88E-06	4.70E-07	3.85E-06	7.77E-06	4.91E-07	4.05E-06	8.19E-06	4.08E-07	3.47E-06	6.80E-06
4,235	5.84E-07	4.84E-06	9.60E-06	5.11E-07	4.28E-06	8.52E-06	3.09E-07	2.66E-06	5.22E-06	4.02E-07	3.50E-06	6.87E-06	4.70E-07	3.85E-06	7.77E-06	4.90E-07	4.05E-06	8.19E-06	4.08E-07	3.46E-06	6.80E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,256	5.80E-07	4.81E-06	9.55E-06	5.07E-07	4.27E-06	8.47E-06	3.08E-07	2.64E-06	5.20E-06	3.99E-07	3.48E-06	6.83E-06	4.68E-07	3.82E-06	7.74E-06	4.88E-07	4.03E-06	8.15E-06	4.04E-07	3.44E-06	6.74E-06
4,257	5.80E-07	4.81E-06	9.54E-06	5.07E-07	4.26E-06	8.46E-06	3.08E-07	2.64E-06	5.20E-06	3.98E-07	3.48E-06	6.83E-06	4.68E-07	3.82E-06	7.74E-06	4.88E-07	4.03E-06	8.15E-06	4.04E-07	3.44E-06	6.74E-06
4,258	5.80E-07	4.81E-06	9.54E-06	5.07E-07	4.26E-06	8.46E-06	3.08E-07	2.64E-06	5.20E-06	3.98E-07	3.48E-06	6.82E-06	4.68E-07	3.82E-06	7.74E-06	4.88E-07	4.03E-06	8.14E-06	4.04E-07	3.44E-06	6.74E-06
4,259	5.80E-07	4.81E-06	9.54E-06	5.07E-07	4.26E-06	8.46E-06	3.08E-07	2.64E-06	5.20E-06	3.98E-07	3.48E-06	6.81E-06	4.68E-07	3.82E-06	7.73E-06	4.87E-07	4.03E-06	8.14E-06	4.04E-07	3.44E-06	6.74E-06
4,260	5.80E-07	4.80E-06	9.54E-06	5.06E-07	4.26E-06	8.46E-06	3.08E-07	2.64E-06	5.19E-06	3.98E-07	3.48E-06	6.81E-06	4.68E-07	3.82E-06	7.73E-06	4.87E-07	4.03E-06	8.13E-06	4.04E-07	3.44E-06	6.74E-06
4,261	5.79E-07	4.80E-06	9.54E-06	5.06E-07	4.26E-06	8.45E-06	3.08E-07	2.64E-06	5.19E-06	3.98E-07	3.48E-06	6.81E-06	4.68E-07	3.81E-06	7.73E-06	4.87E-07	4.02E-06	8.13E-06	4.04E-07	3.44E-06	6.74E-06
4,262	5.79E-07	4.79E-06	9.54E-06	5.06E-07	4.26E-06	8.45E-06	3.08E-07	2.63E-06	5.19E-06	3.98E-07	3.48E-06	6.81E-06	4.68E-07	3.81E-06	7.73E-06	4.87E-07	4.02E-06	8.12E-06	4.03E-07	3.44E-06	6.74E-06
4,263	5.79E-07	4.79E-06	9.53E-06	5.05E-07	4.26E-06	8.45E-06	3.08E-07	2.63E-06	5.19E-06	3.98E-07	3.48E-06	6.81E-06	4.68E-07	3.81E-06	7.73E-06	4.87E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.73E-06
4,264	5.79E-07	4.79E-06	9.53E-06	5.05E-07	4.25E-06	8.45E-06	3.08E-07	2.63E-06	5.19E-06	3.98E-07	3.47E-06	6.81E-06	4.68E-07	3.81E-06	7.73E-06	4.87E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.73E-06
4,265	5.79E-07	4.79E-06	9.53E-06	5.05E-07	4.25E-06	8.45E-06	3.08E-07	2.63E-06	5.18E-06	3.97E-07	3.47E-06	6.80E-06	4.67E-07	3.81E-06	7.72E-06	4.87E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.73E-06
4,266	5.79E-07	4.79E-06	9.53E-06	5.05E-07	4.25E-06	8.44E-06	3.08E-07	2.63E-06	5.18E-06	3.97E-07	3.47E-06	6.80E-06	4.67E-07	3.81E-06	7.72E-06	4.86E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.73E-06
4,267	5.78E-07	4.79E-06	9.53E-06	5.05E-07	4.25E-06	8.44E-06	3.08E-07	2.63E-06	5.18E-06	3.97E-07	3.47E-06	6.80E-06	4.67E-07	3.81E-06	7.71E-06	4.86E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.72E-06
4,268	5.78E-07	4.77E-06	9.53E-06	5.04E-07	4.25E-06	8.44E-06	3.08E-07	2.63E-06	5.18E-06	3.97E-07	3.47E-06	6.80E-06	4.67E-07	3.81E-06	7.71E-06	4.86E-07	4.02E-06	8.12E-06	4.03E-07	3.43E-06	6.72E-06
4,269	5.78E-07	4.77E-06	9.52E-06	5.04E-07	4.25E-06	8.44E-06	3.08E-07	2.63E-06	5.18E-06	3.97E-07	3.46E-06	6.80E-06	4.67E-07	3.81E-06	7.71E-06	4.86E-07	4.02E-06	8.11E-06	4.03E-07	3.43E-06	6.72E-06
4,270	5.78E-07	4.77E-06	9.52E-06	5.04E-07	4.25E-06	8.44E-06	3.08E-07	2.63E-06	5.18E-06	3.96E-07	3.46E-06	6.80E-06	4.66E-07	3.81E-06	7.71E-06	4.86E-07	4.01E-06	8.11E-06	4.03E-07	3.43E-06	6.71E-06
4,271	5.78E-07	4.77E-06	9.52E-06	5.04E-07	4.25E-06	8.44E-06	3.07E-07	2.63E-06	5.18E-06	3.96E-07	3.46E-06	6.80E-06	4.66E-07	3.80E-06	7.69E-06	4.86E-07	4.01E-06	8.11E-06	4.03E-07	3.43E-06	6.71E-06
4,272	5.78E-07	4.76E-06	9.52E-06	5.04E-07	4.25E-06	8.44E-06	3.07E-07	2.63E-06	5.18E-06	3.96E-07	3.46E-06	6.79E-06	4.66E-07	3.80E-06	7.69E-06	4.85E-07	4.01E-06	8.11E-06	4.03E-07	3.43E-06	6.71E-06
4,273	5.78E-07	4.76E-06	9.51E-06	5.04E-07	4.24E-06	8.43E-06	3.07E-07	2.63E-06	5.17E-06	3.96E-07	3.46E-06	6.79E-06	4.66E-07	3.80E-06	7.68E-06	4.85E-07	4.01E-06	8.10E-06	4.03E-07	3.42E-06	6.71E-06
4,274	5.78E-07	4.76E-06	9.51E-06	5.03E-07	4.24E-06	8.43E-06	3.07E-07	2.63E-06	5.17E-06	3.96E-07	3.46E-06	6.79E-06	4.65E-07	3.80E-06	7.68E-06	4.85E-07	4.01E-06	8.10E-06	4.02E-07	3.42E-06	6.71E-06
4,275	5.77E-07	4.76E-06	9.51E-06	5.03E-07	4.24E-06	8.43E-06	3.07E-07	2.63E-06	5.17E-06	3.96E-07	3.46E-06	6.79E-06	4.65E-07	3.80E-06	7.68E-06	4.85E-07	4.01E-06	8.10E-06	4.02E-07	3.42E-06	6.70E-06
4,276	5.77E-07	4.76E-06	9.51E-06	5.02E-07	4.24E-06	8.43E-06	3.07E-07	2.62E-06	5.17E-06	3.96E-07	3.46E-06	6.78E-06	4.65E-07	3.80E-06	7.68E-06	4.85E-07	4.01E-06	8.10E-06	4.02E-07	3.42E-06	6.70E-06
4,277	5.77E-07	4.76E-06	9.51E-06	5.02E-07	4.24E-06	8.43E-06	3.07E-07	2.62E-06	5.17E-06	3.96E-07	3.46E-06	6.78E-06	4.65E-07	3.80E-06	7.67E-06	4.85E-07	4.01E-06	8.10E-06	4.02E-07	3.42E-06	6.70E-06
4,278	5.77E-07	4.76E-06	9.51E-06	5.02E-07	4.24E-06	8.43E-06	3.07E-07	2.62E-06	5.17E-06	3.96E-07	3.45E-06	6.78E-06	4.64E-07	3.80E-06	7.67E-06	4.84E-07	4.01E-06	8.08E-06	4.02E-07	3.42E-06	6.70E-06
4,279	5.77E-07	4.75E-06	9.51E-06	5.02E-07	4.24E-06	8.43E-06	3.07E-07	2.62E-06	5.17E-06	3.96E-07	3.45E-06	6.78E-06	4.64E-07	3.80E-06	7.67E-06	4.84E-07	4.00E-06	8.08E-06	4.02E-07	3.42E-06	6.69E-06
4,280	5.77E-07	4.75E-06	9.50E-06	5.02E-07	4.24E-06	8.42E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.78E-06	4.64E-07	3.79E-06	7.67E-06	4.84E-07	4.00E-06	8.08E-06	4.02E-07	3.42E-06	6.69E-06
4,281	5.77E-07	4.75E-06	9.50E-06	5.01E-07	4.24E-06	8.42E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.84E-07	4.00E-06	8.08E-06	4.02E-07	3.41E-06	6.69E-06
4,282	5.77E-07	4.75E-06	9.50E-06	5.01E-07	4.24E-06	8.42E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.84E-07	4.00E-06	8.07E-06	4.02E-07	3.41E-06	6.69E-06
4,283	5.77E-07	4.75E-06	9.50E-06	5.01E-07	4.24E-06	8.42E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.83E-07	4.00E-06	8.07E-06	4.02E-07	3.41E-06	6.69E-06
4,284	5.76E-07	4.75E-06	9.49E-06	5.01E-07	4.23E-06	8.42E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.83E-07	4.00E-06	8.06E-06	4.02E-07	3.41E-06	6.69E-06
4,285	5.76E-07	4.75E-06	9.48E-06	5.01E-07	4.23E-06	8.41E-06	3.07E-07	2.62E-06	5.17E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.83E-07	4.00E-06	8.06E-06	4.01E-07	3.41E-06	6.68E-06
4,286	5.76E-07	4.75E-06	9.48E-06	5.01E-07	4.23E-06	8.41E-06	3.07E-07	2.61E-06	5.16E-06	3.95E-07	3.45E-06	6.77E-06	4.64E-07	3.79E-06	7.66E-06	4.83E-07	4.00E-06	8.05E-06	4.01E-07	3.41E-06	6.68E-06
4,287	5.76E-07	4.75E-06	9.48E-06	5.01E-07	4.23E-06	8.41E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.64E-07	3.79E-06	7.66E-06	4.83E-07	3.99E-06	8.05E-06	4.01E-07	3.41E-06	6.68E-06
4,288	5.76E-07	4.74E-06	9.48E-06	5.01E-07	4.23E-06	8.40E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.64E-07	3.78E-06	7.65E-06	4.83E-07	3.99E-06	8.05E-06	4.01E-07	3.41E-06	6.68E-06
4,289	5.76E-07	4.74E-06	9.47E-06	5.01E-07	4.23E-06	8.40E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.64E-07	3.78E-06	7.65E-06	4.83E-07	3.99E-06	8.05E-06	4.01E-07	3.41E-06	6.67E-06
4,290	5.75E-07	4.73E-06	9.47E-06	5.01E-07	4.23E-06	8.40E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.63E-07	3.78E-06	7.65E-06	4.83E-07	3.99E-06	8.04E-06	4.01E-07	3.41E-06	6.67E-06
4,291	5.75E-07	4.73E-06	9.47E-06	5.01E-07	4.23E-06	8.40E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.63E-07	3.78E-06	7.65E-06	4.83E-07	3.99E-06	8.04E-06	4.01E-07	3.40E-06	6.67E-06
4,292	5.75E-07	4.73E-06	9.47E-06	5.01E-07	4.23E-06	8.39E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.63E-07	3.78E-06	7.65E-06	4.83E-07	3.99E-06	8.04E-06	4.01E-07	3.40E-06	6.67E-06
4,293	5.75E-07	4.73E-06	9.46E-06	5.01E-07	4.23E-06	8.39E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.63E-07	3.78E-06	7.64E-06	4.83E-07	3.99E-06	8.04E-06	4.00E-07	3.40E-06	6.67E-06
4,294	5.75E-07	4.73E-06	9.46E-06	5.00E-07	4.22E-06	8.38E-06	3.06E-07	2.61E-06	5.16E-06	3.94E-07	3.44E-06	6.76E-06	4.62E-07	3.78E-06	7.64E-06	4.83E-07	3.99E-06	8.04E-06	4.00E-07	3.40E-06	6.67E-06
4,295	5.75E-07	4.73E-06	9.46E-06	5.00E-07	4.22E-06	8.38E-06	3.06E-07	2.61E-06	5.15E-06	3.94E-07	3.44E-06	6.76E-06	4.62E-07	3.78E-06	7.64E-06	4.83E-07	3.98E-06	8.03E-06	4.00E-07	3.40E-06	6.67E-06
4,296	5.75E-07	4.73E-06	9.46E-06	5.00E-07	4.22E-06	8.38E-06	3.06E-07	2.61E-06	5.15E-06	3.93E-07	3.43E-06	6.76E-06	4.62E-07	3.78E-06	7.63E-06	4.83E-07	3.98E-06	8.03E-06	4.00E-07	3.40E-06	6.66E-06
4,297	5.75E-07	4.73E-06	9.45E-06	5.00E-07	4.22E-06	8.38E-06	3.06E-07	2.61E-06	5.15E-06	3.93E-07	3.43E-06	6.75E-06	4.62E-07	3.78E-06	7.63E-06	4.83E-07	3.98E-06	8.03E-06	4.00E-07	3.39E-06	6.66E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,318	5.71E-07	4.70E-06	9.42E-06	4.98E-07	4.20E-06	8.33E-06	3.04E-07	2.59E-06	5.12E-06	3.92E-07	3.40E-06	6.70E-06	4.60E-07	3.75E-06	7.60E-06	4.81E-07	3.95E-06	7.97E-06	3.97E-07	3.37E-06	6.61E-06
4,319	5.71E-07	4.70E-06	9.42E-06	4.97E-07	4.20E-06	8.33E-06	3.04E-07	2.59E-06	5.12E-06	3.91E-07	3.40E-06	6.70E-06	4.60E-07	3.75E-06	7.60E-06	4.81E-07	3.95E-06	7.97E-06	3.97E-07	3.37E-06	6.61E-06
4,320	5.71E-07	4.70E-06	9.42E-06	4.97E-07	4.20E-06	8.32E-06	3.04E-07	2.59E-06	5.11E-06	3.91E-07	3.40E-06	6.70E-06	4.60E-07	3.75E-06	7.59E-06	4.81E-07	3.95E-06	7.97E-06	3.97E-07	3.37E-06	6.60E-06
4,321	5.71E-07	4.70E-06	9.42E-06	4.97E-07	4.20E-06	8.32E-06	3.04E-07	2.59E-06	5.11E-06	3.91E-07	3.40E-06	6.69E-06	4.59E-07	3.75E-06	7.59E-06	4.81E-07	3.95E-06	7.97E-06	3.97E-07	3.37E-06	6.60E-06
4,322	5.71E-07	4.69E-06	9.42E-06	4.97E-07	4.20E-06	8.32E-06	3.04E-07	2.59E-06	5.10E-06	3.91E-07	3.40E-06	6.69E-06	4.59E-07	3.75E-06	7.59E-06	4.81E-07	3.95E-06	7.96E-06	3.97E-07	3.37E-06	6.60E-06
4,323	5.70E-07	4.69E-06	9.42E-06	4.97E-07	4.20E-06	8.32E-06	3.04E-07	2.59E-06	5.10E-06	3.91E-07	3.40E-06	6.69E-06	4.59E-07	3.75E-06	7.59E-06	4.81E-07	3.95E-06	7.96E-06	3.97E-07	3.37E-06	6.60E-06
4,324	5.70E-07	4.69E-06	9.42E-06	4.97E-07	4.20E-06	8.31E-06	3.04E-07	2.59E-06	5.10E-06	3.91E-07	3.40E-06	6.68E-06	4.59E-07	3.75E-06	7.59E-06	4.80E-07	3.95E-06	7.96E-06	3.97E-07	3.37E-06	6.59E-06
4,325	5.70E-07	4.69E-06	9.41E-06	4.97E-07	4.19E-06	8.31E-06	3.04E-07	2.59E-06	5.10E-06	3.91E-07	3.40E-06	6.68E-06	4.59E-07	3.75E-06	7.58E-06	4.80E-07	3.94E-06	7.96E-06	3.97E-07	3.36E-06	6.59E-06
4,326	5.70E-07	4.68E-06	9.41E-06	4.97E-07	4.19E-06	8.31E-06	3.04E-07	2.58E-06	5.10E-06	3.91E-07	3.40E-06	6.68E-06	4.59E-07	3.75E-06	7.58E-06	4.80E-07	3.94E-06	7.95E-06	3.97E-07	3.36E-06	6.59E-06
4,327	5.70E-07	4.68E-06	9.41E-06	4.97E-07	4.19E-06	8.31E-06	3.04E-07	2.58E-06	5.09E-06	3.91E-07	3.40E-06	6.68E-06	4.59E-07	3.75E-06	7.58E-06	4.80E-07	3.94E-06	7.95E-06	3.97E-07	3.36E-06	6.58E-06
4,328	5.70E-07	4.68E-06	9.40E-06	4.97E-07	4.19E-06	8.31E-06	3.04E-07	2.58E-06	5.09E-06	3.91E-07	3.39E-06	6.68E-06	4.58E-07	3.75E-06	7.58E-06	4.80E-07	3.94E-06	7.95E-06	3.97E-07	3.36E-06	6.58E-06
4,329	5.70E-07	4.68E-06	9.40E-06	4.96E-07	4.19E-06	8.31E-06	3.04E-07	2.58E-06	5.09E-06	3.91E-07	3.39E-06	6.68E-06	4.58E-07	3.74E-06	7.58E-06	4.80E-07	3.94E-06	7.94E-06	3.96E-07	3.36E-06	6.58E-06
4,330	5.70E-07	4.68E-06	9.40E-06	4.96E-07	4.19E-06	8.31E-06	3.04E-07	2.58E-06	5.09E-06	3.91E-07	3.39E-06	6.67E-06	4.58E-07	3.74E-06	7.57E-06	4.80E-07	3.94E-06	7.94E-06	3.96E-07	3.36E-06	6.58E-06
4,331	5.69E-07	4.68E-06	9.40E-06	4.96E-07	4.19E-06	8.30E-06	3.04E-07	2.58E-06	5.09E-06	3.91E-07	3.39E-06	6.67E-06	4.58E-07	3.74E-06	7.57E-06	4.80E-07	3.94E-06	7.94E-06	3.96E-07	3.36E-06	6.58E-06
4,332	5.69E-07	4.68E-06	9.39E-06	4.96E-07	4.19E-06	8.30E-06	3.04E-07	2.58E-06	5.09E-06	3.90E-07	3.39E-06	6.66E-06	4.58E-07	3.74E-06	7.57E-06	4.80E-07	3.93E-06	7.94E-06	3.96E-07	3.36E-06	6.58E-06
4,333	5.69E-07	4.67E-06	9.39E-06	4.96E-07	4.19E-06	8.29E-06	3.04E-07	2.58E-06	5.08E-06	3.90E-07	3.39E-06	6.66E-06	4.58E-07	3.74E-06	7.57E-06	4.80E-07	3.93E-06	7.94E-06	3.96E-07	3.36E-06	6.57E-06
4,334	5.69E-07	4.67E-06	9.38E-06	4.96E-07	4.19E-06	8.29E-06	3.04E-07	2.58E-06	5.08E-06	3.90E-07	3.39E-06	6.66E-06	4.58E-07	3.74E-06	7.57E-06	4.79E-07	3.93E-06	7.94E-06	3.96E-07	3.35E-06	6.57E-06
4,335	5.69E-07	4.67E-06	9.38E-06	4.96E-07	4.18E-06	8.29E-06	3.03E-07	2.57E-06	5.08E-06	3.90E-07	3.39E-06	6.65E-06	4.58E-07	3.74E-06	7.57E-06	4.79E-07	3.93E-06	7.94E-06	3.96E-07	3.35E-06	6.57E-06
4,336	5.69E-07	4.67E-06	9.37E-06	4.96E-07	4.18E-06	8.29E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.39E-06	6.65E-06	4.58E-07	3.74E-06	7.57E-06	4.79E-07	3.93E-06	7.94E-06	3.95E-07	3.35E-06	6.56E-06
4,337	5.69E-07	4.67E-06	9.37E-06	4.96E-07	4.18E-06	8.28E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.39E-06	6.65E-06	4.57E-07	3.74E-06	7.57E-06	4.78E-07	3.93E-06	7.93E-06	3.95E-07	3.35E-06	6.56E-06
4,338	5.69E-07	4.66E-06	9.36E-06	4.95E-07	4.18E-06	8.27E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.39E-06	6.65E-06	4.57E-07	3.74E-06	7.57E-06	4.78E-07	3.93E-06	7.93E-06	3.95E-07	3.35E-06	6.56E-06
4,339	5.68E-07	4.66E-06	9.36E-06	4.95E-07	4.18E-06	8.27E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.39E-06	6.65E-06	4.57E-07	3.74E-06	7.56E-06	4.78E-07	3.93E-06	7.93E-06	3.95E-07	3.35E-06	6.56E-06
4,340	5.68E-07	4.66E-06	9.36E-06	4.94E-07	4.17E-06	8.26E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.39E-06	6.64E-06	4.57E-07	3.74E-06	7.55E-06	4.78E-07	3.93E-06	7.93E-06	3.95E-07	3.35E-06	6.56E-06
4,341	5.68E-07	4.66E-06	9.36E-06	4.94E-07	4.17E-06	8.26E-06	3.03E-07	2.57E-06	5.07E-06	3.90E-07	3.38E-06	6.64E-06	4.57E-07	3.74E-06	7.55E-06	4.78E-07	3.93E-06	7.92E-06	3.94E-07	3.35E-06	6.55E-06
4,342	5.68E-07	4.66E-06	9.36E-06	4.94E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.90E-07	3.38E-06	6.64E-06	4.57E-07	3.73E-06	7.55E-06	4.78E-07	3.93E-06	7.92E-06	3.94E-07	3.35E-06	6.55E-06
4,343	5.67E-07	4.66E-06	9.36E-06	4.94E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.55E-06	4.78E-07	3.93E-06	7.92E-06	3.94E-07	3.35E-06	6.55E-06
4,344	5.67E-07	4.66E-06	9.36E-06	4.94E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.55E-06	4.77E-07	3.93E-06	7.92E-06	3.94E-07	3.35E-06	6.55E-06
4,345	5.67E-07	4.66E-06	9.35E-06	4.94E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.55E-06	4.77E-07	3.92E-06	7.91E-06	3.94E-07	3.35E-06	6.55E-06
4,346	5.67E-07	4.66E-06	9.35E-06	4.94E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.54E-06	4.77E-07	3.92E-06	7.91E-06	3.94E-07	3.35E-06	6.55E-06
4,347	5.67E-07	4.66E-06	9.35E-06	4.93E-07	4.17E-06	8.25E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.54E-06	4.77E-07	3.92E-06	7.91E-06	3.94E-07	3.35E-06	6.55E-06
4,348	5.67E-07	4.66E-06	9.35E-06	4.93E-07	4.17E-06	8.24E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.54E-06	4.77E-07	3.92E-06	7.91E-06	3.94E-07	3.35E-06	6.55E-06
4,349	5.66E-07	4.65E-06	9.35E-06	4.93E-07	4.17E-06	8.24E-06	3.03E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.64E-06	4.56E-07	3.73E-06	7.54E-06	4.77E-07	3.92E-06	7.91E-06	3.94E-07	3.34E-06	6.54E-06
4,350	5.66E-07	4.65E-06	9.35E-06	4.93E-07	4.16E-06	8.24E-06	3.02E-07	2.57E-06	5.06E-06	3.89E-07	3.38E-06	6.63E-06	4.56E-07	3.73E-06	7.54E-06	4.77E-07	3.92E-06	7.91E-06	3.93E-07	3.34E-06	6.54E-06
4,351	5.66E-07	4.65E-06	9.34E-06	4.93E-07	4.16E-06	8.24E-06	3.02E-07	2.56E-06	5.05E-06	3.89E-07	3.38E-06	6.63E-06	4.56E-07	3.73E-06	7.53E-06	4.76E-07	3.92E-06	7.91E-06	3.93E-07	3.34E-06	6.54E-06
4,352	5.66E-07	4.65E-06	9.34E-06	4.93E-07	4.16E-06	8.24E-06	3.02E-07	2.56E-06	5.05E-06	3.89E-07	3.38E-06	6.63E-06	4.56E-07	3.72E-06	7.53E-06	4.76E-07	3.92E-06	7.91E-06	3.93E-07	3.34E-06	6.54E-06
4,353	5.66E-07	4.65E-06	9.34E-06	4.93E-07	4.16E-06	8.24E-06	3.02E-07	2.56E-06	5.05E-06	3.89E-07	3.38E-06	6.63E-06	4.56E-07	3.72E-06	7.53E-06	4.76E-07	3.91E-06	7.91E-06	3.93E-07	3.34E-06	6.54E-06
4,354	5.66E-07	4.65E-06	9.34E-06	4.93E-07	4.16E-06	8.24E-06	3.02E-07	2.56E-06	5.05E-06	3.88E-07	3.38E-06	6.63E-06	4.56E-07	3.72E-06	7.53E-06	4.76E-07	3.91E-06	7.90E-06	3.92E-07	3.33E-06	6.54E-06
4,355	5.66E-07	4.65E-06	9.34E-06	4.93E-07	4.16E-06	8.23E-06	3.02E-07	2.56E-06	5.05E-06	3.88E-07	3.37E-06	6.63E-06	4.56E-07	3.72E-06	7.53E-06	4.75E-07	3.91E-06	7.90E-06	3.92E-07	3.33E-06	6.54E-06
4,356	5.65E-07	4.65E-06	9.34E-06	4.92E-07	4.15E-06	8.23E-06	3.02E-07	2.56E-06	5.05E-06	3.88E-07	3.37E-06	6.63E-06	4.56E-07	3.72E-06	7.53E-06	4.75E-07	3.91E-06	7.90E-06	3.92E-07	3.33E-06	6.54E-06
4,357	5.65E-07	4.64E-06	9.33E-06	4.92E-07	4.15E-06	8.23E-06	3.02E-07	2.56E-06	5.04E-06	3.88E-07	3.37E-06	6.63E-06	4.55E-07	3.72E-06	7.52E-06	4.75E-07	3.91E-06	7.90E-06	3.92E-07	3.33E-06	6.54E-06
4,358	5.65E-07	4.64E-06	9.33E-06	4.92E-07	4.15E-06	8.23E-06	3.02E-07	2.56E-06	5.04E-06	3.87E-07	3.37E-06	6.62E-06	4.55E-07	3.72E-06	7.52E-06	4.75E-07	3.91E-06	7.90E-06	3.92E-07	3.33E-06	6.54E-06
4,359	5.65E-07	4.64E-06	9.33E-06	4.92E-07	4.15E-06	8.23E-06	3.02E-07	2.56E-06	5.04E-06	3.87E-07	3.37E-06	6.62E-06	4.55E-07	3.72E-06	7.52E-06	4.75E-07	3.91E-06	7.90E-06	3.91E-07	3.33E-06	6.54E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,380	5.61E-07	4.61E-06	9.29E-06	4.89E-07	4.12E-06	8.15E-06	3.00E-07	2.54E-06	5.02E-06	3.85E-07	3.34E-06	6.59E-06	4.52E-07	3.70E-06	7.48E-06	4.73E-07	3.89E-06	7.86E-06	3.90E-07	3.30E-06	6.49E-06
4,381	5.61E-07	4.61E-06	9.29E-06	4.89E-07	4.12E-06	8.15E-06	3.00E-07	2.54E-06	5.01E-06	3.85E-07	3.34E-06	6.59E-06	4.52E-07	3.70E-06	7.48E-06	4.73E-07	3.89E-06	7.86E-06	3.90E-07	3.30E-06	6.48E-06
4,382	5.61E-07	4.61E-06	9.29E-06	4.89E-07	4.11E-06	8.14E-06	3.00E-07	2.54E-06	5.01E-06	3.85E-07	3.34E-06	6.58E-06	4.52E-07	3.70E-06	7.48E-06	4.73E-07	3.89E-06	7.86E-06	3.89E-07	3.30E-06	6.48E-06
4,383	5.61E-07	4.60E-06	9.28E-06	4.89E-07	4.11E-06	8.14E-06	3.00E-07	2.54E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.52E-07	3.70E-06	7.47E-06	4.73E-07	3.89E-06	7.85E-06	3.89E-07	3.30E-06	6.47E-06
4,384	5.61E-07	4.60E-06	9.28E-06	4.88E-07	4.11E-06	8.14E-06	3.00E-07	2.54E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.52E-07	3.69E-06	7.47E-06	4.73E-07	3.89E-06	7.85E-06	3.89E-07	3.30E-06	6.47E-06
4,385	5.61E-07	4.60E-06	9.28E-06	4.88E-07	4.11E-06	8.13E-06	3.00E-07	2.54E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.51E-07	3.69E-06	7.47E-06	4.73E-07	3.89E-06	7.85E-06	3.89E-07	3.29E-06	6.47E-06
4,386	5.60E-07	4.60E-06	9.28E-06	4.88E-07	4.10E-06	8.13E-06	3.00E-07	2.54E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.51E-07	3.69E-06	7.46E-06	4.72E-07	3.89E-06	7.85E-06	3.89E-07	3.29E-06	6.47E-06
4,387	5.60E-07	4.60E-06	9.28E-06	4.88E-07	4.10E-06	8.13E-06	3.00E-07	2.53E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.51E-07	3.69E-06	7.46E-06	4.72E-07	3.89E-06	7.85E-06	3.89E-07	3.29E-06	6.47E-06
4,388	5.60E-07	4.60E-06	9.28E-06	4.88E-07	4.10E-06	8.13E-06	3.00E-07	2.53E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.51E-07	3.69E-06	7.46E-06	4.72E-07	3.89E-06	7.84E-06	3.89E-07	3.29E-06	6.47E-06
4,389	5.60E-07	4.60E-06	9.28E-06	4.88E-07	4.10E-06	8.12E-06	3.00E-07	2.53E-06	5.00E-06	3.85E-07	3.34E-06	6.58E-06	4.51E-07	3.69E-06	7.46E-06	4.72E-07	3.88E-06	7.84E-06	3.89E-07	3.29E-06	6.46E-06
4,390	5.60E-07	4.60E-06	9.28E-06	4.88E-07	4.10E-06	8.11E-06	3.00E-07	2.53E-06	4.99E-06	3.85E-07	3.34E-06	6.57E-06	4.50E-07	3.69E-06	7.46E-06	4.72E-07	3.88E-06	7.84E-06	3.89E-07	3.29E-06	6.46E-06
4,391	5.60E-07	4.59E-06	9.28E-06	4.88E-07	4.10E-06	8.11E-06	3.00E-07	2.53E-06	4.99E-06	3.84E-07	3.34E-06	6.57E-06	4.50E-07	3.69E-06	7.46E-06	4.72E-07	3.88E-06	7.84E-06	3.89E-07	3.29E-06	6.46E-06
4,392	5.59E-07	4.59E-06	9.27E-06	4.88E-07	4.10E-06	8.11E-06	3.00E-07	2.53E-06	4.99E-06	3.84E-07	3.34E-06	6.57E-06	4.50E-07	3.68E-06	7.45E-06	4.72E-07	3.88E-06	7.84E-06	3.89E-07	3.29E-06	6.46E-06
4,393	5.59E-07	4.59E-06	9.27E-06	4.88E-07	4.09E-06	8.10E-06	3.00E-07	2.53E-06	4.99E-06	3.84E-07	3.34E-06	6.57E-06	4.50E-07	3.68E-06	7.45E-06	4.72E-07	3.88E-06	7.84E-06	3.88E-07	3.29E-06	6.46E-06
4,394	5.59E-07	4.59E-06	9.27E-06	4.87E-07	4.09E-06	8.10E-06	3.00E-07	2.53E-06	4.99E-06	3.84E-07	3.34E-06	6.57E-06	4.50E-07	3.68E-06	7.45E-06	4.72E-07	3.88E-06	7.84E-06	3.88E-07	3.29E-06	6.46E-06
4,395	5.59E-07	4.59E-06	9.27E-06	4.87E-07	4.09E-06	8.10E-06	3.00E-07	2.53E-06	4.98E-06	3.84E-07	3.33E-06	6.57E-06	4.50E-07	3.68E-06	7.45E-06	4.71E-07	3.88E-06	7.83E-06	3.88E-07	3.29E-06	6.46E-06
4,396	5.59E-07	4.59E-06	9.26E-06	4.87E-07	4.09E-06	8.09E-06	3.00E-07	2.53E-06	4.98E-06	3.84E-07	3.33E-06	6.56E-06	4.50E-07	3.68E-06	7.44E-06	4.71E-07	3.88E-06	7.83E-06	3.88E-07	3.29E-06	6.45E-06
4,397	5.59E-07	4.59E-06	9.26E-06	4.87E-07	4.09E-06	8.09E-06	3.00E-07	2.53E-06	4.98E-06	3.84E-07	3.33E-06	6.56E-06	4.50E-07	3.68E-06	7.44E-06	4.71E-07	3.87E-06	7.83E-06	3.88E-07	3.29E-06	6.45E-06
4,398	5.59E-07	4.58E-06	9.26E-06	4.87E-07	4.08E-06	8.09E-06	3.00E-07	2.53E-06	4.98E-06	3.84E-07	3.33E-06	6.56E-06	4.50E-07	3.68E-06	7.44E-06	4.71E-07	3.87E-06	7.83E-06	3.88E-07	3.29E-06	6.45E-06
4,399	5.58E-07	4.58E-06	9.25E-06	4.87E-07	4.08E-06	8.09E-06	2.99E-07	2.52E-06	4.98E-06	3.84E-07	3.33E-06	6.56E-06	4.50E-07	3.68E-06	7.44E-06	4.70E-07	3.87E-06	7.83E-06	3.88E-07	3.28E-06	6.45E-06
4,400	5.58E-07	4.58E-06	9.25E-06	4.87E-07	4.08E-06	8.09E-06	2.99E-07	2.52E-06	4.97E-06	3.84E-07	3.33E-06	6.56E-06	4.49E-07	3.68E-06	7.44E-06	4.70E-07	3.87E-06	7.82E-06	3.88E-07	3.28E-06	6.45E-06
4,401	5.58E-07	4.58E-06	9.25E-06	4.87E-07	4.08E-06	8.09E-06	2.99E-07	2.52E-06	4.97E-06	3.84E-07	3.33E-06	6.56E-06	4.49E-07	3.67E-06	7.43E-06	4.70E-07	3.87E-06	7.82E-06	3.88E-07	3.28E-06	6.45E-06
4,402	5.58E-07	4.58E-06	9.25E-06	4.87E-07	4.08E-06	8.08E-06	2.99E-07	2.52E-06	4.97E-06	3.84E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.43E-06	4.70E-07	3.86E-06	7.82E-06	3.88E-07	3.28E-06	6.45E-06
4,403	5.58E-07	4.58E-06	9.24E-06	4.87E-07	4.08E-06	8.08E-06	2.99E-07	2.52E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.43E-06	4.70E-07	3.86E-06	7.82E-06	3.88E-07	3.28E-06	6.44E-06
4,404	5.58E-07	4.58E-06	9.24E-06	4.87E-07	4.08E-06	8.08E-06	2.99E-07	2.52E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.43E-06	4.70E-07	3.86E-06	7.81E-06	3.88E-07	3.28E-06	6.44E-06
4,405	5.57E-07	4.57E-06	9.24E-06	4.86E-07	4.07E-06	8.08E-06	2.99E-07	2.52E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.43E-06	4.69E-07	3.86E-06	7.81E-06	3.87E-07	3.28E-06	6.44E-06
4,406	5.57E-07	4.57E-06	9.24E-06	4.86E-07	4.07E-06	8.08E-06	2.99E-07	2.52E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.43E-06	4.69E-07	3.86E-06	7.81E-06	3.87E-07	3.28E-06	6.44E-06
4,407	5.56E-07	4.57E-06	9.24E-06	4.86E-07	4.07E-06	8.08E-06	2.99E-07	2.51E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.49E-07	3.67E-06	7.42E-06	4.69E-07	3.86E-06	7.80E-06	3.87E-07	3.28E-06	6.43E-06
4,408	5.56E-07	4.57E-06	9.24E-06	4.86E-07	4.07E-06	8.08E-06	2.99E-07	2.51E-06	4.97E-06	3.83E-07	3.32E-06	6.55E-06	4.48E-07	3.67E-06	7.42E-06	4.69E-07	3.86E-06	7.80E-06	3.87E-07	3.28E-06	6.43E-06
4,409	5.56E-07	4.57E-06	9.24E-06	4.86E-07	4.07E-06	8.07E-06	2.99E-07	2.51E-06	4.97E-06	3.83E-07	3.32E-06	6.54E-06	4.48E-07	3.67E-06	7.42E-06	4.69E-07	3.86E-06	7.80E-06	3.87E-07	3.28E-06	6.43E-06
4,410	5.56E-07	4.57E-06	9.23E-06	4.86E-07	4.07E-06	8.07E-06	2.99E-07	2.51E-06	4.96E-06	3.82E-07	3.32E-06	6.54E-06	4.48E-07	3.66E-06	7.42E-06	4.69E-07	3.86E-06	7.80E-06	3.87E-07	3.28E-06	6.43E-06
4,411	5.56E-07	4.57E-06	9.23E-06	4.86E-07	4.07E-06	8.07E-06	2.99E-07	2.51E-06	4.96E-06	3.82E-07	3.31E-06	6.54E-06	4.48E-07	3.66E-06	7.42E-06	4.69E-07	3.85E-06	7.79E-06	3.87E-07	3.28E-06	6.42E-06
4,412	5.56E-07	4.57E-06	9.23E-06	4.86E-07	4.07E-06	8.07E-06	2.98E-07	2.51E-06	4.96E-06	3.82E-07	3.31E-06	6.54E-06	4.48E-07	3.66E-06	7.42E-06	4.69E-07	3.85E-06	7.79E-06	3.87E-07	3.27E-06	6.42E-06
4,413	5.56E-07	4.56E-06	9.23E-06	4.85E-07	4.07E-06	8.07E-06	2.98E-07	2.51E-06	4.96E-06	3.82E-07	3.31E-06	6.54E-06	4.47E-07	3.66E-06	7.42E-06	4.69E-07	3.85E-06	7.79E-06	3.86E-07	3.27E-06	6.42E-06
4,414	5.56E-07	4.56E-06	9.22E-06	4.85E-07	4.07E-06	8.07E-06	2.98E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.53E-06	4.47E-07	3.66E-06	7.42E-06	4.68E-07	3.85E-06	7.79E-06	3.86E-07	3.27E-06	6.42E-06
4,415	5.56E-07	4.56E-06	9.22E-06	4.85E-07	4.07E-06	8.06E-06	2.98E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.53E-06	4.47E-07	3.66E-06	7.42E-06	4.69E-07	3.85E-06	7.79E-06	3.86E-07	3.27E-06	6.42E-06
4,416	5.56E-07	4.56E-06	9.22E-06	4.85E-07	4.07E-06	8.06E-06	2.98E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.53E-06	4.47E-07	3.66E-06	7.42E-06	4.69E-07	3.85E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06
4,417	5.55E-07	4.56E-06	9.22E-06	4.85E-07	4.06E-06	8.06E-06	2.98E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.53E-06	4.47E-07	3.66E-06	7.42E-06	4.68E-07	3.85E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06
4,418	5.55E-07	4.56E-06	9.21E-06	4.85E-07	4.06E-06	8.06E-06	2.98E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.53E-06	4.46E-07	3.66E-06	7.42E-06	4.68E-07	3.84E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06
4,419	5.55E-07	4.55E-06	9.21E-06	4.84E-07	4.06E-06	8.06E-06	2.97E-07	2.51E-06	4.95E-06	3.82E-07	3.31E-06	6.52E-06	4.46E-07	3.66E-06	7.42E-06	4.68E-07	3.84E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06
4,420	5.55E-07	4.55E-06	9.21E-06	4.84E-07	4.06E-06	8.06E-06	2.97E-07	2.50E-06	4.95E-06	3.82E-07	3.31E-06	6.52E-06	4.46E-07	3.66E-06	7.42E-06	4.68E-07	3.84E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06
4,421	5.54E-07	4.55E-06	9.20E-06	4.84E-07	4.05E-06	8.05E-06	2.97E-07	2.50E-06	4.95E-06	3.81E-07	3.31E-06	6.52E-06	4.46E-07	3.65E-06	7.42E-06	4.68E-07	3.84E-06	7.78E-06	3.86E-07	3.27E-06	6.41E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,442	5.52E-07	4.52E-06	9.16E-06	4.81E-07	4.03E-06	8.00E-06	2.95E-07	2.49E-06	4.92E-06	3.80E-07	3.29E-06	6.47E-06	4.43E-07	3.63E-06	7.37E-06	4.66E-07	3.82E-06	7.73E-06	3.84E-07	3.25E-06	6.37E-06
4,443	5.52E-07	4.52E-06	9.16E-06	4.80E-07	4.03E-06	8.00E-06	2.95E-07	2.49E-06	4.91E-06	3.80E-07	3.29E-06	6.47E-06	4.43E-07	3.62E-06	7.37E-06	4.66E-07	3.82E-06	7.73E-06	3.83E-07	3.25E-06	6.37E-06
4,444	5.52E-07	4.52E-06	9.16E-06	4.80E-07	4.03E-06	8.00E-06	2.95E-07	2.49E-06	4.91E-06	3.80E-07	3.28E-06	6.47E-06	4.43E-07	3.62E-06	7.37E-06	4.66E-07	3.82E-06	7.72E-06	3.83E-07	3.24E-06	6.36E-06
4,445	5.52E-07	4.52E-06	9.16E-06	4.80E-07	4.03E-06	7.99E-06	2.95E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.47E-06	4.43E-07	3.62E-06	7.37E-06	4.66E-07	3.82E-06	7.72E-06	3.83E-07	3.24E-06	6.36E-06
4,446	5.52E-07	4.52E-06	9.15E-06	4.80E-07	4.03E-06	7.99E-06	2.95E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.47E-06	4.43E-07	3.62E-06	7.36E-06	4.66E-07	3.82E-06	7.72E-06	3.83E-07	3.24E-06	6.36E-06
4,447	5.51E-07	4.52E-06	9.15E-06	4.80E-07	4.03E-06	7.99E-06	2.95E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.47E-06	4.43E-07	3.62E-06	7.36E-06	4.65E-07	3.82E-06	7.72E-06	3.83E-07	3.24E-06	6.36E-06
4,448	5.51E-07	4.51E-06	9.15E-06	4.80E-07	4.03E-06	7.99E-06	2.95E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.47E-06	4.43E-07	3.62E-06	7.36E-06	4.65E-07	3.82E-06	7.71E-06	3.83E-07	3.24E-06	6.36E-06
4,449	5.51E-07	4.51E-06	9.15E-06	4.80E-07	4.03E-06	7.99E-06	2.95E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.46E-06	4.43E-07	3.62E-06	7.35E-06	4.65E-07	3.81E-06	7.71E-06	3.83E-07	3.24E-06	6.36E-06
4,450	5.51E-07	4.51E-06	9.15E-06	4.80E-07	4.03E-06	7.98E-06	2.94E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.46E-06	4.42E-07	3.62E-06	7.35E-06	4.65E-07	3.81E-06	7.71E-06	3.83E-07	3.24E-06	6.36E-06
4,451	5.51E-07	4.51E-06	9.15E-06	4.79E-07	4.03E-06	7.98E-06	2.94E-07	2.48E-06	4.91E-06	3.80E-07	3.28E-06	6.46E-06	4.42E-07	3.62E-06	7.35E-06	4.65E-07	3.81E-06	7.71E-06	3.83E-07	3.23E-06	6.36E-06
4,452	5.51E-07	4.50E-06	9.15E-06	4.79E-07	4.02E-06	7.97E-06	2.94E-07	2.48E-06	4.90E-06	3.79E-07	3.28E-06	6.46E-06	4.42E-07	3.62E-06	7.35E-06	4.65E-07	3.81E-06	7.71E-06	3.83E-07	3.23E-06	6.35E-06
4,453	5.51E-07	4.50E-06	9.14E-06	4.79E-07	4.02E-06	7.97E-06	2.94E-07	2.48E-06	4.90E-06	3.79E-07	3.28E-06	6.46E-06	4.42E-07	3.62E-06	7.35E-06	4.65E-07	3.81E-06	7.71E-06	3.83E-07	3.23E-06	6.35E-06
4,454	5.51E-07	4.50E-06	9.14E-06	4.79E-07	4.02E-06	7.97E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.46E-06	4.42E-07	3.62E-06	7.34E-06	4.65E-07	3.81E-06	7.71E-06	3.82E-07	3.23E-06	6.35E-06
4,455	5.50E-07	4.50E-06	9.14E-06	4.79E-07	4.01E-06	7.97E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.46E-06	4.42E-07	3.62E-06	7.34E-06	4.65E-07	3.81E-06	7.70E-06	3.82E-07	3.23E-06	6.35E-06
4,456	5.50E-07	4.50E-06	9.14E-06	4.79E-07	4.01E-06	7.97E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.45E-06	4.42E-07	3.62E-06	7.34E-06	4.65E-07	3.81E-06	7.70E-06	3.82E-07	3.23E-06	6.35E-06
4,457	5.50E-07	4.50E-06	9.13E-06	4.79E-07	4.01E-06	7.96E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.45E-06	4.41E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.70E-06	3.82E-07	3.22E-06	6.35E-06
4,458	5.50E-07	4.49E-06	9.13E-06	4.79E-07	4.01E-06	7.96E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.45E-06	4.41E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.69E-06	3.82E-07	3.22E-06	6.34E-06
4,459	5.50E-07	4.49E-06	9.13E-06	4.79E-07	4.01E-06	7.96E-06	2.94E-07	2.47E-06	4.90E-06	3.79E-07	3.27E-06	6.45E-06	4.41E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.69E-06	3.82E-07	3.22E-06	6.34E-06
4,460	5.50E-07	4.49E-06	9.12E-06	4.79E-07	4.01E-06	7.96E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.27E-06	6.45E-06	4.41E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.69E-06	3.82E-07	3.22E-06	6.34E-06
4,461	5.50E-07	4.49E-06	9.12E-06	4.78E-07	4.00E-06	7.96E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.27E-06	6.45E-06	4.41E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.69E-06	3.81E-07	3.22E-06	6.34E-06
4,462	5.49E-07	4.49E-06	9.12E-06	4.78E-07	4.00E-06	7.95E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.27E-06	6.45E-06	4.40E-07	3.61E-06	7.33E-06	4.64E-07	3.81E-06	7.69E-06	3.81E-07	3.22E-06	6.34E-06
4,463	5.49E-07	4.49E-06	9.12E-06	4.78E-07	4.00E-06	7.95E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.26E-06	6.45E-06	4.40E-07	3.61E-06	7.33E-06	4.64E-07	3.80E-06	7.68E-06	3.81E-07	3.22E-06	6.34E-06
4,464	5.48E-07	4.49E-06	9.12E-06	4.78E-07	4.00E-06	7.95E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.26E-06	6.45E-06	4.40E-07	3.61E-06	7.33E-06	4.64E-07	3.80E-06	7.68E-06	3.81E-07	3.22E-06	6.33E-06
4,465	5.48E-07	4.49E-06	9.12E-06	4.77E-07	4.00E-06	7.95E-06	2.94E-07	2.47E-06	4.90E-06	3.78E-07	3.26E-06	6.45E-06	4.40E-07	3.60E-06	7.33E-06	4.64E-07	3.80E-06	7.68E-06	3.81E-07	3.21E-06	6.33E-06
4,466	5.48E-07	4.49E-06	9.11E-06	4.77E-07	4.00E-06	7.95E-06	2.93E-07	2.47E-06	4.90E-06	3.78E-07	3.26E-06	6.45E-06	4.40E-07	3.60E-06	7.33E-06	4.64E-07	3.80E-06	7.68E-06	3.81E-07	3.21E-06	6.33E-06
4,467	5.48E-07	4.48E-06	9.11E-06	4.77E-07	4.00E-06	7.94E-06	2.93E-07	2.47E-06	4.90E-06	3.78E-07	3.26E-06	6.44E-06	4.40E-07	3.60E-06	7.32E-06	4.63E-07	3.80E-06	7.67E-06	3.81E-07	3.21E-06	6.33E-06
4,468	5.48E-07	4.48E-06	9.10E-06	4.77E-07	4.00E-06	7.94E-06	2.93E-07	2.47E-06	4.89E-06	3.77E-07	3.26E-06	6.44E-06	4.40E-07	3.60E-06	7.32E-06	4.63E-07	3.80E-06	7.67E-06	3.81E-07	3.21E-06	6.33E-06
4,469	5.48E-07	4.48E-06	9.10E-06	4.77E-07	4.00E-06	7.94E-06	2.93E-07	2.47E-06	4.89E-06	3.77E-07	3.26E-06	6.44E-06	4.40E-07	3.60E-06	7.32E-06	4.63E-07	3.80E-06	7.67E-06	3.80E-07	3.21E-06	6.33E-06
4,470	5.48E-07	4.48E-06	9.10E-06	4.77E-07	4.00E-06	7.94E-06	2.93E-07	2.47E-06	4.89E-06	3.77E-07	3.26E-06	6.44E-06	4.40E-07	3.60E-06	7.32E-06	4.63E-07	3.80E-06	7.67E-06	3.80E-07	3.21E-06	6.33E-06
4,471	5.48E-07	4.48E-06	9.09E-06	4.77E-07	3.99E-06	7.94E-06	2.93E-07	2.46E-06	4.89E-06	3.77E-07	3.26E-06	6.44E-06	4.39E-07	3.60E-06	7.32E-06	4.63E-07	3.80E-06	7.67E-06	3.80E-07	3.21E-06	6.33E-06
4,472	5.48E-07	4.48E-06	9.09E-06	4.77E-07	3.99E-06	7.94E-06	2.93E-07	2.46E-06	4.89E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.60E-06	7.31E-06	4.63E-07	3.80E-06	7.67E-06	3.80E-07	3.21E-06	6.32E-06
4,473	5.47E-07	4.47E-06	9.09E-06	4.77E-07	3.99E-06	7.93E-06	2.93E-07	2.46E-06	4.89E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.60E-06	7.31E-06	4.63E-07	3.80E-06	7.66E-06	3.80E-07	3.21E-06	6.32E-06
4,474	5.47E-07	4.47E-06	9.08E-06	4.77E-07	3.99E-06	7.93E-06	2.92E-07	2.46E-06	4.89E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.66E-06	3.79E-07	3.21E-06	6.32E-06
4,475	5.47E-07	4.47E-06	9.08E-06	4.77E-07	3.99E-06	7.93E-06	2.92E-07	2.46E-06	4.89E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.66E-06	3.79E-07	3.21E-06	6.32E-06
4,476	5.47E-07	4.47E-06	9.07E-06	4.77E-07	3.98E-06	7.93E-06	2.92E-07	2.45E-06	4.89E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.66E-06	3.79E-07	3.21E-06	6.32E-06
4,477	5.47E-07	4.47E-06	9.07E-06	4.77E-07	3.98E-06	7.93E-06	2.92E-07	2.45E-06	4.88E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.65E-06	3.79E-07	3.20E-06	6.32E-06
4,478	5.47E-07	4.47E-06	9.07E-06	4.77E-07	3.98E-06	7.92E-06	2.92E-07	2.45E-06	4.88E-06	3.77E-07	3.26E-06	6.43E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.65E-06	3.79E-07	3.20E-06	6.31E-06
4,479	5.47E-07	4.47E-06	9.07E-06	4.77E-07	3.98E-06	7.92E-06	2.92E-07	2.45E-06	4.88E-06	3.77E-07	3.25E-06	6.42E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.80E-06	7.65E-06	3.79E-07	3.20E-06	6.31E-06
4,480	5.47E-07	4.47E-06	9.07E-06	4.76E-07	3.98E-06	7.91E-06	2.92E-07	2.45E-06	4.88E-06	3.76E-07	3.25E-06	6.42E-06	4.39E-07	3.59E-06	7.31E-06	4.62E-07	3.79E-06	7.65E-06	3.79E-07	3.20E-06	6.31E-06
4,481	5.46E-07	4.46E-06	9.06E-06	4.76E-07	3.98E-06	7.91E-06	2.92E-07	2.45E-06	4.88E-06	3.76E-07	3.25E-06	6.42E-06	4.39E-07	3.59E-06	7.30E-06	4.61E-07	3.79E-06	7.65E-06	3.78E-07	3.20E-06	6.31E-06
4,482	5.46E-07	4.46E-06	9.06E-06	4.76E-07	3.98E-06	7.91E-06	2.92E-07	2.45E-06	4.88E-06	3.76E-07	3.25E-06	6.42E-06	4.39E-07	3.59E-06	7.30E-06	4.61E-07	3.79E-06	7.65E-06	3.78E-07	3.20E-06	6.31E-06
4,483	5.46E-07	4.46E-06	9.06E-06	4.76E-07	3.98E-06	7.90E-06	2.92E-07	2.45E-06	4.88E-06	3.76E-07	3.25E-06	6.41E-06	4.39E-07	3.59E-06	7.29E-06	4.61E-07	3.79E-06	7.64E-06	3.78E-07	3.20E-06	6.31E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,504	5.43E-07	4.44E-06	9.01E-06	4.72E-07	3.95E-06	7.84E-06	2.91E-07	2.44E-06	4.84E-06	3.74E-07	3.23E-06	6.38E-06	4.35E-07	3.57E-06	7.25E-06	4.58E-07	3.77E-06	7.61E-06	3.77E-07	3.17E-06	6.28E-06
4,505	5.43E-07	4.44E-06	9.01E-06	4.72E-07	3.95E-06	7.84E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.38E-06	4.35E-07	3.57E-06	7.24E-06	4.58E-07	3.77E-06	7.61E-06	3.77E-07	3.17E-06	6.28E-06
4,506	5.42E-07	4.44E-06	9.00E-06	4.72E-07	3.95E-06	7.84E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.38E-06	4.35E-07	3.56E-06	7.24E-06	4.58E-07	3.77E-06	7.61E-06	3.76E-07	3.17E-06	6.28E-06
4,507	5.42E-07	4.43E-06	9.00E-06	4.72E-07	3.95E-06	7.84E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.38E-06	4.35E-07	3.56E-06	7.24E-06	4.58E-07	3.77E-06	7.60E-06	3.76E-07	3.17E-06	6.28E-06
4,508	5.42E-07	4.43E-06	9.00E-06	4.72E-07	3.95E-06	7.83E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.38E-06	4.35E-07	3.56E-06	7.24E-06	4.58E-07	3.77E-06	7.60E-06	3.76E-07	3.17E-06	6.28E-06
4,509	5.42E-07	4.43E-06	9.00E-06	4.72E-07	3.94E-06	7.83E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.37E-06	4.34E-07	3.56E-06	7.24E-06	4.58E-07	3.77E-06	7.60E-06	3.76E-07	3.17E-06	6.28E-06
4,510	5.42E-07	4.43E-06	9.00E-06	4.71E-07	3.94E-06	7.81E-06	2.90E-07	2.43E-06	4.84E-06	3.74E-07	3.23E-06	6.37E-06	4.34E-07	3.56E-06	7.23E-06	4.58E-07	3.77E-06	7.60E-06	3.76E-07	3.17E-06	6.28E-06
4,511	5.42E-07	4.43E-06	9.00E-06	4.71E-07	3.94E-06	7.81E-06	2.90E-07	2.42E-06	4.84E-06	3.74E-07	3.22E-06	6.37E-06	4.34E-07	3.56E-06	7.23E-06	4.58E-07	3.77E-06	7.60E-06	3.76E-07	3.16E-06	6.27E-06
4,512	5.42E-07	4.43E-06	8.99E-06	4.71E-07	3.94E-06	7.81E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.37E-06	4.34E-07	3.56E-06	7.23E-06	4.57E-07	3.77E-06	7.59E-06	3.76E-07	3.16E-06	6.27E-06
4,513	5.41E-07	4.43E-06	8.99E-06	4.71E-07	3.94E-06	7.81E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.37E-06	4.34E-07	3.55E-06	7.23E-06	4.57E-07	3.76E-06	7.59E-06	3.76E-07	3.16E-06	6.27E-06
4,514	5.41E-07	4.42E-06	8.99E-06	4.71E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.33E-07	3.55E-06	7.22E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,515	5.41E-07	4.42E-06	8.99E-06	4.71E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.33E-07	3.55E-06	7.22E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,516	5.41E-07	4.42E-06	8.98E-06	4.70E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.33E-07	3.55E-06	7.22E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,517	5.41E-07	4.42E-06	8.98E-06	4.70E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.33E-07	3.55E-06	7.22E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,518	5.41E-07	4.42E-06	8.98E-06	4.70E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.33E-07	3.55E-06	7.21E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,519	5.40E-07	4.42E-06	8.98E-06	4.70E-07	3.94E-06	7.80E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.76E-06	7.59E-06	3.75E-07	3.16E-06	6.26E-06
4,520	5.40E-07	4.42E-06	8.96E-06	4.70E-07	3.93E-06	7.79E-06	2.89E-07	2.42E-06	4.83E-06	3.73E-07	3.22E-06	6.36E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.76E-06	7.58E-06	3.75E-07	3.16E-06	6.26E-06
4,521	5.40E-07	4.42E-06	8.96E-06	4.70E-07	3.93E-06	7.79E-06	2.89E-07	2.42E-06	4.83E-06	3.72E-07	3.22E-06	6.36E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.75E-06	7.58E-06	3.75E-07	3.16E-06	6.26E-06
4,522	5.40E-07	4.42E-06	8.96E-06	4.70E-07	3.93E-06	7.79E-06	2.89E-07	2.42E-06	4.83E-06	3.72E-07	3.22E-06	6.36E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.75E-06	7.58E-06	3.75E-07	3.16E-06	6.26E-06
4,523	5.40E-07	4.42E-06	8.96E-06	4.69E-07	3.93E-06	7.78E-06	2.89E-07	2.42E-06	4.82E-06	3.72E-07	3.22E-06	6.36E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.75E-06	7.58E-06	3.74E-07	3.16E-06	6.25E-06
4,524	5.40E-07	4.42E-06	8.96E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.42E-06	4.82E-06	3.71E-07	3.22E-06	6.35E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.75E-06	7.58E-06	3.74E-07	3.16E-06	6.25E-06
4,525	5.40E-07	4.42E-06	8.96E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.42E-06	4.82E-06	3.71E-07	3.21E-06	6.35E-06	4.32E-07	3.55E-06	7.21E-06	4.57E-07	3.75E-06	7.57E-06	3.74E-07	3.16E-06	6.25E-06
4,526	5.40E-07	4.42E-06	8.96E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.41E-06	4.82E-06	3.71E-07	3.21E-06	6.35E-06	4.32E-07	3.55E-06	7.20E-06	4.57E-07	3.75E-06	7.57E-06	3.74E-07	3.15E-06	6.25E-06
4,527	5.39E-07	4.42E-06	8.95E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.41E-06	4.82E-06	3.71E-07	3.21E-06	6.35E-06	4.31E-07	3.55E-06	7.20E-06	4.57E-07	3.75E-06	7.57E-06	3.74E-07	3.15E-06	6.25E-06
4,528	5.39E-07	4.42E-06	8.95E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.41E-06	4.82E-06	3.71E-07	3.21E-06	6.34E-06	4.31E-07	3.55E-06	7.19E-06	4.56E-07	3.75E-06	7.57E-06	3.74E-07	3.15E-06	6.25E-06
4,529	5.39E-07	4.41E-06	8.95E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.41E-06	4.82E-06	3.71E-07	3.21E-06	6.34E-06	4.31E-07	3.54E-06	7.19E-06	4.56E-07	3.75E-06	7.57E-06	3.74E-07	3.15E-06	6.25E-06
4,530	5.39E-07	4.41E-06	8.95E-06	4.69E-07	3.93E-06	7.77E-06	2.88E-07	2.41E-06	4.82E-06	3.71E-07	3.21E-06	6.34E-06	4.31E-07	3.54E-06	7.19E-06	4.56E-07	3.74E-06	7.57E-06	3.74E-07	3.15E-06	6.24E-06
4,531	5.39E-07	4.41E-06	8.95E-06	4.69E-07	3.93E-06	7.76E-06	2.88E-07	2.41E-06	4.81E-06	3.71E-07	3.21E-06	6.34E-06	4.31E-07	3.54E-06	7.18E-06	4.56E-07	3.74E-06	7.57E-06	3.73E-07	3.15E-06	6.24E-06
4,532	5.39E-07	4.41E-06	8.94E-06	4.68E-07	3.92E-06	7.76E-06	2.88E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.34E-06	4.31E-07	3.54E-06	7.18E-06	4.56E-07	3.74E-06	7.56E-06	3.73E-07	3.15E-06	6.24E-06
4,533	5.39E-07	4.41E-06	8.94E-06	4.68E-07	3.92E-06	7.76E-06	2.87E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.34E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.74E-06	7.56E-06	3.73E-07	3.15E-06	6.24E-06
4,534	5.39E-07	4.41E-06	8.94E-06	4.68E-07	3.92E-06	7.76E-06	2.87E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.74E-06	7.56E-06	3.73E-07	3.14E-06	6.24E-06
4,535	5.39E-07	4.41E-06	8.94E-06	4.68E-07	3.92E-06	7.76E-06	2.87E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.74E-06	7.56E-06	3.73E-07	3.14E-06	6.24E-06
4,536	5.39E-07	4.40E-06	8.94E-06	4.68E-07	3.92E-06	7.76E-06	2.87E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.73E-06	7.56E-06	3.73E-07	3.14E-06	6.23E-06
4,537	5.38E-07	4.40E-06	8.94E-06	4.68E-07	3.92E-06	7.75E-06	2.87E-07	2.41E-06	4.81E-06	3.71E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.73E-06	7.55E-06	3.73E-07	3.14E-06	6.23E-06
4,538	5.38E-07	4.40E-06	8.93E-06	4.68E-07	3.92E-06	7.75E-06	2.87E-07	2.41E-06	4.81E-06	3.70E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.18E-06	4.55E-07	3.73E-06	7.55E-06	3.72E-07	3.14E-06	6.23E-06
4,539	5.38E-07	4.40E-06	8.93E-06	4.68E-07	3.91E-06	7.75E-06	2.87E-07	2.41E-06	4.81E-06	3.70E-07	3.20E-06	6.33E-06	4.31E-07	3.54E-06	7.17E-06	4.55E-07	3.73E-06	7.55E-06	3.72E-07	3.14E-06	6.23E-06
4,540	5.38E-07	4.40E-06	8.93E-06	4.67E-07	3.91E-06	7.75E-06	2.87E-07	2.41E-06	4.81E-06	3.70E-07	3.19E-06	6.32E-06	4.31E-07	3.54E-06	7.17E-06	4.55E-07	3.73E-06	7.55E-06	3.72E-07	3.14E-06	6.23E-06
4,541	5.38E-07	4.40E-06	8.93E-06	4.67E-07	3.91E-06	7.75E-06	2.87E-07	2.41E-06	4.81E-06	3.70E-07	3.19E-06	6.32E-06	4.30E-07	3.53E-06	7.17E-06	4.54E-07	3.73E-06	7.54E-06	3.72E-07	3.14E-06	6.22E-06
4,542	5.38E-07	4.40E-06	8.93E-06	4.67E-07	3.91E-06	7.74E-06	2.87E-07	2.41E-06	4.80E-06	3.70E-07	3.19E-06	6.32E-06	4.30E-07	3.53E-06	7.17E-06	4.54E-07	3.73E-06	7.54E-06	3.72E-07	3.14E-06	6.21E-06
4,543	5.38E-07	4.40E-06	8.93E-06	4.67E-07	3.91E-06	7.74E-06	2.87E-07	2.40E-06	4.80E-06	3.70E-07	3.19E-06	6.32E-06	4.30E-07	3.53E-06	7.17E-06	4.54E-07	3.73E-06	7.54E-06	3.72E-07	3.14E-06	6.21E-06
4,544	5.38E-07	4.40E-06	8.92E-06	4.67E-07	3.91E-06	7.74E-06	2.86E-07	2.40E-06	4.80E-06	3.70E-07	3.19E-06	6.32E-06	4.30E-07	3.53E-06	7.16E-06	4.54E-07	3.73E-06	7.54E-06	3.71E-07	3.14E-06	6.21E-06
4,545	5.38E-07	4.40E-06	8.92E-06	4.67E-07	3.91E-06	7.74E-06	2.86E-07	2.40E-06	4.80E-06	3.70E-07	3.19E-06	6.32E-06	4.30E-07	3.53E-06	7.16E-06	4.54E-07	3.73E-06	7.53E-06	3.71E-07	3.14E-06	6.20E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,752	5.07E-07	4.13E-06	8.45E-06	4.41E-07	3.67E-06	7.33E-06	2.69E-07	2.27E-06	4.53E-06	3.49E-07	3.00E-06	5.99E-06	4.07E-07	3.33E-06	6.81E-06	4.30E-07	3.51E-06	7.18E-06	3.50E-07	2.97E-06	5.88E-06
4,753	5.07E-07	4.13E-06	8.45E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.49E-07	3.00E-06	5.98E-06	4.07E-07	3.33E-06	6.80E-06	4.30E-07	3.50E-06	7.18E-06	3.50E-07	2.97E-06	5.88E-06
4,754	5.07E-07	4.13E-06	8.45E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.49E-07	3.00E-06	5.98E-06	4.07E-07	3.33E-06	6.80E-06	4.29E-07	3.50E-06	7.18E-06	3.50E-07	2.97E-06	5.88E-06
4,755	5.07E-07	4.13E-06	8.44E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.33E-06	6.80E-06	4.29E-07	3.50E-06	7.18E-06	3.50E-07	2.97E-06	5.88E-06
4,756	5.07E-07	4.13E-06	8.44E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.33E-06	6.80E-06	4.29E-07	3.50E-06	7.17E-06	3.50E-07	2.97E-06	5.88E-06
4,757	5.07E-07	4.13E-06	8.43E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.32E-06	6.80E-06	4.29E-07	3.50E-06	7.17E-06	3.50E-07	2.97E-06	5.88E-06
4,758	5.07E-07	4.13E-06	8.43E-06	4.41E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.53E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.32E-06	6.79E-06	4.29E-07	3.50E-06	7.17E-06	3.50E-07	2.97E-06	5.88E-06
4,759	5.06E-07	4.13E-06	8.43E-06	4.40E-07	3.67E-06	7.32E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.32E-06	6.79E-06	4.29E-07	3.50E-06	7.17E-06	3.50E-07	2.97E-06	5.88E-06
4,760	5.06E-07	4.13E-06	8.43E-06	4.40E-07	3.67E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	3.00E-06	5.98E-06	4.07E-07	3.32E-06	6.79E-06	4.29E-07	3.50E-06	7.17E-06	3.50E-07	2.96E-06	5.88E-06
4,761	5.06E-07	4.13E-06	8.43E-06	4.40E-07	3.67E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	3.00E-06	5.97E-06	4.06E-07	3.32E-06	6.79E-06	4.28E-07	3.50E-06	7.17E-06	3.49E-07	2.96E-06	5.87E-06
4,762	5.06E-07	4.12E-06	8.43E-06	4.40E-07	3.66E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	3.00E-06	5.97E-06	4.06E-07	3.32E-06	6.79E-06	4.28E-07	3.50E-06	7.17E-06	3.49E-07	2.96E-06	5.87E-06
4,763	5.06E-07	4.12E-06	8.42E-06	4.40E-07	3.66E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	3.00E-06	5.97E-06	4.06E-07	3.32E-06	6.79E-06	4.28E-07	3.50E-06	7.16E-06	3.49E-07	2.96E-06	5.87E-06
4,764	5.06E-07	4.12E-06	8.42E-06	4.40E-07	3.66E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	2.99E-06	5.97E-06	4.06E-07	3.32E-06	6.78E-06	4.28E-07	3.50E-06	7.16E-06	3.49E-07	2.96E-06	5.86E-06
4,765	5.06E-07	4.12E-06	8.42E-06	4.39E-07	3.66E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	2.99E-06	5.97E-06	4.06E-07	3.32E-06	6.78E-06	4.28E-07	3.49E-06	7.16E-06	3.49E-07	2.96E-06	5.86E-06
4,766	5.06E-07	4.12E-06	8.42E-06	4.39E-07	3.66E-06	7.31E-06	2.69E-07	2.26E-06	4.52E-06	3.48E-07	2.99E-06	5.97E-06	4.06E-07	3.32E-06	6.78E-06	4.27E-07	3.49E-06	7.15E-06	3.49E-07	2.96E-06	5.86E-06
4,767	5.05E-07	4.11E-06	8.42E-06	4.39E-07	3.66E-06	7.30E-06	2.69E-07	2.26E-06	4.52E-06	3.47E-07	2.99E-06	5.97E-06	4.06E-07	3.31E-06	6.78E-06	4.27E-07	3.49E-06	7.15E-06	3.49E-07	2.96E-06	5.86E-06
4,768	5.05E-07	4.11E-06	8.41E-06	4.39E-07	3.66E-06	7.30E-06	2.69E-07	2.26E-06	4.52E-06	3.47E-07	2.99E-06	5.97E-06	4.06E-07	3.31E-06	6.78E-06	4.27E-07	3.49E-06	7.15E-06	3.49E-07	2.96E-06	5.86E-06
4,769	5.05E-07	4.11E-06	8.41E-06	4.39E-07	3.66E-06	7.30E-06	2.69E-07	2.26E-06	4.52E-06	3.47E-07	2.99E-06	5.97E-06	4.05E-07	3.31E-06	6.78E-06	4.27E-07	3.49E-06	7.15E-06	3.49E-07	2.96E-06	5.86E-06
4,770	5.04E-07	4.11E-06	8.41E-06	4.39E-07	3.66E-06	7.30E-06	2.69E-07	2.26E-06	4.52E-06	3.47E-07	2.99E-06	5.97E-06	4.05E-07	3.31E-06	6.78E-06	4.27E-07	3.49E-06	7.15E-06	3.49E-07	2.96E-06	5.85E-06
4,771	5.04E-07	4.11E-06	8.41E-06	4.39E-07	3.66E-06	7.30E-06	2.69E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.05E-07	3.31E-06	6.78E-06	4.27E-07	3.49E-06	7.14E-06	3.48E-07	2.95E-06	5.85E-06
4,772	5.04E-07	4.11E-06	8.40E-06	4.38E-07	3.66E-06	7.30E-06	2.69E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.05E-07	3.31E-06	6.77E-06	4.27E-07	3.49E-06	7.14E-06	3.48E-07	2.95E-06	5.85E-06
4,773	5.04E-07	4.10E-06	8.40E-06	4.38E-07	3.66E-06	7.30E-06	2.69E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.05E-07	3.31E-06	6.77E-06	4.27E-07	3.49E-06	7.13E-06	3.48E-07	2.95E-06	5.85E-06
4,774	5.04E-07	4.10E-06	8.40E-06	4.38E-07	3.66E-06	7.29E-06	2.69E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.04E-07	3.31E-06	6.77E-06	4.27E-07	3.49E-06	7.13E-06	3.48E-07	2.95E-06	5.85E-06
4,775	5.04E-07	4.10E-06	8.40E-06	4.38E-07	3.66E-06	7.29E-06	2.68E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.04E-07	3.31E-06	6.77E-06	4.26E-07	3.49E-06	7.13E-06	3.48E-07	2.95E-06	5.85E-06
4,776	5.04E-07	4.10E-06	8.39E-06	4.38E-07	3.66E-06	7.29E-06	2.68E-07	2.25E-06	4.51E-06	3.47E-07	2.99E-06	5.96E-06	4.04E-07	3.31E-06	6.77E-06	4.26E-07	3.48E-06	7.13E-06	3.48E-07	2.95E-06	5.85E-06
4,777	5.04E-07	4.10E-06	8.39E-06	4.38E-07	3.66E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.47E-07	2.98E-06	5.95E-06	4.04E-07	3.31E-06	6.77E-06	4.26E-07	3.48E-06	7.12E-06	3.47E-07	2.95E-06	5.85E-06
4,778	5.04E-07	4.10E-06	8.39E-06	4.38E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.77E-06	4.26E-07	3.48E-06	7.12E-06	3.47E-07	2.95E-06	5.84E-06
4,779	5.04E-07	4.10E-06	8.39E-06	4.38E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.76E-06	4.26E-07	3.48E-06	7.12E-06	3.47E-07	2.95E-06	5.84E-06
4,780	5.04E-07	4.10E-06	8.39E-06	4.38E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.76E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.95E-06	5.84E-06
4,781	5.04E-07	4.09E-06	8.39E-06	4.37E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.76E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.94E-06	5.84E-06
4,782	5.04E-07	4.09E-06	8.38E-06	4.37E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.76E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.94E-06	5.84E-06
4,783	5.04E-07	4.09E-06	8.38E-06	4.37E-07	3.65E-06	7.28E-06	2.68E-07	2.25E-06	4.51E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.76E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.94E-06	5.83E-06
4,784	5.04E-07	4.08E-06	8.38E-06	4.37E-07	3.65E-06	7.27E-06	2.68E-07	2.25E-06	4.50E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.31E-06	6.75E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.94E-06	5.83E-06
4,785	5.03E-07	4.08E-06	8.38E-06	4.37E-07	3.65E-06	7.27E-06	2.68E-07	2.25E-06	4.50E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.30E-06	6.75E-06	4.25E-07	3.48E-06	7.12E-06	3.47E-07	2.94E-06	5.83E-06
4,786	5.03E-07	4.08E-06	8.38E-06	4.37E-07	3.65E-06	7.27E-06	2.68E-07	2.25E-06	4.50E-06	3.46E-07	2.98E-06	5.95E-06	4.03E-07	3.30E-06	6.75E-06	4.25E-07	3.48E-06	7.11E-06	3.47E-07	2.94E-06	5.83E-06
4,787	5.03E-07	4.08E-06	8.38E-06	4.37E-07	3.64E-06	7.27E-06	2.68E-07	2.25E-06	4.50E-06	3.46E-07	2.98E-06	5.95E-06	4.02E-07	3.30E-06	6.75E-06	4.25E-07	3.48E-06	7.11E-06	3.47E-07	2.94E-06	5.82E-06
4,788	5.03E-07	4.08E-06	8.38E-06	4.36E-07	3.64E-06	7.27E-06	2.68E-07	2.25E-06	4.50E-06	3.46E-07	2.98E-06	5.94E-06	4.02E-07	3.30E-06	6.75E-06	4.24E-07	3.48E-06	7.11E-06	3.47E-07	2.94E-06	5.82E-06
4,789	5.03E-07	4.08E-06	8.38E-06	4.36E-07	3.64E-06	7.26E-06	2.67E-07	2.24E-06	4.50E-06	3.46E-07	2.97E-06	5.94E-06	4.02E-07	3.30E-06	6.75E-06	4.24E-07	3.48E-06	7.11E-06	3.47E-07	2.94E-06	5.82E-06
4,790	5.03E-07	4.08E-06	8.38E-06	4.36E-07	3.64E-06	7.26E-06	2.67E-07	2.24E-06	4.50E-06	3.46E-07	2.97E-06	5.94E-06	4.02E-07	3.30E-06	6.75E-06	4.24E-07	3.48E-06	7.11E-06	3.46E-07	2.94E-06	5.82E-06
4,791	5.03E-07	4.07E-06	8.37E-06	4.35E-07	3.64E-06	7.26E-06	2.67E-07	2.24E-06	4.50E-06	3.46E-07	2.97E-06	5.94E-06	4.02E-07	3.30E-06	6.74E-06	4.24E-07	3.48E-06	7.11E-06	3.46E-07	2.94E-06	5.82E-06
4,792	5.02E-07	4.07E-06	8.37E-06	4.35E-07	3.64E-06	7.26E-06	2.67E-07	2.24E-06	4.50E-06	3.46E-07	2.97E-06	5.93E-06	4.02E-07	3.30E-06	6.74E-06	4.24E-07	3.47E-06	7.11E-06	3.46E-07	2.94E-06	5.82E-06
4,793	5.02E-07	4.07E-06	8.37E-06	4.35E-07	3.64E-06	7.25E-06	2.67E-07	2.24E-06	4.49E-06	3.46E-07	2.97E-06	5.93E-06	4.02E-07	3.29E-06	6.74E-06	4.24E-07	3.47E-06	7.10E-06	3.46E-07	2.94E-06	5.81E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,814	4.99E-07	4.05E-06	8.32E-06	4.33E-07	3.61E-06	7.22E-06	2.65E-07	2.23E-06	4.47E-06	3.44E-07	2.96E-06	5.91E-06	4.00E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.06E-06	3.44E-07	2.91E-06	5.78E-06
4,815	4.99E-07	4.05E-06	8.31E-06	4.33E-07	3.61E-06	7.22E-06	2.65E-07	2.23E-06	4.47E-06	3.44E-07	2.96E-06	5.91E-06	3.99E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.05E-06	3.44E-07	2.91E-06	5.77E-06
4,816	4.99E-07	4.05E-06	8.31E-06	4.33E-07	3.61E-06	7.22E-06	2.65E-07	2.23E-06	4.47E-06	3.44E-07	2.96E-06	5.91E-06	3.99E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.05E-06	3.44E-07	2.91E-06	5.77E-06
4,817	4.99E-07	4.05E-06	8.31E-06	4.33E-07	3.61E-06	7.21E-06	2.65E-07	2.22E-06	4.47E-06	3.44E-07	2.96E-06	5.90E-06	3.99E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.04E-06	3.44E-07	2.91E-06	5.77E-06
4,818	4.99E-07	4.05E-06	8.31E-06	4.33E-07	3.61E-06	7.21E-06	2.65E-07	2.22E-06	4.46E-06	3.44E-07	2.96E-06	5.90E-06	3.99E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.04E-06	3.44E-07	2.91E-06	5.77E-06
4,819	4.98E-07	4.05E-06	8.31E-06	4.33E-07	3.60E-06	7.20E-06	2.65E-07	2.22E-06	4.46E-06	3.44E-07	2.95E-06	5.90E-06	3.99E-07	3.27E-06	6.70E-06	4.20E-07	3.46E-06	7.04E-06	3.44E-07	2.91E-06	5.77E-06
4,820	4.98E-07	4.05E-06	8.31E-06	4.33E-07	3.60E-06	7.20E-06	2.65E-07	2.22E-06	4.46E-06	3.43E-07	2.95E-06	5.90E-06	3.99E-07	3.27E-06	6.69E-06	4.20E-07	3.46E-06	7.04E-06	3.44E-07	2.91E-06	5.76E-06
4,821	4.98E-07	4.05E-06	8.30E-06	4.32E-07	3.60E-06	7.20E-06	2.65E-07	2.22E-06	4.46E-06	3.43E-07	2.95E-06	5.90E-06	3.99E-07	3.27E-06	6.69E-06	4.20E-07	3.46E-06	7.04E-06	3.44E-07	2.90E-06	5.76E-06
4,822	4.98E-07	4.05E-06	8.30E-06	4.32E-07	3.60E-06	7.19E-06	2.65E-07	2.22E-06	4.46E-06	3.43E-07	2.95E-06	5.90E-06	3.98E-07	3.27E-06	6.69E-06	4.20E-07	3.46E-06	7.03E-06	3.44E-07	2.90E-06	5.76E-06
4,823	4.98E-07	4.05E-06	8.30E-06	4.32E-07	3.60E-06	7.19E-06	2.65E-07	2.22E-06	4.46E-06	3.43E-07	2.95E-06	5.90E-06	3.98E-07	3.27E-06	6.69E-06	4.20E-07	3.46E-06	7.03E-06	3.44E-07	2.90E-06	5.76E-06
4,824	4.97E-07	4.05E-06	8.29E-06	4.32E-07	3.60E-06	7.19E-06	2.65E-07	2.22E-06	4.46E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.69E-06	4.20E-07	3.46E-06	7.02E-06	3.44E-07	2.90E-06	5.76E-06
4,825	4.97E-07	4.04E-06	8.29E-06	4.32E-07	3.60E-06	7.19E-06	2.65E-07	2.22E-06	4.45E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.69E-06	4.19E-07	3.45E-06	7.02E-06	3.44E-07	2.90E-06	5.76E-06
4,826	4.97E-07	4.04E-06	8.29E-06	4.31E-07	3.60E-06	7.19E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.68E-06	4.19E-07	3.45E-06	7.02E-06	3.43E-07	2.90E-06	5.76E-06
4,827	4.97E-07	4.04E-06	8.28E-06	4.31E-07	3.60E-06	7.19E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.68E-06	4.19E-07	3.45E-06	7.02E-06	3.43E-07	2.90E-06	5.76E-06
4,828	4.97E-07	4.04E-06	8.28E-06	4.31E-07	3.60E-06	7.18E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.68E-06	4.19E-07	3.45E-06	7.02E-06	3.43E-07	2.90E-06	5.76E-06
4,829	4.97E-07	4.04E-06	8.28E-06	4.31E-07	3.60E-06	7.18E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.95E-06	5.89E-06	3.98E-07	3.26E-06	6.68E-06	4.19E-07	3.45E-06	7.02E-06	3.43E-07	2.90E-06	5.75E-06
4,830	4.97E-07	4.04E-06	8.27E-06	4.31E-07	3.59E-06	7.18E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.94E-06	5.89E-06	3.98E-07	3.26E-06	6.67E-06	4.19E-07	3.45E-06	7.02E-06	3.43E-07	2.90E-06	5.75E-06
4,831	4.97E-07	4.03E-06	8.27E-06	4.30E-07	3.59E-06	7.18E-06	2.64E-07	2.22E-06	4.45E-06	3.43E-07	2.94E-06	5.89E-06	3.98E-07	3.25E-06	6.67E-06	4.18E-07	3.45E-06	7.01E-06	3.43E-07	2.90E-06	5.75E-06
4,832	4.97E-07	4.03E-06	8.27E-06	4.30E-07	3.59E-06	7.18E-06	2.64E-07	2.22E-06	4.45E-06	3.42E-07	2.94E-06	5.88E-06	3.98E-07	3.25E-06	6.67E-06	4.18E-07	3.45E-06	7.01E-06	3.43E-07	2.89E-06	5.75E-06
4,833	4.97E-07	4.03E-06	8.27E-06	4.30E-07	3.59E-06	7.17E-06	2.64E-07	2.22E-06	4.45E-06	3.42E-07	2.94E-06	5.88E-06	3.98E-07	3.25E-06	6.67E-06	4.18E-07	3.45E-06	7.01E-06	3.43E-07	2.89E-06	5.75E-06
4,834	4.97E-07	4.03E-06	8.26E-06	4.30E-07	3.59E-06	7.17E-06	2.64E-07	2.21E-06	4.44E-06	3.42E-07	2.94E-06	5.88E-06	3.97E-07	3.25E-06	6.66E-06	4.18E-07	3.45E-06	7.01E-06	3.42E-07	2.89E-06	5.75E-06
4,835	4.97E-07	4.03E-06	8.26E-06	4.30E-07	3.59E-06	7.17E-06	2.64E-07	2.21E-06	4.44E-06	3.42E-07	2.94E-06	5.88E-06	3.97E-07	3.25E-06	6.66E-06	4.18E-07	3.44E-06	7.01E-06	3.42E-07	2.89E-06	5.74E-06
4,836	4.97E-07	4.03E-06	8.26E-06	4.29E-07	3.59E-06	7.17E-06	2.64E-07	2.21E-06	4.44E-06	3.42E-07	2.94E-06	5.88E-06	3.97E-07	3.25E-06	6.66E-06	4.18E-07	3.44E-06	7.01E-06	3.42E-07	2.89E-06	5.74E-06
4,837	4.96E-07	4.03E-06	8.26E-06	4.29E-07	3.59E-06	7.17E-06	2.64E-07	2.21E-06	4.43E-06	3.42E-07	2.94E-06	5.88E-06	3.97E-07	3.25E-06	6.66E-06	4.18E-07	3.44E-06	7.01E-06	3.42E-07	2.89E-06	5.74E-06
4,838	4.96E-07	4.03E-06	8.25E-06	4.29E-07	3.59E-06	7.17E-06	2.64E-07	2.21E-06	4.43E-06	3.42E-07	2.94E-06	5.88E-06	3.97E-07	3.25E-06	6.66E-06	4.18E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.74E-06
4,839	4.96E-07	4.02E-06	8.25E-06	4.29E-07	3.59E-06	7.16E-06	2.64E-07	2.21E-06	4.43E-06	3.42E-07	2.93E-06	5.87E-06	3.97E-07	3.25E-06	6.65E-06	4.18E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.73E-06
4,840	4.96E-07	4.02E-06	8.25E-06	4.29E-07	3.59E-06	7.16E-06	2.64E-07	2.21E-06	4.43E-06	3.42E-07	2.93E-06	5.87E-06	3.96E-07	3.25E-06	6.65E-06	4.17E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.73E-06
4,841	4.96E-07	4.02E-06	8.24E-06	4.29E-07	3.58E-06	7.16E-06	2.64E-07	2.21E-06	4.43E-06	3.41E-07	2.93E-06	5.87E-06	3.96E-07	3.25E-06	6.65E-06	4.17E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.73E-06
4,842	4.96E-07	4.02E-06	8.24E-06	4.29E-07	3.58E-06	7.15E-06	2.63E-07	2.21E-06	4.43E-06	3.41E-07	2.93E-06	5.87E-06	3.96E-07	3.24E-06	6.65E-06	4.17E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.73E-06
4,843	4.96E-07	4.02E-06	8.24E-06	4.29E-07	3.58E-06	7.15E-06	2.63E-07	2.21E-06	4.43E-06	3.41E-07	2.93E-06	5.87E-06	3.96E-07	3.24E-06	6.65E-06	4.17E-07	3.44E-06	7.00E-06	3.42E-07	2.89E-06	5.73E-06
4,844	4.96E-07	4.02E-06	8.23E-06	4.29E-07	3.58E-06	7.15E-06	2.63E-07	2.21E-06	4.43E-06	3.41E-07	2.93E-06	5.87E-06	3.96E-07	3.24E-06	6.65E-06	4.17E-07	3.44E-06	7.00E-06	3.42E-07	2.88E-06	5.73E-06
4,845	4.96E-07	4.02E-06	8.23E-06	4.29E-07	3.58E-06	7.15E-06	2.63E-07	2.21E-06	4.43E-06	3.41E-07	2.93E-06	5.86E-06	3.96E-07	3.24E-06	6.65E-06	4.16E-07	3.44E-06	6.99E-06	3.42E-07	2.88E-06	5.72E-06
4,846	4.95E-07	4.02E-06	8.22E-06	4.28E-07	3.58E-06	7.15E-06	2.63E-07	2.20E-06	4.43E-06	3.41E-07	2.92E-06	5.86E-06	3.96E-07	3.24E-06	6.65E-06	4.16E-07	3.44E-06	6.99E-06	3.42E-07	2.88E-06	5.72E-06
4,847	4.95E-07	4.02E-06	8.22E-06	4.28E-07	3.58E-06	7.15E-06	2.63E-07	2.20E-06	4.43E-06	3.41E-07	2.92E-06	5.86E-06	3.96E-07	3.24E-06	6.65E-06	4.16E-07	3.44E-06	6.99E-06	3.41E-07	2.88E-06	5.72E-06
4,848	4.95E-07	4.02E-06	8.22E-06	4.28E-07	3.57E-06	7.15E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.86E-06	3.95E-07	3.24E-06	6.65E-06	4.16E-07	3.43E-06	6.98E-06	3.41E-07	2.88E-06	5.72E-06
4,849	4.95E-07	4.02E-06	8.22E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.86E-06	3.95E-07	3.24E-06	6.64E-06	4.16E-07	3.43E-06	6.98E-06	3.41E-07	2.88E-06	5.72E-06
4,850	4.95E-07	4.01E-06	8.22E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.64E-06	4.16E-07	3.43E-06	6.98E-06	3.41E-07	2.88E-06	5.72E-06
4,851	4.95E-07	4.01E-06	8.22E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.64E-06	4.16E-07	3.43E-06	6.98E-06	3.41E-07	2.88E-06	5.72E-06
4,852	4.95E-07	4.01E-06	8.22E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.63E-06	4.16E-07	3.43E-06	6.98E-06	3.41E-07	2.88E-06	5.72E-06
4,853	4.95E-07	4.01E-06	8.21E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.63E-06	4.16E-07	3.43E-06	6.97E-06	3.41E-07	2.87E-06	5.72E-06
4,854	4.95E-07	4.01E-06	8.21E-06	4.28E-07	3.57E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.41E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.63E-06	4.15E-07	3.43E-06	6.97E-06	3.41E-07	2.87E-06	5.71E-06
4,855	4.95E-07	4.01E-06	8.21E-06	4.28E-07	3.56E-06	7.14E-06	2.63E-07	2.20E-06	4.42E-06	3.40E-07	2.92E-06	5.85E-06	3.95E-07	3.23E-06	6.63E-06	4.15E-07	3.43E-06	6.97E-06	3.41E-07	2.87E-06	5.71E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,938	4.83E-07	3.91E-06	8.02E-06	4.17E-07	3.48E-06	7.00E-06	2.56E-07	2.15E-06	4.31E-06	3.33E-07	2.86E-06	5.73E-06	3.86E-07	3.14E-06	6.46E-06	4.07E-07	3.34E-06	6.84E-06	3.35E-07	2.80E-06	5.61E-06
4,939	4.83E-07	3.91E-06	8.02E-06	4.17E-07	3.48E-06	7.00E-06	2.56E-07	2.15E-06	4.31E-06	3.33E-07	2.86E-06	5.73E-06	3.86E-07	3.14E-06	6.46E-06	4.07E-07	3.34E-06	6.83E-06	3.35E-07	2.80E-06	5.60E-06
4,940	4.83E-07	3.91E-06	8.01E-06	4.17E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.33E-07	2.86E-06	5.73E-06	3.86E-07	3.14E-06	6.46E-06	4.07E-07	3.34E-06	6.83E-06	3.35E-07	2.80E-06	5.60E-06
4,941	4.83E-07	3.91E-06	8.01E-06	4.17E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.33E-07	2.86E-06	5.73E-06	3.86E-07	3.14E-06	6.46E-06	4.06E-07	3.34E-06	6.83E-06	3.35E-07	2.79E-06	5.60E-06
4,942	4.82E-07	3.91E-06	8.01E-06	4.16E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.33E-07	2.86E-06	5.73E-06	3.86E-07	3.14E-06	6.46E-06	4.06E-07	3.34E-06	6.83E-06	3.35E-07	2.79E-06	5.60E-06
4,943	4.82E-07	3.91E-06	8.01E-06	4.16E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.72E-06	3.86E-07	3.14E-06	6.46E-06	4.06E-07	3.34E-06	6.83E-06	3.35E-07	2.79E-06	5.60E-06
4,944	4.82E-07	3.91E-06	8.00E-06	4.16E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.72E-06	3.85E-07	3.14E-06	6.45E-06	4.06E-07	3.34E-06	6.83E-06	3.35E-07	2.79E-06	5.59E-06
4,945	4.82E-07	3.90E-06	8.00E-06	4.16E-07	3.48E-06	6.99E-06	2.56E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.72E-06	3.85E-07	3.13E-06	6.45E-06	4.06E-07	3.34E-06	6.82E-06	3.34E-07	2.79E-06	5.59E-06
4,946	4.81E-07	3.90E-06	7.99E-06	4.16E-07	3.48E-06	6.98E-06	2.56E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.72E-06	3.85E-07	3.13E-06	6.45E-06	4.06E-07	3.34E-06	6.82E-06	3.34E-07	2.79E-06	5.59E-06
4,947	4.81E-07	3.90E-06	7.99E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.71E-06	3.85E-07	3.13E-06	6.45E-06	4.06E-07	3.34E-06	6.82E-06	3.34E-07	2.79E-06	5.59E-06
4,948	4.81E-07	3.90E-06	7.99E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.71E-06	3.85E-07	3.13E-06	6.44E-06	4.06E-07	3.34E-06	6.82E-06	3.34E-07	2.78E-06	5.59E-06
4,949	4.81E-07	3.90E-06	7.98E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.15E-06	4.31E-06	3.32E-07	2.86E-06	5.71E-06	3.85E-07	3.13E-06	6.44E-06	4.06E-07	3.34E-06	6.82E-06	3.34E-07	2.78E-06	5.59E-06
4,950	4.80E-07	3.90E-06	7.98E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.15E-06	4.30E-06	3.32E-07	2.85E-06	5.71E-06	3.84E-07	3.13E-06	6.44E-06	4.06E-07	3.34E-06	6.81E-06	3.34E-07	2.78E-06	5.59E-06
4,951	4.80E-07	3.90E-06	7.98E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.15E-06	4.30E-06	3.32E-07	2.85E-06	5.71E-06	3.84E-07	3.13E-06	6.43E-06	4.06E-07	3.34E-06	6.81E-06	3.34E-07	2.78E-06	5.59E-06
4,952	4.80E-07	3.90E-06	7.98E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.14E-06	4.30E-06	3.32E-07	2.85E-06	5.71E-06	3.84E-07	3.13E-06	6.43E-06	4.06E-07	3.34E-06	6.81E-06	3.34E-07	2.78E-06	5.59E-06
4,953	4.80E-07	3.90E-06	7.98E-06	4.15E-07	3.47E-06	6.98E-06	2.55E-07	2.14E-06	4.30E-06	3.32E-07	2.85E-06	5.71E-06	3.84E-07	3.13E-06	6.43E-06	4.06E-07	3.34E-06	6.81E-06	3.34E-07	2.78E-06	5.58E-06
4,954	4.80E-07	3.90E-06	7.98E-06	4.14E-07	3.47E-06	6.98E-06	2.55E-07	2.14E-06	4.30E-06	3.32E-07	2.85E-06	5.70E-06	3.84E-07	3.13E-06	6.43E-06	4.06E-07	3.33E-06	6.81E-06	3.33E-07	2.78E-06	5.58E-06
4,955	4.80E-07	3.89E-06	7.98E-06	4.14E-07	3.47E-06	6.97E-06	2.55E-07	2.14E-06	4.30E-06	3.32E-07	2.85E-06	5.70E-06	3.84E-07	3.13E-06	6.43E-06	4.05E-07	3.33E-06	6.81E-06	3.33E-07	2.78E-06	5.58E-06
4,956	4.79E-07	3.89E-06	7.98E-06	4.14E-07	3.46E-06	6.97E-06	2.54E-07	2.14E-06	4.30E-06	3.31E-07	2.85E-06	5.70E-06	3.84E-07	3.13E-06	6.43E-06	4.05E-07	3.33E-06	6.81E-06	3.33E-07	2.78E-06	5.58E-06
4,957	4.79E-07	3.89E-06	7.98E-06	4.14E-07	3.46E-06	6.97E-06	2.54E-07	2.14E-06	4.29E-06	3.31E-07	2.85E-06	5.70E-06	3.84E-07	3.13E-06	6.43E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.78E-06	5.58E-06
4,958	4.79E-07	3.89E-06	7.97E-06	4.14E-07	3.46E-06	6.96E-06	2.54E-07	2.14E-06	4.29E-06	3.31E-07	2.85E-06	5.70E-06	3.84E-07	3.13E-06	6.43E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.78E-06	5.58E-06
4,959	4.79E-07	3.89E-06	7.97E-06	4.14E-07	3.46E-06	6.96E-06	2.54E-07	2.14E-06	4.29E-06	3.31E-07	2.84E-06	5.70E-06	3.83E-07	3.13E-06	6.42E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.78E-06	5.58E-06
4,960	4.79E-07	3.89E-06	7.97E-06	4.14E-07	3.46E-06	6.96E-06	2.54E-07	2.14E-06	4.29E-06	3.31E-07	2.84E-06	5.70E-06	3.83E-07	3.12E-06	6.42E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.78E-06	5.57E-06
4,961	4.79E-07	3.89E-06	7.96E-06	4.14E-07	3.46E-06	6.96E-06	2.54E-07	2.13E-06	4.29E-06	3.31E-07	2.84E-06	5.69E-06	3.83E-07	3.12E-06	6.42E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.77E-06	5.57E-06
4,962	4.79E-07	3.89E-06	7.96E-06	4.13E-07	3.46E-06	6.96E-06	2.54E-07	2.13E-06	4.29E-06	3.31E-07	2.84E-06	5.69E-06	3.83E-07	3.12E-06	6.42E-06	4.05E-07	3.33E-06	6.80E-06	3.33E-07	2.77E-06	5.57E-06
4,963	4.79E-07	3.89E-06	7.96E-06	4.13E-07	3.46E-06	6.96E-06	2.54E-07	2.13E-06	4.29E-06	3.31E-07	2.84E-06	5.69E-06	3.83E-07	3.12E-06	6.42E-06	4.05E-07	3.32E-06	6.79E-06	3.33E-07	2.77E-06	5.57E-06
4,964	4.78E-07	3.89E-06	7.95E-06	4.13E-07	3.46E-06	6.96E-06	2.54E-07	2.13E-06	4.29E-06	3.31E-07	2.84E-06	5.69E-06	3.83E-07	3.12E-06	6.41E-06	4.05E-07	3.32E-06	6.79E-06	3.33E-07	2.77E-06	5.57E-06
4,965	4.78E-07	3.89E-06	7.95E-06	4.13E-07	3.46E-06	6.95E-06	2.54E-07	2.13E-06	4.29E-06	3.31E-07	2.84E-06	5.69E-06	3.82E-07	3.12E-06	6.41E-06	4.05E-07	3.32E-06	6.79E-06	3.33E-07	2.77E-06	5.57E-06
4,966	4.78E-07	3.89E-06	7.94E-06	4.13E-07	3.46E-06	6.95E-06	2.54E-07	2.13E-06	4.29E-06	3.30E-07	2.84E-06	5.68E-06	3.82E-07	3.12E-06	6.41E-06	4.05E-07	3.32E-06	6.79E-06	3.32E-07	2.77E-06	5.56E-06
4,967	4.78E-07	3.89E-06	7.93E-06	4.13E-07	3.46E-06	6.95E-06	2.54E-07	2.13E-06	4.28E-06	3.30E-07	2.84E-06	5.68E-06	3.82E-07	3.12E-06	6.41E-06	4.04E-07	3.32E-06	6.79E-06	3.32E-07	2.77E-06	5.56E-06
4,968	4.78E-07	3.89E-06	7.93E-06	4.12E-07	3.45E-06	6.95E-06	2.54E-07	2.13E-06	4.28E-06	3.30E-07	2.84E-06	5.68E-06	3.82E-07	3.12E-06	6.41E-06	4.04E-07	3.32E-06	6.79E-06	3.32E-07	2.77E-06	5.56E-06
4,969	4.78E-07	3.89E-06	7.93E-06	4.12E-07	3.45E-06	6.95E-06	2.54E-07	2.13E-06	4.28E-06	3.30E-07	2.83E-06	5.68E-06	3.82E-07	3.12E-06	6.40E-06	4.04E-07	3.32E-06	6.78E-06	3.32E-07	2.77E-06	5.55E-06
4,970	4.78E-07	3.88E-06	7.93E-06	4.12E-07	3.45E-06	6.94E-06	2.54E-07	2.13E-06	4.28E-06	3.30E-07	2.83E-06	5.68E-06	3.81E-07	3.12E-06	6.40E-06	4.04E-07	3.32E-06	6.78E-06	3.32E-07	2.77E-06	5.55E-06
4,971	4.78E-07	3.88E-06	7.93E-06	4.12E-07	3.45E-06	6.94E-06	2.54E-07	2.13E-06	4.28E-06	3.30E-07	2.83E-06	5.68E-06	3.81E-07	3.12E-06	6.40E-06	4.04E-07	3.32E-06	6.78E-06	3.32E-07	2.77E-06	5.55E-06
4,972	4.77E-07	3.88E-06	7.92E-06	4.12E-07	3.45E-06	6.94E-06	2.54E-07	2.13E-06	4.28E-06	3.29E-07	2.83E-06	5.67E-06	3.81E-07	3.12E-06	6.40E-06	4.04E-07	3.31E-06	6.77E-06	3.32E-07	2.77E-06	5.55E-06
4,973	4.77E-07	3.88E-06	7.92E-06	4.12E-07	3.45E-06	6.93E-06	2.54E-07	2.13E-06	4.28E-06	3.29E-07	2.83E-06	5.67E-06	3.81E-07	3.12E-06	6.40E-06	4.04E-07	3.31E-06	6.77E-06	3.31E-07	2.77E-06	5.55E-06
4,974	4.77E-07	3.88E-06	7.92E-06	4.12E-07	3.44E-06	6.93E-06	2.53E-07	2.13E-06	4.28E-06	3.29E-07	2.83E-06	5.67E-06	3.81E-07	3.12E-06	6.39E-06	4.04E-07	3.31E-06	6.77E-06	3.31E-07	2.77E-06	5.55E-06
4,975	4.77E-07	3.88E-06	7.92E-06	4.12E-07	3.44E-06	6.93E-06	2.53E-07	2.13E-06	4.27E-06	3.29E-07	2.83E-06	5.67E-06	3.81E-07	3.12E-06	6.39E-06	4.03E-07	3.31E-06	6.77E-06	3.31E-07	2.77E-06	5.55E-06
4,976	4.77E-07	3.88E-06	7.92E-06	4.12E-07	3.44E-06	6.93E-06	2.53E-07	2.13E-06	4.27E-06	3.29E-07	2.83E-06	5.66E-06	3.81E-07	3.11E-06	6.39E-06	4.03E-07	3.31E-06	6.77E-06	3.31E-07	2.77E-06	5.55E-06
4,977	4.76E-07	3.88E-06	7.91E-06	4.12E-07	3.44E-06	6.93E-06	2.53E-07	2.13E-06	4.27E-06	3.29E-07	2.83E-06	5.66E-06	3.81E-07	3.11E-06	6.39E-06	4.03E-07	3.31E-06	6.77E-06	3.31E-07	2.76E-06	5.55E-06
4,978	4.76E-07	3.87E-06	7.91E-06	4.12E-07	3.44E-06	6.92E-06	2.53E-07	2.13E-06	4.27E-06	3.29E-07	2.83E-06	5.66E-06	3.81E-07	3.11E-06	6.39E-06	4.03E-07	3.31E-06	6.76E-06	3.31E-07	2.76E-06	5.55E-06
4,979	4.76E-07	3.87E-06	7.91E-06	4.11E-07	3.44E-06	6.92E-06	2.53E-07	2.13E-06	4.27E-06	3.29E-07	2.83E-06	5.66E-06	3.81E-07	3.11E-06	6.38E-06	4.02E-07	3.31E-06	6.76E-06	3.31E-07	2.76E-06	5.55E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,286	1.70E-07	1.38E-06	3.00E-06	1.41E-07	1.15E-06	2.53E-06	8.73E-08	7.08E-07	1.54E-06	1.11E-07	9.27E-07	2.03E-06	1.30E-07	1.07E-06	2.34E-06	1.43E-07	1.13E-06	2.51E-06	1.11E-07	9.31E-07	2.02E-06
8,287	1.70E-07	1.38E-06	3.00E-06	1.41E-07	1.14E-06	2.52E-06	8.71E-08	7.08E-07	1.54E-06	1.11E-07	9.27E-07	2.02E-06	1.30E-07	1.07E-06	2.34E-06	1.43E-07	1.13E-06	2.51E-06	1.11E-07	9.30E-07	2.02E-06
8,288	1.70E-07	1.38E-06	2.99E-06	1.41E-07	1.14E-06	2.52E-06	8.71E-08	7.07E-07	1.54E-06	1.11E-07	9.26E-07	2.02E-06	1.30E-07	1.07E-06	2.34E-06	1.43E-07	1.13E-06	2.51E-06	1.11E-07	9.30E-07	2.02E-06
8,289	1.70E-07	1.38E-06	2.99E-06	1.41E-07	1.14E-06	2.52E-06	8.71E-08	7.07E-07	1.54E-06	1.11E-07	9.26E-07	2.02E-06	1.30E-07	1.06E-06	2.33E-06	1.43E-07	1.13E-06	2.51E-06	1.11E-07	9.30E-07	2.02E-06
8,290	1.70E-07	1.38E-06	2.99E-06	1.40E-07	1.14E-06	2.52E-06	8.71E-08	7.06E-07	1.54E-06	1.11E-07	9.26E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.51E-06	1.11E-07	9.30E-07	2.01E-06
8,291	1.70E-07	1.38E-06	2.99E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.06E-07	1.53E-06	1.11E-07	9.25E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.29E-07	2.01E-06
8,292	1.70E-07	1.38E-06	2.99E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.05E-07	1.53E-06	1.11E-07	9.25E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.29E-07	2.01E-06
8,293	1.70E-07	1.38E-06	2.99E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.05E-07	1.53E-06	1.11E-07	9.25E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.29E-07	2.01E-06
8,294	1.70E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.03E-07	1.53E-06	1.11E-07	9.24E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.28E-07	2.01E-06
8,295	1.70E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.03E-07	1.53E-06	1.11E-07	9.24E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.28E-07	2.01E-06
8,296	1.70E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.52E-06	8.70E-08	7.03E-07	1.53E-06	1.11E-07	9.23E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.13E-06	2.50E-06	1.11E-07	9.28E-07	2.01E-06
8,297	1.70E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.52E-06	8.69E-08	7.03E-07	1.53E-06	1.10E-07	9.23E-07	2.02E-06	1.29E-07	1.06E-06	2.33E-06	1.42E-07	1.12E-06	2.50E-06	1.11E-07	9.27E-07	2.01E-06
8,298	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.68E-08	7.03E-07	1.53E-06	1.10E-07	9.23E-07	2.02E-06	1.29E-07	1.06E-06	2.32E-06	1.42E-07	1.12E-06	2.50E-06	1.11E-07	9.27E-07	2.00E-06
8,299	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.67E-08	7.03E-07	1.53E-06	1.10E-07	9.23E-07	2.02E-06	1.29E-07	1.06E-06	2.32E-06	1.42E-07	1.12E-06	2.50E-06	1.11E-07	9.27E-07	2.00E-06
8,300	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.67E-08	7.02E-07	1.53E-06	1.10E-07	9.23E-07	2.02E-06	1.29E-07	1.06E-06	2.32E-06	1.42E-07	1.12E-06	2.50E-06	1.11E-07	9.26E-07	2.00E-06
8,301	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.67E-08	7.01E-07	1.53E-06	1.10E-07	9.22E-07	2.02E-06	1.29E-07	1.06E-06	2.32E-06	1.42E-07	1.12E-06	2.50E-06	1.11E-07	9.26E-07	2.00E-06
8,302	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.67E-08	7.01E-07	1.53E-06	1.10E-07	9.22E-07	2.02E-06	1.29E-07	1.06E-06	2.32E-06	1.41E-07	1.12E-06	2.50E-06	1.11E-07	9.25E-07	2.00E-06
8,303	1.69E-07	1.38E-06	2.98E-06	1.40E-07	1.14E-06	2.51E-06	8.66E-08	7.01E-07	1.53E-06	1.10E-07	9.22E-07	2.01E-06	1.29E-07	1.06E-06	2.32E-06	1.41E-07	1.12E-06	2.50E-06	1.11E-07	9.25E-07	2.00E-06
8,304	1.69E-07	1.38E-06	2.97E-06	1.39E-07	1.14E-06	2.51E-06	8.66E-08	7.01E-07	1.53E-06	1.10E-07	9.22E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.12E-06	2.50E-06	1.11E-07	9.25E-07	2.00E-06
8,305	1.69E-07	1.38E-06	2.97E-06	1.39E-07	1.14E-06	2.51E-06	8.66E-08	7.01E-07	1.53E-06	1.10E-07	9.21E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.12E-06	2.49E-06	1.11E-07	9.24E-07	2.00E-06
8,306	1.69E-07	1.37E-06	2.97E-06	1.39E-07	1.13E-06	2.51E-06	8.66E-08	7.00E-07	1.53E-06	1.10E-07	9.21E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.12E-06	2.49E-06	1.11E-07	9.24E-07	1.99E-06
8,307	1.69E-07	1.37E-06	2.97E-06	1.39E-07	1.13E-06	2.51E-06	8.65E-08	6.99E-07	1.53E-06	1.10E-07	9.21E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.12E-06	2.49E-06	1.11E-07	9.24E-07	1.99E-06
8,308	1.69E-07	1.37E-06	2.97E-06	1.39E-07	1.13E-06	2.51E-06	8.65E-08	6.99E-07	1.53E-06	1.10E-07	9.21E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.11E-06	2.49E-06	1.11E-07	9.24E-07	1.99E-06
8,309	1.69E-07	1.37E-06	2.97E-06	1.39E-07	1.13E-06	2.51E-06	8.64E-08	6.99E-07	1.52E-06	1.10E-07	9.20E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.11E-06	2.49E-06	1.11E-07	9.23E-07	1.99E-06
8,310	1.69E-07	1.37E-06	2.97E-06	1.39E-07	1.13E-06	2.50E-06	8.64E-08	6.98E-07	1.52E-06	1.10E-07	9.20E-07	2.01E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.11E-06	2.49E-06	1.11E-07	9.23E-07	1.99E-06
8,311	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.64E-08	6.98E-07	1.52E-06	1.10E-07	9.20E-07	2.00E-06	1.29E-07	1.06E-06	2.31E-06	1.41E-07	1.11E-06	2.49E-06	1.11E-07	9.23E-07	1.99E-06
8,312	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.63E-08	6.98E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.41E-07	1.11E-06	2.49E-06	1.11E-07	9.23E-07	1.99E-06
8,313	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.63E-08	6.98E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.41E-07	1.11E-06	2.48E-06	1.10E-07	9.23E-07	1.99E-06
8,314	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.63E-08	6.98E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.41E-07	1.11E-06	2.48E-06	1.10E-07	9.22E-07	1.99E-06
8,315	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.63E-08	6.97E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.22E-07	1.98E-06
8,316	1.68E-07	1.37E-06	2.96E-06	1.39E-07	1.13E-06	2.50E-06	8.62E-08	6.97E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.22E-07	1.98E-06
8,317	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.13E-06	2.50E-06	8.62E-08	6.97E-07	1.52E-06	1.10E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.22E-07	1.98E-06
8,318	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.13E-06	2.50E-06	8.61E-08	6.97E-07	1.52E-06	1.09E-07	9.19E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.21E-07	1.98E-06
8,319	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.12E-06	2.50E-06	8.61E-08	6.97E-07	1.52E-06	1.09E-07	9.18E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.19E-07	1.98E-06
8,320	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.12E-06	2.50E-06	8.61E-08	6.96E-07	1.52E-06	1.09E-07	9.18E-07	2.00E-06	1.28E-07	1.05E-06	2.31E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.19E-07	1.98E-06
8,321	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.12E-06	2.50E-06	8.60E-08	6.96E-07	1.52E-06	1.09E-07	9.18E-07	2.00E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.19E-07	1.98E-06
8,322	1.68E-07	1.37E-06	2.96E-06	1.38E-07	1.12E-06	2.50E-06	8.60E-08	6.96E-07	1.52E-06	1.09E-07	9.18E-07	2.00E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.19E-07	1.98E-06
8,323	1.68E-07	1.37E-06	2.95E-06	1.38E-07	1.12E-06	2.50E-06	8.59E-08	6.95E-07	1.51E-06	1.09E-07	9.18E-07	1.99E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.18E-07	1.97E-06
8,324	1.68E-07	1.36E-06	2.95E-06	1.38E-07	1.12E-06	2.50E-06	8.58E-08	6.95E-07	1.51E-06	1.09E-07	9.17E-07	1.99E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.48E-06	1.10E-07	9.17E-07	1.97E-06
8,325	1.68E-07	1.36E-06	2.95E-06	1.38E-07	1.12E-06	2.50E-06	8.57E-08	6.94E-07	1.51E-06	1.09E-07	9.16E-07	1.99E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.47E-06	1.10E-07	9.17E-07	1.97E-06
8,326	1.68E-07	1.36E-06	2.95E-06	1.38E-07	1.12E-06	2.49E-06	8.57E-08	6.94E-07	1.51E-06	1.09E-07	9.14E-07	1.99E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.11E-06	2.47E-06	1.10E-07	9.16E-07	1.97E-06
8,327	1.67E-07	1.36E-06	2.95E-06	1.38E-07	1.12E-06	2.49E-06	8.57E-08	6.94E-07	1.51E-06	1.09E-07	9.14E-07	1.99E-06	1.28E-07	1.05E-06	2.30E-06	1.40E-07	1.10E-06	2.47E-06	1.10E-07	9.15E-07	1.97E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,348	1.66E-07	1.35E-06	2.93E-06	1.37E-07	1.11E-06	2.47E-06	8.50E-08	6.88E-07	1.50E-06	1.08E-07	9.05E-07	1.97E-06	1.27E-07	1.04E-06	2.27E-06	1.39E-07	1.10E-06	2.44E-06	1.09E-07	9.05E-07	1.95E-06
8,349	1.66E-07	1.35E-06	2.93E-06	1.37E-07	1.11E-06	2.47E-06	8.50E-08	6.88E-07	1.50E-06	1.08E-07	9.05E-07	1.97E-06	1.26E-07	1.04E-06	2.27E-06	1.38E-07	1.10E-06	2.44E-06	1.08E-07	9.04E-07	1.95E-06
8,350	1.66E-07	1.35E-06	2.92E-06	1.37E-07	1.11E-06	2.47E-06	8.50E-08	6.88E-07	1.50E-06	1.08E-07	9.05E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.10E-06	2.44E-06	1.08E-07	9.04E-07	1.95E-06
8,351	1.66E-07	1.35E-06	2.92E-06	1.37E-07	1.11E-06	2.46E-06	8.50E-08	6.88E-07	1.50E-06	1.08E-07	9.04E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.10E-06	2.44E-06	1.08E-07	9.04E-07	1.95E-06
8,352	1.66E-07	1.35E-06	2.92E-06	1.37E-07	1.11E-06	2.46E-06	8.50E-08	6.88E-07	1.50E-06	1.08E-07	9.03E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.10E-06	2.44E-06	1.08E-07	9.03E-07	1.95E-06
8,353	1.66E-07	1.35E-06	2.92E-06	1.37E-07	1.11E-06	2.46E-06	8.49E-08	6.88E-07	1.50E-06	1.08E-07	9.03E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	9.02E-07	1.95E-06
8,354	1.66E-07	1.35E-06	2.92E-06	1.37E-07	1.11E-06	2.45E-06	8.49E-08	6.88E-07	1.50E-06	1.08E-07	9.03E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	9.02E-07	1.95E-06
8,355	1.66E-07	1.35E-06	2.92E-06	1.36E-07	1.11E-06	2.45E-06	8.49E-08	6.87E-07	1.49E-06	1.08E-07	9.02E-07	1.97E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	9.01E-07	1.95E-06
8,356	1.66E-07	1.34E-06	2.92E-06	1.36E-07	1.11E-06	2.45E-06	8.49E-08	6.87E-07	1.49E-06	1.08E-07	9.02E-07	1.96E-06	1.26E-07	1.03E-06	2.27E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	9.00E-07	1.95E-06
8,357	1.66E-07	1.34E-06	2.92E-06	1.36E-07	1.11E-06	2.45E-06	8.49E-08	6.87E-07	1.49E-06	1.08E-07	9.01E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	9.00E-07	1.94E-06
8,358	1.66E-07	1.34E-06	2.92E-06	1.36E-07	1.11E-06	2.45E-06	8.48E-08	6.87E-07	1.49E-06	1.08E-07	9.01E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	8.99E-07	1.94E-06
8,359	1.65E-07	1.34E-06	2.92E-06	1.36E-07	1.11E-06	2.45E-06	8.48E-08	6.86E-07	1.49E-06	1.08E-07	9.01E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.38E-07	1.09E-06	2.43E-06	1.08E-07	8.97E-07	1.94E-06
8,360	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.45E-06	8.47E-08	6.86E-07	1.49E-06	1.08E-07	9.01E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.37E-07	1.09E-06	2.43E-06	1.08E-07	8.97E-07	1.94E-06
8,361	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.45E-06	8.47E-08	6.85E-07	1.49E-06	1.08E-07	9.01E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.37E-07	1.09E-06	2.43E-06	1.08E-07	8.97E-07	1.94E-06
8,362	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.45E-06	8.47E-08	6.85E-07	1.49E-06	1.08E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.37E-07	1.09E-06	2.43E-06	1.08E-07	8.96E-07	1.94E-06
8,363	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.45E-06	8.44E-08	6.85E-07	1.49E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.37E-07	1.09E-06	2.43E-06	1.08E-07	8.96E-07	1.94E-06
8,364	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.44E-06	8.44E-08	6.84E-07	1.49E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.26E-06	1.37E-07	1.09E-06	2.43E-06	1.08E-07	8.94E-07	1.94E-06
8,365	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.44E-06	8.44E-08	6.84E-07	1.49E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.25E-06	1.37E-07	1.09E-06	2.42E-06	1.08E-07	8.94E-07	1.94E-06
8,366	1.65E-07	1.34E-06	2.91E-06	1.36E-07	1.11E-06	2.44E-06	8.43E-08	6.84E-07	1.48E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.25E-06	1.37E-07	1.09E-06	2.42E-06	1.08E-07	8.94E-07	1.94E-06
8,367	1.65E-07	1.34E-06	2.90E-06	1.36E-07	1.10E-06	2.44E-06	8.43E-08	6.83E-07	1.48E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.25E-06	1.37E-07	1.09E-06	2.42E-06	1.08E-07	8.94E-07	1.93E-06
8,368	1.65E-07	1.34E-06	2.90E-06	1.36E-07	1.10E-06	2.44E-06	8.43E-08	6.82E-07	1.48E-06	1.07E-07	8.98E-07	1.96E-06	1.26E-07	1.03E-06	2.25E-06	1.37E-07	1.09E-06	2.42E-06	1.08E-07	8.93E-07	1.93E-06
8,369	1.65E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.44E-06	8.42E-08	6.82E-07	1.48E-06	1.07E-07	8.98E-07	1.96E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.08E-07	8.92E-07	1.93E-06
8,370	1.65E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.44E-06	8.42E-08	6.81E-07	1.48E-06	1.07E-07	8.98E-07	1.95E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.92E-07	1.93E-06
8,371	1.65E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.44E-06	8.42E-08	6.80E-07	1.48E-06	1.07E-07	8.98E-07	1.95E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.92E-07	1.93E-06
8,372	1.65E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.44E-06	8.42E-08	6.80E-07	1.48E-06	1.07E-07	8.97E-07	1.95E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.92E-07	1.93E-06
8,373	1.65E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.41E-08	6.80E-07	1.48E-06	1.07E-07	8.97E-07	1.95E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.91E-07	1.93E-06
8,374	1.64E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.40E-08	6.79E-07	1.48E-06	1.07E-07	8.97E-07	1.95E-06	1.25E-07	1.03E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.91E-07	1.93E-06
8,375	1.64E-07	1.34E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.40E-08	6.79E-07	1.48E-06	1.07E-07	8.96E-07	1.95E-06	1.25E-07	1.02E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.91E-07	1.93E-06
8,376	1.64E-07	1.33E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.39E-08	6.78E-07	1.48E-06	1.07E-07	8.96E-07	1.95E-06	1.25E-07	1.02E-06	2.25E-06	1.37E-07	1.08E-06	2.42E-06	1.07E-07	8.90E-07	1.93E-06
8,377	1.64E-07	1.33E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.39E-08	6.78E-07	1.48E-06	1.07E-07	8.95E-07	1.95E-06	1.25E-07	1.02E-06	2.25E-06	1.36E-07	1.08E-06	2.42E-06	1.07E-07	8.90E-07	1.92E-06
8,378	1.64E-07	1.33E-06	2.90E-06	1.35E-07	1.10E-06	2.43E-06	8.38E-08	6.78E-07	1.48E-06	1.07E-07	8.95E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.90E-07	1.92E-06
8,379	1.64E-07	1.33E-06	2.89E-06	1.35E-07	1.10E-06	2.43E-06	8.38E-08	6.77E-07	1.48E-06	1.07E-07	8.95E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.90E-07	1.92E-06
8,380	1.64E-07	1.33E-06	2.89E-06	1.35E-07	1.10E-06	2.43E-06	8.38E-08	6.77E-07	1.48E-06	1.07E-07	8.95E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.90E-07	1.92E-06
8,381	1.64E-07	1.33E-06	2.89E-06	1.35E-07	1.10E-06	2.43E-06	8.37E-08	6.76E-07	1.48E-06	1.07E-07	8.94E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.89E-07	1.92E-06
8,382	1.64E-07	1.33E-06	2.89E-06	1.35E-07	1.10E-06	2.43E-06	8.37E-08	6.76E-07	1.48E-06	1.07E-07	8.93E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.88E-07	1.92E-06
8,383	1.64E-07	1.33E-06	2.89E-06	1.34E-07	1.10E-06	2.43E-06	8.36E-08	6.76E-07	1.48E-06	1.07E-07	8.93E-07	1.94E-06	1.25E-07	1.02E-06	2.24E-06	1.36E-07	1.08E-06	2.41E-06	1.07E-07	8.87E-07	1.92E-06
8,384	1.63E-07	1.33E-06	2.89E-06	1.34E-07	1.09E-06	2.43E-06	8.36E-08	6.75E-07	1.48E-06	1.07E-07	8.92E-07	1.94E-06	1.24E-07	1.02E-06	2.24E-06	1.35E-07	1.08E-06	2.41E-06	1.07E-07	8.86E-07	1.92E-06
8,385	1.63E-07	1.33E-06	2.89E-06	1.34E-07	1.09E-06	2.43E-06	8.36E-08	6.75E-07	1.48E-06	1.06E-07	8.92E-07	1.94E-06	1.24E-07	1.02E-06	2.24E-06	1.35E-07	1.08E-06	2.41E-06	1.07E-07	8.86E-07	1.92E-06
8,386	1.63E-07	1.33E-06	2.89E-06	1.34E-07	1.09E-06	2.43E-06	8.36E-08	6.75E-07	1.47E-06	1.06E-07	8.92E-07	1.94E-06	1.24E-07	1.02E-06	2.24E-06	1.35E-07	1.08E-06	2.40E-06	1.07E-07	8.86E-07	1.92E-06
8,387	1.63E-07	1.33E-06	2.89E-06	1.34E-07	1.09E-06	2.43E-06	8.35E-08	6.75E-07	1.47E-06	1.06E-07	8.91E-07	1.94E-06	1.24E-07	1.02E-06	2.24E-06	1.35E-07	1.08E-06	2.40E-06	1.07E-07	8.85E-07	1.92E-06
8,388	1.63E-07	1.33E-06	2.88E-06	1.34E-07	1.09E-06	2.43E-06	8.35E-08	6.75E-07	1.47E-06	1.06E-07	8.90E-07	1.94E-06	1.24E-07	1.02E-06	2.24E-06	1.35E-07	1.08E-06	2.40E-06	1.07E-07	8.85E-07	1.92E-06
8,389	1.63E-07	1.33E-06	2.88E-06	1.34E-07	1.09E-06	2.43E-06	8.35E-08	6.75E-07	1.47E-06	1.06E-07	8.89E-07	1.94E-06	1.24E-07	1.02E-06	2.23E-06	1.35E-07	1.08E-06	2.40E-06	1.07E-07	8.85E-07	1.91E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,534	1.54E-07	1.25E-06	2.72E-06	1.25E-07	1.02E-06	2.27E-06	7.85E-08	6.35E-07	1.37E-06	1.01E-07	8.31E-07	1.81E-06	1.16E-07	9.47E-07	2.09E-06	1.27E-07	9.98E-07	2.25E-06	9.98E-08	8.18E-07	1.80E-06
8,535	1.54E-07	1.25E-06	2.72E-06	1.25E-07	1.02E-06	2.27E-06	7.84E-08	6.35E-07	1.37E-06	1.01E-07	8.30E-07	1.81E-06	1.16E-07	9.46E-07	2.08E-06	1.27E-07	9.98E-07	2.25E-06	9.97E-08	8.18E-07	1.80E-06
8,536	1.54E-07	1.25E-06	2.72E-06	1.25E-07	1.02E-06	2.27E-06	7.84E-08	6.35E-07	1.37E-06	1.01E-07	8.30E-07	1.81E-06	1.16E-07	9.46E-07	2.08E-06	1.27E-07	9.97E-07	2.25E-06	9.97E-08	8.18E-07	1.80E-06
8,537	1.54E-07	1.25E-06	2.72E-06	1.25E-07	1.02E-06	2.27E-06	7.84E-08	6.34E-07	1.37E-06	1.01E-07	8.30E-07	1.81E-06	1.16E-07	9.45E-07	2.08E-06	1.27E-07	9.97E-07	2.25E-06	9.96E-08	8.18E-07	1.80E-06
8,538	1.54E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.83E-08	6.34E-07	1.37E-06	1.01E-07	8.29E-07	1.81E-06	1.16E-07	9.45E-07	2.08E-06	1.27E-07	9.96E-07	2.25E-06	9.96E-08	8.17E-07	1.80E-06
8,539	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.82E-08	6.34E-07	1.37E-06	1.00E-07	8.29E-07	1.81E-06	1.16E-07	9.45E-07	2.08E-06	1.27E-07	9.96E-07	2.25E-06	9.95E-08	8.17E-07	1.80E-06
8,540	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.82E-08	6.34E-07	1.36E-06	1.00E-07	8.28E-07	1.81E-06	1.16E-07	9.44E-07	2.08E-06	1.27E-07	9.95E-07	2.25E-06	9.95E-08	8.16E-07	1.79E-06
8,541	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.81E-08	6.34E-07	1.36E-06	1.00E-07	8.27E-07	1.81E-06	1.16E-07	9.44E-07	2.08E-06	1.26E-07	9.94E-07	2.25E-06	9.95E-08	8.16E-07	1.79E-06
8,542	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.81E-08	6.34E-07	1.36E-06	1.00E-07	8.27E-07	1.81E-06	1.15E-07	9.44E-07	2.08E-06	1.26E-07	9.94E-07	2.25E-06	9.95E-08	8.16E-07	1.79E-06
8,543	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.81E-08	6.33E-07	1.36E-06	1.00E-07	8.27E-07	1.80E-06	1.15E-07	9.43E-07	2.08E-06	1.26E-07	9.94E-07	2.25E-06	9.95E-08	8.14E-07	1.79E-06
8,544	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.81E-08	6.33E-07	1.36E-06	9.99E-08	8.27E-07	1.80E-06	1.15E-07	9.42E-07	2.08E-06	1.26E-07	9.93E-07	2.25E-06	9.93E-08	8.14E-07	1.79E-06
8,545	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.80E-08	6.33E-07	1.36E-06	9.99E-08	8.27E-07	1.80E-06	1.15E-07	9.42E-07	2.08E-06	1.26E-07	9.93E-07	2.24E-06	9.93E-08	8.12E-07	1.79E-06
8,546	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.80E-08	6.33E-07	1.36E-06	9.99E-08	8.27E-07	1.80E-06	1.15E-07	9.42E-07	2.07E-06	1.26E-07	9.92E-07	2.24E-06	9.93E-08	8.12E-07	1.79E-06
8,547	1.53E-07	1.25E-06	2.71E-06	1.25E-07	1.02E-06	2.26E-06	7.79E-08	6.31E-07	1.36E-06	9.98E-08	8.26E-07	1.80E-06	1.15E-07	9.41E-07	2.07E-06	1.26E-07	9.91E-07	2.24E-06	9.93E-08	8.12E-07	1.79E-06
8,548	1.53E-07	1.25E-06	2.70E-06	1.25E-07	1.02E-06	2.25E-06	7.79E-08	6.31E-07	1.36E-06	9.98E-08	8.26E-07	1.80E-06	1.15E-07	9.40E-07	2.07E-06	1.26E-07	9.91E-07	2.24E-06	9.92E-08	8.12E-07	1.79E-06
8,549	1.53E-07	1.25E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.79E-08	6.30E-07	1.36E-06	9.97E-08	8.25E-07	1.80E-06	1.15E-07	9.40E-07	2.07E-06	1.26E-07	9.90E-07	2.24E-06	9.92E-08	8.11E-07	1.79E-06
8,550	1.53E-07	1.25E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.78E-08	6.30E-07	1.36E-06	9.97E-08	8.23E-07	1.80E-06	1.15E-07	9.40E-07	2.07E-06	1.26E-07	9.87E-07	2.24E-06	9.90E-08	8.11E-07	1.79E-06
8,551	1.53E-07	1.24E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.78E-08	6.30E-07	1.36E-06	9.96E-08	8.20E-07	1.80E-06	1.15E-07	9.40E-07	2.07E-06	1.26E-07	9.86E-07	2.24E-06	9.89E-08	8.10E-07	1.79E-06
8,552	1.53E-07	1.24E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.78E-08	6.30E-07	1.36E-06	9.95E-08	8.20E-07	1.80E-06	1.15E-07	9.39E-07	2.07E-06	1.26E-07	9.85E-07	2.23E-06	9.88E-08	8.10E-07	1.79E-06
8,553	1.53E-07	1.24E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.78E-08	6.29E-07	1.36E-06	9.95E-08	8.20E-07	1.80E-06	1.15E-07	9.38E-07	2.07E-06	1.26E-07	9.84E-07	2.23E-06	9.88E-08	8.10E-07	1.79E-06
8,554	1.53E-07	1.24E-06	2.70E-06	1.24E-07	1.01E-06	2.25E-06	7.77E-08	6.29E-07	1.36E-06	9.95E-08	8.20E-07	1.80E-06	1.15E-07	9.38E-07	2.07E-06	1.26E-07	9.84E-07	2.23E-06	9.88E-08	8.09E-07	1.79E-06
8,555	1.53E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.76E-08	6.29E-07	1.36E-06	9.94E-08	8.20E-07	1.80E-06	1.15E-07	9.38E-07	2.06E-06	1.25E-07	9.83E-07	2.23E-06	9.86E-08	8.09E-07	1.78E-06
8,556	1.53E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.75E-08	6.28E-07	1.36E-06	9.93E-08	8.20E-07	1.80E-06	1.15E-07	9.38E-07	2.06E-06	1.25E-07	9.83E-07	2.23E-06	9.86E-08	8.09E-07	1.78E-06
8,557	1.53E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.75E-08	6.28E-07	1.35E-06	9.93E-08	8.19E-07	1.80E-06	1.15E-07	9.37E-07	2.06E-06	1.25E-07	9.82E-07	2.23E-06	9.86E-08	8.09E-07	1.78E-06
8,558	1.53E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.74E-08	6.28E-07	1.35E-06	9.92E-08	8.19E-07	1.80E-06	1.14E-07	9.37E-07	2.06E-06	1.25E-07	9.82E-07	2.23E-06	9.85E-08	8.09E-07	1.78E-06
8,559	1.53E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.74E-08	6.27E-07	1.35E-06	9.92E-08	8.18E-07	1.80E-06	1.14E-07	9.37E-07	2.06E-06	1.25E-07	9.82E-07	2.23E-06	9.85E-08	8.09E-07	1.78E-06
8,560	1.52E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.74E-08	6.27E-07	1.35E-06	9.92E-08	8.18E-07	1.80E-06	1.14E-07	9.37E-07	2.06E-06	1.25E-07	9.82E-07	2.23E-06	9.85E-08	8.09E-07	1.78E-06
8,561	1.52E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.73E-08	6.25E-07	1.35E-06	9.91E-08	8.17E-07	1.79E-06	1.14E-07	9.37E-07	2.06E-06	1.25E-07	9.81E-07	2.23E-06	9.85E-08	8.08E-07	1.78E-06
8,562	1.52E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.25E-06	7.72E-08	6.25E-07	1.35E-06	9.91E-08	8.17E-07	1.79E-06	1.14E-07	9.36E-07	2.06E-06	1.25E-07	9.81E-07	2.23E-06	9.85E-08	8.08E-07	1.78E-06
8,563	1.52E-07	1.24E-06	2.69E-06	1.24E-07	1.01E-06	2.24E-06	7.72E-08	6.25E-07	1.35E-06	9.88E-08	8.16E-07	1.79E-06	1.14E-07	9.36E-07	2.06E-06	1.25E-07	9.80E-07	2.22E-06	9.84E-08	8.07E-07	1.78E-06
8,564	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.72E-08	6.25E-07	1.35E-06	9.88E-08	8.16E-07	1.79E-06	1.14E-07	9.35E-07	2.06E-06	1.25E-07	9.80E-07	2.22E-06	9.84E-08	8.07E-07	1.78E-06
8,565	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.71E-08	6.25E-07	1.35E-06	9.88E-08	8.16E-07	1.79E-06	1.14E-07	9.35E-07	2.06E-06	1.25E-07	9.79E-07	2.22E-06	9.83E-08	8.07E-07	1.78E-06
8,566	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.71E-08	6.24E-07	1.35E-06	9.87E-08	8.15E-07	1.79E-06	1.14E-07	9.33E-07	2.06E-06	1.25E-07	9.78E-07	2.22E-06	9.81E-08	8.06E-07	1.78E-06
8,567	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.70E-08	6.24E-07	1.35E-06	9.87E-08	8.15E-07	1.79E-06	1.14E-07	9.33E-07	2.05E-06	1.25E-07	9.78E-07	2.22E-06	9.81E-08	8.06E-07	1.77E-06
8,568	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.70E-08	6.24E-07	1.35E-06	9.87E-08	8.15E-07	1.79E-06	1.14E-07	9.32E-07	2.05E-06	1.25E-07	9.78E-07	2.22E-06	9.79E-08	8.05E-07	1.77E-06
8,569	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.69E-08	6.23E-07	1.35E-06	9.86E-08	8.14E-07	1.79E-06	1.14E-07	9.32E-07	2.05E-06	1.25E-07	9.78E-07	2.22E-06	9.79E-08	8.05E-07	1.77E-06
8,570	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.69E-08	6.23E-07	1.35E-06	9.86E-08	8.13E-07	1.79E-06	1.14E-07	9.31E-07	2.05E-06	1.25E-07	9.78E-07	2.22E-06	9.79E-08	8.05E-07	1.77E-06
8,571	1.52E-07	1.24E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.69E-08	6.23E-07	1.35E-06	9.85E-08	8.12E-07	1.79E-06	1.14E-07	9.31E-07	2.04E-06	1.25E-07	9.77E-07	2.22E-06	9.78E-08	8.05E-07	1.77E-06
8,572	1.52E-07	1.23E-06	2.68E-06	1.24E-07	1.00E-06	2.24E-06	7.67E-08	6.23E-07	1.35E-06	9.84E-08	8.12E-07	1.79E-06	1.14E-07	9.31E-07	2.04E-06	1.25E-07	9.77E-07	2.22E-06	9.77E-08	8.04E-07	1.77E-06
8,573	1.52E-07	1.23E-06	2.67E-06	1.24E-07	1.00E-06	2.24E-06	7.66E-08	6.22E-07	1.35E-06	9.84E-08	8.12E-07	1.79E-06	1.14E-07	9.31E-07	2.04E-06	1.25E-07	9.75E-07	2.21E-06	9.77E-08	8.03E-07	1.77E-06
8,574	1.52E-07	1.23E-06	2.67E-06	1.23E-07	1.00E-06	2.23E-06	7.66E-08	6.22E-07	1.35E-06	9.84E-08	8.12E-07	1.79E-06	1.14E-07	9.30E-07	2.04E-06	1.24E-07	9.74E-07	2.21E-06	9.77E-08	8.03E-07	1.77E-06
8,575	1.52E-07	1.23E-06	2.67E-06	1.23E-07	9.99E-07	2.23E-06	7.66E-08	6.22E-07	1.34E-06	9.83E-08	8.12E-07	1.79E-06	1.14E-07	9.30E-07	2.04E-06	1.24E-07	9.74E-07	2.21E-06	9.76E-08	8.02E-07	1.77E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,596	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.87E-07	2.21E-06	7.59E-08	6.16E-07	1.33E-06	9.68E-08	8.06E-07	1.77E-06	1.13E-07	9.20E-07	2.02E-06	1.23E-07	9.63E-07	2.20E-06	9.65E-08	7.91E-07	1.75E-06
8,597	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.87E-07	2.21E-06	7.59E-08	6.16E-07	1.33E-06	9.66E-08	8.05E-07	1.77E-06	1.13E-07	9.20E-07	2.02E-06	1.23E-07	9.62E-07	2.20E-06	9.65E-08	7.90E-07	1.75E-06
8,598	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.86E-07	2.21E-06	7.59E-08	6.16E-07	1.33E-06	9.66E-08	8.05E-07	1.77E-06	1.13E-07	9.19E-07	2.02E-06	1.23E-07	9.62E-07	2.20E-06	9.64E-08	7.90E-07	1.74E-06
8,599	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.85E-07	2.21E-06	7.59E-08	6.15E-07	1.33E-06	9.65E-08	8.05E-07	1.77E-06	1.13E-07	9.19E-07	2.02E-06	1.23E-07	9.62E-07	2.20E-06	9.63E-08	7.90E-07	1.74E-06
8,600	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.85E-07	2.21E-06	7.58E-08	6.15E-07	1.33E-06	9.65E-08	8.04E-07	1.76E-06	1.12E-07	9.19E-07	2.02E-06	1.23E-07	9.61E-07	2.20E-06	9.63E-08	7.89E-07	1.74E-06
8,601	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.85E-07	2.21E-06	7.58E-08	6.15E-07	1.33E-06	9.64E-08	8.04E-07	1.76E-06	1.12E-07	9.18E-07	2.02E-06	1.23E-07	9.59E-07	2.20E-06	9.63E-08	7.89E-07	1.74E-06
8,602	1.50E-07	1.22E-06	2.65E-06	1.22E-07	9.84E-07	2.20E-06	7.58E-08	6.14E-07	1.33E-06	9.64E-08	8.04E-07	1.76E-06	1.12E-07	9.18E-07	2.02E-06	1.23E-07	9.58E-07	2.20E-06	9.62E-08	7.87E-07	1.74E-06
8,603	1.50E-07	1.22E-06	2.65E-06	1.21E-07	9.84E-07	2.20E-06	7.58E-08	6.14E-07	1.33E-06	9.63E-08	8.04E-07	1.76E-06	1.12E-07	9.18E-07	2.01E-06	1.23E-07	9.57E-07	2.20E-06	9.62E-08	7.86E-07	1.74E-06
8,604	1.49E-07	1.22E-06	2.65E-06	1.21E-07	9.84E-07	2.20E-06	7.57E-08	6.14E-07	1.33E-06	9.63E-08	8.03E-07	1.76E-06	1.12E-07	9.18E-07	2.01E-06	1.22E-07	9.57E-07	2.20E-06	9.61E-08	7.86E-07	1.74E-06
8,605	1.49E-07	1.22E-06	2.65E-06	1.21E-07	9.84E-07	2.20E-06	7.57E-08	6.14E-07	1.33E-06	9.62E-08	8.02E-07	1.76E-06	1.12E-07	9.18E-07	2.01E-06	1.22E-07	9.56E-07	2.19E-06	9.61E-08	7.86E-07	1.74E-06
8,606	1.49E-07	1.21E-06	2.64E-06	1.21E-07	9.84E-07	2.20E-06	7.57E-08	6.13E-07	1.33E-06	9.62E-08	8.02E-07	1.76E-06	1.12E-07	9.17E-07	2.01E-06	1.22E-07	9.56E-07	2.19E-06	9.60E-08	7.86E-07	1.74E-06
8,607	1.49E-07	1.21E-06	2.64E-06	1.21E-07	9.83E-07	2.20E-06	7.56E-08	6.13E-07	1.32E-06	9.61E-08	8.01E-07	1.76E-06	1.12E-07	9.17E-07	2.01E-06	1.22E-07	9.56E-07	2.19E-06	9.60E-08	7.86E-07	1.74E-06
8,608	1.49E-07	1.21E-06	2.64E-06	1.21E-07	9.82E-07	2.20E-06	7.56E-08	6.13E-07	1.32E-06	9.59E-08	8.01E-07	1.76E-06	1.12E-07	9.17E-07	2.01E-06	1.22E-07	9.56E-07	2.19E-06	9.58E-08	7.85E-07	1.74E-06
8,609	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.82E-07	2.20E-06	7.55E-08	6.13E-07	1.32E-06	9.59E-08	8.01E-07	1.76E-06	1.12E-07	9.17E-07	2.01E-06	1.22E-07	9.55E-07	2.19E-06	9.58E-08	7.85E-07	1.74E-06
8,610	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.82E-07	2.20E-06	7.54E-08	6.12E-07	1.32E-06	9.59E-08	8.01E-07	1.76E-06	1.12E-07	9.16E-07	2.01E-06	1.22E-07	9.55E-07	2.19E-06	9.56E-08	7.84E-07	1.73E-06
8,611	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.82E-07	2.20E-06	7.54E-08	6.12E-07	1.32E-06	9.58E-08	8.00E-07	1.76E-06	1.11E-07	9.15E-07	2.01E-06	1.22E-07	9.55E-07	2.19E-06	9.56E-08	7.83E-07	1.73E-06
8,612	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.81E-07	2.20E-06	7.52E-08	6.12E-07	1.32E-06	9.58E-08	8.00E-07	1.76E-06	1.11E-07	9.15E-07	2.00E-06	1.22E-07	9.54E-07	2.19E-06	9.55E-08	7.82E-07	1.73E-06
8,613	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.80E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.58E-08	8.00E-07	1.76E-06	1.11E-07	9.14E-07	2.00E-06	1.22E-07	9.54E-07	2.19E-06	9.55E-08	7.82E-07	1.73E-06
8,614	1.49E-07	1.21E-06	2.63E-06	1.21E-07	9.80E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.58E-08	7.99E-07	1.76E-06	1.11E-07	9.14E-07	2.00E-06	1.22E-07	9.54E-07	2.19E-06	9.55E-08	7.81E-07	1.73E-06
8,615	1.48E-07	1.21E-06	2.63E-06	1.21E-07	9.79E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.57E-08	7.99E-07	1.75E-06	1.11E-07	9.14E-07	2.00E-06	1.22E-07	9.54E-07	2.19E-06	9.54E-08	7.81E-07	1.73E-06
8,616	1.48E-07	1.21E-06	2.63E-06	1.21E-07	9.79E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.57E-08	7.98E-07	1.75E-06	1.11E-07	9.13E-07	2.00E-06	1.22E-07	9.53E-07	2.19E-06	9.54E-08	7.80E-07	1.73E-06
8,617	1.48E-07	1.21E-06	2.62E-06	1.21E-07	9.79E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.56E-08	7.98E-07	1.75E-06	1.11E-07	9.12E-07	2.00E-06	1.22E-07	9.53E-07	2.19E-06	9.54E-08	7.80E-07	1.73E-06
8,618	1.48E-07	1.21E-06	2.62E-06	1.21E-07	9.78E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.55E-08	7.97E-07	1.75E-06	1.11E-07	9.10E-07	2.00E-06	1.22E-07	9.53E-07	2.19E-06	9.53E-08	7.80E-07	1.73E-06
8,619	1.48E-07	1.21E-06	2.62E-06	1.21E-07	9.78E-07	2.19E-06	7.50E-08	6.11E-07	1.32E-06	9.54E-08	7.97E-07	1.75E-06	1.11E-07	9.09E-07	2.00E-06	1.22E-07	9.53E-07	2.19E-06	9.53E-08	7.79E-07	1.73E-06
8,620	1.48E-07	1.21E-06	2.62E-06	1.21E-07	9.78E-07	2.19E-06	7.49E-08	6.10E-07	1.32E-06	9.54E-08	7.95E-07	1.75E-06	1.11E-07	9.09E-07	2.00E-06	1.21E-07	9.52E-07	2.19E-06	9.53E-08	7.79E-07	1.72E-06
8,621	1.48E-07	1.21E-06	2.62E-06	1.20E-07	9.78E-07	2.18E-06	7.48E-08	6.10E-07	1.32E-06	9.53E-08	7.94E-07	1.75E-06	1.11E-07	9.09E-07	2.00E-06	1.21E-07	9.52E-07	2.19E-06	9.52E-08	7.78E-07	1.72E-06
8,622	1.48E-07	1.20E-06	2.62E-06	1.20E-07	9.77E-07	2.18E-06	7.47E-08	6.10E-07	1.32E-06	9.53E-08	7.94E-07	1.75E-06	1.10E-07	9.09E-07	2.00E-06	1.21E-07	9.52E-07	2.18E-06	9.52E-08	7.78E-07	1.72E-06
8,623	1.48E-07	1.20E-06	2.62E-06	1.20E-07	9.77E-07	2.18E-06	7.47E-08	6.10E-07	1.32E-06	9.52E-08	7.93E-07	1.75E-06	1.10E-07	9.08E-07	2.00E-06	1.21E-07	9.52E-07	2.18E-06	9.51E-08	7.77E-07	1.72E-06
8,624	1.48E-07	1.20E-06	2.62E-06	1.20E-07	9.76E-07	2.18E-06	7.47E-08	6.10E-07	1.32E-06	9.52E-08	7.92E-07	1.75E-06	1.10E-07	9.08E-07	2.00E-06	1.21E-07	9.51E-07	2.18E-06	9.51E-08	7.77E-07	1.72E-06
8,625	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.75E-07	2.18E-06	7.47E-08	6.10E-07	1.32E-06	9.51E-08	7.92E-07	1.74E-06	1.10E-07	9.08E-07	1.99E-06	1.21E-07	9.51E-07	2.18E-06	9.51E-08	7.77E-07	1.72E-06
8,626	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.75E-07	2.18E-06	7.46E-08	6.10E-07	1.32E-06	9.50E-08	7.91E-07	1.74E-06	1.10E-07	9.08E-07	1.99E-06	1.21E-07	9.51E-07	2.18E-06	9.50E-08	7.77E-07	1.72E-06
8,627	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.73E-07	2.18E-06	7.45E-08	6.09E-07	1.32E-06	9.50E-08	7.91E-07	1.74E-06	1.10E-07	9.08E-07	1.98E-06	1.21E-07	9.51E-07	2.18E-06	9.50E-08	7.77E-07	1.72E-06
8,628	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.73E-07	2.17E-06	7.45E-08	6.09E-07	1.32E-06	9.50E-08	7.90E-07	1.74E-06	1.10E-07	9.08E-07	1.98E-06	1.21E-07	9.50E-07	2.17E-06	9.49E-08	7.76E-07	1.72E-06
8,629	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.72E-07	2.17E-06	7.44E-08	6.09E-07	1.32E-06	9.49E-08	7.90E-07	1.74E-06	1.10E-07	9.07E-07	1.98E-06	1.21E-07	9.50E-07	2.17E-06	9.49E-08	7.76E-07	1.72E-06
8,630	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.70E-07	2.17E-06	7.44E-08	6.08E-07	1.32E-06	9.49E-08	7.89E-07	1.74E-06	1.10E-07	9.07E-07	1.98E-06	1.21E-07	9.48E-07	2.17E-06	9.49E-08	7.76E-07	1.72E-06
8,631	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.69E-07	2.17E-06	7.43E-08	6.08E-07	1.31E-06	9.48E-08	7.89E-07	1.74E-06	1.10E-07	9.06E-07	1.98E-06	1.21E-07	9.48E-07	2.17E-06	9.48E-08	7.75E-07	1.72E-06
8,632	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.69E-07	2.17E-06	7.43E-08	6.08E-07	1.31E-06	9.48E-08	7.87E-07	1.74E-06	1.10E-07	9.05E-07	1.98E-06	1.21E-07	9.47E-07	2.17E-06	9.48E-08	7.75E-07	1.71E-06
8,633	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.68E-07	2.17E-06	7.42E-08	6.08E-07	1.31E-06	9.47E-08	7.87E-07	1.74E-06	1.10E-07	9.05E-07	1.98E-06	1.20E-07	9.46E-07	2.17E-06	9.48E-08	7.75E-07	1.71E-06
8,634	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.68E-07	2.17E-06	7.42E-08	6.07E-07	1.31E-06	9.46E-08	7.86E-07	1.74E-06	1.10E-07	9.05E-07	1.98E-06	1.20E-07	9.46E-07	2.17E-06	9.48E-08	7.74E-07	1.71E-06
8,635	1.48E-07	1.20E-06	2.61E-06	1.20E-07	9.68E-07	2.17E-06	7.42E-08	6.07E-07	1.31E-06	9.46E-08	7.86E-07	1.74E-06	1.10E-07	9.04E-07	1.98E-06	1.20E-07	9.46E-07	2.16E-06	9.47E-08	7.74E-07	1.71E-06
8,636	1.47E-07	1.20E-06	2.60E-06	1.20E-07	9.67E-07	2.16E-06	7.42E-08	6.07E-07	1.31E-06	9.46E-08	7.86E-07	1.74E-06	1.10E-07	9.04E-07	1.98E-06	1.20E-07	9.46E-07	2.16E-06	9.47E-08	7.74E-07	1.71E-06
8,637	1.47E-07	1.20E-06	2.60E-06	1.20E-07	9.66E-07	2.16E-06	7.41E-08	6.06E-07	1.31E-06	9.46E-08	7.86E-07	1.73E-06	1.10E-07	9.04E-07	1.98E-06	1.20E-07	9.45E-07	2.16E-06	9.46E-08	7.74E-07	1.71E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,658	1.46E-07	1.19E-06	2.58E-06	1.18E-07	9.53E-07	2.14E-06	7.31E-08	6.00E-07	1.30E-06	9.33E-08	7.72E-07	1.72E-06	1.09E-07	8.94E-07	1.97E-06	1.19E-07	9.33E-07	2.14E-06	9.36E-08	7.68E-07	1.69E-06
8,659	1.46E-07	1.19E-06	2.58E-06	1.18E-07	9.53E-07	2.14E-06	7.31E-08	5.99E-07	1.30E-06	9.32E-08	7.71E-07	1.72E-06	1.08E-07	8.92E-07	1.96E-06	1.19E-07	9.33E-07	2.14E-06	9.35E-08	7.67E-07	1.69E-06
8,660	1.46E-07	1.19E-06	2.58E-06	1.17E-07	9.52E-07	2.14E-06	7.31E-08	5.99E-07	1.30E-06	9.32E-08	7.71E-07	1.71E-06	1.08E-07	8.92E-07	1.96E-06	1.19E-07	9.33E-07	2.14E-06	9.34E-08	7.66E-07	1.69E-06
8,661	1.46E-07	1.19E-06	2.58E-06	1.17E-07	9.51E-07	2.14E-06	7.31E-08	5.99E-07	1.30E-06	9.31E-08	7.70E-07	1.71E-06	1.08E-07	8.92E-07	1.96E-06	1.19E-07	9.33E-07	2.14E-06	9.34E-08	7.66E-07	1.69E-06
8,662	1.46E-07	1.19E-06	2.58E-06	1.17E-07	9.51E-07	2.14E-06	7.30E-08	5.99E-07	1.30E-06	9.30E-08	7.70E-07	1.71E-06	1.08E-07	8.91E-07	1.96E-06	1.19E-07	9.32E-07	2.13E-06	9.32E-08	7.66E-07	1.69E-06
8,663	1.46E-07	1.19E-06	2.57E-06	1.17E-07	9.51E-07	2.14E-06	7.29E-08	5.98E-07	1.30E-06	9.30E-08	7.70E-07	1.71E-06	1.08E-07	8.91E-07	1.96E-06	1.19E-07	9.32E-07	2.13E-06	9.32E-08	7.65E-07	1.69E-06
8,664	1.46E-07	1.19E-06	2.57E-06	1.17E-07	9.51E-07	2.14E-06	7.28E-08	5.97E-07	1.30E-06	9.30E-08	7.70E-07	1.71E-06	1.08E-07	8.90E-07	1.96E-06	1.19E-07	9.31E-07	2.13E-06	9.32E-08	7.65E-07	1.69E-06
8,665	1.46E-07	1.18E-06	2.57E-06	1.17E-07	9.51E-07	2.13E-06	7.28E-08	5.97E-07	1.30E-06	9.29E-08	7.69E-07	1.71E-06	1.08E-07	8.88E-07	1.96E-06	1.19E-07	9.31E-07	2.13E-06	9.31E-08	7.65E-07	1.68E-06
8,666	1.46E-07	1.18E-06	2.57E-06	1.17E-07	9.51E-07	2.13E-06	7.28E-08	5.97E-07	1.30E-06	9.28E-08	7.69E-07	1.71E-06	1.08E-07	8.88E-07	1.96E-06	1.19E-07	9.30E-07	2.13E-06	9.31E-08	7.64E-07	1.68E-06
8,667	1.45E-07	1.18E-06	2.57E-06	1.17E-07	9.51E-07	2.13E-06	7.28E-08	5.97E-07	1.30E-06	9.28E-08	7.69E-07	1.71E-06	1.08E-07	8.86E-07	1.95E-06	1.19E-07	9.28E-07	2.13E-06	9.30E-08	7.63E-07	1.68E-06
8,668	1.45E-07	1.18E-06	2.57E-06	1.17E-07	9.50E-07	2.13E-06	7.28E-08	5.97E-07	1.30E-06	9.27E-08	7.69E-07	1.71E-06	1.08E-07	8.85E-07	1.95E-06	1.19E-07	9.27E-07	2.13E-06	9.30E-08	7.63E-07	1.68E-06
8,669	1.45E-07	1.18E-06	2.57E-06	1.17E-07	9.49E-07	2.13E-06	7.27E-08	5.97E-07	1.30E-06	9.27E-08	7.68E-07	1.71E-06	1.08E-07	8.85E-07	1.95E-06	1.18E-07	9.27E-07	2.13E-06	9.30E-08	7.63E-07	1.68E-06
8,670	1.45E-07	1.18E-06	2.57E-06	1.16E-07	9.49E-07	2.13E-06	7.27E-08	5.97E-07	1.30E-06	9.26E-08	7.68E-07	1.71E-06	1.08E-07	8.84E-07	1.95E-06	1.18E-07	9.27E-07	2.13E-06	9.29E-08	7.63E-07	1.68E-06
8,671	1.45E-07	1.18E-06	2.57E-06	1.16E-07	9.49E-07	2.13E-06	7.27E-08	5.96E-07	1.29E-06	9.25E-08	7.67E-07	1.71E-06	1.08E-07	8.84E-07	1.95E-06	1.18E-07	9.26E-07	2.13E-06	9.29E-08	7.62E-07	1.68E-06
8,672	1.45E-07	1.18E-06	2.57E-06	1.16E-07	9.48E-07	2.13E-06	7.26E-08	5.96E-07	1.29E-06	9.23E-08	7.67E-07	1.71E-06	1.08E-07	8.84E-07	1.95E-06	1.18E-07	9.26E-07	2.12E-06	9.28E-08	7.62E-07	1.68E-06
8,673	1.45E-07	1.18E-06	2.57E-06	1.16E-07	9.48E-07	2.13E-06	7.25E-08	5.96E-07	1.29E-06	9.23E-08	7.66E-07	1.71E-06	1.08E-07	8.84E-07	1.95E-06	1.18E-07	9.25E-07	2.12E-06	9.28E-08	7.62E-07	1.68E-06
8,674	1.45E-07	1.18E-06	2.57E-06	1.16E-07	9.47E-07	2.12E-06	7.25E-08	5.96E-07	1.29E-06	9.21E-08	7.65E-07	1.71E-06	1.08E-07	8.83E-07	1.95E-06	1.18E-07	9.25E-07	2.11E-06	9.28E-08	7.61E-07	1.68E-06
8,675	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.47E-07	2.12E-06	7.25E-08	5.96E-07	1.29E-06	9.21E-08	7.64E-07	1.70E-06	1.07E-07	8.80E-07	1.95E-06	1.18E-07	9.24E-07	2.11E-06	9.27E-08	7.59E-07	1.67E-06
8,676	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.45E-07	2.12E-06	7.25E-08	5.96E-07	1.29E-06	9.21E-08	7.64E-07	1.70E-06	1.07E-07	8.80E-07	1.95E-06	1.18E-07	9.24E-07	2.11E-06	9.27E-08	7.59E-07	1.67E-06
8,677	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.45E-07	2.12E-06	7.24E-08	5.96E-07	1.29E-06	9.21E-08	7.64E-07	1.70E-06	1.07E-07	8.79E-07	1.95E-06	1.18E-07	9.23E-07	2.11E-06	9.27E-08	7.59E-07	1.67E-06
8,678	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.45E-07	2.12E-06	7.24E-08	5.95E-07	1.29E-06	9.20E-08	7.64E-07	1.70E-06	1.07E-07	8.78E-07	1.94E-06	1.18E-07	9.23E-07	2.11E-06	9.27E-08	7.59E-07	1.67E-06
8,679	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.44E-07	2.12E-06	7.23E-08	5.94E-07	1.29E-06	9.19E-08	7.64E-07	1.70E-06	1.07E-07	8.78E-07	1.94E-06	1.18E-07	9.23E-07	2.11E-06	9.26E-08	7.59E-07	1.67E-06
8,680	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.43E-07	2.12E-06	7.22E-08	5.94E-07	1.29E-06	9.19E-08	7.64E-07	1.70E-06	1.07E-07	8.78E-07	1.94E-06	1.18E-07	9.22E-07	2.11E-06	9.26E-08	7.58E-07	1.67E-06
8,681	1.44E-07	1.18E-06	2.56E-06	1.16E-07	9.42E-07	2.12E-06	7.22E-08	5.93E-07	1.29E-06	9.19E-08	7.64E-07	1.70E-06	1.07E-07	8.77E-07	1.94E-06	1.18E-07	9.22E-07	2.11E-06	9.25E-08	7.58E-07	1.67E-06
8,682	1.44E-07	1.18E-06	2.56E-06	1.15E-07	9.42E-07	2.11E-06	7.22E-08	5.93E-07	1.29E-06	9.19E-08	7.64E-07	1.70E-06	1.07E-07	8.76E-07	1.94E-06	1.17E-07	9.22E-07	2.11E-06	9.25E-08	7.57E-07	1.67E-06
8,683	1.44E-07	1.18E-06	2.55E-06	1.15E-07	9.41E-07	2.11E-06	7.21E-08	5.92E-07	1.29E-06	9.19E-08	7.63E-07	1.70E-06	1.07E-07	8.75E-07	1.94E-06	1.17E-07	9.21E-07	2.11E-06	9.25E-08	7.56E-07	1.67E-06
8,684	1.44E-07	1.18E-06	2.55E-06	1.15E-07	9.40E-07	2.11E-06	7.20E-08	5.92E-07	1.29E-06	9.19E-08	7.62E-07	1.70E-06	1.07E-07	8.75E-07	1.94E-06	1.17E-07	9.21E-07	2.10E-06	9.24E-08	7.56E-07	1.67E-06
8,685	1.44E-07	1.18E-06	2.55E-06	1.15E-07	9.40E-07	2.11E-06	7.19E-08	5.92E-07	1.29E-06	9.19E-08	7.62E-07	1.70E-06	1.07E-07	8.75E-07	1.94E-06	1.17E-07	9.21E-07	2.10E-06	9.23E-08	7.55E-07	1.67E-06
8,686	1.44E-07	1.18E-06	2.55E-06	1.15E-07	9.40E-07	2.11E-06	7.19E-08	5.92E-07	1.29E-06	9.19E-08	7.62E-07	1.70E-06	1.07E-07	8.74E-07	1.93E-06	1.17E-07	9.20E-07	2.10E-06	9.23E-08	7.55E-07	1.67E-06
8,687	1.43E-07	1.18E-06	2.55E-06	1.15E-07	9.40E-07	2.11E-06	7.19E-08	5.92E-07	1.28E-06	9.18E-08	7.62E-07	1.69E-06	1.07E-07	8.74E-07	1.93E-06	1.17E-07	9.20E-07	2.10E-06	9.22E-08	7.55E-07	1.66E-06
8,688	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.38E-07	2.11E-06	7.19E-08	5.91E-07	1.28E-06	9.18E-08	7.62E-07	1.69E-06	1.07E-07	8.73E-07	1.93E-06	1.17E-07	9.19E-07	2.10E-06	9.21E-08	7.55E-07	1.66E-06
8,689	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.36E-07	2.11E-06	7.18E-08	5.91E-07	1.28E-06	9.17E-08	7.62E-07	1.69E-06	1.07E-07	8.73E-07	1.93E-06	1.17E-07	9.18E-07	2.10E-06	9.20E-08	7.55E-07	1.66E-06
8,690	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.36E-07	2.11E-06	7.18E-08	5.91E-07	1.28E-06	9.17E-08	7.61E-07	1.69E-06	1.07E-07	8.73E-07	1.93E-06	1.17E-07	9.18E-07	2.10E-06	9.20E-08	7.55E-07	1.66E-06
8,691	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.36E-07	2.11E-06	7.17E-08	5.90E-07	1.28E-06	9.17E-08	7.61E-07	1.69E-06	1.06E-07	8.73E-07	1.93E-06	1.17E-07	9.18E-07	2.10E-06	9.20E-08	7.54E-07	1.66E-06
8,692	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.36E-07	2.10E-06	7.17E-08	5.90E-07	1.28E-06	9.16E-08	7.61E-07	1.69E-06	1.06E-07	8.72E-07	1.92E-06	1.17E-07	9.17E-07	2.10E-06	9.20E-08	7.54E-07	1.66E-06
8,693	1.43E-07	1.17E-06	2.55E-06	1.15E-07	9.36E-07	2.10E-06	7.17E-08	5.90E-07	1.28E-06	9.16E-08	7.60E-07	1.69E-06	1.06E-07	8.70E-07	1.92E-06	1.17E-07	9.17E-07	2.10E-06	9.19E-08	7.53E-07	1.66E-06
8,694	1.43E-07	1.17E-06	2.54E-06	1.15E-07	9.35E-07	2.10E-06	7.17E-08	5.90E-07	1.28E-06	9.16E-08	7.60E-07	1.69E-06	1.06E-07	8.69E-07	1.92E-06	1.17E-07	9.17E-07	2.10E-06	9.19E-08	7.53E-07	1.66E-06
8,695	1.43E-07	1.17E-06	2.54E-06	1.15E-07	9.35E-07	2.10E-06	7.17E-08	5.89E-07	1.28E-06	9.15E-08	7.60E-07	1.69E-06	1.06E-07	8.68E-07	1.92E-06	1.16E-07	9.17E-07	2.10E-06	9.19E-08	7.53E-07	1.66E-06
8,696	1.43E-07	1.17E-06	2.54E-06	1.14E-07	9.35E-07	2.10E-06	7.17E-08	5.89E-07	1.28E-06	9.14E-08	7.59E-07	1.69E-06	1.06E-07	8.67E-07	1.92E-06	1.16E-07	9.17E-07	2.09E-06	9.18E-08	7.53E-07	1.66E-06
8,697	1.43E-07	1.17E-06	2.54E-06	1.14E-07	9.33E-07	2.10E-06	7.17E-08	5.89E-07	1.28E-06	9.14E-08	7.59E-07	1.69E-06	1.06E-07	8.66E-07	1.92E-06	1.16E-07	9.17E-07	2.09E-06	9.17E-08	7.50E-07	1.66E-06
8,698	1.43E-07	1.17E-06	2.54E-06	1.14E-07	9.33E-07	2.10E-06	7.16E-08	5.88E-07	1.28E-06	9.12E-08	7.58E-07	1.69E-06	1.06E-07	8.66E-07	1.92E-06	1.16E-07	9.15E-07	2.09E-06	9.17E-08	7.50E-07	1.66E-06
8,699	1.43E-07	1.17E-06	2.54E-06	1.14E-07	9.32E-07	2.10E-06	7.16E-08	5.88E-07	1.28E-06	9.12E-08	7.57E-07	1.69E-06	1.06E-07	8.66E-07	1.92E-06	1.16E-07	9.14E-07	2.09E-06	9.16E-08	7.49E-07	1.66E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,720	1.42E-07	1.16E-06	2.52E-06	1.13E-07	9.23E-07	2.08E-06	7.05E-08	5.83E-07	1.27E-06	9.01E-08	7.50E-07	1.67E-06	1.04E-07	8.55E-07	1.90E-06	1.14E-07	9.07E-07	2.07E-06	9.09E-08	7.44E-07	1.64E-06
8,721	1.42E-07	1.16E-06	2.52E-06	1.13E-07	9.23E-07	2.08E-06	7.05E-08	5.83E-07	1.26E-06	9.01E-08	7.50E-07	1.67E-06	1.04E-07	8.55E-07	1.90E-06	1.14E-07	9.06E-07	2.06E-06	9.09E-08	7.44E-07	1.64E-06
8,722	1.41E-07	1.16E-06	2.52E-06	1.13E-07	9.23E-07	2.07E-06	7.04E-08	5.82E-07	1.26E-06	9.01E-08	7.50E-07	1.67E-06	1.04E-07	8.55E-07	1.89E-06	1.14E-07	9.06E-07	2.06E-06	9.08E-08	7.43E-07	1.64E-06
8,723	1.41E-07	1.16E-06	2.52E-06	1.13E-07	9.23E-07	2.07E-06	7.04E-08	5.82E-07	1.26E-06	9.01E-08	7.50E-07	1.67E-06	1.04E-07	8.55E-07	1.89E-06	1.14E-07	9.06E-07	2.06E-06	9.08E-08	7.43E-07	1.64E-06
8,724	1.41E-07	1.16E-06	2.51E-06	1.13E-07	9.23E-07	2.07E-06	7.04E-08	5.82E-07	1.26E-06	9.00E-08	7.49E-07	1.67E-06	1.04E-07	8.54E-07	1.89E-06	1.14E-07	9.06E-07	2.06E-06	9.07E-08	7.43E-07	1.64E-06
8,725	1.41E-07	1.16E-06	2.51E-06	1.13E-07	9.22E-07	2.07E-06	7.04E-08	5.82E-07	1.26E-06	9.00E-08	7.49E-07	1.66E-06	1.04E-07	8.54E-07	1.89E-06	1.14E-07	9.05E-07	2.06E-06	9.07E-08	7.43E-07	1.64E-06
8,726	1.41E-07	1.16E-06	2.51E-06	1.13E-07	9.22E-07	2.07E-06	7.04E-08	5.81E-07	1.26E-06	9.00E-08	7.49E-07	1.66E-06	1.04E-07	8.54E-07	1.89E-06	1.14E-07	9.05E-07	2.06E-06	9.07E-08	7.43E-07	1.63E-06
8,727	1.41E-07	1.16E-06	2.51E-06	1.13E-07	9.21E-07	2.07E-06	7.03E-08	5.80E-07	1.26E-06	9.00E-08	7.47E-07	1.66E-06	1.04E-07	8.54E-07	1.89E-06	1.14E-07	9.04E-07	2.06E-06	9.06E-08	7.42E-07	1.63E-06
8,728	1.41E-07	1.15E-06	2.51E-06	1.12E-07	9.21E-07	2.07E-06	7.03E-08	5.79E-07	1.26E-06	9.00E-08	7.47E-07	1.66E-06	1.04E-07	8.53E-07	1.89E-06	1.14E-07	9.04E-07	2.06E-06	9.05E-08	7.42E-07	1.63E-06
8,729	1.41E-07	1.15E-06	2.51E-06	1.12E-07	9.20E-07	2.07E-06	7.01E-08	5.79E-07	1.26E-06	8.99E-08	7.47E-07	1.66E-06	1.04E-07	8.53E-07	1.89E-06	1.14E-07	9.04E-07	2.06E-06	9.04E-08	7.41E-07	1.63E-06
8,730	1.41E-07	1.15E-06	2.51E-06	1.12E-07	9.20E-07	2.07E-06	7.01E-08	5.79E-07	1.26E-06	8.98E-08	7.47E-07	1.66E-06	1.04E-07	8.53E-07	1.89E-06	1.14E-07	9.04E-07	2.06E-06	9.04E-08	7.40E-07	1.63E-06
8,731	1.41E-07	1.15E-06	2.51E-06	1.12E-07	9.19E-07	2.07E-06	7.01E-08	5.79E-07	1.26E-06	8.98E-08	7.47E-07	1.65E-06	1.04E-07	8.53E-07	1.89E-06	1.14E-07	9.04E-07	2.06E-06	9.04E-08	7.40E-07	1.63E-06
8,732	1.41E-07	1.15E-06	2.51E-06	1.12E-07	9.19E-07	2.07E-06	7.00E-08	5.79E-07	1.26E-06	8.97E-08	7.47E-07	1.65E-06	1.04E-07	8.52E-07	1.89E-06	1.13E-07	9.03E-07	2.06E-06	9.03E-08	7.40E-07	1.63E-06
8,733	1.40E-07	1.15E-06	2.51E-06	1.12E-07	9.18E-07	2.07E-06	7.00E-08	5.79E-07	1.26E-06	8.96E-08	7.47E-07	1.65E-06	1.04E-07	8.51E-07	1.88E-06	1.13E-07	9.03E-07	2.06E-06	9.02E-08	7.40E-07	1.63E-06
8,734	1.40E-07	1.15E-06	2.51E-06	1.12E-07	9.18E-07	2.07E-06	7.00E-08	5.78E-07	1.26E-06	8.96E-08	7.47E-07	1.65E-06	1.04E-07	8.51E-07	1.88E-06	1.13E-07	9.02E-07	2.06E-06	9.01E-08	7.39E-07	1.63E-06
8,735	1.40E-07	1.15E-06	2.50E-06	1.12E-07	9.17E-07	2.07E-06	7.00E-08	5.78E-07	1.26E-06	8.95E-08	7.46E-07	1.65E-06	1.04E-07	8.51E-07	1.88E-06	1.13E-07	9.02E-07	2.05E-06	9.00E-08	7.39E-07	1.63E-06
8,736	1.40E-07	1.15E-06	2.50E-06	1.12E-07	9.16E-07	2.07E-06	6.99E-08	5.77E-07	1.26E-06	8.95E-08	7.46E-07	1.65E-06	1.03E-07	8.51E-07	1.88E-06	1.13E-07	9.01E-07	2.05E-06	9.00E-08	7.39E-07	1.62E-06
8,737	1.40E-07	1.15E-06	2.50E-06	1.12E-07	9.16E-07	2.06E-06	6.98E-08	5.77E-07	1.26E-06	8.95E-08	7.46E-07	1.65E-06	1.03E-07	8.50E-07	1.88E-06	1.13E-07	9.00E-07	2.05E-06	9.00E-08	7.38E-07	1.62E-06
8,738	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.16E-07	2.06E-06	6.97E-08	5.77E-07	1.26E-06	8.94E-08	7.45E-07	1.65E-06	1.03E-07	8.50E-07	1.88E-06	1.13E-07	9.00E-07	2.05E-06	8.99E-08	7.38E-07	1.62E-06
8,739	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.16E-07	2.06E-06	6.97E-08	5.76E-07	1.26E-06	8.94E-08	7.45E-07	1.65E-06	1.03E-07	8.49E-07	1.87E-06	1.13E-07	9.00E-07	2.05E-06	8.98E-08	7.38E-07	1.62E-06
8,740	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.16E-07	2.06E-06	6.97E-08	5.76E-07	1.26E-06	8.94E-08	7.43E-07	1.65E-06	1.03E-07	8.48E-07	1.87E-06	1.13E-07	8.99E-07	2.05E-06	8.97E-08	7.38E-07	1.62E-06
8,741	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.14E-07	2.06E-06	6.97E-08	5.76E-07	1.26E-06	8.93E-08	7.43E-07	1.65E-06	1.03E-07	8.48E-07	1.87E-06	1.13E-07	8.99E-07	2.05E-06	8.96E-08	7.38E-07	1.62E-06
8,742	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.13E-07	2.06E-06	6.96E-08	5.76E-07	1.26E-06	8.93E-08	7.43E-07	1.65E-06	1.03E-07	8.48E-07	1.87E-06	1.13E-07	8.98E-07	2.05E-06	8.96E-08	7.38E-07	1.62E-06
8,743	1.40E-07	1.14E-06	2.50E-06	1.12E-07	9.12E-07	2.06E-06	6.95E-08	5.76E-07	1.26E-06	8.92E-08	7.43E-07	1.65E-06	1.03E-07	8.47E-07	1.87E-06	1.13E-07	8.97E-07	2.05E-06	8.95E-08	7.37E-07	1.62E-06
8,744	1.40E-07	1.14E-06	2.50E-06	1.11E-07	9.12E-07	2.06E-06	6.95E-08	5.76E-07	1.25E-06	8.90E-08	7.42E-07	1.64E-06	1.03E-07	8.47E-07	1.87E-06	1.13E-07	8.97E-07	2.05E-06	8.92E-08	7.37E-07	1.62E-06
8,745	1.40E-07	1.14E-06	2.50E-06	1.11E-07	9.12E-07	2.06E-06	6.95E-08	5.76E-07	1.25E-06	8.90E-08	7.42E-07	1.64E-06	1.03E-07	8.47E-07	1.87E-06	1.13E-07	8.96E-07	2.05E-06	8.92E-08	7.36E-07	1.62E-06
8,746	1.40E-07	1.14E-06	2.49E-06	1.11E-07	9.12E-07	2.05E-06	6.95E-08	5.75E-07	1.25E-06	8.88E-08	7.42E-07	1.64E-06	1.03E-07	8.47E-07	1.87E-06	1.13E-07	8.95E-07	2.05E-06	8.92E-08	7.36E-07	1.62E-06
8,747	1.40E-07	1.14E-06	2.49E-06	1.11E-07	9.12E-07	2.05E-06	6.94E-08	5.74E-07	1.25E-06	8.88E-08	7.41E-07	1.64E-06	1.03E-07	8.47E-07	1.87E-06	1.12E-07	8.95E-07	2.05E-06	8.92E-08	7.36E-07	1.62E-06
8,748	1.39E-07	1.14E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.94E-08	5.74E-07	1.25E-06	8.88E-08	7.41E-07	1.64E-06	1.03E-07	8.46E-07	1.87E-06	1.12E-07	8.95E-07	2.05E-06	8.91E-08	7.35E-07	1.61E-06
8,749	1.39E-07	1.14E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.93E-08	5.74E-07	1.25E-06	8.87E-08	7.41E-07	1.64E-06	1.03E-07	8.46E-07	1.87E-06	1.12E-07	8.95E-07	2.05E-06	8.91E-08	7.34E-07	1.61E-06
8,750	1.39E-07	1.14E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.93E-08	5.74E-07	1.25E-06	8.87E-08	7.40E-07	1.64E-06	1.03E-07	8.45E-07	1.87E-06	1.12E-07	8.94E-07	2.04E-06	8.90E-08	7.34E-07	1.61E-06
8,751	1.39E-07	1.14E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.92E-08	5.74E-07	1.25E-06	8.86E-08	7.40E-07	1.64E-06	1.03E-07	8.45E-07	1.86E-06	1.12E-07	8.93E-07	2.04E-06	8.89E-08	7.34E-07	1.61E-06
8,752	1.39E-07	1.14E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.92E-08	5.74E-07	1.25E-06	8.85E-08	7.40E-07	1.64E-06	1.03E-07	8.45E-07	1.86E-06	1.12E-07	8.93E-07	2.04E-06	8.89E-08	7.34E-07	1.61E-06
8,753	1.39E-07	1.13E-06	2.49E-06	1.11E-07	9.11E-07	2.05E-06	6.92E-08	5.73E-07	1.25E-06	8.85E-08	7.39E-07	1.64E-06	1.03E-07	8.43E-07	1.86E-06	1.12E-07	8.91E-07	2.04E-06	8.89E-08	7.34E-07	1.61E-06
8,754	1.39E-07	1.13E-06	2.48E-06	1.11E-07	9.10E-07	2.05E-06	6.91E-08	5.73E-07	1.25E-06	8.84E-08	7.39E-07	1.64E-06	1.03E-07	8.42E-07	1.86E-06	1.12E-07	8.90E-07	2.04E-06	8.89E-08	7.34E-07	1.61E-06
8,755	1.39E-07	1.13E-06	2.48E-06	1.11E-07	9.09E-07	2.05E-06	6.91E-08	5.72E-07	1.25E-06	8.84E-08	7.39E-07	1.63E-06	1.03E-07	8.42E-07	1.86E-06	1.12E-07	8.90E-07	2.04E-06	8.88E-08	7.34E-07	1.61E-06
8,756	1.39E-07	1.13E-06	2.48E-06	1.11E-07	9.08E-07	2.05E-06	6.91E-08	5.72E-07	1.25E-06	8.84E-08	7.38E-07	1.63E-06	1.02E-07	8.41E-07	1.86E-06	1.12E-07	8.90E-07	2.04E-06	8.88E-08	7.34E-07	1.61E-06
8,757	1.39E-07	1.13E-06	2.48E-06	1.11E-07	9.07E-07	2.05E-06	6.91E-08	5.72E-07	1.25E-06	8.83E-08	7.38E-07	1.63E-06	1.02E-07	8.41E-07	1.85E-06	1.12E-07	8.88E-07	2.04E-06	8.87E-08	7.33E-07	1.61E-06
8,758	1.39E-07	1.13E-06	2.48E-06	1.11E-07	9.05E-07	2.05E-06	6.90E-08	5.71E-07	1.24E-06	8.83E-08	7.38E-07	1.63E-06	1.02E-07	8.37E-07	1.85E-06	1.12E-07	8.86E-07	2.04E-06	8.87E-08	7.33E-07	1.61E-06
8,759	1.39E-07	1.13E-06	2.48E-06	1.10E-07	9.05E-07	2.04E-06	6.90E-08	5.71E-07	1.24E-06	8.82E-08	7.38E-07	1.63E-06	1.02E-07	8.37E-07	1.85E-06	1.12E-07	8.85E-07	2.04E-06	8.86E-08	7.33E-07	1.60E-06
8,760	1.39E-07	1.13E-06	2.48E-06	1.10E-07	9.04E-07	2.04E-06	6.90E-08	5.71E-07	1.24E-06	8.82E-08	7.37E-07	1.63E-06	1.02E-07	8.36E-07	1.85E-06	1.12E-07	8.84E-07	2.04E-06	8.86E-08	7.32E-07	1.60E-06
8,761	1.39E-07	1.13E-06	2.48E-06	1.10E-07	9.04E-07	2.04E-06	6.89E-08	5.71E-07	1.24E-06	8.82E-08	7.37E-07	1.63E-06	1.02E-07	8.36E-07	1.85E-06	1.12E-07	8.84E-07	2.04E-06	8.84E-08	7.32E-07	1.60E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,782	1.37E-07	1.12E-06	2.45E-06	1.09E-07	8.97E-07	2.02E-06	6.81E-08	5.62E-07	1.23E-06	8.72E-08	7.27E-07	1.61E-06	1.01E-07	8.25E-07	1.83E-06	1.11E-07	8.77E-07	2.02E-06	8.76E-08	7.23E-07	1.58E-06
8,783	1.37E-07	1.12E-06	2.44E-06	1.09E-07	8.96E-07	2.01E-06	6.81E-08	5.62E-07	1.23E-06	8.71E-08	7.26E-07	1.61E-06	1.01E-07	8.25E-07	1.83E-06	1.11E-07	8.77E-07	2.02E-06	8.76E-08	7.23E-07	1.58E-06
8,784	1.37E-07	1.12E-06	2.44E-06	1.09E-07	8.96E-07	2.01E-06	6.81E-08	5.62E-07	1.23E-06	8.70E-08	7.26E-07	1.61E-06	1.01E-07	8.25E-07	1.83E-06	1.11E-07	8.76E-07	2.02E-06	8.75E-08	7.22E-07	1.58E-06
8,785	1.37E-07	1.12E-06	2.44E-06	1.09E-07	8.96E-07	2.01E-06	6.81E-08	5.62E-07	1.23E-06	8.69E-08	7.25E-07	1.61E-06	1.01E-07	8.25E-07	1.83E-06	1.10E-07	8.75E-07	2.02E-06	8.75E-08	7.22E-07	1.58E-06
8,786	1.37E-07	1.12E-06	2.44E-06	1.09E-07	8.95E-07	2.01E-06	6.79E-08	5.61E-07	1.23E-06	8.69E-08	7.24E-07	1.61E-06	1.01E-07	8.24E-07	1.83E-06	1.10E-07	8.75E-07	2.02E-06	8.75E-08	7.21E-07	1.58E-06
8,787	1.37E-07	1.11E-06	2.44E-06	1.09E-07	8.94E-07	2.01E-06	6.79E-08	5.61E-07	1.22E-06	8.67E-08	7.24E-07	1.61E-06	1.01E-07	8.24E-07	1.83E-06	1.10E-07	8.75E-07	2.01E-06	8.75E-08	7.21E-07	1.58E-06
8,788	1.37E-07	1.11E-06	2.44E-06	1.09E-07	8.94E-07	2.01E-06	6.79E-08	5.61E-07	1.22E-06	8.67E-08	7.23E-07	1.61E-06	1.01E-07	8.23E-07	1.83E-06	1.10E-07	8.74E-07	2.01E-06	8.74E-08	7.21E-07	1.58E-06
8,789	1.37E-07	1.11E-06	2.44E-06	1.08E-07	8.92E-07	2.01E-06	6.79E-08	5.60E-07	1.22E-06	8.66E-08	7.23E-07	1.61E-06	1.00E-07	8.23E-07	1.83E-06	1.10E-07	8.74E-07	2.01E-06	8.74E-08	7.20E-07	1.58E-06
8,790	1.36E-07	1.11E-06	2.44E-06	1.08E-07	8.91E-07	2.01E-06	6.79E-08	5.60E-07	1.22E-06	8.66E-08	7.23E-07	1.61E-06	1.00E-07	8.23E-07	1.83E-06	1.10E-07	8.72E-07	2.00E-06	8.74E-08	7.19E-07	1.58E-06
8,791	1.36E-07	1.11E-06	2.44E-06	1.08E-07	8.90E-07	2.00E-06	6.78E-08	5.59E-07	1.22E-06	8.65E-08	7.21E-07	1.61E-06	1.00E-07	8.22E-07	1.82E-06	1.10E-07	8.71E-07	2.00E-06	8.73E-08	7.19E-07	1.58E-06
8,792	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.90E-07	2.00E-06	6.78E-08	5.59E-07	1.22E-06	8.64E-08	7.20E-07	1.60E-06	1.00E-07	8.22E-07	1.82E-06	1.10E-07	8.71E-07	2.00E-06	8.72E-08	7.19E-07	1.58E-06
8,793	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.90E-07	2.00E-06	6.78E-08	5.58E-07	1.22E-06	8.64E-08	7.19E-07	1.60E-06	1.00E-07	8.22E-07	1.82E-06	1.10E-07	8.71E-07	2.00E-06	8.72E-08	7.19E-07	1.58E-06
8,794	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.88E-07	2.00E-06	6.77E-08	5.58E-07	1.22E-06	8.63E-08	7.19E-07	1.60E-06	1.00E-07	8.21E-07	1.82E-06	1.10E-07	8.71E-07	2.00E-06	8.72E-08	7.19E-07	1.58E-06
8,795	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.87E-07	2.00E-06	6.77E-08	5.58E-07	1.22E-06	8.63E-08	7.19E-07	1.60E-06	9.99E-08	8.21E-07	1.82E-06	1.10E-07	8.71E-07	2.00E-06	8.71E-08	7.19E-07	1.58E-06
8,796	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.87E-07	2.00E-06	6.77E-08	5.58E-07	1.22E-06	8.63E-08	7.18E-07	1.60E-06	9.99E-08	8.21E-07	1.82E-06	1.10E-07	8.70E-07	2.00E-06	8.70E-08	7.19E-07	1.58E-06
8,797	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.87E-07	2.00E-06	6.77E-08	5.58E-07	1.22E-06	8.63E-08	7.18E-07	1.60E-06	9.98E-08	8.20E-07	1.82E-06	1.10E-07	8.70E-07	2.00E-06	8.69E-08	7.19E-07	1.58E-06
8,798	1.36E-07	1.11E-06	2.43E-06	1.08E-07	8.87E-07	2.00E-06	6.77E-08	5.57E-07	1.22E-06	8.63E-08	7.18E-07	1.60E-06	9.97E-08	8.19E-07	1.82E-06	1.10E-07	8.70E-07	2.00E-06	8.67E-08	7.19E-07	1.57E-06
8,799	1.36E-07	1.11E-06	2.42E-06	1.08E-07	8.87E-07	1.99E-06	6.76E-08	5.56E-07	1.22E-06	8.62E-08	7.18E-07	1.60E-06	9.97E-08	8.19E-07	1.82E-06	1.10E-07	8.69E-07	2.00E-06	8.67E-08	7.19E-07	1.57E-06
8,800	1.36E-07	1.11E-06	2.42E-06	1.08E-07	8.86E-07	1.99E-06	6.76E-08	5.55E-07	1.22E-06	8.62E-08	7.17E-07	1.60E-06	9.95E-08	8.17E-07	1.82E-06	1.10E-07	8.68E-07	2.00E-06	8.66E-08	7.18E-07	1.57E-06
8,801	1.36E-07	1.11E-06	2.42E-06	1.08E-07	8.85E-07	1.99E-06	6.76E-08	5.55E-07	1.22E-06	8.61E-08	7.16E-07	1.60E-06	9.95E-08	8.17E-07	1.82E-06	1.10E-07	8.68E-07	2.00E-06	8.65E-08	7.18E-07	1.57E-06
8,802	1.35E-07	1.10E-06	2.42E-06	1.08E-07	8.85E-07	1.99E-06	6.75E-08	5.55E-07	1.22E-06	8.61E-08	7.16E-07	1.60E-06	9.94E-08	8.17E-07	1.81E-06	1.09E-07	8.68E-07	2.00E-06	8.65E-08	7.17E-07	1.57E-06
8,803	1.35E-07	1.10E-06	2.42E-06	1.08E-07	8.85E-07	1.99E-06	6.75E-08	5.55E-07	1.22E-06	8.61E-08	7.16E-07	1.60E-06	9.93E-08	8.17E-07	1.81E-06	1.09E-07	8.68E-07	2.00E-06	8.64E-08	7.16E-07	1.57E-06
8,804	1.35E-07	1.10E-06	2.42E-06	1.08E-07	8.83E-07	1.99E-06	6.74E-08	5.55E-07	1.22E-06	8.61E-08	7.15E-07	1.60E-06	9.93E-08	8.16E-07	1.81E-06	1.09E-07	8.66E-07	2.00E-06	8.64E-08	7.16E-07	1.57E-06
8,805	1.35E-07	1.10E-06	2.42E-06	1.08E-07	8.82E-07	1.99E-06	6.74E-08	5.54E-07	1.22E-06	8.59E-08	7.15E-07	1.60E-06	9.93E-08	8.15E-07	1.81E-06	1.09E-07	8.65E-07	1.99E-06	8.64E-08	7.16E-07	1.57E-06
8,806	1.35E-07	1.10E-06	2.42E-06	1.08E-07	8.81E-07	1.99E-06	6.73E-08	5.54E-07	1.22E-06	8.56E-08	7.15E-07	1.60E-06	9.93E-08	8.14E-07	1.81E-06	1.09E-07	8.65E-07	1.99E-06	8.64E-08	7.16E-07	1.57E-06
8,807	1.35E-07	1.10E-06	2.41E-06	1.08E-07	8.79E-07	1.99E-06	6.72E-08	5.53E-07	1.22E-06	8.55E-08	7.15E-07	1.59E-06	9.92E-08	8.14E-07	1.81E-06	1.09E-07	8.65E-07	1.99E-06	8.63E-08	7.15E-07	1.57E-06
8,808	1.35E-07	1.10E-06	2.41E-06	1.08E-07	8.79E-07	1.98E-06	6.71E-08	5.53E-07	1.22E-06	8.55E-08	7.14E-07	1.59E-06	9.92E-08	8.14E-07	1.80E-06	1.09E-07	8.64E-07	1.99E-06	8.63E-08	7.15E-07	1.57E-06
8,809	1.35E-07	1.10E-06	2.41E-06	1.07E-07	8.79E-07	1.98E-06	6.71E-08	5.53E-07	1.21E-06	8.55E-08	7.13E-07	1.59E-06	9.92E-08	8.14E-07	1.80E-06	1.09E-07	8.64E-07	1.99E-06	8.63E-08	7.15E-07	1.56E-06
8,810	1.34E-07	1.10E-06	2.41E-06	1.07E-07	8.78E-07	1.98E-06	6.71E-08	5.52E-07	1.21E-06	8.55E-08	7.13E-07	1.59E-06	9.92E-08	8.11E-07	1.80E-06	1.09E-07	8.64E-07	1.99E-06	8.60E-08	7.15E-07	1.56E-06
8,811	1.34E-07	1.10E-06	2.41E-06	1.07E-07	8.78E-07	1.98E-06	6.71E-08	5.52E-07	1.21E-06	8.54E-08	7.13E-07	1.59E-06	9.91E-08	8.10E-07	1.80E-06	1.09E-07	8.63E-07	1.99E-06	8.60E-08	7.15E-07	1.56E-06
8,812	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.77E-07	1.98E-06	6.71E-08	5.52E-07	1.21E-06	8.53E-08	7.13E-07	1.59E-06	9.90E-08	8.10E-07	1.80E-06	1.09E-07	8.63E-07	1.99E-06	8.59E-08	7.14E-07	1.56E-06
8,813	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.76E-07	1.98E-06	6.71E-08	5.51E-07	1.21E-06	8.53E-08	7.13E-07	1.59E-06	9.90E-08	8.09E-07	1.80E-06	1.09E-07	8.63E-07	1.99E-06	8.57E-08	7.13E-07	1.56E-06
8,814	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.75E-07	1.98E-06	6.71E-08	5.51E-07	1.21E-06	8.53E-08	7.13E-07	1.59E-06	9.90E-08	8.09E-07	1.80E-06	1.08E-07	8.62E-07	1.99E-06	8.56E-08	7.13E-07	1.56E-06
8,815	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.75E-07	1.98E-06	6.70E-08	5.51E-07	1.21E-06	8.53E-08	7.13E-07	1.59E-06	9.89E-08	8.09E-07	1.80E-06	1.08E-07	8.62E-07	1.99E-06	8.56E-08	7.11E-07	1.56E-06
8,816	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.74E-07	1.98E-06	6.69E-08	5.51E-07	1.21E-06	8.53E-08	7.12E-07	1.58E-06	9.89E-08	8.08E-07	1.80E-06	1.08E-07	8.62E-07	1.98E-06	8.56E-08	7.11E-07	1.56E-06
8,817	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.74E-07	1.98E-06	6.68E-08	5.50E-07	1.21E-06	8.52E-08	7.12E-07	1.58E-06	9.87E-08	8.08E-07	1.79E-06	1.08E-07	8.62E-07	1.98E-06	8.56E-08	7.11E-07	1.56E-06
8,818	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.74E-07	1.97E-06	6.68E-08	5.50E-07	1.21E-06	8.51E-08	7.11E-07	1.58E-06	9.87E-08	8.08E-07	1.79E-06	1.08E-07	8.62E-07	1.98E-06	8.55E-08	7.11E-07	1.55E-06
8,819	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.74E-07	1.97E-06	6.68E-08	5.50E-07	1.21E-06	8.51E-08	7.10E-07	1.58E-06	9.86E-08	8.07E-07	1.79E-06	1.08E-07	8.61E-07	1.98E-06	8.54E-08	7.11E-07	1.55E-06
8,820	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.74E-07	1.97E-06	6.68E-08	5.49E-07	1.21E-06	8.50E-08	7.10E-07	1.58E-06	9.86E-08	8.06E-07	1.79E-06	1.08E-07	8.60E-07	1.97E-06	8.54E-08	7.11E-07	1.55E-06
8,821	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.73E-07	1.97E-06	6.67E-08	5.49E-07	1.21E-06	8.50E-08	7.10E-07	1.58E-06	9.86E-08	8.06E-07	1.79E-06	1.08E-07	8.59E-07	1.97E-06	8.54E-08	7.11E-07	1.55E-06
8,822	1.34E-07	1.10E-06	2.40E-06	1.07E-07	8.72E-07	1.97E-06	6.67E-08	5.48E-07	1.21E-06	8.49E-08	7.10E-07	1.58E-06	9.85E-08	8.06E-07	1.79E-06	1.08E-07	8.59E-07	1.97E-06	8.53E-08	7.10E-07	1.55E-06
8,823	1.34E-07	1.10E-06	2.39E-06	1.07E-07	8.72E-07	1.97E-06	6.67E-08	5.48E-07	1.21E-06	8.49E-08	7.10E-07	1.58E-06	9.85E-08	8.05E-07	1.79E-06	1.08E-07	8.59E-07	1.97E-06	8.52E-08	7.09E-07	1.55E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,844	1.32E-07	1.08E-06	2.37E-06	1.06E-07	8.66E-07	1.94E-06	6.57E-08	5.42E-07	1.19E-06	8.35E-08	7.02E-07	1.56E-06	9.72E-08	7.95E-07	1.77E-06	1.07E-07	8.49E-07	1.94E-06	8.46E-08	7.00E-07	1.53E-06
8,845	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.66E-07	1.94E-06	6.56E-08	5.42E-07	1.19E-06	8.35E-08	7.02E-07	1.56E-06	9.71E-08	7.94E-07	1.77E-06	1.07E-07	8.49E-07	1.94E-06	8.46E-08	6.99E-07	1.53E-06
8,846	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.65E-07	1.94E-06	6.55E-08	5.42E-07	1.19E-06	8.35E-08	7.01E-07	1.56E-06	9.69E-08	7.94E-07	1.77E-06	1.06E-07	8.48E-07	1.94E-06	8.46E-08	6.98E-07	1.53E-06
8,847	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.65E-07	1.94E-06	6.55E-08	5.41E-07	1.19E-06	8.34E-08	7.00E-07	1.56E-06	9.68E-08	7.94E-07	1.77E-06	1.06E-07	8.48E-07	1.94E-06	8.45E-08	6.98E-07	1.53E-06
8,848	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.65E-07	1.94E-06	6.54E-08	5.41E-07	1.19E-06	8.33E-08	7.00E-07	1.56E-06	9.68E-08	7.94E-07	1.77E-06	1.06E-07	8.48E-07	1.94E-06	8.45E-08	6.98E-07	1.52E-06
8,849	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.64E-07	1.94E-06	6.54E-08	5.41E-07	1.19E-06	8.32E-08	7.00E-07	1.56E-06	9.68E-08	7.94E-07	1.77E-06	1.06E-07	8.47E-07	1.94E-06	8.45E-08	6.98E-07	1.52E-06
8,850	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.63E-07	1.94E-06	6.52E-08	5.41E-07	1.19E-06	8.30E-08	7.00E-07	1.56E-06	9.68E-08	7.91E-07	1.77E-06	1.06E-07	8.47E-07	1.94E-06	8.44E-08	6.98E-07	1.52E-06
8,851	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.62E-07	1.94E-06	6.52E-08	5.41E-07	1.18E-06	8.30E-08	7.00E-07	1.56E-06	9.68E-08	7.91E-07	1.77E-06	1.06E-07	8.47E-07	1.93E-06	8.44E-08	6.97E-07	1.52E-06
8,852	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.62E-07	1.93E-06	6.52E-08	5.40E-07	1.18E-06	8.30E-08	7.00E-07	1.56E-06	9.68E-08	7.90E-07	1.76E-06	1.06E-07	8.47E-07	1.93E-06	8.43E-08	6.96E-07	1.52E-06
8,853	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.61E-07	1.93E-06	6.52E-08	5.40E-07	1.18E-06	8.29E-08	6.98E-07	1.56E-06	9.67E-08	7.90E-07	1.76E-06	1.06E-07	8.47E-07	1.93E-06	8.43E-08	6.96E-07	1.52E-06
8,854	1.32E-07	1.08E-06	2.36E-06	1.06E-07	8.61E-07	1.93E-06	6.51E-08	5.40E-07	1.18E-06	8.28E-08	6.97E-07	1.55E-06	9.65E-08	7.90E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.43E-08	6.96E-07	1.52E-06
8,855	1.31E-07	1.08E-06	2.35E-06	1.05E-07	8.60E-07	1.93E-06	6.51E-08	5.39E-07	1.18E-06	8.28E-08	6.96E-07	1.55E-06	9.64E-08	7.90E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.43E-08	6.95E-07	1.51E-06
8,856	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.59E-07	1.93E-06	6.51E-08	5.39E-07	1.18E-06	8.27E-08	6.95E-07	1.55E-06	9.63E-08	7.89E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.42E-08	6.95E-07	1.51E-06
8,857	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.59E-07	1.93E-06	6.51E-08	5.39E-07	1.18E-06	8.27E-08	6.95E-07	1.55E-06	9.63E-08	7.89E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.42E-08	6.95E-07	1.51E-06
8,858	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.59E-07	1.93E-06	6.50E-08	5.38E-07	1.18E-06	8.26E-08	6.94E-07	1.55E-06	9.62E-08	7.89E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.42E-08	6.95E-07	1.51E-06
8,859	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.58E-07	1.93E-06	6.50E-08	5.38E-07	1.18E-06	8.26E-08	6.93E-07	1.55E-06	9.62E-08	7.89E-07	1.76E-06	1.06E-07	8.46E-07	1.92E-06	8.42E-08	6.94E-07	1.51E-06
8,860	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.58E-07	1.93E-06	6.50E-08	5.38E-07	1.18E-06	8.26E-08	6.93E-07	1.55E-06	9.61E-08	7.88E-07	1.76E-06	1.06E-07	8.45E-07	1.92E-06	8.42E-08	6.92E-07	1.51E-06
8,861	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.57E-07	1.93E-06	6.50E-08	5.38E-07	1.18E-06	8.26E-08	6.92E-07	1.55E-06	9.61E-08	7.88E-07	1.76E-06	1.06E-07	8.45E-07	1.92E-06	8.42E-08	6.92E-07	1.51E-06
8,862	1.31E-07	1.07E-06	2.35E-06	1.05E-07	8.57E-07	1.93E-06	6.50E-08	5.37E-07	1.18E-06	8.25E-08	6.92E-07	1.55E-06	9.61E-08	7.87E-07	1.76E-06	1.06E-07	8.45E-07	1.92E-06	8.41E-08	6.92E-07	1.51E-06
8,863	1.31E-07	1.07E-06	2.34E-06	1.05E-07	8.57E-07	1.93E-06	6.49E-08	5.36E-07	1.18E-06	8.25E-08	6.91E-07	1.54E-06	9.60E-08	7.86E-07	1.76E-06	1.06E-07	8.44E-07	1.91E-06	8.41E-08	6.92E-07	1.51E-06
8,864	1.30E-07	1.07E-06	2.34E-06	1.05E-07	8.56E-07	1.92E-06	6.49E-08	5.36E-07	1.18E-06	8.24E-08	6.91E-07	1.54E-06	9.60E-08	7.86E-07	1.75E-06	1.06E-07	8.43E-07	1.91E-06	8.41E-08	6.92E-07	1.51E-06
8,865	1.30E-07	1.07E-06	2.34E-06	1.05E-07	8.56E-07	1.92E-06	6.49E-08	5.36E-07	1.18E-06	8.24E-08	6.91E-07	1.54E-06	9.60E-08	7.86E-07	1.75E-06	1.06E-07	8.43E-07	1.91E-06	8.40E-08	6.91E-07	1.51E-06
8,866	1.30E-07	1.07E-06	2.34E-06	1.04E-07	8.55E-07	1.92E-06	6.49E-08	5.36E-07	1.18E-06	8.24E-08	6.91E-07	1.54E-06	9.60E-08	7.85E-07	1.75E-06	1.06E-07	8.43E-07	1.91E-06	8.40E-08	6.90E-07	1.50E-06
8,867	1.30E-07	1.07E-06	2.34E-06	1.04E-07	8.55E-07	1.92E-06	6.49E-08	5.36E-07	1.18E-06	8.24E-08	6.90E-07	1.54E-06	9.59E-08	7.85E-07	1.75E-06	1.06E-07	8.43E-07	1.91E-06	8.40E-08	6.89E-07	1.50E-06
8,868	1.30E-07	1.07E-06	2.34E-06	1.04E-07	8.54E-07	1.92E-06	6.48E-08	5.36E-07	1.18E-06	8.24E-08	6.90E-07	1.54E-06	9.59E-08	7.85E-07	1.75E-06	1.06E-07	8.43E-07	1.91E-06	8.39E-08	6.89E-07	1.50E-06
8,869	1.30E-07	1.07E-06	2.34E-06	1.04E-07	8.54E-07	1.92E-06	6.48E-08	5.36E-07	1.18E-06	8.23E-08	6.89E-07	1.54E-06	9.57E-08	7.84E-07	1.75E-06	1.06E-07	8.42E-07	1.91E-06	8.39E-08	6.89E-07	1.50E-06
8,870	1.30E-07	1.07E-06	2.34E-06	1.04E-07	8.54E-07	1.92E-06	6.48E-08	5.36E-07	1.18E-06	8.23E-08	6.89E-07	1.54E-06	9.57E-08	7.84E-07	1.75E-06	1.05E-07	8.40E-07	1.91E-06	8.39E-08	6.88E-07	1.50E-06
8,871	1.30E-07	1.06E-06	2.34E-06	1.04E-07	8.53E-07	1.92E-06	6.47E-08	5.36E-07	1.18E-06	8.23E-08	6.89E-07	1.54E-06	9.57E-08	7.83E-07	1.75E-06	1.05E-07	8.40E-07	1.91E-06	8.38E-08	6.88E-07	1.50E-06
8,872	1.30E-07	1.06E-06	2.34E-06	1.04E-07	8.53E-07	1.91E-06	6.47E-08	5.35E-07	1.18E-06	8.23E-08	6.88E-07	1.54E-06	9.55E-08	7.83E-07	1.75E-06	1.05E-07	8.39E-07	1.90E-06	8.38E-08	6.88E-07	1.50E-06
8,873	1.30E-07	1.06E-06	2.34E-06	1.04E-07	8.53E-07	1.91E-06	6.47E-08	5.35E-07	1.17E-06	8.22E-08	6.88E-07	1.54E-06	9.55E-08	7.82E-07	1.75E-06	1.05E-07	8.38E-07	1.90E-06	8.37E-08	6.87E-07	1.50E-06
8,874	1.30E-07	1.06E-06	2.34E-06	1.04E-07	8.52E-07	1.91E-06	6.46E-08	5.35E-07	1.17E-06	8.22E-08	6.88E-07	1.54E-06	9.54E-08	7.82E-07	1.75E-06	1.05E-07	8.38E-07	1.90E-06	8.37E-08	6.86E-07	1.50E-06
8,875	1.30E-07	1.06E-06	2.33E-06	1.04E-07	8.51E-07	1.91E-06	6.46E-08	5.35E-07	1.17E-06	8.22E-08	6.88E-07	1.54E-06	9.54E-08	7.82E-07	1.75E-06	1.05E-07	8.38E-07	1.90E-06	8.36E-08	6.86E-07	1.50E-06
8,876	1.30E-07	1.06E-06	2.33E-06	1.04E-07	8.51E-07	1.91E-06	6.46E-08	5.34E-07	1.17E-06	8.22E-08	6.88E-07	1.54E-06	9.52E-08	7.82E-07	1.75E-06	1.05E-07	8.38E-07	1.90E-06	8.35E-08	6.86E-07	1.50E-06
8,877	1.30E-07	1.06E-06	2.33E-06	1.04E-07	8.51E-07	1.91E-06	6.45E-08	5.33E-07	1.17E-06	8.20E-08	6.88E-07	1.53E-06	9.52E-08	7.81E-07	1.75E-06	1.05E-07	8.38E-07	1.90E-06	8.35E-08	6.86E-07	1.50E-06
8,878	1.30E-07	1.06E-06	2.33E-06	1.04E-07	8.50E-07	1.91E-06	6.44E-08	5.33E-07	1.17E-06	8.20E-08	6.87E-07	1.53E-06	9.51E-08	7.81E-07	1.75E-06	1.05E-07	8.37E-07	1.90E-06	8.35E-08	6.86E-07	1.50E-06
8,879	1.30E-07	1.06E-06	2.33E-06	1.04E-07	8.50E-07	1.91E-06	6.44E-08	5.33E-07	1.17E-06	8.19E-08	6.87E-07	1.53E-06	9.51E-08	7.81E-07	1.75E-06	1.05E-07	8.37E-07	1.90E-06	8.34E-08	6.86E-07	1.50E-06
8,880	1.30E-07	1.06E-06	2.33E-06	1.03E-07	8.50E-07	1.90E-06	6.44E-08	5.33E-07	1.17E-06	8.19E-08	6.87E-07	1.53E-06	9.51E-08	7.81E-07	1.75E-06	1.05E-07	8.37E-07	1.90E-06	8.34E-08	6.85E-07	1.49E-06
8,881	1.30E-07	1.06E-06	2.33E-06	1.03E-07	8.49E-07	1.90E-06	6.44E-08	5.33E-07	1.17E-06	8.18E-08	6.87E-07	1.53E-06	9.50E-08	7.80E-07	1.74E-06	1.05E-07	8.36E-07	1.90E-06	8.34E-08	6.84E-07	1.49E-06
8,882	1.30E-07	1.06E-06	2.33E-06	1.03E-07	8.49E-07	1.90E-06	6.44E-08	5.32E-07	1.17E-06	8.18E-08	6.86E-07	1.53E-06	9.49E-08	7.80E-07	1.74E-06	1.05E-07	8.36E-07	1.90E-06	8.34E-08	6.84E-07	1.49E-06
8,883	1.29E-07	1.05E-06	2.33E-06	1.03E-07	8.49E-07	1.90E-06	6.43E-08	5.32E-07	1.17E-06	8.17E-08	6.86E-07	1.53E-06	9.48E-08	7.80E-07	1.74E-06	1.05E-07	8.35E-07	1.90E-06	8.34E-08	6.83E-07	1.49E-06
8,884	1.29E-07	1.05E-06	2.33E-06	1.03E-07	8.49E-07	1.90E-06	6.43E-08	5.32E-07	1.17E-06	8.17E-08	6.86E-07	1.53E-06	9.48E-08	7.79E-07	1.74E-06	1.05E-07	8.35E-07	1.90E-06	8.33E-08	6.83E-07	1.49E-06
8,885	1.29E-07	1.05E-06	2.33E-06	1.03E-07	8.48E-07	1.90E-06	6.43E-08	5.32E-07	1.17E-06	8.17E-08	6.85E-07	1.53E-06	9.45E-08	7.79E-07	1.74E-06	1.04E-07	8.34E-07	1.89E-06	8.33E-08	6.82E-07	1.49E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,906	1.28E-07	1.04E-06	2.30E-06	1.02E-07	8.37E-07	1.87E-06	6.36E-08	5.24E-07	1.16E-06	8.06E-08	6.79E-07	1.51E-06	9.33E-08	7.72E-07	1.72E-06	1.03E-07	8.26E-07	1.86E-06	8.22E-08	6.75E-07	1.47E-06
8,907	1.28E-07	1.04E-06	2.30E-06	1.02E-07	8.36E-07	1.87E-06	6.36E-08	5.24E-07	1.16E-06	8.06E-08	6.78E-07	1.51E-06	9.33E-08	7.71E-07	1.72E-06	1.03E-07	8.25E-07	1.86E-06	8.21E-08	6.74E-07	1.47E-06
8,908	1.28E-07	1.03E-06	2.29E-06	1.02E-07	8.35E-07	1.87E-06	6.35E-08	5.24E-07	1.16E-06	8.06E-08	6.77E-07	1.51E-06	9.32E-08	7.71E-07	1.72E-06	1.03E-07	8.25E-07	1.86E-06	8.21E-08	6.73E-07	1.47E-06
8,909	1.27E-07	1.03E-06	2.29E-06	1.02E-07	8.35E-07	1.87E-06	6.35E-08	5.23E-07	1.16E-06	8.04E-08	6.77E-07	1.50E-06	9.32E-08	7.71E-07	1.72E-06	1.03E-07	8.25E-07	1.86E-06	8.21E-08	6.73E-07	1.47E-06
8,910	1.27E-07	1.03E-06	2.29E-06	1.02E-07	8.35E-07	1.86E-06	6.35E-08	5.23E-07	1.16E-06	8.04E-08	6.77E-07	1.50E-06	9.32E-08	7.70E-07	1.71E-06	1.03E-07	8.24E-07	1.86E-06	8.20E-08	6.73E-07	1.47E-06
8,911	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.35E-07	1.86E-06	6.34E-08	5.23E-07	1.16E-06	8.03E-08	6.76E-07	1.50E-06	9.31E-08	7.69E-07	1.71E-06	1.03E-07	8.24E-07	1.86E-06	8.20E-08	6.73E-07	1.47E-06
8,912	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.34E-07	1.86E-06	6.34E-08	5.23E-07	1.16E-06	8.03E-08	6.76E-07	1.50E-06	9.31E-08	7.69E-07	1.71E-06	1.03E-07	8.23E-07	1.86E-06	8.20E-08	6.72E-07	1.47E-06
8,913	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.33E-07	1.85E-06	6.34E-08	5.23E-07	1.15E-06	8.02E-08	6.76E-07	1.50E-06	9.31E-08	7.68E-07	1.71E-06	1.03E-07	8.23E-07	1.86E-06	8.20E-08	6.72E-07	1.46E-06
8,914	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.33E-07	1.85E-06	6.33E-08	5.23E-07	1.15E-06	8.02E-08	6.75E-07	1.50E-06	9.29E-08	7.67E-07	1.71E-06	1.03E-07	8.22E-07	1.86E-06	8.19E-08	6.72E-07	1.46E-06
8,915	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.32E-07	1.85E-06	6.32E-08	5.23E-07	1.15E-06	8.01E-08	6.75E-07	1.50E-06	9.29E-08	7.67E-07	1.71E-06	1.03E-07	8.21E-07	1.85E-06	8.18E-08	6.72E-07	1.46E-06
8,916	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.32E-07	1.85E-06	6.32E-08	5.22E-07	1.15E-06	8.01E-08	6.74E-07	1.50E-06	9.28E-08	7.67E-07	1.71E-06	1.03E-07	8.21E-07	1.85E-06	8.18E-08	6.71E-07	1.46E-06
8,917	1.27E-07	1.03E-06	2.29E-06	1.01E-07	8.32E-07	1.85E-06	6.32E-08	5.22E-07	1.15E-06	8.00E-08	6.74E-07	1.50E-06	9.27E-08	7.66E-07	1.71E-06	1.02E-07	8.21E-07	1.85E-06	8.15E-08	6.71E-07	1.46E-06
8,918	1.26E-07	1.03E-06	2.29E-06	1.01E-07	8.31E-07	1.85E-06	6.31E-08	5.22E-07	1.15E-06	8.00E-08	6.73E-07	1.50E-06	9.27E-08	7.65E-07	1.71E-06	1.02E-07	8.20E-07	1.85E-06	8.14E-08	6.71E-07	1.46E-06
8,919	1.26E-07	1.03E-06	2.29E-06	1.01E-07	8.31E-07	1.84E-06	6.31E-08	5.22E-07	1.15E-06	8.00E-08	6.73E-07	1.50E-06	9.26E-08	7.63E-07	1.71E-06	1.02E-07	8.20E-07	1.85E-06	8.14E-08	6.70E-07	1.46E-06
8,920	1.26E-07	1.03E-06	2.28E-06	1.01E-07	8.31E-07	1.84E-06	6.31E-08	5.22E-07	1.15E-06	7.99E-08	6.73E-07	1.50E-06	9.25E-08	7.63E-07	1.71E-06	1.02E-07	8.19E-07	1.85E-06	8.14E-08	6.69E-07	1.46E-06
8,921	1.26E-07	1.03E-06	2.28E-06	1.01E-07	8.30E-07	1.84E-06	6.31E-08	5.22E-07	1.15E-06	7.98E-08	6.73E-07	1.50E-06	9.25E-08	7.62E-07	1.71E-06	1.02E-07	8.18E-07	1.85E-06	8.14E-08	6.69E-07	1.46E-06
8,922	1.26E-07	1.02E-06	2.28E-06	1.01E-07	8.30E-07	1.84E-06	6.30E-08	5.22E-07	1.15E-06	7.98E-08	6.73E-07	1.49E-06	9.25E-08	7.62E-07	1.71E-06	1.02E-07	8.18E-07	1.85E-06	8.14E-08	6.69E-07	1.46E-06
8,923	1.26E-07	1.02E-06	2.28E-06	1.01E-07	8.29E-07	1.84E-06	6.29E-08	5.21E-07	1.15E-06	7.96E-08	6.73E-07	1.49E-06	9.24E-08	7.61E-07	1.71E-06	1.02E-07	8.18E-07	1.85E-06	8.14E-08	6.68E-07	1.46E-06
8,924	1.26E-07	1.02E-06	2.28E-06	1.00E-07	8.29E-07	1.84E-06	6.28E-08	5.21E-07	1.15E-06	7.96E-08	6.72E-07	1.49E-06	9.24E-08	7.61E-07	1.71E-06	1.02E-07	8.17E-07	1.85E-06	8.14E-08	6.67E-07	1.46E-06
8,925	1.26E-07	1.02E-06	2.28E-06	1.00E-07	8.29E-07	1.83E-06	6.27E-08	5.21E-07	1.15E-06	7.96E-08	6.72E-07	1.49E-06	9.23E-08	7.60E-07	1.70E-06	1.02E-07	8.17E-07	1.85E-06	8.13E-08	6.66E-07	1.46E-06
8,926	1.26E-07	1.02E-06	2.28E-06	1.00E-07	8.28E-07	1.83E-06	6.27E-08	5.21E-07	1.15E-06	7.95E-08	6.72E-07	1.49E-06	9.22E-08	7.60E-07	1.70E-06	1.02E-07	8.17E-07	1.85E-06	8.13E-08	6.66E-07	1.45E-06
8,927	1.26E-07	1.02E-06	2.28E-06	1.00E-07	8.27E-07	1.83E-06	6.26E-08	5.21E-07	1.15E-06	7.95E-08	6.70E-07	1.49E-06	9.22E-08	7.60E-07	1.70E-06	1.02E-07	8.17E-07	1.85E-06	8.12E-08	6.66E-07	1.45E-06
8,928	1.26E-07	1.02E-06	2.27E-06	1.00E-07	8.26E-07	1.83E-06	6.26E-08	5.21E-07	1.14E-06	7.94E-08	6.69E-07	1.49E-06	9.22E-08	7.60E-07	1.70E-06	1.02E-07	8.17E-07	1.84E-06	8.11E-08	6.66E-07	1.45E-06
8,929	1.26E-07	1.02E-06	2.27E-06	1.00E-07	8.25E-07	1.83E-06	6.26E-08	5.20E-07	1.14E-06	7.94E-08	6.69E-07	1.49E-06	9.22E-08	7.60E-07	1.70E-06	1.02E-07	8.16E-07	1.84E-06	8.11E-08	6.66E-07	1.45E-06
8,930	1.26E-07	1.02E-06	2.27E-06	1.00E-07	8.24E-07	1.83E-06	6.26E-08	5.20E-07	1.14E-06	7.93E-08	6.69E-07	1.49E-06	9.21E-08	7.59E-07	1.70E-06	1.02E-07	8.15E-07	1.84E-06	8.10E-08	6.65E-07	1.45E-06
8,931	1.26E-07	1.02E-06	2.27E-06	1.00E-07	8.24E-07	1.83E-06	6.25E-08	5.19E-07	1.14E-06	7.92E-08	6.69E-07	1.49E-06	9.21E-08	7.59E-07	1.70E-06	1.02E-07	8.15E-07	1.84E-06	8.10E-08	6.65E-07	1.45E-06
8,932	1.26E-07	1.02E-06	2.27E-06	9.99E-08	8.24E-07	1.83E-06	6.24E-08	5.19E-07	1.14E-06	7.92E-08	6.69E-07	1.49E-06	9.21E-08	7.59E-07	1.70E-06	1.02E-07	8.14E-07	1.84E-06	8.09E-08	6.65E-07	1.45E-06
8,933	1.26E-07	1.02E-06	2.27E-06	9.99E-08	8.23E-07	1.83E-06	6.23E-08	5.19E-07	1.14E-06	7.92E-08	6.68E-07	1.49E-06	9.20E-08	7.57E-07	1.69E-06	1.02E-07	8.13E-07	1.84E-06	8.09E-08	6.65E-07	1.45E-06
8,934	1.26E-07	1.02E-06	2.27E-06	9.98E-08	8.22E-07	1.83E-06	6.23E-08	5.19E-07	1.14E-06	7.92E-08	6.68E-07	1.49E-06	9.19E-08	7.57E-07	1.69E-06	1.02E-07	8.13E-07	1.84E-06	8.08E-08	6.65E-07	1.45E-06
8,935	1.26E-07	1.02E-06	2.27E-06	9.97E-08	8.22E-07	1.82E-06	6.23E-08	5.19E-07	1.14E-06	7.92E-08	6.68E-07	1.48E-06	9.17E-08	7.56E-07	1.69E-06	1.02E-07	8.12E-07	1.84E-06	8.07E-08	6.64E-07	1.45E-06
8,936	1.25E-07	1.02E-06	2.27E-06	9.96E-08	8.22E-07	1.82E-06	6.23E-08	5.19E-07	1.14E-06	7.91E-08	6.68E-07	1.48E-06	9.17E-08	7.56E-07	1.69E-06	1.02E-07	8.12E-07	1.84E-06	8.06E-08	6.64E-07	1.45E-06
8,937	1.25E-07	1.02E-06	2.26E-06	9.96E-08	8.22E-07	1.82E-06	6.22E-08	5.18E-07	1.14E-06	7.91E-08	6.67E-07	1.48E-06	9.17E-08	7.56E-07	1.69E-06	1.01E-07	8.11E-07	1.84E-06	8.05E-08	6.64E-07	1.45E-06
8,938	1.25E-07	1.02E-06	2.26E-06	9.96E-08	8.21E-07	1.82E-06	6.22E-08	5.18E-07	1.14E-06	7.91E-08	6.67E-07	1.48E-06	9.17E-08	7.56E-07	1.69E-06	1.01E-07	8.10E-07	1.84E-06	8.04E-08	6.64E-07	1.45E-06
8,939	1.25E-07	1.02E-06	2.26E-06	9.95E-08	8.20E-07	1.82E-06	6.22E-08	5.18E-07	1.14E-06	7.91E-08	6.67E-07	1.48E-06	9.16E-08	7.56E-07	1.69E-06	1.01E-07	8.09E-07	1.84E-06	8.02E-08	6.64E-07	1.45E-06
8,940	1.25E-07	1.02E-06	2.26E-06	9.95E-08	8.20E-07	1.82E-06	6.22E-08	5.18E-07	1.14E-06	7.91E-08	6.67E-07	1.48E-06	9.16E-08	7.54E-07	1.69E-06	1.01E-07	8.08E-07	1.84E-06	8.02E-08	6.63E-07	1.45E-06
8,941	1.25E-07	1.02E-06	2.26E-06	9.95E-08	8.20E-07	1.82E-06	6.21E-08	5.17E-07	1.13E-06	7.90E-08	6.66E-07	1.48E-06	9.16E-08	7.53E-07	1.69E-06	1.01E-07	8.07E-07	1.83E-06	8.00E-08	6.63E-07	1.45E-06
8,942	1.25E-07	1.02E-06	2.26E-06	9.94E-08	8.19E-07	1.82E-06	6.21E-08	5.17E-07	1.13E-06	7.89E-08	6.66E-07	1.48E-06	9.16E-08	7.52E-07	1.69E-06	1.01E-07	8.07E-07	1.83E-06	8.00E-08	6.62E-07	1.45E-06
8,943	1.25E-07	1.02E-06	2.26E-06	9.92E-08	8.19E-07	1.82E-06	6.20E-08	5.17E-07	1.13E-06	7.88E-08	6.66E-07	1.48E-06	9.16E-08	7.52E-07	1.69E-06	1.01E-07	8.06E-07	1.83E-06	7.99E-08	6.62E-07	1.45E-06
8,944	1.25E-07	1.02E-06	2.25E-06	9.92E-08	8.18E-07	1.82E-06	6.20E-08	5.17E-07	1.13E-06	7.87E-08	6.65E-07	1.48E-06	9.15E-08	7.52E-07	1.69E-06	1.01E-07	8.06E-07	1.83E-06	7.99E-08	6.62E-07	1.44E-06
8,945	1.25E-07	1.02E-06	2.25E-06	9.91E-08	8.18E-07	1.82E-06	6.20E-08	5.17E-07	1.13E-06	7.87E-08	6.65E-07	1.48E-06	9.15E-08	7.51E-07	1.69E-06	1.01E-07	8.06E-07	1.83E-06	7.98E-08	6.62E-07	1.44E-06
8,946	1.25E-07	1.02E-06	2.25E-06	9.91E-08	8.18E-07	1.82E-06	6.20E-08	5.16E-07	1.13E-06	7.86E-08	6.65E-07	1.47E-06	9.15E-08	7.51E-07	1.69E-06	1.01E-07	8.05E-07	1.83E-06	7.98E-08	6.62E-07	1.44E-06
8,947	1.24E-07	1.02E-06	2.25E-06	9.91E-08	8.16E-07	1.82E-06	6.20E-08	5.16E-07	1.13E-06	7.84E-08	6.64E-07	1.47E-06	9.14E-08	7.50E-07	1.69E-06	1.01E-07	8.05E-07	1.83E-06	7.95E-08	6.62E-07	1.44E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,968	1.22E-07	1.00E-06	2.22E-06	9.78E-08	8.06E-07	1.79E-06	6.07E-08	5.09E-07	1.12E-06	7.77E-08	6.56E-07	1.46E-06	8.99E-08	7.40E-07	1.66E-06	9.98E-08	7.97E-07	1.80E-06	7.84E-08	6.56E-07	1.43E-06
8,969	1.22E-07	1.00E-06	2.22E-06	9.78E-08	8.06E-07	1.79E-06	6.07E-08	5.09E-07	1.12E-06	7.76E-08	6.55E-07	1.46E-06	8.98E-08	7.40E-07	1.66E-06	9.97E-08	7.97E-07	1.80E-06	7.83E-08	6.55E-07	1.43E-06
8,970	1.22E-07	1.00E-06	2.22E-06	9.76E-08	8.06E-07	1.79E-06	6.07E-08	5.09E-07	1.12E-06	7.76E-08	6.54E-07	1.46E-06	8.98E-08	7.39E-07	1.66E-06	9.96E-08	7.97E-07	1.80E-06	7.83E-08	6.55E-07	1.43E-06
8,971	1.22E-07	1.00E-06	2.22E-06	9.75E-08	8.05E-07	1.78E-06	6.07E-08	5.08E-07	1.12E-06	7.75E-08	6.54E-07	1.46E-06	8.97E-08	7.39E-07	1.65E-06	9.96E-08	7.96E-07	1.80E-06	7.83E-08	6.54E-07	1.43E-06
8,972	1.22E-07	9.98E-07	2.21E-06	9.75E-08	8.05E-07	1.78E-06	6.06E-08	5.08E-07	1.12E-06	7.75E-08	6.54E-07	1.46E-06	8.97E-08	7.39E-07	1.65E-06	9.95E-08	7.96E-07	1.80E-06	7.83E-08	6.54E-07	1.43E-06
8,973	1.22E-07	9.98E-07	2.21E-06	9.75E-08	8.05E-07	1.78E-06	6.06E-08	5.08E-07	1.12E-06	7.75E-08	6.54E-07	1.45E-06	8.97E-08	7.39E-07	1.65E-06	9.94E-08	7.95E-07	1.80E-06	7.82E-08	6.53E-07	1.43E-06
8,974	1.22E-07	9.97E-07	2.21E-06	9.75E-08	8.05E-07	1.78E-06	6.06E-08	5.08E-07	1.12E-06	7.74E-08	6.53E-07	1.45E-06	8.96E-08	7.39E-07	1.65E-06	9.94E-08	7.95E-07	1.80E-06	7.82E-08	6.53E-07	1.43E-06
8,975	1.22E-07	9.97E-07	2.21E-06	9.75E-08	8.05E-07	1.78E-06	6.06E-08	5.07E-07	1.12E-06	7.74E-08	6.53E-07	1.45E-06	8.96E-08	7.38E-07	1.64E-06	9.94E-08	7.95E-07	1.80E-06	7.81E-08	6.53E-07	1.43E-06
8,976	1.21E-07	9.96E-07	2.21E-06	9.74E-08	8.05E-07	1.78E-06	6.05E-08	5.07E-07	1.12E-06	7.73E-08	6.52E-07	1.45E-06	8.94E-08	7.38E-07	1.64E-06	9.93E-08	7.94E-07	1.80E-06	7.81E-08	6.52E-07	1.42E-06
8,977	1.21E-07	9.95E-07	2.21E-06	9.74E-08	8.04E-07	1.78E-06	6.04E-08	5.07E-07	1.12E-06	7.72E-08	6.52E-07	1.45E-06	8.94E-08	7.38E-07	1.64E-06	9.91E-08	7.94E-07	1.80E-06	7.81E-08	6.52E-07	1.42E-06
8,978	1.21E-07	9.93E-07	2.21E-06	9.74E-08	8.04E-07	1.77E-06	6.04E-08	5.07E-07	1.12E-06	7.72E-08	6.51E-07	1.45E-06	8.93E-08	7.37E-07	1.64E-06	9.89E-08	7.94E-07	1.80E-06	7.80E-08	6.52E-07	1.42E-06
8,979	1.21E-07	9.93E-07	2.21E-06	9.74E-08	8.04E-07	1.77E-06	6.03E-08	5.07E-07	1.12E-06	7.72E-08	6.51E-07	1.45E-06	8.92E-08	7.37E-07	1.64E-06	9.88E-08	7.94E-07	1.79E-06	7.79E-08	6.51E-07	1.42E-06
8,980	1.21E-07	9.93E-07	2.21E-06	9.73E-08	8.03E-07	1.77E-06	6.03E-08	5.07E-07	1.12E-06	7.72E-08	6.50E-07	1.45E-06	8.92E-08	7.36E-07	1.64E-06	9.87E-08	7.93E-07	1.79E-06	7.79E-08	6.50E-07	1.42E-06
8,981	1.21E-07	9.92E-07	2.21E-06	9.73E-08	8.02E-07	1.77E-06	6.02E-08	5.06E-07	1.12E-06	7.72E-08	6.50E-07	1.45E-06	8.91E-08	7.36E-07	1.64E-06	9.87E-08	7.92E-07	1.79E-06	7.79E-08	6.50E-07	1.42E-06
8,982	1.21E-07	9.91E-07	2.21E-06	9.73E-08	8.02E-07	1.77E-06	6.02E-08	5.05E-07	1.11E-06	7.71E-08	6.50E-07	1.45E-06	8.90E-08	7.35E-07	1.64E-06	9.86E-08	7.92E-07	1.79E-06	7.79E-08	6.50E-07	1.42E-06
8,983	1.21E-07	9.90E-07	2.20E-06	9.73E-08	8.01E-07	1.77E-06	6.02E-08	5.04E-07	1.11E-06	7.71E-08	6.50E-07	1.45E-06	8.90E-08	7.35E-07	1.64E-06	9.86E-08	7.91E-07	1.79E-06	7.77E-08	6.49E-07	1.42E-06
8,984	1.21E-07	9.90E-07	2.20E-06	9.70E-08	8.01E-07	1.77E-06	6.02E-08	5.03E-07	1.11E-06	7.71E-08	6.50E-07	1.45E-06	8.89E-08	7.34E-07	1.64E-06	9.85E-08	7.91E-07	1.79E-06	7.75E-08	6.49E-07	1.42E-06
8,985	1.21E-07	9.89E-07	2.20E-06	9.70E-08	8.01E-07	1.77E-06	6.01E-08	5.03E-07	1.11E-06	7.70E-08	6.49E-07	1.45E-06	8.88E-08	7.32E-07	1.64E-06	9.85E-08	7.90E-07	1.79E-06	7.75E-08	6.49E-07	1.42E-06
8,986	1.21E-07	9.89E-07	2.20E-06	9.69E-08	7.99E-07	1.76E-06	6.01E-08	5.02E-07	1.11E-06	7.69E-08	6.49E-07	1.45E-06	8.86E-08	7.31E-07	1.63E-06	9.85E-08	7.88E-07	1.79E-06	7.74E-08	6.48E-07	1.42E-06
8,987	1.21E-07	9.88E-07	2.20E-06	9.69E-08	7.98E-07	1.76E-06	6.00E-08	5.02E-07	1.11E-06	7.69E-08	6.49E-07	1.45E-06	8.85E-08	7.31E-07	1.63E-06	9.84E-08	7.88E-07	1.79E-06	7.74E-08	6.47E-07	1.42E-06
8,988	1.21E-07	9.87E-07	2.19E-06	9.68E-08	7.98E-07	1.76E-06	6.00E-08	5.01E-07	1.11E-06	7.68E-08	6.48E-07	1.45E-06	8.84E-08	7.31E-07	1.63E-06	9.84E-08	7.88E-07	1.79E-06	7.74E-08	6.46E-07	1.42E-06
8,989	1.20E-07	9.86E-07	2.19E-06	9.68E-08	7.97E-07	1.76E-06	6.00E-08	5.01E-07	1.11E-06	7.68E-08	6.48E-07	1.45E-06	8.84E-08	7.31E-07	1.63E-06	9.82E-08	7.88E-07	1.79E-06	7.74E-08	6.46E-07	1.42E-06
8,990	1.20E-07	9.85E-07	2.19E-06	9.68E-08	7.96E-07	1.76E-06	6.00E-08	5.00E-07	1.11E-06	7.67E-08	6.47E-07	1.44E-06	8.84E-08	7.31E-07	1.63E-06	9.82E-08	7.87E-07	1.79E-06	7.73E-08	6.46E-07	1.42E-06
8,991	1.20E-07	9.85E-07	2.19E-06	9.65E-08	7.96E-07	1.76E-06	5.99E-08	5.00E-07	1.10E-06	7.67E-08	6.47E-07	1.44E-06	8.84E-08	7.30E-07	1.63E-06	9.81E-08	7.87E-07	1.79E-06	7.73E-08	6.46E-07	1.41E-06
8,992	1.20E-07	9.85E-07	2.19E-06	9.65E-08	7.96E-07	1.76E-06	5.99E-08	5.00E-07	1.10E-06	7.66E-08	6.47E-07	1.44E-06	8.83E-08	7.30E-07	1.63E-06	9.79E-08	7.86E-07	1.78E-06	7.72E-08	6.46E-07	1.41E-06
8,993	1.20E-07	9.84E-07	2.19E-06	9.64E-08	7.96E-07	1.76E-06	5.99E-08	4.99E-07	1.10E-06	7.65E-08	6.47E-07	1.44E-06	8.83E-08	7.30E-07	1.63E-06	9.79E-08	7.86E-07	1.78E-06	7.72E-08	6.45E-07	1.41E-06
8,994	1.20E-07	9.84E-07	2.19E-06	9.62E-08	7.96E-07	1.76E-06	5.99E-08	4.99E-07	1.10E-06	7.65E-08	6.47E-07	1.44E-06	8.83E-08	7.30E-07	1.63E-06	9.79E-08	7.84E-07	1.78E-06	7.71E-08	6.45E-07	1.41E-06
8,995	1.20E-07	9.83E-07	2.19E-06	9.62E-08	7.96E-07	1.76E-06	5.99E-08	4.98E-07	1.10E-06	7.65E-08	6.47E-07	1.44E-06	8.83E-08	7.29E-07	1.62E-06	9.78E-08	7.84E-07	1.78E-06	7.70E-08	6.45E-07	1.41E-06
8,996	1.20E-07	9.82E-07	2.19E-06	9.61E-08	7.95E-07	1.76E-06	5.98E-08	4.98E-07	1.10E-06	7.65E-08	6.47E-07	1.44E-06	8.81E-08	7.28E-07	1.62E-06	9.76E-08	7.83E-07	1.78E-06	7.70E-08	6.44E-07	1.41E-06
8,997	1.20E-07	9.82E-07	2.18E-06	9.61E-08	7.95E-07	1.75E-06	5.98E-08	4.97E-07	1.10E-06	7.63E-08	6.47E-07	1.44E-06	8.80E-08	7.28E-07	1.62E-06	9.76E-08	7.82E-07	1.77E-06	7.70E-08	6.44E-07	1.41E-06
8,998	1.20E-07	9.82E-07	2.18E-06	9.60E-08	7.95E-07	1.75E-06	5.98E-08	4.97E-07	1.10E-06	7.62E-08	6.46E-07	1.43E-06	8.80E-08	7.28E-07	1.62E-06	9.76E-08	7.82E-07	1.77E-06	7.69E-08	6.44E-07	1.41E-06
8,999	1.20E-07	9.81E-07	2.18E-06	9.60E-08	7.94E-07	1.75E-06	5.98E-08	4.97E-07	1.10E-06	7.62E-08	6.46E-07	1.43E-06	8.80E-08	7.28E-07	1.62E-06	9.76E-08	7.82E-07	1.77E-06	7.69E-08	6.44E-07	1.41E-06
9,000	1.20E-07	9.81E-07	2.18E-06	9.60E-08	7.94E-07	1.75E-06	5.97E-08	4.97E-07	1.10E-06	7.62E-08	6.45E-07	1.43E-06	8.79E-08	7.28E-07	1.62E-06	9.75E-08	7.81E-07	1.77E-06	7.69E-08	6.42E-07	1.41E-06
9,001	1.20E-07	9.79E-07	2.18E-06	9.59E-08	7.93E-07	1.75E-06	5.97E-08	4.97E-07	1.10E-06	7.62E-08	6.45E-07	1.43E-06	8.79E-08	7.28E-07	1.62E-06	9.73E-08	7.80E-07	1.76E-06	7.69E-08	6.42E-07	1.41E-06
9,002	1.20E-07	9.79E-07	2.18E-06	9.59E-08	7.93E-07	1.75E-06	5.96E-08	4.97E-07	1.10E-06	7.61E-08	6.45E-07	1.43E-06	8.78E-08	7.27E-07	1.62E-06	9.73E-08	7.79E-07	1.76E-06	7.69E-08	6.42E-07	1.41E-06
9,003	1.20E-07	9.78E-07	2.18E-06	9.58E-08	7.93E-07	1.74E-06	5.96E-08	4.96E-07	1.10E-06	7.60E-08	6.45E-07	1.43E-06	8.78E-08	7.27E-07	1.62E-06	9.72E-08	7.78E-07	1.76E-06	7.68E-08	6.40E-07	1.41E-06
9,004	1.19E-07	9.78E-07	2.18E-06	9.57E-08	7.93E-07	1.74E-06	5.96E-08	4.96E-07	1.10E-06	7.59E-08	6.44E-07	1.43E-06	8.77E-08	7.27E-07	1.62E-06	9.71E-08	7.77E-07	1.76E-06	7.68E-08	6.40E-07	1.41E-06
9,005	1.19E-07	9.78E-07	2.18E-06	9.57E-08	7.91E-07	1.74E-06	5.95E-08	4.96E-07	1.10E-06	7.57E-08	6.44E-07	1.43E-06	8.76E-08	7.26E-07	1.62E-06	9.71E-08	7.76E-07	1.76E-06	7.68E-08	6.40E-07	1.40E-06
9,006	1.19E-07	9.77E-07	2.18E-06	9.54E-08	7.91E-07	1.74E-06	5.95E-08	4.96E-07	1.10E-06	7.56E-08	6.44E-07	1.43E-06	8.76E-08	7.26E-07	1.62E-06	9.70E-08	7.76E-07	1.76E-06	7.68E-08	6.39E-07	1.40E-06
9,007	1.19E-07	9.77E-07	2.18E-06	9.52E-08	7.91E-07	1.74E-06	5.95E-08	4.96E-07	1.10E-06	7.55E-08	6.44E-07	1.43E-06	8.75E-08	7.25E-07	1.62E-06	9.69E-08	7.74E-07	1.76E-06	7.68E-08	6.39E-07	1.40E-06
9,008	1.19E-07	9.76E-07	2.18E-06	9.52E-08	7.90E-07	1.74E-06	5.94E-08	4.96E-07	1.10E-06	7.54E-08	6.42E-07	1.43E-06	8.75E-08	7.25E-07	1.62E-06	9.69E-08	7.73E-07	1.76E-06	7.67E-08	6.39E-07	1.40E-06
9,009	1.19E-07	9.76E-07	2.18E-06	9.52E-08	7.90E-07	1.74E-06	5.93E-08	4.96E-07	1.09E-06	7.54E-08	6.42E-07	1.43E-06	8.75E-08	7.25E-07	1.62E-06	9.69E-08	7.73E-07	1.76E-06	7.67E-08	6.38E-07	1.40E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,030	1.17E-07	9.61E-07	2.16E-06	9.35E-08	7.79E-07	1.72E-06	5.84E-08	4.92E-07	1.08E-06	7.42E-08	6.34E-07	1.40E-06	8.61E-08	7.15E-07	1.59E-06	9.52E-08	7.62E-07	1.74E-06	7.51E-08	6.30E-07	1.38E-06
9,031	1.17E-07	9.60E-07	2.15E-06	9.35E-08	7.78E-07	1.72E-06	5.84E-08	4.91E-07	1.08E-06	7.42E-08	6.34E-07	1.40E-06	8.61E-08	7.14E-07	1.59E-06	9.52E-08	7.62E-07	1.74E-06	7.51E-08	6.30E-07	1.38E-06
9,032	1.17E-07	9.59E-07	2.15E-06	9.34E-08	7.78E-07	1.72E-06	5.83E-08	4.91E-07	1.08E-06	7.42E-08	6.33E-07	1.40E-06	8.60E-08	7.14E-07	1.59E-06	9.52E-08	7.61E-07	1.74E-06	7.50E-08	6.30E-07	1.38E-06
9,033	1.17E-07	9.59E-07	2.15E-06	9.34E-08	7.77E-07	1.72E-06	5.83E-08	4.91E-07	1.08E-06	7.42E-08	6.31E-07	1.40E-06	8.59E-08	7.13E-07	1.59E-06	9.52E-08	7.61E-07	1.73E-06	7.49E-08	6.29E-07	1.37E-06
9,034	1.17E-07	9.59E-07	2.15E-06	9.34E-08	7.77E-07	1.72E-06	5.82E-08	4.91E-07	1.08E-06	7.41E-08	6.31E-07	1.39E-06	8.59E-08	7.12E-07	1.58E-06	9.51E-08	7.61E-07	1.73E-06	7.49E-08	6.29E-07	1.37E-06
9,035	1.17E-07	9.56E-07	2.15E-06	9.33E-08	7.77E-07	1.72E-06	5.81E-08	4.91E-07	1.07E-06	7.41E-08	6.31E-07	1.39E-06	8.59E-08	7.11E-07	1.58E-06	9.51E-08	7.60E-07	1.73E-06	7.49E-08	6.28E-07	1.37E-06
9,036	1.17E-07	9.56E-07	2.15E-06	9.32E-08	7.77E-07	1.72E-06	5.81E-08	4.91E-07	1.07E-06	7.41E-08	6.30E-07	1.39E-06	8.59E-08	7.10E-07	1.58E-06	9.51E-08	7.60E-07	1.73E-06	7.49E-08	6.28E-07	1.37E-06
9,037	1.17E-07	9.55E-07	2.14E-06	9.29E-08	7.76E-07	1.72E-06	5.80E-08	4.91E-07	1.07E-06	7.41E-08	6.30E-07	1.39E-06	8.58E-08	7.10E-07	1.58E-06	9.50E-08	7.60E-07	1.73E-06	7.48E-08	6.27E-07	1.37E-06
9,038	1.17E-07	9.55E-07	2.14E-06	9.28E-08	7.76E-07	1.72E-06	5.79E-08	4.91E-07	1.07E-06	7.40E-08	6.30E-07	1.39E-06	8.58E-08	7.10E-07	1.58E-06	9.50E-08	7.59E-07	1.73E-06	7.45E-08	6.26E-07	1.37E-06
9,039	1.17E-07	9.54E-07	2.14E-06	9.28E-08	7.76E-07	1.71E-06	5.78E-08	4.90E-07	1.07E-06	7.40E-08	6.29E-07	1.39E-06	8.58E-08	7.09E-07	1.58E-06	9.49E-08	7.59E-07	1.72E-06	7.45E-08	6.26E-07	1.37E-06
9,040	1.17E-07	9.54E-07	2.13E-06	9.28E-08	7.74E-07	1.71E-06	5.78E-08	4.90E-07	1.07E-06	7.39E-08	6.29E-07	1.39E-06	8.57E-08	7.08E-07	1.58E-06	9.49E-08	7.58E-07	1.72E-06	7.45E-08	6.26E-07	1.37E-06
9,041	1.17E-07	9.53E-07	2.13E-06	9.27E-08	7.73E-07	1.71E-06	5.78E-08	4.90E-07	1.06E-06	7.39E-08	6.29E-07	1.39E-06	8.57E-08	7.08E-07	1.58E-06	9.49E-08	7.56E-07	1.72E-06	7.44E-08	6.25E-07	1.37E-06
9,042	1.17E-07	9.53E-07	2.13E-06	9.27E-08	7.73E-07	1.71E-06	5.77E-08	4.90E-07	1.06E-06	7.38E-08	6.29E-07	1.39E-06	8.57E-08	7.08E-07	1.58E-06	9.47E-08	7.56E-07	1.72E-06	7.44E-08	6.24E-07	1.37E-06
9,043	1.17E-07	9.53E-07	2.13E-06	9.27E-08	7.72E-07	1.71E-06	5.77E-08	4.87E-07	1.06E-06	7.37E-08	6.29E-07	1.39E-06	8.56E-08	7.07E-07	1.58E-06	9.47E-08	7.56E-07	1.72E-06	7.43E-08	6.23E-07	1.36E-06
9,044	1.16E-07	9.52E-07	2.13E-06	9.26E-08	7.72E-07	1.71E-06	5.77E-08	4.87E-07	1.06E-06	7.36E-08	6.28E-07	1.39E-06	8.55E-08	7.05E-07	1.58E-06	9.46E-08	7.56E-07	1.72E-06	7.43E-08	6.23E-07	1.36E-06
9,045	1.16E-07	9.52E-07	2.13E-06	9.26E-08	7.71E-07	1.71E-06	5.75E-08	4.87E-07	1.06E-06	7.36E-08	6.27E-07	1.39E-06	8.54E-08	7.05E-07	1.58E-06	9.46E-08	7.56E-07	1.71E-06	7.42E-08	6.23E-07	1.36E-06
9,046	1.16E-07	9.51E-07	2.13E-06	9.26E-08	7.70E-07	1.70E-06	5.75E-08	4.86E-07	1.06E-06	7.36E-08	6.27E-07	1.38E-06	8.54E-08	7.04E-07	1.58E-06	9.46E-08	7.55E-07	1.71E-06	7.42E-08	6.23E-07	1.36E-06
9,047	1.16E-07	9.51E-07	2.13E-06	9.23E-08	7.70E-07	1.70E-06	5.75E-08	4.86E-07	1.06E-06	7.36E-08	6.27E-07	1.38E-06	8.53E-08	7.04E-07	1.58E-06	9.45E-08	7.55E-07	1.71E-06	7.42E-08	6.23E-07	1.36E-06
9,048	1.16E-07	9.51E-07	2.13E-06	9.23E-08	7.70E-07	1.70E-06	5.74E-08	4.86E-07	1.06E-06	7.35E-08	6.27E-07	1.38E-06	8.52E-08	7.04E-07	1.57E-06	9.44E-08	7.55E-07	1.71E-06	7.41E-08	6.23E-07	1.36E-06
9,049	1.16E-07	9.50E-07	2.12E-06	9.23E-08	7.70E-07	1.70E-06	5.74E-08	4.85E-07	1.06E-06	7.35E-08	6.27E-07	1.38E-06	8.52E-08	7.03E-07	1.57E-06	9.43E-08	7.54E-07	1.71E-06	7.41E-08	6.22E-07	1.36E-06
9,050	1.16E-07	9.49E-07	2.12E-06	9.21E-08	7.69E-07	1.70E-06	5.73E-08	4.85E-07	1.06E-06	7.35E-08	6.26E-07	1.38E-06	8.51E-08	7.03E-07	1.57E-06	9.43E-08	7.54E-07	1.71E-06	7.41E-08	6.22E-07	1.36E-06
9,051	1.16E-07	9.49E-07	2.12E-06	9.21E-08	7.69E-07	1.70E-06	5.73E-08	4.85E-07	1.06E-06	7.34E-08	6.26E-07	1.38E-06	8.50E-08	7.02E-07	1.57E-06	9.41E-08	7.54E-07	1.71E-06	7.41E-08	6.22E-07	1.36E-06
9,052	1.16E-07	9.49E-07	2.12E-06	9.20E-08	7.69E-07	1.70E-06	5.73E-08	4.85E-07	1.06E-06	7.34E-08	6.25E-07	1.38E-06	8.50E-08	7.02E-07	1.57E-06	9.40E-08	7.53E-07	1.70E-06	7.40E-08	6.22E-07	1.36E-06
9,053	1.16E-07	9.45E-07	2.12E-06	9.20E-08	7.69E-07	1.70E-06	5.73E-08	4.85E-07	1.06E-06	7.34E-08	6.25E-07	1.38E-06	8.50E-08	7.02E-07	1.57E-06	9.40E-08	7.51E-07	1.70E-06	7.38E-08	6.22E-07	1.36E-06
9,054	1.16E-07	9.44E-07	2.12E-06	9.20E-08	7.68E-07	1.70E-06	5.72E-08	4.85E-07	1.06E-06	7.34E-08	6.25E-07	1.38E-06	8.49E-08	7.02E-07	1.57E-06	9.40E-08	7.51E-07	1.70E-06	7.38E-08	6.22E-07	1.36E-06
9,055	1.16E-07	9.44E-07	2.11E-06	9.20E-08	7.68E-07	1.70E-06	5.72E-08	4.84E-07	1.06E-06	7.32E-08	6.24E-07	1.38E-06	8.47E-08	7.01E-07	1.57E-06	9.40E-08	7.50E-07	1.70E-06	7.38E-08	6.21E-07	1.36E-06
9,056	1.16E-07	9.44E-07	2.11E-06	9.19E-08	7.68E-07	1.70E-06	5.71E-08	4.84E-07	1.06E-06	7.31E-08	6.24E-07	1.38E-06	8.47E-08	6.99E-07	1.57E-06	9.39E-08	7.49E-07	1.70E-06	7.38E-08	6.21E-07	1.35E-06
9,057	1.16E-07	9.43E-07	2.11E-06	9.19E-08	7.67E-07	1.70E-06	5.70E-08	4.83E-07	1.06E-06	7.30E-08	6.23E-07	1.37E-06	8.45E-08	6.99E-07	1.57E-06	9.39E-08	7.48E-07	1.70E-06	7.37E-08	6.21E-07	1.35E-06
9,058	1.16E-07	9.43E-07	2.11E-06	9.19E-08	7.66E-07	1.70E-06	5.70E-08	4.83E-07	1.06E-06	7.28E-08	6.22E-07	1.37E-06	8.44E-08	6.98E-07	1.57E-06	9.39E-08	7.48E-07	1.70E-06	7.36E-08	6.21E-07	1.35E-06
9,059	1.16E-07	9.43E-07	2.11E-06	9.19E-08	7.66E-07	1.70E-06	5.69E-08	4.83E-07	1.06E-06	7.28E-08	6.22E-07	1.37E-06	8.43E-08	6.98E-07	1.56E-06	9.39E-08	7.47E-07	1.70E-06	7.35E-08	6.21E-07	1.35E-06
9,060	1.15E-07	9.43E-07	2.11E-06	9.18E-08	7.64E-07	1.69E-06	5.69E-08	4.83E-07	1.05E-06	7.28E-08	6.22E-07	1.37E-06	8.41E-08	6.98E-07	1.56E-06	9.38E-08	7.46E-07	1.70E-06	7.35E-08	6.20E-07	1.35E-06
9,061	1.15E-07	9.42E-07	2.11E-06	9.18E-08	7.63E-07	1.69E-06	5.69E-08	4.83E-07	1.05E-06	7.26E-08	6.22E-07	1.37E-06	8.41E-08	6.97E-07	1.56E-06	9.38E-08	7.45E-07	1.70E-06	7.35E-08	6.20E-07	1.35E-06
9,062	1.15E-07	9.42E-07	2.11E-06	9.18E-08	7.63E-07	1.69E-06	5.68E-08	4.82E-07	1.05E-06	7.25E-08	6.20E-07	1.37E-06	8.41E-08	6.96E-07	1.56E-06	9.38E-08	7.45E-07	1.70E-06	7.34E-08	6.19E-07	1.35E-06
9,063	1.15E-07	9.42E-07	2.11E-06	9.18E-08	7.62E-07	1.69E-06	5.68E-08	4.82E-07	1.05E-06	7.24E-08	6.19E-07	1.37E-06	8.41E-08	6.96E-07	1.56E-06	9.38E-08	7.44E-07	1.70E-06	7.34E-08	6.19E-07	1.35E-06
9,064	1.15E-07	9.42E-07	2.11E-06	9.17E-08	7.62E-07	1.69E-06	5.66E-08	4.82E-07	1.05E-06	7.24E-08	6.19E-07	1.37E-06	8.39E-08	6.95E-07	1.56E-06	9.37E-08	7.44E-07	1.70E-06	7.34E-08	6.19E-07	1.35E-06
9,065	1.15E-07	9.40E-07	2.11E-06	9.17E-08	7.61E-07	1.69E-06	5.66E-08	4.82E-07	1.05E-06	7.24E-08	6.19E-07	1.37E-06	8.39E-08	6.95E-07	1.56E-06	9.35E-08	7.43E-07	1.70E-06	7.34E-08	6.19E-07	1.35E-06
9,066	1.15E-07	9.40E-07	2.11E-06	9.16E-08	7.60E-07	1.69E-06	5.65E-08	4.81E-07	1.05E-06	7.24E-08	6.19E-07	1.37E-06	8.39E-08	6.95E-07	1.56E-06	9.34E-08	7.42E-07	1.69E-06	7.33E-08	6.18E-07	1.35E-06
9,067	1.15E-07	9.40E-07	2.11E-06	9.15E-08	7.59E-07	1.69E-06	5.65E-08	4.81E-07	1.05E-06	7.24E-08	6.19E-07	1.36E-06	8.37E-08	6.94E-07	1.56E-06	9.34E-08	7.42E-07	1.69E-06	7.31E-08	6.18E-07	1.34E-06
9,068	1.15E-07	9.40E-07	2.10E-06	9.15E-08	7.59E-07	1.69E-06	5.64E-08	4.81E-07	1.05E-06	7.23E-08	6.18E-07	1.36E-06	8.37E-08	6.94E-07	1.56E-06	9.34E-08	7.42E-07	1.69E-06	7.31E-08	6.18E-07	1.34E-06
9,069	1.15E-07	9.39E-07	2.10E-06	9.13E-08	7.59E-07	1.69E-06	5.64E-08	4.80E-07	1.05E-06	7.22E-08	6.17E-07	1.36E-06	8.36E-08	6.93E-07	1.56E-06	9.33E-08	7.42E-07	1.69E-06	7.30E-08	6.18E-07	1.34E-06
9,070	1.15E-07	9.38E-07	2.10E-06	9.13E-08	7.57E-07	1.68E-06	5.63E-08	4.80E-07	1.05E-06	7.21E-08	6.17E-07	1.36E-06	8.36E-08	6.93E-07	1.55E-06	9.32E-08	7.42E-07	1.69E-06	7.29E-08	6.16E-07	1.34E-06
9,071	1.15E-07	9.37E-07	2.10E-06	9.13E-08	7.57E-07	1.68E-06	5.63E-08	4.80E-07	1.05E-06	7.21E-08	6.16E-07	1.36E-06	8.34E-08	6.92E-07	1.55E-06	9.32E-08	7.40E-07	1.69E-06	7.29E-08	6.16E-07	1.34E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,092	1.13E-07	9.27E-07	2.07E-06	9.04E-08	7.46E-07	1.67E-06	5.54E-08	4.74E-07	1.03E-06	7.07E-08	6.10E-07	1.35E-06	8.26E-08	6.83E-07	1.53E-06	9.19E-08	7.32E-07	1.67E-06	7.16E-08	6.09E-07	1.32E-06
9,093	1.13E-07	9.26E-07	2.07E-06	9.03E-08	7.45E-07	1.66E-06	5.54E-08	4.74E-07	1.03E-06	7.06E-08	6.09E-07	1.35E-06	8.24E-08	6.82E-07	1.53E-06	9.18E-08	7.32E-07	1.67E-06	7.15E-08	6.08E-07	1.32E-06
9,094	1.13E-07	9.26E-07	2.07E-06	9.03E-08	7.44E-07	1.66E-06	5.53E-08	4.74E-07	1.03E-06	7.06E-08	6.09E-07	1.35E-06	8.22E-08	6.82E-07	1.53E-06	9.18E-08	7.32E-07	1.67E-06	7.14E-08	6.08E-07	1.32E-06
9,095	1.13E-07	9.26E-07	2.07E-06	9.02E-08	7.44E-07	1.66E-06	5.52E-08	4.73E-07	1.03E-06	7.06E-08	6.09E-07	1.34E-06	8.20E-08	6.82E-07	1.53E-06	9.17E-08	7.32E-07	1.67E-06	7.13E-08	6.08E-07	1.32E-06
9,096	1.13E-07	9.25E-07	2.07E-06	9.02E-08	7.42E-07	1.66E-06	5.51E-08	4.73E-07	1.03E-06	7.06E-08	6.08E-07	1.34E-06	8.20E-08	6.82E-07	1.53E-06	9.16E-08	7.32E-07	1.66E-06	7.13E-08	6.08E-07	1.32E-06
9,097	1.13E-07	9.25E-07	2.07E-06	9.02E-08	7.42E-07	1.66E-06	5.51E-08	4.73E-07	1.03E-06	7.05E-08	6.08E-07	1.34E-06	8.20E-08	6.81E-07	1.53E-06	9.15E-08	7.31E-07	1.66E-06	7.12E-08	6.06E-07	1.32E-06
9,098	1.13E-07	9.25E-07	2.07E-06	9.01E-08	7.42E-07	1.66E-06	5.50E-08	4.72E-07	1.02E-06	7.04E-08	6.07E-07	1.34E-06	8.19E-08	6.80E-07	1.53E-06	9.15E-08	7.30E-07	1.66E-06	7.11E-08	6.06E-07	1.32E-06
9,099	1.13E-07	9.24E-07	2.07E-06	9.01E-08	7.42E-07	1.66E-06	5.50E-08	4.72E-07	1.02E-06	7.04E-08	6.07E-07	1.34E-06	8.19E-08	6.80E-07	1.53E-06	9.14E-08	7.29E-07	1.66E-06	7.10E-08	6.06E-07	1.32E-06
9,100	1.13E-07	9.24E-07	2.07E-06	9.01E-08	7.41E-07	1.65E-06	5.50E-08	4.72E-07	1.02E-06	7.04E-08	6.07E-07	1.34E-06	8.18E-08	6.78E-07	1.53E-06	9.14E-08	7.29E-07	1.66E-06	7.10E-08	6.05E-07	1.32E-06
9,101	1.12E-07	9.24E-07	2.07E-06	9.00E-08	7.41E-07	1.65E-06	5.49E-08	4.71E-07	1.02E-06	7.04E-08	6.07E-07	1.33E-06	8.18E-08	6.78E-07	1.53E-06	9.13E-08	7.29E-07	1.66E-06	7.09E-08	6.05E-07	1.32E-06
9,102	1.12E-07	9.23E-07	2.06E-06	8.99E-08	7.40E-07	1.65E-06	5.48E-08	4.71E-07	1.02E-06	7.03E-08	6.06E-07	1.33E-06	8.18E-08	6.78E-07	1.52E-06	9.13E-08	7.29E-07	1.66E-06	7.09E-08	6.03E-07	1.32E-06
9,103	1.12E-07	9.23E-07	2.06E-06	8.99E-08	7.40E-07	1.65E-06	5.48E-08	4.71E-07	1.02E-06	7.03E-08	6.06E-07	1.33E-06	8.18E-08	6.78E-07	1.52E-06	9.13E-08	7.28E-07	1.65E-06	7.08E-08	6.02E-07	1.32E-06
9,104	1.12E-07	9.23E-07	2.06E-06	8.99E-08	7.39E-07	1.65E-06	5.47E-08	4.70E-07	1.02E-06	7.03E-08	6.06E-07	1.33E-06	8.18E-08	6.76E-07	1.52E-06	9.11E-08	7.27E-07	1.65E-06	7.08E-08	6.02E-07	1.31E-06
9,105	1.12E-07	9.23E-07	2.06E-06	8.99E-08	7.39E-07	1.64E-06	5.47E-08	4.70E-07	1.02E-06	7.03E-08	6.05E-07	1.33E-06	8.18E-08	6.76E-07	1.52E-06	9.11E-08	7.25E-07	1.65E-06	7.06E-08	6.02E-07	1.31E-06
9,106	1.12E-07	9.22E-07	2.06E-06	8.98E-08	7.39E-07	1.64E-06	5.46E-08	4.70E-07	1.02E-06	7.01E-08	6.05E-07	1.33E-06	8.18E-08	6.76E-07	1.52E-06	9.10E-08	7.25E-07	1.65E-06	7.06E-08	6.02E-07	1.31E-06
9,107	1.12E-07	9.22E-07	2.06E-06	8.98E-08	7.38E-07	1.64E-06	5.46E-08	4.69E-07	1.02E-06	7.01E-08	6.05E-07	1.33E-06	8.17E-08	6.75E-07	1.52E-06	9.10E-08	7.24E-07	1.65E-06	7.06E-08	6.01E-07	1.31E-06
9,108	1.12E-07	9.21E-07	2.06E-06	8.98E-08	7.38E-07	1.64E-06	5.46E-08	4.69E-07	1.02E-06	7.00E-08	6.05E-07	1.33E-06	8.17E-08	6.75E-07	1.52E-06	9.10E-08	7.24E-07	1.65E-06	7.05E-08	6.01E-07	1.31E-06
9,109	1.12E-07	9.21E-07	2.06E-06	8.97E-08	7.37E-07	1.64E-06	5.45E-08	4.69E-07	1.02E-06	7.00E-08	6.05E-07	1.33E-06	8.16E-08	6.74E-07	1.52E-06	9.10E-08	7.24E-07	1.64E-06	7.05E-08	6.01E-07	1.31E-06
9,110	1.12E-07	9.21E-07	2.06E-06	8.96E-08	7.37E-07	1.64E-06	5.45E-08	4.69E-07	1.02E-06	7.00E-08	6.04E-07	1.33E-06	8.16E-08	6.74E-07	1.52E-06	9.09E-08	7.23E-07	1.64E-06	7.05E-08	6.00E-07	1.31E-06
9,111	1.12E-07	9.20E-07	2.06E-06	8.96E-08	7.37E-07	1.64E-06	5.45E-08	4.69E-07	1.02E-06	6.99E-08	6.04E-07	1.32E-06	8.13E-08	6.74E-07	1.51E-06	9.09E-08	7.22E-07	1.64E-06	7.05E-08	5.99E-07	1.31E-06
9,112	1.12E-07	9.20E-07	2.06E-06	8.95E-08	7.36E-07	1.64E-06	5.45E-08	4.69E-07	1.02E-06	6.99E-08	6.03E-07	1.32E-06	8.13E-08	6.74E-07	1.51E-06	9.07E-08	7.21E-07	1.64E-06	7.05E-08	5.99E-07	1.31E-06
9,113	1.12E-07	9.19E-07	2.06E-06	8.95E-08	7.35E-07	1.64E-06	5.44E-08	4.69E-07	1.01E-06	6.99E-08	6.01E-07	1.32E-06	8.12E-08	6.74E-07	1.51E-06	9.05E-08	7.20E-07	1.64E-06	7.05E-08	5.98E-07	1.31E-06
9,114	1.12E-07	9.19E-07	2.05E-06	8.94E-08	7.35E-07	1.63E-06	5.44E-08	4.68E-07	1.01E-06	6.98E-08	6.00E-07	1.32E-06	8.12E-08	6.73E-07	1.51E-06	9.03E-08	7.20E-07	1.63E-06	7.05E-08	5.98E-07	1.31E-06
9,115	1.12E-07	9.19E-07	2.05E-06	8.93E-08	7.35E-07	1.63E-06	5.43E-08	4.68E-07	1.01E-06	6.98E-08	6.00E-07	1.32E-06	8.12E-08	6.73E-07	1.51E-06	9.02E-08	7.20E-07	1.63E-06	7.05E-08	5.98E-07	1.31E-06
9,116	1.12E-07	9.18E-07	2.05E-06	8.92E-08	7.34E-07	1.63E-06	5.43E-08	4.68E-07	1.01E-06	6.97E-08	6.00E-07	1.32E-06	8.11E-08	6.72E-07	1.51E-06	9.00E-08	7.19E-07	1.63E-06	7.04E-08	5.97E-07	1.31E-06
9,117	1.12E-07	9.17E-07	2.05E-06	8.92E-08	7.34E-07	1.63E-06	5.42E-08	4.68E-07	1.01E-06	6.95E-08	5.99E-07	1.32E-06	8.11E-08	6.72E-07	1.51E-06	9.00E-08	7.19E-07	1.63E-06	7.03E-08	5.96E-07	1.31E-06
9,118	1.12E-07	9.15E-07	2.05E-06	8.92E-08	7.34E-07	1.63E-06	5.41E-08	4.67E-07	1.01E-06	6.95E-08	5.99E-07	1.31E-06	8.11E-08	6.72E-07	1.50E-06	8.99E-08	7.18E-07	1.63E-06	7.03E-08	5.95E-07	1.31E-06
9,119	1.12E-07	9.15E-07	2.04E-06	8.91E-08	7.34E-07	1.62E-06	5.41E-08	4.67E-07	1.01E-06	6.91E-08	5.99E-07	1.31E-06	8.10E-08	6.72E-07	1.50E-06	8.99E-08	7.18E-07	1.63E-06	7.01E-08	5.95E-07	1.30E-06
9,120	1.12E-07	9.15E-07	2.04E-06	8.91E-08	7.33E-07	1.62E-06	5.41E-08	4.67E-07	1.01E-06	6.91E-08	5.98E-07	1.31E-06	8.10E-08	6.71E-07	1.50E-06	8.98E-08	7.18E-07	1.63E-06	6.99E-08	5.94E-07	1.30E-06
9,121	1.12E-07	9.13E-07	2.04E-06	8.90E-08	7.33E-07	1.62E-06	5.41E-08	4.66E-07	1.01E-06	6.89E-08	5.98E-07	1.31E-06	8.10E-08	6.71E-07	1.50E-06	8.98E-08	7.17E-07	1.63E-06	6.99E-08	5.94E-07	1.30E-06
9,122	1.11E-07	9.13E-07	2.04E-06	8.90E-08	7.33E-07	1.62E-06	5.41E-08	4.66E-07	1.01E-06	6.88E-08	5.98E-07	1.31E-06	8.10E-08	6.70E-07	1.50E-06	8.97E-08	7.17E-07	1.63E-06	6.99E-08	5.93E-07	1.30E-06
9,123	1.11E-07	9.12E-07	2.04E-06	8.89E-08	7.32E-07	1.62E-06	5.40E-08	4.66E-07	1.01E-06	6.88E-08	5.98E-07	1.31E-06	8.09E-08	6.70E-07	1.50E-06	8.96E-08	7.16E-07	1.63E-06	6.98E-08	5.93E-07	1.30E-06
9,124	1.11E-07	9.12E-07	2.03E-06	8.89E-08	7.32E-07	1.62E-06	5.40E-08	4.65E-07	1.01E-06	6.88E-08	5.98E-07	1.31E-06	8.08E-08	6.69E-07	1.50E-06	8.95E-08	7.16E-07	1.63E-06	6.98E-08	5.93E-07	1.30E-06
9,125	1.11E-07	9.12E-07	2.03E-06	8.88E-08	7.32E-07	1.62E-06	5.39E-08	4.65E-07	1.01E-06	6.87E-08	5.97E-07	1.31E-06	8.08E-08	6.69E-07	1.50E-06	8.95E-08	7.16E-07	1.63E-06	6.98E-08	5.93E-07	1.30E-06
9,126	1.11E-07	9.10E-07	2.03E-06	8.88E-08	7.32E-07	1.62E-06	5.38E-08	4.65E-07	1.01E-06	6.86E-08	5.97E-07	1.31E-06	8.06E-08	6.69E-07	1.50E-06	8.94E-08	7.16E-07	1.63E-06	6.97E-08	5.93E-07	1.30E-06
9,127	1.11E-07	9.10E-07	2.03E-06	8.88E-08	7.31E-07	1.61E-06	5.38E-08	4.65E-07	1.01E-06	6.86E-08	5.96E-07	1.30E-06	8.06E-08	6.69E-07	1.50E-06	8.94E-08	7.15E-07	1.62E-06	6.96E-08	5.92E-07	1.30E-06
9,128	1.11E-07	9.09E-07	2.03E-06	8.86E-08	7.31E-07	1.61E-06	5.38E-08	4.65E-07	1.01E-06	6.86E-08	5.96E-07	1.30E-06	8.06E-08	6.68E-07	1.49E-06	8.94E-08	7.15E-07	1.62E-06	6.96E-08	5.91E-07	1.30E-06
9,129	1.11E-07	9.09E-07	2.03E-06	8.86E-08	7.31E-07	1.61E-06	5.37E-08	4.65E-07	1.01E-06	6.86E-08	5.96E-07	1.30E-06	8.06E-08	6.67E-07	1.49E-06	8.94E-08	7.13E-07	1.62E-06	6.95E-08	5.91E-07	1.30E-06
9,130	1.11E-07	9.08E-07	2.03E-06	8.84E-08	7.30E-07	1.61E-06	5.36E-08	4.64E-07	1.01E-06	6.85E-08	5.94E-07	1.30E-06	8.06E-08	6.67E-07	1.49E-06	8.93E-08	7.13E-07	1.62E-06	6.95E-08	5.91E-07	1.29E-06
9,131	1.11E-07	9.08E-07	2.03E-06	8.83E-08	7.30E-07	1.61E-06	5.36E-08	4.64E-07	1.00E-06	6.85E-08	5.94E-07	1.30E-06	8.06E-08	6.67E-07	1.49E-06	8.93E-08	7.13E-07	1.62E-06	6.95E-08	5.91E-07	1.29E-06
9,132	1.11E-07	9.07E-07	2.02E-06	8.83E-08	7.30E-07	1.61E-06	5.35E-08	4.64E-07	1.00E-06	6.85E-08	5.93E-07	1.30E-06	8.05E-08	6.66E-07	1.49E-06	8.92E-08	7.13E-07	1.62E-06	6.94E-08	5.90E-07	1.29E-06
9,133	1.11E-07	9.07E-07	2.02E-06	8.83E-08	7.28E-07	1.61E-06	5.35E-08	4.63E-07	1.00E-06	6.85E-08	5.93E-07	1.30E-06	8.05E-08	6.66E-07	1.49E-06	8.91E-08	7.12E-07	1.62E-06	6.94E-08	5.90E-07	1.29E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,154	1.10E-07	8.97E-07	2.00E-06	8.72E-08	7.17E-07	1.59E-06	5.29E-08	4.58E-07	9.94E-07	6.73E-08	5.82E-07	1.28E-06	7.96E-08	6.56E-07	1.47E-06	8.74E-08	7.03E-07	1.60E-06	6.83E-08	5.83E-07	1.27E-06
9,155	1.10E-07	8.96E-07	2.00E-06	8.72E-08	7.17E-07	1.59E-06	5.29E-08	4.57E-07	9.93E-07	6.72E-08	5.81E-07	1.28E-06	7.95E-08	6.56E-07	1.47E-06	8.72E-08	7.03E-07	1.60E-06	6.82E-08	5.82E-07	1.27E-06
9,156	1.10E-07	8.96E-07	2.00E-06	8.71E-08	7.17E-07	1.59E-06	5.29E-08	4.57E-07	9.93E-07	6.72E-08	5.78E-07	1.28E-06	7.93E-08	6.56E-07	1.46E-06	8.72E-08	7.03E-07	1.60E-06	6.82E-08	5.82E-07	1.27E-06
9,157	1.10E-07	8.95E-07	2.00E-06	8.71E-08	7.17E-07	1.59E-06	5.29E-08	4.57E-07	9.93E-07	6.71E-08	5.78E-07	1.27E-06	7.92E-08	6.56E-07	1.46E-06	8.72E-08	7.02E-07	1.59E-06	6.82E-08	5.81E-07	1.26E-06
9,158	1.10E-07	8.95E-07	2.00E-06	8.71E-08	7.17E-07	1.59E-06	5.29E-08	4.57E-07	9.93E-07	6.71E-08	5.78E-07	1.27E-06	7.91E-08	6.55E-07	1.46E-06	8.70E-08	7.02E-07	1.59E-06	6.80E-08	5.80E-07	1.26E-06
9,159	1.10E-07	8.95E-07	1.99E-06	8.70E-08	7.17E-07	1.59E-06	5.28E-08	4.57E-07	9.92E-07	6.71E-08	5.78E-07	1.27E-06	7.91E-08	6.55E-07	1.46E-06	8.70E-08	7.02E-07	1.59E-06	6.80E-08	5.80E-07	1.26E-06
9,160	1.10E-07	8.94E-07	1.99E-06	8.70E-08	7.16E-07	1.59E-06	5.27E-08	4.56E-07	9.91E-07	6.71E-08	5.76E-07	1.27E-06	7.91E-08	6.55E-07	1.46E-06	8.69E-08	7.01E-07	1.59E-06	6.80E-08	5.79E-07	1.26E-06
9,161	1.10E-07	8.93E-07	1.99E-06	8.70E-08	7.16E-07	1.59E-06	5.26E-08	4.56E-07	9.91E-07	6.70E-08	5.76E-07	1.27E-06	7.90E-08	6.53E-07	1.46E-06	8.69E-08	7.00E-07	1.59E-06	6.80E-08	5.77E-07	1.26E-06
9,162	1.09E-07	8.93E-07	1.99E-06	8.70E-08	7.15E-07	1.59E-06	5.26E-08	4.56E-07	9.91E-07	6.70E-08	5.75E-07	1.27E-06	7.90E-08	6.52E-07	1.45E-06	8.66E-08	7.00E-07	1.59E-06	6.80E-08	5.76E-07	1.26E-06
9,163	1.09E-07	8.93E-07	1.99E-06	8.69E-08	7.15E-07	1.59E-06	5.26E-08	4.56E-07	9.91E-07	6.70E-08	5.75E-07	1.27E-06	7.87E-08	6.52E-07	1.45E-06	8.65E-08	7.00E-07	1.59E-06	6.79E-08	5.75E-07	1.26E-06
9,164	1.09E-07	8.90E-07	1.99E-06	8.68E-08	7.15E-07	1.58E-06	5.25E-08	4.55E-07	9.91E-07	6.70E-08	5.75E-07	1.27E-06	7.87E-08	6.51E-07	1.45E-06	8.65E-08	6.99E-07	1.59E-06	6.77E-08	5.74E-07	1.25E-06
9,165	1.09E-07	8.89E-07	1.99E-06	8.67E-08	7.15E-07	1.58E-06	5.25E-08	4.55E-07	9.90E-07	6.70E-08	5.75E-07	1.27E-06	7.86E-08	6.51E-07	1.45E-06	8.64E-08	6.99E-07	1.59E-06	6.77E-08	5.74E-07	1.25E-06
9,166	1.09E-07	8.89E-07	1.99E-06	8.67E-08	7.14E-07	1.58E-06	5.24E-08	4.55E-07	9.90E-07	6.69E-08	5.74E-07	1.27E-06	7.86E-08	6.51E-07	1.45E-06	8.63E-08	6.99E-07	1.59E-06	6.75E-08	5.74E-07	1.25E-06
9,167	1.09E-07	8.89E-07	1.98E-06	8.67E-08	7.14E-07	1.58E-06	5.24E-08	4.55E-07	9.88E-07	6.68E-08	5.74E-07	1.27E-06	7.86E-08	6.50E-07	1.45E-06	8.63E-08	6.99E-07	1.59E-06	6.75E-08	5.73E-07	1.25E-06
9,168	1.09E-07	8.88E-07	1.98E-06	8.66E-08	7.13E-07	1.58E-06	5.23E-08	4.55E-07	9.88E-07	6.68E-08	5.74E-07	1.27E-06	7.86E-08	6.50E-07	1.45E-06	8.63E-08	6.98E-07	1.58E-06	6.74E-08	5.73E-07	1.25E-06
9,169	1.09E-07	8.87E-07	1.98E-06	8.66E-08	7.13E-07	1.58E-06	5.23E-08	4.54E-07	9.87E-07	6.68E-08	5.74E-07	1.27E-06	7.85E-08	6.50E-07	1.45E-06	8.63E-08	6.98E-07	1.58E-06	6.73E-08	5.73E-07	1.25E-06
9,170	1.09E-07	8.87E-07	1.98E-06	8.66E-08	7.12E-07	1.58E-06	5.23E-08	4.54E-07	9.87E-07	6.67E-08	5.73E-07	1.27E-06	7.82E-08	6.47E-07	1.44E-06	8.63E-08	6.97E-07	1.58E-06	6.73E-08	5.73E-07	1.25E-06
9,171	1.09E-07	8.87E-07	1.98E-06	8.66E-08	7.12E-07	1.58E-06	5.23E-08	4.54E-07	9.87E-07	6.67E-08	5.73E-07	1.27E-06	7.79E-08	6.47E-07	1.44E-06	8.63E-08	6.97E-07	1.58E-06	6.72E-08	5.73E-07	1.25E-06
9,172	1.08E-07	8.87E-07	1.98E-06	8.66E-08	7.11E-07	1.58E-06	5.23E-08	4.53E-07	9.87E-07	6.67E-08	5.73E-07	1.27E-06	7.79E-08	6.46E-07	1.44E-06	8.63E-08	6.97E-07	1.58E-06	6.72E-08	5.72E-07	1.24E-06
9,173	1.08E-07	8.86E-07	1.97E-06	8.65E-08	7.10E-07	1.57E-06	5.22E-08	4.52E-07	9.86E-07	6.67E-08	5.73E-07	1.26E-06	7.79E-08	6.46E-07	1.44E-06	8.63E-08	6.97E-07	1.58E-06	6.72E-08	5.72E-07	1.24E-06
9,174	1.08E-07	8.86E-07	1.97E-06	8.64E-08	7.10E-07	1.57E-06	5.22E-08	4.52E-07	9.84E-07	6.66E-08	5.72E-07	1.26E-06	7.78E-08	6.45E-07	1.44E-06	8.62E-08	6.96E-07	1.58E-06	6.72E-08	5.71E-07	1.24E-06
9,175	1.08E-07	8.85E-07	1.97E-06	8.62E-08	7.10E-07	1.57E-06	5.22E-08	4.52E-07	9.83E-07	6.66E-08	5.71E-07	1.26E-06	7.78E-08	6.44E-07	1.44E-06	8.61E-08	6.94E-07	1.57E-06	6.72E-08	5.71E-07	1.24E-06
9,176	1.08E-07	8.84E-07	1.97E-06	8.62E-08	7.10E-07	1.57E-06	5.22E-08	4.52E-07	9.83E-07	6.65E-08	5.71E-07	1.26E-06	7.77E-08	6.44E-07	1.44E-06	8.61E-08	6.93E-07	1.57E-06	6.72E-08	5.70E-07	1.24E-06
9,177	1.08E-07	8.83E-07	1.97E-06	8.61E-08	7.10E-07	1.57E-06	5.21E-08	4.52E-07	9.82E-07	6.65E-08	5.71E-07	1.26E-06	7.77E-08	6.44E-07	1.44E-06	8.61E-08	6.93E-07	1.57E-06	6.69E-08	5.70E-07	1.24E-06
9,178	1.08E-07	8.83E-07	1.97E-06	8.61E-08	7.10E-07	1.56E-06	5.21E-08	4.51E-07	9.82E-07	6.64E-08	5.71E-07	1.26E-06	7.77E-08	6.44E-07	1.44E-06	8.60E-08	6.92E-07	1.57E-06	6.69E-08	5.70E-07	1.24E-06
9,179	1.08E-07	8.83E-07	1.97E-06	8.60E-08	7.10E-07	1.56E-06	5.21E-08	4.51E-07	9.81E-07	6.62E-08	5.70E-07	1.26E-06	7.77E-08	6.44E-07	1.44E-06	8.59E-08	6.92E-07	1.57E-06	6.69E-08	5.70E-07	1.24E-06
9,180	1.08E-07	8.83E-07	1.96E-06	8.59E-08	7.09E-07	1.56E-06	5.21E-08	4.51E-07	9.80E-07	6.60E-08	5.70E-07	1.25E-06	7.76E-08	6.43E-07	1.43E-06	8.59E-08	6.92E-07	1.57E-06	6.68E-08	5.70E-07	1.24E-06
9,181	1.08E-07	8.82E-07	1.96E-06	8.59E-08	7.09E-07	1.56E-06	5.20E-08	4.51E-07	9.79E-07	6.60E-08	5.70E-07	1.25E-06	7.76E-08	6.43E-07	1.43E-06	8.58E-08	6.91E-07	1.57E-06	6.67E-08	5.69E-07	1.23E-06
9,182	1.07E-07	8.81E-07	1.96E-06	8.59E-08	7.07E-07	1.56E-06	5.20E-08	4.51E-07	9.79E-07	6.59E-08	5.70E-07	1.25E-06	7.76E-08	6.42E-07	1.43E-06	8.57E-08	6.90E-07	1.57E-06	6.67E-08	5.69E-07	1.23E-06
9,183	1.07E-07	8.81E-07	1.96E-06	8.59E-08	7.07E-07	1.56E-06	5.20E-08	4.50E-07	9.79E-07	6.58E-08	5.69E-07	1.25E-06	7.75E-08	6.42E-07	1.43E-06	8.57E-08	6.90E-07	1.56E-06	6.66E-08	5.69E-07	1.23E-06
9,184	1.07E-07	8.80E-07	1.95E-06	8.58E-08	7.05E-07	1.56E-06	5.19E-08	4.50E-07	9.78E-07	6.58E-08	5.69E-07	1.25E-06	7.75E-08	6.42E-07	1.43E-06	8.56E-08	6.90E-07	1.56E-06	6.65E-08	5.67E-07	1.23E-06
9,185	1.07E-07	8.80E-07	1.95E-06	8.58E-08	7.05E-07	1.56E-06	5.19E-08	4.50E-07	9.76E-07	6.58E-08	5.68E-07	1.25E-06	7.74E-08	6.41E-07	1.43E-06	8.56E-08	6.90E-07	1.56E-06	6.64E-08	5.67E-07	1.22E-06
9,186	1.07E-07	8.79E-07	1.95E-06	8.57E-08	7.05E-07	1.56E-06	5.19E-08	4.50E-07	9.76E-07	6.58E-08	5.67E-07	1.25E-06	7.74E-08	6.41E-07	1.43E-06	8.56E-08	6.89E-07	1.56E-06	6.64E-08	5.66E-07	1.22E-06
9,187	1.07E-07	8.78E-07	1.95E-06	8.57E-08	7.04E-07	1.56E-06	5.19E-08	4.49E-07	9.75E-07	6.58E-08	5.67E-07	1.25E-06	7.73E-08	6.40E-07	1.43E-06	8.56E-08	6.89E-07	1.56E-06	6.63E-08	5.65E-07	1.22E-06
9,188	1.07E-07	8.77E-07	1.95E-06	8.57E-08	7.03E-07	1.56E-06	5.18E-08	4.49E-07	9.75E-07	6.57E-08	5.67E-07	1.25E-06	7.72E-08	6.40E-07	1.43E-06	8.55E-08	6.88E-07	1.56E-06	6.63E-08	5.65E-07	1.22E-06
9,189	1.07E-07	8.77E-07	1.95E-06	8.57E-08	7.02E-07	1.56E-06	5.18E-08	4.48E-07	9.75E-07	6.57E-08	5.67E-07	1.25E-06	7.72E-08	6.38E-07	1.43E-06	8.53E-08	6.88E-07	1.56E-06	6.62E-08	5.65E-07	1.22E-06
9,190	1.07E-07	8.77E-07	1.95E-06	8.55E-08	7.02E-07	1.55E-06	5.17E-08	4.47E-07	9.73E-07	6.57E-08	5.66E-07	1.25E-06	7.71E-08	6.38E-07	1.43E-06	8.53E-08	6.87E-07	1.56E-06	6.61E-08	5.64E-07	1.22E-06
9,191	1.07E-07	8.75E-07	1.95E-06	8.55E-08	7.01E-07	1.55E-06	5.17E-08	4.47E-07	9.71E-07	6.56E-08	5.65E-07	1.24E-06	7.71E-08	6.38E-07	1.43E-06	8.53E-08	6.86E-07	1.56E-06	6.61E-08	5.64E-07	1.22E-06
9,192	1.07E-07	8.75E-07	1.94E-06	8.53E-08	7.01E-07	1.55E-06	5.16E-08	4.45E-07	9.71E-07	6.56E-08	5.65E-07	1.24E-06	7.70E-08	6.38E-07	1.43E-06	8.52E-08	6.86E-07	1.56E-06	6.61E-08	5.64E-07	1.22E-06
9,193	1.07E-07	8.75E-07	1.94E-06	8.51E-08	7.01E-07	1.55E-06	5.15E-08	4.45E-07	9.71E-07	6.56E-08	5.65E-07	1.24E-06	7.70E-08	6.37E-07	1.42E-06	8.49E-08	6.84E-07	1.56E-06	6.60E-08	5.63E-07	1.22E-06
9,194	1.07E-07	8.74E-07	1.94E-06	8.50E-08	6.99E-07	1.55E-06	5.15E-08	4.45E-07	9.70E-07	6.56E-08	5.64E-07	1.24E-06	7.68E-08	6.36E-07	1.42E-06	8.48E-08	6.84E-07	1.56E-06	6.60E-08	5.63E-07	1.22E-06
9,195	1.06E-07	8.74E-07	1.94E-06	8.49E-08	6.99E-07	1.55E-06	5.15E-08	4.45E-07	9.69E-07	6.55E-08	5.64E-07	1.24E-06	7.67E-08	6.36E-07	1.42E-06	8.47E-08	6.83E-07	1.55E-06	6.60E-08	5.63E-07	1.21E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,216	1.04E-07	8.65E-07	1.91E-06	8.38E-08	6.84E-07	1.53E-06	5.10E-08	4.39E-07	9.58E-07	6.46E-08	5.56E-07	1.22E-06	7.57E-08	6.27E-07	1.40E-06	8.32E-08	6.74E-07	1.53E-06	6.49E-08	5.55E-07	1.20E-06
9,217	1.04E-07	8.65E-07	1.91E-06	8.38E-08	6.84E-07	1.52E-06	5.09E-08	4.39E-07	9.58E-07	6.46E-08	5.54E-07	1.22E-06	7.56E-08	6.27E-07	1.40E-06	8.31E-08	6.73E-07	1.53E-06	6.48E-08	5.55E-07	1.20E-06
9,218	1.04E-07	8.64E-07	1.91E-06	8.38E-08	6.84E-07	1.52E-06	5.09E-08	4.39E-07	9.57E-07	6.45E-08	5.54E-07	1.22E-06	7.56E-08	6.27E-07	1.40E-06	8.31E-08	6.72E-07	1.53E-06	6.48E-08	5.55E-07	1.20E-06
9,219	1.04E-07	8.64E-07	1.91E-06	8.37E-08	6.82E-07	1.52E-06	5.08E-08	4.39E-07	9.57E-07	6.44E-08	5.54E-07	1.22E-06	7.55E-08	6.26E-07	1.40E-06	8.30E-08	6.71E-07	1.53E-06	6.45E-08	5.54E-07	1.20E-06
9,220	1.04E-07	8.63E-07	1.91E-06	8.37E-08	6.82E-07	1.52E-06	5.08E-08	4.38E-07	9.57E-07	6.44E-08	5.53E-07	1.21E-06	7.55E-08	6.26E-07	1.40E-06	8.30E-08	6.70E-07	1.53E-06	6.44E-08	5.54E-07	1.20E-06
9,221	1.04E-07	8.63E-07	1.90E-06	8.37E-08	6.81E-07	1.52E-06	5.08E-08	4.38E-07	9.57E-07	6.43E-08	5.53E-07	1.21E-06	7.55E-08	6.26E-07	1.40E-06	8.30E-08	6.68E-07	1.52E-06	6.44E-08	5.53E-07	1.19E-06
9,222	1.04E-07	8.63E-07	1.90E-06	8.36E-08	6.81E-07	1.52E-06	5.08E-08	4.38E-07	9.56E-07	6.43E-08	5.52E-07	1.21E-06	7.54E-08	6.26E-07	1.40E-06	8.29E-08	6.68E-07	1.52E-06	6.44E-08	5.53E-07	1.19E-06
9,223	1.04E-07	8.62E-07	1.90E-06	8.36E-08	6.81E-07	1.52E-06	5.08E-08	4.37E-07	9.55E-07	6.42E-08	5.52E-07	1.21E-06	7.54E-08	6.25E-07	1.39E-06	8.29E-08	6.67E-07	1.52E-06	6.43E-08	5.52E-07	1.19E-06
9,224	1.04E-07	8.62E-07	1.90E-06	8.35E-08	6.81E-07	1.52E-06	5.07E-08	4.37E-07	9.55E-07	6.42E-08	5.52E-07	1.21E-06	7.54E-08	6.25E-07	1.39E-06	8.28E-08	6.67E-07	1.52E-06	6.41E-08	5.51E-07	1.19E-06
9,225	1.04E-07	8.61E-07	1.90E-06	8.34E-08	6.81E-07	1.52E-06	5.07E-08	4.37E-07	9.55E-07	6.42E-08	5.52E-07	1.21E-06	7.53E-08	6.24E-07	1.39E-06	8.26E-08	6.66E-07	1.52E-06	6.41E-08	5.51E-07	1.19E-06
9,226	1.04E-07	8.60E-07	1.90E-06	8.34E-08	6.80E-07	1.52E-06	5.06E-08	4.37E-07	9.55E-07	6.41E-08	5.52E-07	1.21E-06	7.53E-08	6.23E-07	1.39E-06	8.26E-08	6.66E-07	1.51E-06	6.40E-08	5.50E-07	1.19E-06
9,227	1.04E-07	8.60E-07	1.90E-06	8.33E-08	6.78E-07	1.52E-06	5.06E-08	4.36E-07	9.54E-07	6.40E-08	5.51E-07	1.21E-06	7.53E-08	6.23E-07	1.39E-06	8.25E-08	6.66E-07	1.51E-06	6.39E-08	5.49E-07	1.19E-06
9,228	1.03E-07	8.59E-07	1.90E-06	8.33E-08	6.78E-07	1.52E-06	5.06E-08	4.36E-07	9.54E-07	6.40E-08	5.50E-07	1.21E-06	7.53E-08	6.23E-07	1.39E-06	8.24E-08	6.65E-07	1.51E-06	6.39E-08	5.49E-07	1.19E-06
9,229	1.03E-07	8.57E-07	1.90E-06	8.33E-08	6.77E-07	1.52E-06	5.06E-08	4.36E-07	9.53E-07	6.38E-08	5.50E-07	1.21E-06	7.52E-08	6.23E-07	1.39E-06	8.24E-08	6.65E-07	1.51E-06	6.38E-08	5.49E-07	1.19E-06
9,230	1.03E-07	8.57E-07	1.89E-06	8.33E-08	6.77E-07	1.52E-06	5.06E-08	4.35E-07	9.53E-07	6.38E-08	5.50E-07	1.21E-06	7.51E-08	6.23E-07	1.39E-06	8.23E-08	6.65E-07	1.51E-06	6.37E-08	5.49E-07	1.19E-06
9,231	1.03E-07	8.57E-07	1.89E-06	8.31E-08	6.76E-07	1.51E-06	5.05E-08	4.34E-07	9.53E-07	6.36E-08	5.49E-07	1.21E-06	7.51E-08	6.23E-07	1.39E-06	8.23E-08	6.64E-07	1.51E-06	6.37E-08	5.48E-07	1.19E-06
9,232	1.03E-07	8.55E-07	1.89E-06	8.30E-08	6.76E-07	1.51E-06	5.05E-08	4.33E-07	9.52E-07	6.35E-08	5.49E-07	1.20E-06	7.49E-08	6.22E-07	1.39E-06	8.22E-08	6.64E-07	1.51E-06	6.36E-08	5.48E-07	1.18E-06
9,233	1.03E-07	8.55E-07	1.89E-06	8.29E-08	6.76E-07	1.51E-06	5.05E-08	4.33E-07	9.52E-07	6.35E-08	5.49E-07	1.20E-06	7.49E-08	6.22E-07	1.39E-06	8.20E-08	6.64E-07	1.51E-06	6.33E-08	5.48E-07	1.18E-06
9,234	1.03E-07	8.55E-07	1.89E-06	8.29E-08	6.76E-07	1.51E-06	5.05E-08	4.33E-07	9.51E-07	6.35E-08	5.48E-07	1.20E-06	7.48E-08	6.21E-07	1.39E-06	8.19E-08	6.63E-07	1.50E-06	6.33E-08	5.47E-07	1.18E-06
9,235	1.03E-07	8.53E-07	1.89E-06	8.29E-08	6.75E-07	1.51E-06	5.05E-08	4.33E-07	9.51E-07	6.35E-08	5.46E-07	1.20E-06	7.48E-08	6.21E-07	1.38E-06	8.18E-08	6.63E-07	1.50E-06	6.33E-08	5.47E-07	1.18E-06
9,236	1.03E-07	8.51E-07	1.89E-06	8.28E-08	6.74E-07	1.51E-06	5.04E-08	4.32E-07	9.51E-07	6.35E-08	5.46E-07	1.20E-06	7.47E-08	6.20E-07	1.38E-06	8.17E-08	6.63E-07	1.50E-06	6.32E-08	5.47E-07	1.18E-06
9,237	1.03E-07	8.51E-07	1.89E-06	8.28E-08	6.74E-07	1.50E-06	5.04E-08	4.32E-07	9.50E-07	6.34E-08	5.46E-07	1.19E-06	7.46E-08	6.20E-07	1.38E-06	8.17E-08	6.63E-07	1.50E-06	6.32E-08	5.47E-07	1.18E-06
9,238	1.03E-07	8.50E-07	1.88E-06	8.26E-08	6.73E-07	1.50E-06	5.04E-08	4.31E-07	9.50E-07	6.34E-08	5.45E-07	1.19E-06	7.46E-08	6.20E-07	1.38E-06	8.14E-08	6.61E-07	1.49E-06	6.30E-08	5.46E-07	1.18E-06
9,239	1.03E-07	8.49E-07	1.88E-06	8.25E-08	6.72E-07	1.50E-06	5.03E-08	4.31E-07	9.50E-07	6.34E-08	5.45E-07	1.19E-06	7.46E-08	6.19E-07	1.38E-06	8.14E-08	6.61E-07	1.49E-06	6.29E-08	5.46E-07	1.18E-06
9,240	1.03E-07	8.48E-07	1.88E-06	8.25E-08	6.71E-07	1.50E-06	5.03E-08	4.30E-07	9.50E-07	6.32E-08	5.44E-07	1.19E-06	7.46E-08	6.18E-07	1.38E-06	8.13E-08	6.61E-07	1.49E-06	6.29E-08	5.46E-07	1.18E-06
9,241	1.03E-07	8.48E-07	1.88E-06	8.25E-08	6.71E-07	1.50E-06	5.03E-08	4.30E-07	9.48E-07	6.31E-08	5.44E-07	1.19E-06	7.45E-08	6.18E-07	1.37E-06	8.13E-08	6.61E-07	1.49E-06	6.29E-08	5.46E-07	1.18E-06
9,242	1.02E-07	8.48E-07	1.88E-06	8.25E-08	6.70E-07	1.50E-06	5.02E-08	4.30E-07	9.47E-07	6.31E-08	5.44E-07	1.19E-06	7.45E-08	6.17E-07	1.37E-06	8.12E-08	6.59E-07	1.49E-06	6.28E-08	5.44E-07	1.18E-06
9,243	1.02E-07	8.47E-07	1.87E-06	8.24E-08	6.70E-07	1.50E-06	5.02E-08	4.29E-07	9.47E-07	6.31E-08	5.44E-07	1.19E-06	7.44E-08	6.17E-07	1.37E-06	8.11E-08	6.59E-07	1.49E-06	6.27E-08	5.43E-07	1.18E-06
9,244	1.02E-07	8.47E-07	1.87E-06	8.24E-08	6.69E-07	1.49E-06	5.02E-08	4.29E-07	9.46E-07	6.31E-08	5.44E-07	1.19E-06	7.43E-08	6.17E-07	1.37E-06	8.11E-08	6.59E-07	1.48E-06	6.26E-08	5.42E-07	1.18E-06
9,245	1.02E-07	8.47E-07	1.87E-06	8.23E-08	6.67E-07	1.49E-06	5.02E-08	4.29E-07	9.46E-07	6.31E-08	5.44E-07	1.19E-06	7.41E-08	6.16E-07	1.37E-06	8.10E-08	6.58E-07	1.48E-06	6.26E-08	5.42E-07	1.18E-06
9,246	1.02E-07	8.46E-07	1.87E-06	8.23E-08	6.67E-07	1.49E-06	5.01E-08	4.29E-07	9.46E-07	6.31E-08	5.43E-07	1.19E-06	7.41E-08	6.16E-07	1.37E-06	8.09E-08	6.57E-07	1.48E-06	6.25E-08	5.42E-07	1.18E-06
9,247	1.02E-07	8.46E-07	1.87E-06	8.21E-08	6.66E-07	1.49E-06	5.01E-08	4.29E-07	9.45E-07	6.30E-08	5.43E-07	1.19E-06	7.41E-08	6.15E-07	1.37E-06	8.09E-08	6.56E-07	1.48E-06	6.25E-08	5.42E-07	1.18E-06
9,248	1.02E-07	8.46E-07	1.87E-06	8.21E-08	6.66E-07	1.49E-06	5.00E-08	4.29E-07	9.45E-07	6.30E-08	5.43E-07	1.18E-06	7.40E-08	6.14E-07	1.37E-06	8.08E-08	6.56E-07	1.48E-06	6.24E-08	5.42E-07	1.17E-06
9,249	1.02E-07	8.46E-07	1.87E-06	8.19E-08	6.66E-07	1.48E-06	4.99E-08	4.28E-07	9.44E-07	6.30E-08	5.43E-07	1.18E-06	7.40E-08	6.14E-07	1.37E-06	8.08E-08	6.56E-07	1.48E-06	6.24E-08	5.40E-07	1.17E-06
9,250	1.02E-07	8.44E-07	1.87E-06	8.18E-08	6.65E-07	1.48E-06	4.99E-08	4.27E-07	9.43E-07	6.29E-08	5.43E-07	1.18E-06	7.39E-08	6.13E-07	1.36E-06	8.07E-08	6.56E-07	1.48E-06	6.24E-08	5.40E-07	1.17E-06
9,251	1.02E-07	8.43E-07	1.87E-06	8.18E-08	6.64E-07	1.48E-06	4.98E-08	4.27E-07	9.43E-07	6.29E-08	5.43E-07	1.18E-06	7.39E-08	6.13E-07	1.36E-06	8.06E-08	6.54E-07	1.48E-06	6.23E-08	5.39E-07	1.17E-06
9,252	1.02E-07	8.42E-07	1.87E-06	8.18E-08	6.64E-07	1.48E-06	4.98E-08	4.26E-07	9.42E-07	6.29E-08	5.41E-07	1.18E-06	7.39E-08	6.12E-07	1.36E-06	8.06E-08	6.52E-07	1.48E-06	6.23E-08	5.38E-07	1.17E-06
9,253	1.02E-07	8.42E-07	1.86E-06	8.18E-08	6.64E-07	1.48E-06	4.97E-08	4.26E-07	9.41E-07	6.29E-08	5.41E-07	1.18E-06	7.37E-08	6.10E-07	1.36E-06	8.06E-08	6.51E-07	1.48E-06	6.23E-08	5.38E-07	1.17E-06
9,254	1.02E-07	8.41E-07	1.86E-06	8.17E-08	6.64E-07	1.48E-06	4.96E-08	4.26E-07	9.40E-07	6.28E-08	5.41E-07	1.18E-06	7.37E-08	6.10E-07	1.36E-06	8.05E-08	6.51E-07	1.48E-06	6.22E-08	5.38E-07	1.17E-06
9,255	1.01E-07	8.41E-07	1.86E-06	8.17E-08	6.64E-07	1.48E-06	4.96E-08	4.25E-07	9.39E-07	6.28E-08	5.40E-07	1.18E-06	7.36E-08	6.10E-07	1.36E-06	8.05E-08	6.50E-07	1.48E-06	6.22E-08	5.38E-07	1.17E-06
9,256	1.01E-07	8.38E-07	1.86E-06	8.16E-08	6.63E-07	1.48E-06	4.95E-08	4.25E-07	9.39E-07	6.27E-08	5.40E-07	1.18E-06	7.36E-08	6.09E-07	1.36E-06	8.05E-08	6.49E-07	1.48E-06	6.21E-08	5.36E-07	1.17E-06
9,257	1.01E-07	8.37E-07	1.86E-06	8.14E-08	6.63E-07	1.48E-06	4.95E-08	4.25E-07	9.39E-07	6.27E-08	5.39E-07	1.17E-06	7.35E-08	6.08E-07	1.36E-06	8.04E-08	6.48E-07	1.48E-06	6.21E-08	5.36E-07	1.17E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,278	9.93E-08	8.27E-07	1.83E-06	7.98E-08	6.51E-07	1.45E-06	4.88E-08	4.21E-07	9.23E-07	6.15E-08	5.26E-07	1.15E-06	7.25E-08	5.99E-07	1.34E-06	7.93E-08	6.38E-07	1.46E-06	6.08E-08	5.26E-07	1.15E-06
9,279	9.91E-08	8.27E-07	1.83E-06	7.98E-08	6.50E-07	1.45E-06	4.88E-08	4.21E-07	9.22E-07	6.15E-08	5.25E-07	1.15E-06	7.24E-08	5.99E-07	1.34E-06	7.91E-08	6.37E-07	1.45E-06	6.06E-08	5.25E-07	1.15E-06
9,280	9.91E-08	8.26E-07	1.82E-06	7.98E-08	6.50E-07	1.44E-06	4.87E-08	4.21E-07	9.22E-07	6.14E-08	5.25E-07	1.15E-06	7.23E-08	5.99E-07	1.34E-06	7.91E-08	6.36E-07	1.45E-06	6.06E-08	5.24E-07	1.15E-06
9,281	9.91E-08	8.25E-07	1.82E-06	7.97E-08	6.50E-07	1.44E-06	4.86E-08	4.20E-07	9.22E-07	6.14E-08	5.24E-07	1.15E-06	7.23E-08	5.98E-07	1.34E-06	7.91E-08	6.36E-07	1.45E-06	6.05E-08	5.23E-07	1.15E-06
9,282	9.91E-08	8.23E-07	1.82E-06	7.97E-08	6.49E-07	1.44E-06	4.86E-08	4.20E-07	9.21E-07	6.13E-08	5.24E-07	1.14E-06	7.22E-08	5.97E-07	1.33E-06	7.90E-08	6.36E-07	1.45E-06	6.05E-08	5.23E-07	1.14E-06
9,283	9.91E-08	8.22E-07	1.82E-06	7.97E-08	6.48E-07	1.44E-06	4.86E-08	4.19E-07	9.21E-07	6.13E-08	5.24E-07	1.14E-06	7.22E-08	5.93E-07	1.33E-06	7.90E-08	6.35E-07	1.45E-06	6.05E-08	5.23E-07	1.14E-06
9,284	9.91E-08	8.22E-07	1.82E-06	7.96E-08	6.48E-07	1.44E-06	4.86E-08	4.19E-07	9.20E-07	6.11E-08	5.24E-07	1.14E-06	7.22E-08	5.93E-07	1.33E-06	7.90E-08	6.35E-07	1.45E-06	6.03E-08	5.22E-07	1.14E-06
9,285	9.91E-08	8.21E-07	1.82E-06	7.96E-08	6.47E-07	1.44E-06	4.86E-08	4.18E-07	9.19E-07	6.10E-08	5.23E-07	1.14E-06	7.21E-08	5.92E-07	1.33E-06	7.90E-08	6.34E-07	1.44E-06	6.03E-08	5.22E-07	1.14E-06
9,286	9.90E-08	8.21E-07	1.81E-06	7.96E-08	6.46E-07	1.44E-06	4.85E-08	4.16E-07	9.13E-07	6.10E-08	5.21E-07	1.14E-06	7.21E-08	5.92E-07	1.33E-06	7.90E-08	6.34E-07	1.44E-06	6.03E-08	5.22E-07	1.14E-06
9,287	9.89E-08	8.20E-07	1.81E-06	7.95E-08	6.46E-07	1.44E-06	4.85E-08	4.16E-07	9.12E-07	6.09E-08	5.21E-07	1.14E-06	7.18E-08	5.91E-07	1.33E-06	7.89E-08	6.33E-07	1.44E-06	6.02E-08	5.21E-07	1.14E-06
9,288	9.85E-08	8.18E-07	1.81E-06	7.95E-08	6.45E-07	1.44E-06	4.85E-08	4.16E-07	9.12E-07	6.09E-08	5.20E-07	1.14E-06	7.18E-08	5.91E-07	1.33E-06	7.88E-08	6.33E-07	1.44E-06	6.02E-08	5.21E-07	1.14E-06
9,289	9.85E-08	8.16E-07	1.81E-06	7.94E-08	6.44E-07	1.44E-06	4.85E-08	4.15E-07	9.12E-07	6.09E-08	5.20E-07	1.14E-06	7.17E-08	5.90E-07	1.33E-06	7.87E-08	6.33E-07	1.43E-06	6.02E-08	5.19E-07	1.14E-06
9,290	9.84E-08	8.16E-07	1.80E-06	7.94E-08	6.44E-07	1.44E-06	4.84E-08	4.14E-07	9.11E-07	6.07E-08	5.20E-07	1.14E-06	7.16E-08	5.90E-07	1.33E-06	7.87E-08	6.32E-07	1.43E-06	6.02E-08	5.19E-07	1.14E-06
9,291	9.83E-08	8.16E-07	1.80E-06	7.94E-08	6.44E-07	1.44E-06	4.84E-08	4.14E-07	9.11E-07	6.06E-08	5.19E-07	1.14E-06	7.16E-08	5.89E-07	1.33E-06	7.86E-08	6.32E-07	1.43E-06	6.02E-08	5.18E-07	1.14E-06
9,292	9.81E-08	8.16E-07	1.79E-06	7.94E-08	6.44E-07	1.43E-06	4.84E-08	4.14E-07	9.10E-07	6.05E-08	5.18E-07	1.14E-06	7.16E-08	5.88E-07	1.33E-06	7.86E-08	6.31E-07	1.43E-06	6.01E-08	5.18E-07	1.13E-06
9,293	9.81E-08	8.15E-07	1.79E-06	7.94E-08	6.43E-07	1.43E-06	4.84E-08	4.14E-07	9.09E-07	6.05E-08	5.18E-07	1.14E-06	7.15E-08	5.88E-07	1.33E-06	7.85E-08	6.30E-07	1.43E-06	6.01E-08	5.18E-07	1.13E-06
9,294	9.81E-08	8.14E-07	1.79E-06	7.93E-08	6.43E-07	1.43E-06	4.82E-08	4.13E-07	9.08E-07	6.03E-08	5.18E-07	1.13E-06	7.14E-08	5.86E-07	1.33E-06	7.84E-08	6.30E-07	1.43E-06	6.01E-08	5.17E-07	1.13E-06
9,295	9.80E-08	8.13E-07	1.79E-06	7.93E-08	6.43E-07	1.43E-06	4.82E-08	4.13E-07	9.08E-07	6.03E-08	5.16E-07	1.13E-06	7.13E-08	5.86E-07	1.33E-06	7.82E-08	6.29E-07	1.43E-06	6.00E-08	5.17E-07	1.13E-06
9,296	9.80E-08	8.12E-07	1.79E-06	7.93E-08	6.43E-07	1.43E-06	4.81E-08	4.13E-07	9.08E-07	6.03E-08	5.16E-07	1.13E-06	7.13E-08	5.85E-07	1.32E-06	7.82E-08	6.29E-07	1.43E-06	5.98E-08	5.17E-07	1.13E-06
9,297	9.79E-08	8.12E-07	1.79E-06	7.93E-08	6.41E-07	1.43E-06	4.81E-08	4.12E-07	9.07E-07	6.02E-08	5.16E-07	1.13E-06	7.13E-08	5.85E-07	1.32E-06	7.82E-08	6.28E-07	1.43E-06	5.98E-08	5.14E-07	1.12E-06
9,298	9.79E-08	8.12E-07	1.79E-06	7.92E-08	6.40E-07	1.43E-06	4.81E-08	4.12E-07	9.06E-07	6.02E-08	5.15E-07	1.13E-06	7.13E-08	5.84E-07	1.32E-06	7.81E-08	6.28E-07	1.42E-06	5.97E-08	5.14E-07	1.12E-06
9,299	9.79E-08	8.12E-07	1.79E-06	7.92E-08	6.40E-07	1.43E-06	4.81E-08	4.12E-07	9.05E-07	6.02E-08	5.15E-07	1.13E-06	7.13E-08	5.83E-07	1.32E-06	7.80E-08	6.28E-07	1.42E-06	5.97E-08	5.13E-07	1.12E-06
9,300	9.78E-08	8.11E-07	1.79E-06	7.91E-08	6.39E-07	1.43E-06	4.80E-08	4.12E-07	9.05E-07	6.02E-08	5.14E-07	1.13E-06	7.12E-08	5.83E-07	1.32E-06	7.80E-08	6.27E-07	1.42E-06	5.97E-08	5.13E-07	1.12E-06
9,301	9.77E-08	8.11E-07	1.78E-06	7.91E-08	6.38E-07	1.42E-06	4.79E-08	4.12E-07	9.05E-07	6.02E-08	5.14E-07	1.13E-06	7.12E-08	5.82E-07	1.32E-06	7.79E-08	6.27E-07	1.42E-06	5.97E-08	5.13E-07	1.12E-06
9,302	9.76E-08	8.11E-07	1.78E-06	7.90E-08	6.38E-07	1.42E-06	4.79E-08	4.12E-07	9.04E-07	6.01E-08	5.14E-07	1.13E-06	7.12E-08	5.82E-07	1.31E-06	7.79E-08	6.26E-07	1.42E-06	5.96E-08	5.11E-07	1.12E-06
9,303	9.75E-08	8.10E-07	1.78E-06	7.89E-08	6.36E-07	1.42E-06	4.79E-08	4.12E-07	9.04E-07	6.01E-08	5.14E-07	1.13E-06	7.11E-08	5.81E-07	1.31E-06	7.77E-08	6.26E-07	1.42E-06	5.95E-08	5.11E-07	1.12E-06
9,304	9.75E-08	8.10E-07	1.78E-06	7.89E-08	6.36E-07	1.42E-06	4.79E-08	4.12E-07	9.02E-07	6.00E-08	5.13E-07	1.13E-06	7.11E-08	5.81E-07	1.31E-06	7.77E-08	6.26E-07	1.42E-06	5.95E-08	5.09E-07	1.12E-06
9,305	9.75E-08	8.10E-07	1.78E-06	7.89E-08	6.36E-07	1.42E-06	4.78E-08	4.12E-07	9.01E-07	6.00E-08	5.13E-07	1.13E-06	7.10E-08	5.81E-07	1.31E-06	7.77E-08	6.25E-07	1.42E-06	5.95E-08	5.09E-07	1.12E-06
9,306	9.74E-08	8.10E-07	1.78E-06	7.89E-08	6.35E-07	1.42E-06	4.78E-08	4.11E-07	9.01E-07	6.00E-08	5.13E-07	1.13E-06	7.09E-08	5.80E-07	1.31E-06	7.76E-08	6.25E-07	1.42E-06	5.95E-08	5.09E-07	1.12E-06
9,307	9.74E-08	8.08E-07	1.78E-06	7.86E-08	6.34E-07	1.42E-06	4.78E-08	4.11E-07	9.00E-07	5.99E-08	5.13E-07	1.12E-06	7.09E-08	5.80E-07	1.31E-06	7.76E-08	6.24E-07	1.41E-06	5.93E-08	5.07E-07	1.12E-06
9,308	9.74E-08	8.08E-07	1.77E-06	7.85E-08	6.34E-07	1.42E-06	4.77E-08	4.11E-07	9.00E-07	5.99E-08	5.13E-07	1.12E-06	7.08E-08	5.80E-07	1.31E-06	7.74E-08	6.23E-07	1.41E-06	5.92E-08	5.06E-07	1.12E-06
9,309	9.73E-08	8.08E-07	1.77E-06	7.85E-08	6.34E-07	1.42E-06	4.77E-08	4.11E-07	9.00E-07	5.99E-08	5.13E-07	1.12E-06	7.08E-08	5.79E-07	1.31E-06	7.74E-08	6.21E-07	1.41E-06	5.92E-08	5.06E-07	1.11E-06
9,310	9.69E-08	8.07E-07	1.77E-06	7.84E-08	6.33E-07	1.42E-06	4.77E-08	4.10E-07	8.99E-07	5.99E-08	5.13E-07	1.12E-06	7.08E-08	5.79E-07	1.31E-06	7.72E-08	6.21E-07	1.41E-06	5.91E-08	5.05E-07	1.11E-06
9,311	9.68E-08	8.07E-07	1.77E-06	7.84E-08	6.32E-07	1.42E-06	4.77E-08	4.10E-07	8.97E-07	5.98E-08	5.13E-07	1.12E-06	7.08E-08	5.79E-07	1.31E-06	7.71E-08	6.21E-07	1.41E-06	5.91E-08	5.05E-07	1.11E-06
9,312	9.66E-08	8.06E-07	1.77E-06	7.82E-08	6.32E-07	1.42E-06	4.76E-08	4.10E-07	8.96E-07	5.98E-08	5.12E-07	1.12E-06	7.08E-08	5.78E-07	1.30E-06	7.70E-08	6.21E-07	1.41E-06	5.90E-08	5.05E-07	1.11E-06
9,313	9.65E-08	8.05E-07	1.77E-06	7.81E-08	6.32E-07	1.42E-06	4.76E-08	4.10E-07	8.95E-07	5.98E-08	5.12E-07	1.12E-06	7.07E-08	5.77E-07	1.30E-06	7.68E-08	6.20E-07	1.41E-06	5.90E-08	5.04E-07	1.11E-06
9,314	9.65E-08	8.03E-07	1.77E-06	7.80E-08	6.32E-07	1.41E-06	4.75E-08	4.09E-07	8.95E-07	5.97E-08	5.12E-07	1.11E-06	7.07E-08	5.77E-07	1.30E-06	7.68E-08	6.20E-07	1.41E-06	5.90E-08	5.04E-07	1.10E-06
9,315	9.64E-08	8.03E-07	1.77E-06	7.80E-08	6.31E-07	1.41E-06	4.75E-08	4.09E-07	8.94E-07	5.97E-08	5.12E-07	1.11E-06	7.07E-08	5.77E-07	1.30E-06	7.68E-08	6.20E-07	1.40E-06	5.90E-08	5.04E-07	1.10E-06
9,316	9.63E-08	8.03E-07	1.77E-06	7.78E-08	6.30E-07	1.41E-06	4.75E-08	4.08E-07	8.93E-07	5.97E-08	5.12E-07	1.11E-06	7.07E-08	5.77E-07	1.30E-06	7.67E-08	6.19E-07	1.40E-06	5.89E-08	5.04E-07	1.10E-06
9,317	9.62E-08	8.02E-07	1.77E-06	7.78E-08	6.29E-07	1.41E-06	4.74E-08	4.08E-07	8.92E-07	5.96E-08	5.12E-07	1.11E-06	7.06E-08	5.77E-07	1.30E-06	7.67E-08	6.19E-07	1.40E-06	5.89E-08	5.03E-07	1.10E-06
9,318	9.61E-08	8.02E-07	1.76E-06	7.75E-08	6.27E-07	1.41E-06	4.74E-08	4.08E-07	8.91E-07	5.96E-08	5.11E-07	1.11E-06	7.05E-08	5.76E-07	1.29E-06	7.66E-08	6.19E-07	1.40E-06	5.88E-08	5.03E-07	1.10E-06
9,319	9.60E-08	8.01E-07	1.76E-06	7.75E-08	6.27E-07	1.40E-06	4.73E-08	4.07E-07	8.91E-07	5.96E-08	5.10E-07	1.11E-06	7.03E-08	5.76E-07	1.29E-06	7.66E-08	6.19E-07	1.40E-06	5.87E-08	5.02E-07	1.10E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,340	9.42E-08	7.88E-07	1.73E-06	7.60E-08	6.14E-07	1.37E-06	4.67E-08	4.00E-07	8.75E-07	5.86E-08	5.03E-07	1.10E-06	6.93E-08	5.65E-07	1.27E-06	7.45E-08	6.09E-07	1.38E-06	5.75E-08	4.91E-07	1.07E-06
9,341	9.42E-08	7.87E-07	1.73E-06	7.59E-08	6.14E-07	1.37E-06	4.67E-08	4.00E-07	8.74E-07	5.86E-08	5.03E-07	1.10E-06	6.90E-08	5.65E-07	1.26E-06	7.45E-08	6.08E-07	1.37E-06	5.75E-08	4.90E-07	1.07E-06
9,342	9.42E-08	7.87E-07	1.73E-06	7.57E-08	6.11E-07	1.37E-06	4.66E-08	4.00E-07	8.74E-07	5.86E-08	5.03E-07	1.10E-06	6.90E-08	5.64E-07	1.26E-06	7.45E-08	6.08E-07	1.37E-06	5.74E-08	4.89E-07	1.07E-06
9,343	9.41E-08	7.86E-07	1.73E-06	7.56E-08	6.10E-07	1.37E-06	4.66E-08	4.00E-07	8.73E-07	5.86E-08	5.02E-07	1.09E-06	6.89E-08	5.64E-07	1.26E-06	7.45E-08	6.08E-07	1.37E-06	5.74E-08	4.89E-07	1.07E-06
9,344	9.41E-08	7.86E-07	1.73E-06	7.55E-08	6.09E-07	1.37E-06	4.66E-08	4.00E-07	8.73E-07	5.84E-08	5.02E-07	1.09E-06	6.87E-08	5.64E-07	1.26E-06	7.43E-08	6.08E-07	1.37E-06	5.73E-08	4.88E-07	1.07E-06
9,345	9.41E-08	7.86E-07	1.73E-06	7.55E-08	6.08E-07	1.37E-06	4.66E-08	3.99E-07	8.72E-07	5.84E-08	5.02E-07	1.09E-06	6.87E-08	5.64E-07	1.26E-06	7.42E-08	6.07E-07	1.37E-06	5.73E-08	4.88E-07	1.07E-06
9,346	9.40E-08	7.85E-07	1.73E-06	7.55E-08	6.07E-07	1.37E-06	4.65E-08	3.99E-07	8.72E-07	5.84E-08	5.02E-07	1.09E-06	6.86E-08	5.63E-07	1.26E-06	7.41E-08	6.07E-07	1.37E-06	5.72E-08	4.87E-07	1.07E-06
9,347	9.40E-08	7.84E-07	1.73E-06	7.54E-08	6.06E-07	1.36E-06	4.65E-08	3.99E-07	8.71E-07	5.83E-08	5.02E-07	1.09E-06	6.86E-08	5.63E-07	1.26E-06	7.41E-08	6.07E-07	1.36E-06	5.71E-08	4.87E-07	1.07E-06
9,348	9.39E-08	7.83E-07	1.73E-06	7.53E-08	6.05E-07	1.36E-06	4.65E-08	3.99E-07	8.68E-07	5.83E-08	5.02E-07	1.09E-06	6.85E-08	5.63E-07	1.26E-06	7.40E-08	6.07E-07	1.36E-06	5.70E-08	4.86E-07	1.07E-06
9,349	9.38E-08	7.83E-07	1.72E-06	7.52E-08	6.05E-07	1.36E-06	4.64E-08	3.98E-07	8.68E-07	5.78E-08	5.01E-07	1.09E-06	6.85E-08	5.62E-07	1.25E-06	7.40E-08	6.06E-07	1.35E-06	5.70E-08	4.85E-07	1.07E-06
9,350	9.38E-08	7.83E-07	1.72E-06	7.50E-08	6.05E-07	1.36E-06	4.64E-08	3.97E-07	8.68E-07	5.78E-08	4.99E-07	1.09E-06	6.85E-08	5.62E-07	1.25E-06	7.40E-08	6.05E-07	1.35E-06	5.69E-08	4.85E-07	1.07E-06
9,351	9.35E-08	7.82E-07	1.72E-06	7.49E-08	6.04E-07	1.36E-06	4.64E-08	3.97E-07	8.67E-07	5.77E-08	4.99E-07	1.09E-06	6.84E-08	5.62E-07	1.25E-06	7.39E-08	6.04E-07	1.35E-06	5.69E-08	4.85E-07	1.06E-06
9,352	9.34E-08	7.82E-07	1.72E-06	7.48E-08	6.04E-07	1.36E-06	4.63E-08	3.97E-07	8.67E-07	5.77E-08	4.98E-07	1.09E-06	6.83E-08	5.61E-07	1.25E-06	7.38E-08	6.04E-07	1.35E-06	5.68E-08	4.85E-07	1.06E-06
9,353	9.34E-08	7.81E-07	1.72E-06	7.47E-08	6.03E-07	1.36E-06	4.63E-08	3.96E-07	8.67E-07	5.77E-08	4.98E-07	1.09E-06	6.82E-08	5.61E-07	1.25E-06	7.38E-08	6.04E-07	1.35E-06	5.68E-08	4.85E-07	1.06E-06
9,354	9.34E-08	7.81E-07	1.72E-06	7.46E-08	6.03E-07	1.36E-06	4.63E-08	3.96E-07	8.65E-07	5.77E-08	4.98E-07	1.08E-06	6.81E-08	5.60E-07	1.25E-06	7.38E-08	6.02E-07	1.35E-06	5.68E-08	4.85E-07	1.06E-06
9,355	9.34E-08	7.80E-07	1.72E-06	7.45E-08	6.03E-07	1.36E-06	4.63E-08	3.96E-07	8.64E-07	5.76E-08	4.97E-07	1.08E-06	6.81E-08	5.60E-07	1.25E-06	7.36E-08	6.02E-07	1.35E-06	5.68E-08	4.84E-07	1.06E-06
9,356	9.34E-08	7.80E-07	1.72E-06	7.45E-08	6.03E-07	1.36E-06	4.62E-08	3.95E-07	8.62E-07	5.76E-08	4.97E-07	1.08E-06	6.80E-08	5.59E-07	1.25E-06	7.36E-08	6.02E-07	1.35E-06	5.67E-08	4.82E-07	1.06E-06
9,357	9.32E-08	7.78E-07	1.72E-06	7.45E-08	6.01E-07	1.36E-06	4.62E-08	3.95E-07	8.62E-07	5.76E-08	4.97E-07	1.08E-06	6.80E-08	5.58E-07	1.24E-06	7.35E-08	6.02E-07	1.35E-06	5.66E-08	4.82E-07	1.06E-06
9,358	9.31E-08	7.77E-07	1.71E-06	7.44E-08	6.01E-07	1.36E-06	4.60E-08	3.95E-07	8.62E-07	5.76E-08	4.96E-07	1.08E-06	6.79E-08	5.58E-07	1.24E-06	7.34E-08	6.01E-07	1.35E-06	5.66E-08	4.82E-07	1.06E-06
9,359	9.30E-08	7.75E-07	1.71E-06	7.42E-08	6.01E-07	1.35E-06	4.60E-08	3.94E-07	8.60E-07	5.75E-08	4.96E-07	1.08E-06	6.79E-08	5.57E-07	1.24E-06	7.34E-08	6.01E-07	1.34E-06	5.65E-08	4.82E-07	1.06E-06
9,360	9.29E-08	7.75E-07	1.71E-06	7.42E-08	6.00E-07	1.35E-06	4.60E-08	3.93E-07	8.59E-07	5.72E-08	4.95E-07	1.08E-06	6.78E-08	5.57E-07	1.24E-06	7.33E-08	6.01E-07	1.34E-06	5.64E-08	4.81E-07	1.06E-06
9,361	9.28E-08	7.72E-07	1.71E-06	7.42E-08	6.00E-07	1.35E-06	4.59E-08	3.93E-07	8.59E-07	5.72E-08	4.95E-07	1.08E-06	6.78E-08	5.56E-07	1.24E-06	7.33E-08	6.01E-07	1.34E-06	5.64E-08	4.81E-07	1.06E-06
9,362	9.28E-08	7.71E-07	1.71E-06	7.41E-08	6.00E-07	1.35E-06	4.59E-08	3.93E-07	8.57E-07	5.71E-08	4.94E-07	1.08E-06	6.78E-08	5.56E-07	1.24E-06	7.31E-08	5.99E-07	1.34E-06	5.64E-08	4.81E-07	1.05E-06
9,363	9.27E-08	7.71E-07	1.71E-06	7.40E-08	6.00E-07	1.35E-06	4.59E-08	3.93E-07	8.57E-07	5.70E-08	4.94E-07	1.07E-06	6.76E-08	5.56E-07	1.24E-06	7.29E-08	5.98E-07	1.34E-06	5.64E-08	4.80E-07	1.05E-06
9,364	9.27E-08	7.71E-07	1.71E-06	7.39E-08	5.99E-07	1.35E-06	4.59E-08	3.93E-07	8.57E-07	5.69E-08	4.94E-07	1.07E-06	6.75E-08	5.55E-07	1.24E-06	7.29E-08	5.97E-07	1.34E-06	5.64E-08	4.80E-07	1.05E-06
9,365	9.26E-08	7.70E-07	1.71E-06	7.39E-08	5.98E-07	1.34E-06	4.59E-08	3.93E-07	8.55E-07	5.68E-08	4.94E-07	1.07E-06	6.75E-08	5.55E-07	1.24E-06	7.28E-08	5.97E-07	1.34E-06	5.63E-08	4.80E-07	1.05E-06
9,366	9.25E-08	7.68E-07	1.71E-06	7.39E-08	5.97E-07	1.34E-06	4.59E-08	3.92E-07	8.55E-07	5.68E-08	4.94E-07	1.07E-06	6.74E-08	5.54E-07	1.24E-06	7.28E-08	5.97E-07	1.34E-06	5.62E-08	4.80E-07	1.05E-06
9,367	9.22E-08	7.68E-07	1.71E-06	7.39E-08	5.97E-07	1.34E-06	4.58E-08	3.92E-07	8.54E-07	5.68E-08	4.93E-07	1.07E-06	6.73E-08	5.54E-07	1.23E-06	7.28E-08	5.96E-07	1.34E-06	5.62E-08	4.79E-07	1.05E-06
9,368	9.22E-08	7.68E-07	1.70E-06	7.38E-08	5.97E-07	1.34E-06	4.56E-08	3.90E-07	8.53E-07	5.67E-08	4.93E-07	1.07E-06	6.73E-08	5.53E-07	1.23E-06	7.27E-08	5.95E-07	1.34E-06	5.60E-08	4.79E-07	1.05E-06
9,369	9.20E-08	7.67E-07	1.70E-06	7.38E-08	5.96E-07	1.34E-06	4.56E-08	3.89E-07	8.53E-07	5.67E-08	4.93E-07	1.07E-06	6.70E-08	5.53E-07	1.23E-06	7.27E-08	5.95E-07	1.34E-06	5.60E-08	4.79E-07	1.05E-06
9,370	9.19E-08	7.66E-07	1.70E-06	7.37E-08	5.96E-07	1.34E-06	4.56E-08	3.88E-07	8.53E-07	5.67E-08	4.91E-07	1.07E-06	6.69E-08	5.51E-07	1.23E-06	7.27E-08	5.94E-07	1.34E-06	5.59E-08	4.78E-07	1.04E-06
9,371	9.19E-08	7.65E-07	1.70E-06	7.36E-08	5.96E-07	1.34E-06	4.54E-08	3.87E-07	8.52E-07	5.66E-08	4.91E-07	1.07E-06	6.67E-08	5.51E-07	1.23E-06	7.27E-08	5.94E-07	1.34E-06	5.58E-08	4.78E-07	1.04E-06
9,372	9.17E-08	7.64E-07	1.70E-06	7.36E-08	5.95E-07	1.34E-06	4.54E-08	3.87E-07	8.52E-07	5.66E-08	4.91E-07	1.07E-06	6.67E-08	5.49E-07	1.23E-06	7.25E-08	5.93E-07	1.33E-06	5.58E-08	4.77E-07	1.04E-06
9,373	9.16E-08	7.63E-07	1.69E-06	7.36E-08	5.95E-07	1.33E-06	4.54E-08	3.87E-07	8.52E-07	5.66E-08	4.91E-07	1.07E-06	6.67E-08	5.49E-07	1.23E-06	7.25E-08	5.93E-07	1.33E-06	5.57E-08	4.77E-07	1.04E-06
9,374	9.16E-08	7.62E-07	1.69E-06	7.35E-08	5.95E-07	1.33E-06	4.54E-08	3.87E-07	8.52E-07	5.66E-08	4.90E-07	1.06E-06	6.66E-08	5.49E-07	1.23E-06	7.25E-08	5.92E-07	1.33E-06	5.56E-08	4.76E-07	1.04E-06
9,375	9.15E-08	7.62E-07	1.69E-06	7.34E-08	5.95E-07	1.33E-06	4.54E-08	3.87E-07	8.51E-07	5.65E-08	4.89E-07	1.06E-06	6.66E-08	5.49E-07	1.23E-06	7.25E-08	5.89E-07	1.33E-06	5.56E-08	4.76E-07	1.04E-06
9,376	9.13E-08	7.60E-07	1.68E-06	7.34E-08	5.94E-07	1.33E-06	4.53E-08	3.86E-07	8.51E-07	5.65E-08	4.88E-07	1.06E-06	6.66E-08	5.48E-07	1.23E-06	7.24E-08	5.89E-07	1.32E-06	5.56E-08	4.76E-07	1.04E-06
9,377	9.13E-08	7.60E-07	1.68E-06	7.33E-08	5.93E-07	1.33E-06	4.53E-08	3.86E-07	8.51E-07	5.65E-08	4.87E-07	1.06E-06	6.64E-08	5.48E-07	1.23E-06	7.23E-08	5.89E-07	1.32E-06	5.56E-08	4.76E-07	1.04E-06
9,378	9.12E-08	7.58E-07	1.68E-06	7.33E-08	5.93E-07	1.33E-06	4.53E-08	3.86E-07	8.50E-07	5.64E-08	4.87E-07	1.06E-06	6.63E-08	5.48E-07	1.23E-06	7.22E-08	5.88E-07	1.32E-06	5.56E-08	4.75E-07	1.04E-06
9,379	9.11E-08	7.56E-07	1.68E-06	7.32E-08	5.92E-07	1.33E-06	4.52E-08	3.86E-07	8.49E-07	5.63E-08	4.87E-07	1.06E-06	6.62E-08	5.48E-07	1.23E-06	7.21E-08	5.88E-07	1.32E-06	5.55E-08	4.74E-07	1.03E-06
9,380	9.11E-08	7.54E-07	1.67E-06	7.32E-08	5.91E-07	1.32E-06	4.52E-08	3.85E-07	8.49E-07	5.63E-08	4.87E-07	1.06E-06	6.61E-08	5.47E-07	1.22E-06	7.20E-08	5.88E-07	1.32E-06	5.55E-08	4.74E-07	1.03E-06
9,381	9.09E-08	7.53E-07	1.67E-06	7.32E-08	5.91E-07	1.32E-06	4.52E-08	3.85E-07	8.48E-07	5.63E-08	4.87E-07	1.06E-06	6.61E-08	5.46E-07	1.22E-06	7.19E-08	5.87E-07	1.32E-06	5.55E-08	4.74E-07	1.03E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,402	8.92E-08	7.43E-07	1.64E-06	7.13E-08	5.85E-07	1.29E-06	4.43E-08	3.79E-07	8.27E-07	5.50E-08	4.77E-07	1.04E-06	6.47E-08	5.36E-07	1.20E-06	7.06E-08	5.75E-07	1.30E-06	5.46E-08	4.67E-07	1.01E-06
9,403	8.91E-08	7.43E-07	1.64E-06	7.13E-08	5.84E-07	1.29E-06	4.43E-08	3.78E-07	8.27E-07	5.50E-08	4.76E-07	1.04E-06	6.46E-08	5.35E-07	1.20E-06	7.05E-08	5.73E-07	1.30E-06	5.46E-08	4.66E-07	1.01E-06
9,404	8.90E-08	7.43E-07	1.64E-06	7.12E-08	5.84E-07	1.29E-06	4.43E-08	3.78E-07	8.25E-07	5.50E-08	4.74E-07	1.04E-06	6.45E-08	5.34E-07	1.20E-06	7.05E-08	5.72E-07	1.30E-06	5.45E-08	4.66E-07	1.01E-06
9,405	8.89E-08	7.43E-07	1.64E-06	7.11E-08	5.83E-07	1.29E-06	4.43E-08	3.78E-07	8.25E-07	5.50E-08	4.74E-07	1.04E-06	6.44E-08	5.34E-07	1.20E-06	7.05E-08	5.72E-07	1.30E-06	5.45E-08	4.66E-07	1.01E-06
9,406	8.87E-08	7.43E-07	1.64E-06	7.11E-08	5.83E-07	1.29E-06	4.43E-08	3.77E-07	8.24E-07	5.49E-08	4.73E-07	1.04E-06	6.44E-08	5.33E-07	1.20E-06	7.04E-08	5.70E-07	1.30E-06	5.45E-08	4.66E-07	1.01E-06
9,407	8.86E-08	7.42E-07	1.64E-06	7.11E-08	5.83E-07	1.29E-06	4.43E-08	3.77E-07	8.23E-07	5.49E-08	4.73E-07	1.04E-06	6.43E-08	5.33E-07	1.20E-06	7.04E-08	5.70E-07	1.30E-06	5.43E-08	4.65E-07	1.01E-06
9,408	8.86E-08	7.42E-07	1.64E-06	7.09E-08	5.83E-07	1.29E-06	4.42E-08	3.77E-07	8.23E-07	5.49E-08	4.73E-07	1.03E-06	6.43E-08	5.32E-07	1.20E-06	7.03E-08	5.68E-07	1.30E-06	5.41E-08	4.65E-07	1.01E-06
9,409	8.85E-08	7.42E-07	1.64E-06	7.08E-08	5.80E-07	1.29E-06	4.42E-08	3.76E-07	8.22E-07	5.49E-08	4.73E-07	1.03E-06	6.43E-08	5.32E-07	1.20E-06	7.02E-08	5.67E-07	1.30E-06	5.41E-08	4.65E-07	1.01E-06
9,410	8.85E-08	7.41E-07	1.64E-06	7.08E-08	5.80E-07	1.29E-06	4.42E-08	3.76E-07	8.22E-07	5.48E-08	4.72E-07	1.03E-06	6.43E-08	5.32E-07	1.19E-06	7.01E-08	5.67E-07	1.30E-06	5.41E-08	4.65E-07	1.00E-06
9,411	8.85E-08	7.41E-07	1.63E-06	7.07E-08	5.79E-07	1.28E-06	4.41E-08	3.76E-07	8.21E-07	5.47E-08	4.72E-07	1.03E-06	6.42E-08	5.32E-07	1.19E-06	7.01E-08	5.67E-07	1.29E-06	5.41E-08	4.65E-07	1.00E-06
9,412	8.85E-08	7.40E-07	1.63E-06	7.07E-08	5.78E-07	1.28E-06	4.41E-08	3.76E-07	8.21E-07	5.47E-08	4.70E-07	1.03E-06	6.42E-08	5.32E-07	1.19E-06	6.99E-08	5.67E-07	1.29E-06	5.39E-08	4.64E-07	1.00E-06
9,413	8.84E-08	7.40E-07	1.63E-06	7.05E-08	5.78E-07	1.28E-06	4.41E-08	3.76E-07	8.20E-07	5.46E-08	4.69E-07	1.03E-06	6.41E-08	5.31E-07	1.19E-06	6.99E-08	5.66E-07	1.29E-06	5.39E-08	4.64E-07	1.00E-06
9,414	8.83E-08	7.40E-07	1.63E-06	7.05E-08	5.77E-07	1.28E-06	4.41E-08	3.75E-07	8.20E-07	5.45E-08	4.69E-07	1.03E-06	6.39E-08	5.30E-07	1.19E-06	6.97E-08	5.66E-07	1.29E-06	5.38E-08	4.64E-07	1.00E-06
9,415	8.80E-08	7.39E-07	1.63E-06	7.04E-08	5.76E-07	1.28E-06	4.40E-08	3.75E-07	8.19E-07	5.45E-08	4.69E-07	1.03E-06	6.39E-08	5.30E-07	1.19E-06	6.96E-08	5.64E-07	1.29E-06	5.38E-08	4.62E-07	9.98E-07
9,416	8.77E-08	7.39E-07	1.63E-06	7.04E-08	5.75E-07	1.27E-06	4.40E-08	3.75E-07	8.18E-07	5.43E-08	4.69E-07	1.03E-06	6.38E-08	5.29E-07	1.19E-06	6.95E-08	5.64E-07	1.29E-06	5.38E-08	4.62E-07	9.98E-07
9,417	8.77E-08	7.35E-07	1.63E-06	7.04E-08	5.75E-07	1.27E-06	4.40E-08	3.75E-07	8.16E-07	5.43E-08	4.67E-07	1.02E-06	6.38E-08	5.28E-07	1.19E-06	6.93E-08	5.63E-07	1.29E-06	5.36E-08	4.62E-07	9.98E-07
9,418	8.76E-08	7.34E-07	1.62E-06	7.03E-08	5.75E-07	1.27E-06	4.40E-08	3.74E-07	8.16E-07	5.43E-08	4.67E-07	1.02E-06	6.38E-08	5.28E-07	1.19E-06	6.93E-08	5.62E-07	1.29E-06	5.36E-08	4.62E-07	9.96E-07
9,419	8.76E-08	7.34E-07	1.62E-06	7.02E-08	5.73E-07	1.27E-06	4.39E-08	3.74E-07	8.15E-07	5.42E-08	4.67E-07	1.02E-06	6.38E-08	5.26E-07	1.19E-06	6.93E-08	5.62E-07	1.29E-06	5.36E-08	4.62E-07	9.96E-07
9,420	8.76E-08	7.33E-07	1.62E-06	6.97E-08	5.73E-07	1.27E-06	4.39E-08	3.74E-07	8.15E-07	5.42E-08	4.67E-07	1.02E-06	6.37E-08	5.25E-07	1.19E-06	6.92E-08	5.62E-07	1.29E-06	5.35E-08	4.61E-07	9.93E-07
9,421	8.76E-08	7.33E-07	1.62E-06	6.96E-08	5.73E-07	1.27E-06	4.39E-08	3.73E-07	8.15E-07	5.40E-08	4.67E-07	1.02E-06	6.37E-08	5.24E-07	1.18E-06	6.92E-08	5.61E-07	1.29E-06	5.35E-08	4.61E-07	9.90E-07
9,422	8.76E-08	7.33E-07	1.62E-06	6.96E-08	5.73E-07	1.27E-06	4.39E-08	3.73E-07	8.15E-07	5.40E-08	4.66E-07	1.02E-06	6.37E-08	5.24E-07	1.18E-06	6.91E-08	5.61E-07	1.29E-06	5.35E-08	4.60E-07	9.90E-07
9,423	8.75E-08	7.33E-07	1.62E-06	6.94E-08	5.71E-07	1.27E-06	4.38E-08	3.73E-07	8.14E-07	5.40E-08	4.66E-07	1.02E-06	6.37E-08	5.24E-07	1.18E-06	6.90E-08	5.60E-07	1.28E-06	5.35E-08	4.58E-07	9.89E-07
9,424	8.75E-08	7.32E-07	1.61E-06	6.94E-08	5.71E-07	1.27E-06	4.37E-08	3.73E-07	8.14E-07	5.38E-08	4.66E-07	1.01E-06	6.36E-08	5.24E-07	1.18E-06	6.86E-08	5.60E-07	1.28E-06	5.34E-08	4.58E-07	9.89E-07
9,425	8.73E-08	7.32E-07	1.61E-06	6.94E-08	5.69E-07	1.27E-06	4.37E-08	3.73E-07	8.13E-07	5.37E-08	4.66E-07	1.01E-06	6.36E-08	5.24E-07	1.18E-06	6.86E-08	5.60E-07	1.28E-06	5.33E-08	4.57E-07	9.88E-07
9,426	8.72E-08	7.31E-07	1.61E-06	6.94E-08	5.68E-07	1.26E-06	4.37E-08	3.73E-07	8.13E-07	5.37E-08	4.66E-07	1.01E-06	6.35E-08	5.24E-07	1.18E-06	6.84E-08	5.60E-07	1.28E-06	5.33E-08	4.57E-07	9.88E-07
9,427	8.71E-08	7.31E-07	1.61E-06	6.92E-08	5.68E-07	1.26E-06	4.37E-08	3.72E-07	8.12E-07	5.37E-08	4.65E-07	1.01E-06	6.33E-08	5.23E-07	1.18E-06	6.84E-08	5.60E-07	1.28E-06	5.32E-08	4.56E-07	9.88E-07
9,428	8.70E-08	7.31E-07	1.61E-06	6.91E-08	5.68E-07	1.26E-06	4.36E-08	3.72E-07	8.12E-07	5.36E-08	4.65E-07	1.01E-06	6.33E-08	5.23E-07	1.18E-06	6.84E-08	5.58E-07	1.28E-06	5.32E-08	4.55E-07	9.87E-07
9,429	8.70E-08	7.30E-07	1.61E-06	6.91E-08	5.68E-07	1.26E-06	4.36E-08	3.72E-07	8.12E-07	5.35E-08	4.64E-07	1.01E-06	6.32E-08	5.23E-07	1.18E-06	6.83E-08	5.58E-07	1.28E-06	5.32E-08	4.55E-07	9.87E-07
9,430	8.69E-08	7.30E-07	1.61E-06	6.91E-08	5.67E-07	1.26E-06	4.35E-08	3.72E-07	8.09E-07	5.34E-08	4.64E-07	1.00E-06	6.32E-08	5.23E-07	1.18E-06	6.82E-08	5.58E-07	1.28E-06	5.32E-08	4.55E-07	9.86E-07
9,431	8.68E-08	7.29E-07	1.60E-06	6.91E-08	5.67E-07	1.26E-06	4.35E-08	3.71E-07	8.09E-07	5.34E-08	4.64E-07	1.00E-06	6.30E-08	5.22E-07	1.18E-06	6.82E-08	5.57E-07	1.28E-06	5.31E-08	4.54E-07	9.86E-07
9,432	8.67E-08	7.29E-07	1.60E-06	6.90E-08	5.67E-07	1.26E-06	4.34E-08	3.70E-07	8.09E-07	5.33E-08	4.64E-07	1.00E-06	6.30E-08	5.22E-07	1.18E-06	6.82E-08	5.57E-07	1.28E-06	5.31E-08	4.54E-07	9.86E-07
9,433	8.67E-08	7.28E-07	1.60E-06	6.90E-08	5.66E-07	1.26E-06	4.34E-08	3.70E-07	8.09E-07	5.31E-08	4.63E-07	1.00E-06	6.30E-08	5.22E-07	1.18E-06	6.81E-08	5.56E-07	1.28E-06	5.31E-08	4.54E-07	9.85E-07
9,434	8.66E-08	7.28E-07	1.60E-06	6.88E-08	5.65E-07	1.26E-06	4.33E-08	3.70E-07	8.08E-07	5.30E-08	4.62E-07	1.00E-06	6.29E-08	5.21E-07	1.18E-06	6.81E-08	5.56E-07	1.28E-06	5.31E-08	4.53E-07	9.85E-07
9,435	8.65E-08	7.26E-07	1.60E-06	6.87E-08	5.65E-07	1.26E-06	4.33E-08	3.70E-07	8.07E-07	5.30E-08	4.62E-07	1.00E-06	6.28E-08	5.20E-07	1.17E-06	6.80E-08	5.56E-07	1.28E-06	5.30E-08	4.53E-07	9.84E-07
9,436	8.65E-08	7.26E-07	1.60E-06	6.87E-08	5.64E-07	1.26E-06	4.32E-08	3.70E-07	8.07E-07	5.29E-08	4.61E-07	1.00E-06	6.27E-08	5.20E-07	1.17E-06	6.80E-08	5.56E-07	1.27E-06	5.29E-08	4.52E-07	9.83E-07
9,437	8.64E-08	7.26E-07	1.60E-06	6.87E-08	5.64E-07	1.25E-06	4.31E-08	3.70E-07	8.06E-07	5.27E-08	4.61E-07	1.00E-06	6.25E-08	5.19E-07	1.17E-06	6.80E-08	5.54E-07	1.27E-06	5.29E-08	4.52E-07	9.82E-07
9,438	8.64E-08	7.25E-07	1.60E-06	6.86E-08	5.63E-07	1.25E-06	4.31E-08	3.69E-07	8.06E-07	5.25E-08	4.61E-07	9.99E-07	6.24E-08	5.18E-07	1.17E-06	6.78E-08	5.54E-07	1.27E-06	5.29E-08	4.52E-07	9.81E-07
9,439	8.63E-08	7.25E-07	1.60E-06	6.85E-08	5.63E-07	1.25E-06	4.31E-08	3.67E-07	8.04E-07	5.25E-08	4.60E-07	9.99E-07	6.24E-08	5.17E-07	1.17E-06	6.77E-08	5.54E-07	1.27E-06	5.29E-08	4.51E-07	9.80E-07
9,440	8.63E-08	7.25E-07	1.60E-06	6.85E-08	5.63E-07	1.25E-06	4.31E-08	3.67E-07	8.03E-07	5.25E-08	4.60E-07	9.99E-07	6.23E-08	5.16E-07	1.17E-06	6.77E-08	5.53E-07	1.27E-06	5.28E-08	4.50E-07	9.80E-07
9,441	8.61E-08	7.25E-07	1.59E-06	6.85E-08	5.62E-07	1.25E-06	4.30E-08	3.67E-07	8.03E-07	5.24E-08	4.60E-07	9.99E-07	6.23E-08	5.16E-07	1.17E-06	6.76E-08	5.53E-07	1.27E-06	5.27E-08	4.50E-07	9.79E-07
9,442	8.60E-08	7.25E-07	1.59E-06	6.84E-08	5.60E-07	1.25E-06	4.30E-08	3.66E-07	8.02E-07	5.24E-08	4.60E-07	9.97E-07	6.22E-08	5.15E-07	1.17E-06	6.75E-08	5.52E-07	1.27E-06	5.27E-08	4.50E-07	9.79E-07
9,443	8.60E-08	7.24E-07	1.59E-06	6.83E-08	5.60E-07	1.24E-06	4.30E-08	3.65E-07	8.01E-07	5.24E-08	4.58E-07	9.95E-07	6.21E-08	5.15E-07	1.17E-06	6.75E-08	5.52E-07	1.27E-06	5.27E-08	4.49E-07	9.78E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,464	8.39E-08	7.12E-07	1.56E-06	6.71E-08	5.43E-07	1.22E-06	4.21E-08	3.59E-07	7.85E-07	5.14E-08	4.50E-07	9.75E-07	6.08E-08	5.06E-07	1.15E-06	6.57E-08	5.44E-07	1.24E-06	5.11E-08	4.41E-07	9.63E-07
9,465	8.37E-08	7.12E-07	1.55E-06	6.71E-08	5.43E-07	1.22E-06	4.21E-08	3.59E-07	7.83E-07	5.13E-08	4.50E-07	9.74E-07	6.08E-08	5.06E-07	1.14E-06	6.56E-08	5.43E-07	1.24E-06	5.10E-08	4.41E-07	9.61E-07
9,466	8.37E-08	7.11E-07	1.55E-06	6.69E-08	5.42E-07	1.21E-06	4.21E-08	3.59E-07	7.81E-07	5.13E-08	4.49E-07	9.74E-07	6.06E-08	5.05E-07	1.14E-06	6.55E-08	5.42E-07	1.24E-06	5.10E-08	4.41E-07	9.61E-07
9,467	8.37E-08	7.10E-07	1.55E-06	6.69E-08	5.42E-07	1.21E-06	4.21E-08	3.58E-07	7.81E-07	5.12E-08	4.48E-07	9.74E-07	6.06E-08	5.04E-07	1.14E-06	6.55E-08	5.42E-07	1.24E-06	5.10E-08	4.41E-07	9.61E-07
9,468	8.36E-08	7.10E-07	1.55E-06	6.67E-08	5.42E-07	1.21E-06	4.20E-08	3.58E-07	7.81E-07	5.12E-08	4.47E-07	9.72E-07	6.05E-08	5.04E-07	1.14E-06	6.55E-08	5.41E-07	1.24E-06	5.09E-08	4.41E-07	9.60E-07
9,469	8.36E-08	7.10E-07	1.55E-06	6.67E-08	5.41E-07	1.21E-06	4.20E-08	3.57E-07	7.81E-07	5.12E-08	4.47E-07	9.72E-07	6.01E-08	5.04E-07	1.14E-06	6.54E-08	5.40E-07	1.23E-06	5.08E-08	4.41E-07	9.60E-07
9,470	8.31E-08	7.09E-07	1.54E-06	6.65E-08	5.40E-07	1.21E-06	4.20E-08	3.57E-07	7.79E-07	5.11E-08	4.46E-07	9.71E-07	6.00E-08	5.01E-07	1.14E-06	6.54E-08	5.40E-07	1.23E-06	5.08E-08	4.40E-07	9.58E-07
9,471	8.30E-08	7.09E-07	1.54E-06	6.65E-08	5.40E-07	1.21E-06	4.20E-08	3.57E-07	7.78E-07	5.11E-08	4.46E-07	9.69E-07	5.99E-08	5.00E-07	1.14E-06	6.54E-08	5.39E-07	1.23E-06	5.07E-08	4.40E-07	9.57E-07
9,472	8.30E-08	7.09E-07	1.54E-06	6.64E-08	5.39E-07	1.21E-06	4.19E-08	3.57E-07	7.78E-07	5.11E-08	4.46E-07	9.67E-07	5.99E-08	4.99E-07	1.14E-06	6.53E-08	5.38E-07	1.23E-06	5.06E-08	4.40E-07	9.57E-07
9,473	8.29E-08	7.09E-07	1.54E-06	6.62E-08	5.39E-07	1.21E-06	4.19E-08	3.56E-07	7.78E-07	5.10E-08	4.45E-07	9.66E-07	5.99E-08	4.99E-07	1.14E-06	6.53E-08	5.38E-07	1.23E-06	5.06E-08	4.40E-07	9.56E-07
9,474	8.28E-08	7.09E-07	1.54E-06	6.62E-08	5.37E-07	1.21E-06	4.19E-08	3.55E-07	7.77E-07	5.10E-08	4.44E-07	9.64E-07	5.98E-08	4.99E-07	1.14E-06	6.53E-08	5.38E-07	1.23E-06	5.06E-08	4.40E-07	9.55E-07
9,475	8.27E-08	7.06E-07	1.54E-06	6.61E-08	5.37E-07	1.21E-06	4.18E-08	3.55E-07	7.77E-07	5.10E-08	4.44E-07	9.63E-07	5.98E-08	4.98E-07	1.14E-06	6.53E-08	5.37E-07	1.23E-06	5.06E-08	4.39E-07	9.55E-07
9,476	8.27E-08	7.06E-07	1.54E-06	6.56E-08	5.37E-07	1.21E-06	4.18E-08	3.54E-07	7.76E-07	5.09E-08	4.43E-07	9.63E-07	5.97E-08	4.98E-07	1.13E-06	6.53E-08	5.35E-07	1.23E-06	5.05E-08	4.39E-07	9.55E-07
9,477	8.26E-08	7.06E-07	1.54E-06	6.56E-08	5.35E-07	1.20E-06	4.18E-08	3.53E-07	7.75E-07	5.09E-08	4.43E-07	9.63E-07	5.96E-08	4.98E-07	1.13E-06	6.52E-08	5.35E-07	1.23E-06	5.05E-08	4.38E-07	9.54E-07
9,478	8.26E-08	7.06E-07	1.54E-06	6.56E-08	5.35E-07	1.20E-06	4.18E-08	3.53E-07	7.75E-07	5.09E-08	4.43E-07	9.62E-07	5.95E-08	4.98E-07	1.13E-06	6.52E-08	5.34E-07	1.22E-06	5.04E-08	4.38E-07	9.53E-07
9,479	8.26E-08	7.05E-07	1.54E-06	6.55E-08	5.35E-07	1.20E-06	4.18E-08	3.53E-07	7.75E-07	5.08E-08	4.43E-07	9.60E-07	5.95E-08	4.96E-07	1.13E-06	6.52E-08	5.33E-07	1.22E-06	5.04E-08	4.38E-07	9.52E-07
9,480	8.26E-08	7.04E-07	1.53E-06	6.55E-08	5.35E-07	1.20E-06	4.17E-08	3.52E-07	7.74E-07	5.07E-08	4.43E-07	9.60E-07	5.95E-08	4.95E-07	1.13E-06	6.52E-08	5.33E-07	1.22E-06	5.03E-08	4.38E-07	9.52E-07
9,481	8.24E-08	7.04E-07	1.53E-06	6.54E-08	5.34E-07	1.20E-06	4.16E-08	3.52E-07	7.74E-07	5.07E-08	4.42E-07	9.59E-07	5.94E-08	4.95E-07	1.13E-06	6.52E-08	5.30E-07	1.22E-06	5.03E-08	4.38E-07	9.52E-07
9,482	8.24E-08	7.04E-07	1.53E-06	6.52E-08	5.34E-07	1.20E-06	4.16E-08	3.51E-07	7.73E-07	5.06E-08	4.42E-07	9.58E-07	5.94E-08	4.94E-07	1.13E-06	6.51E-08	5.30E-07	1.22E-06	5.02E-08	4.37E-07	9.51E-07
9,483	8.20E-08	7.02E-07	1.53E-06	6.51E-08	5.34E-07	1.20E-06	4.16E-08	3.51E-07	7.72E-07	5.05E-08	4.41E-07	9.58E-07	5.94E-08	4.93E-07	1.13E-06	6.49E-08	5.30E-07	1.22E-06	5.02E-08	4.37E-07	9.50E-07
9,484	8.18E-08	7.02E-07	1.52E-06	6.51E-08	5.33E-07	1.20E-06	4.16E-08	3.51E-07	7.72E-07	5.05E-08	4.41E-07	9.54E-07	5.93E-08	4.93E-07	1.13E-06	6.47E-08	5.29E-07	1.22E-06	5.01E-08	4.36E-07	9.49E-07
9,485	8.18E-08	7.02E-07	1.52E-06	6.51E-08	5.33E-07	1.20E-06	4.16E-08	3.51E-07	7.71E-07	5.04E-08	4.40E-07	9.53E-07	5.93E-08	4.92E-07	1.12E-06	6.46E-08	5.27E-07	1.22E-06	5.00E-08	4.35E-07	9.48E-07
9,486	8.17E-08	7.02E-07	1.52E-06	6.50E-08	5.33E-07	1.20E-06	4.16E-08	3.51E-07	7.70E-07	5.03E-08	4.40E-07	9.52E-07	5.93E-08	4.91E-07	1.12E-06	6.46E-08	5.27E-07	1.21E-06	4.99E-08	4.34E-07	9.48E-07
9,487	8.14E-08	7.01E-07	1.52E-06	6.48E-08	5.33E-07	1.20E-06	4.15E-08	3.51E-07	7.69E-07	5.03E-08	4.39E-07	9.52E-07	5.92E-08	4.91E-07	1.12E-06	6.44E-08	5.25E-07	1.21E-06	4.98E-08	4.33E-07	9.45E-07
9,488	8.14E-08	7.01E-07	1.52E-06	6.48E-08	5.32E-07	1.20E-06	4.15E-08	3.50E-07	7.69E-07	5.03E-08	4.39E-07	9.51E-07	5.90E-08	4.90E-07	1.12E-06	6.44E-08	5.25E-07	1.21E-06	4.98E-08	4.33E-07	9.43E-07
9,489	8.13E-08	7.00E-07	1.52E-06	6.47E-08	5.32E-07	1.20E-06	4.15E-08	3.50E-07	7.68E-07	5.03E-08	4.38E-07	9.51E-07	5.90E-08	4.90E-07	1.12E-06	6.44E-08	5.24E-07	1.21E-06	4.97E-08	4.33E-07	9.42E-07
9,490	8.13E-08	7.00E-07	1.52E-06	6.46E-08	5.31E-07	1.19E-06	4.15E-08	3.50E-07	7.66E-07	5.02E-08	4.37E-07	9.50E-07	5.89E-08	4.90E-07	1.11E-06	6.44E-08	5.23E-07	1.21E-06	4.96E-08	4.32E-07	9.41E-07
9,491	8.13E-08	6.97E-07	1.52E-06	6.46E-08	5.30E-07	1.19E-06	4.15E-08	3.50E-07	7.66E-07	5.02E-08	4.37E-07	9.50E-07	5.89E-08	4.90E-07	1.11E-06	6.44E-08	5.22E-07	1.21E-06	4.96E-08	4.32E-07	9.40E-07
9,492	8.11E-08	6.97E-07	1.51E-06	6.45E-08	5.30E-07	1.19E-06	4.14E-08	3.50E-07	7.66E-07	5.02E-08	4.36E-07	9.50E-07	5.89E-08	4.90E-07	1.11E-06	6.44E-08	5.20E-07	1.20E-06	4.95E-08	4.31E-07	9.40E-07
9,493	8.10E-08	6.96E-07	1.51E-06	6.45E-08	5.30E-07	1.19E-06	4.14E-08	3.49E-07	7.64E-07	5.02E-08	4.36E-07	9.49E-07	5.88E-08	4.90E-07	1.11E-06	6.43E-08	5.20E-07	1.20E-06	4.95E-08	4.30E-07	9.40E-07
9,494	8.08E-08	6.96E-07	1.51E-06	6.43E-08	5.30E-07	1.19E-06	4.14E-08	3.49E-07	7.64E-07	5.01E-08	4.35E-07	9.49E-07	5.88E-08	4.90E-07	1.11E-06	6.43E-08	5.19E-07	1.20E-06	4.95E-08	4.30E-07	9.39E-07
9,495	8.07E-08	6.95E-07	1.51E-06	6.40E-08	5.28E-07	1.19E-06	4.13E-08	3.49E-07	7.63E-07	5.00E-08	4.35E-07	9.49E-07	5.87E-08	4.89E-07	1.11E-06	6.41E-08	5.19E-07	1.20E-06	4.94E-08	4.30E-07	9.39E-07
9,496	8.06E-08	6.94E-07	1.51E-06	6.39E-08	5.28E-07	1.19E-06	4.13E-08	3.49E-07	7.62E-07	5.00E-08	4.35E-07	9.45E-07	5.87E-08	4.89E-07	1.11E-06	6.41E-08	5.18E-07	1.20E-06	4.93E-08	4.29E-07	9.38E-07
9,497	8.04E-08	6.93E-07	1.51E-06	6.39E-08	5.28E-07	1.18E-06	4.13E-08	3.49E-07	7.62E-07	4.99E-08	4.35E-07	9.44E-07	5.87E-08	4.88E-07	1.11E-06	6.40E-08	5.18E-07	1.20E-06	4.93E-08	4.29E-07	9.37E-07
9,498	8.04E-08	6.93E-07	1.51E-06	6.39E-08	5.28E-07	1.18E-06	4.13E-08	3.48E-07	7.62E-07	4.99E-08	4.34E-07	9.43E-07	5.85E-08	4.88E-07	1.11E-06	6.39E-08	5.17E-07	1.20E-06	4.93E-08	4.28E-07	9.37E-07
9,499	8.03E-08	6.93E-07	1.51E-06	6.38E-08	5.28E-07	1.18E-06	4.13E-08	3.48E-07	7.61E-07	4.98E-08	4.34E-07	9.43E-07	5.84E-08	4.87E-07	1.10E-06	6.39E-08	5.17E-07	1.20E-06	4.92E-08	4.28E-07	9.36E-07
9,500	8.03E-08	6.92E-07	1.51E-06	6.38E-08	5.26E-07	1.18E-06	4.12E-08	3.48E-07	7.61E-07	4.98E-08	4.33E-07	9.42E-07	5.84E-08	4.86E-07	1.10E-06	6.39E-08	5.16E-07	1.20E-06	4.92E-08	4.26E-07	9.35E-07
9,501	8.02E-08	6.92E-07	1.50E-06	6.37E-08	5.24E-07	1.18E-06	4.12E-08	3.48E-07	7.60E-07	4.97E-08	4.33E-07	9.42E-07	5.83E-08	4.86E-07	1.10E-06	6.37E-08	5.15E-07	1.20E-06	4.92E-08	4.25E-07	9.34E-07
9,502	8.02E-08	6.91E-07	1.50E-06	6.36E-08	5.23E-07	1.18E-06	4.12E-08	3.47E-07	7.60E-07	4.97E-08	4.33E-07	9.41E-07	5.83E-08	4.85E-07	1.10E-06	6.35E-08	5.14E-07	1.19E-06	4.92E-08	4.25E-07	9.34E-07
9,503	8.02E-08	6.91E-07	1.50E-06	6.35E-08	5.22E-07	1.18E-06	4.11E-08	3.47E-07	7.59E-07	4.96E-08	4.32E-07	9.40E-07	5.82E-08	4.85E-07	1.10E-06	6.34E-08	5.13E-07	1.19E-06	4.91E-08	4.25E-07	9.28E-07
9,504	8.01E-08	6.91E-07	1.50E-06	6.33E-08	5.22E-07	1.18E-06	4.11E-08	3.47E-07	7.59E-07	4.94E-08	4.32E-07	9.39E-07	5.82E-08	4.85E-07	1.10E-06	6.33E-08	5.13E-07	1.19E-06	4.91E-08	4.24E-07	9.27E-07
9,505	7.98E-08	6.91E-07	1.50E-06	6.32E-08	5.21E-07	1.18E-06	4.10E-08	3.46E-07	7.58E-07	4.94E-08	4.31E-07	9.38E-07	5.80E-08	4.85E-07	1.10E-06	6.32E-08	5.11E-07	1.19E-06	4.89E-08	4.24E-07	9.26E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,526	7.79E-08	6.77E-07	1.47E-06	6.17E-08	5.06E-07	1.14E-06	4.01E-08	3.40E-07	7.45E-07	4.84E-08	4.22E-07	9.17E-07	5.68E-08	4.77E-07	1.07E-06	6.13E-08	5.00E-07	1.17E-06	4.77E-08	4.15E-07	9.04E-07
9,527	7.77E-08	6.76E-07	1.47E-06	6.14E-08	5.04E-07	1.14E-06	4.01E-08	3.40E-07	7.44E-07	4.83E-08	4.21E-07	9.14E-07	5.66E-08	4.76E-07	1.07E-06	6.12E-08	5.00E-07	1.17E-06	4.76E-08	4.14E-07	9.04E-07
9,528	7.77E-08	6.76E-07	1.47E-06	6.14E-08	5.04E-07	1.14E-06	4.00E-08	3.39E-07	7.43E-07	4.83E-08	4.21E-07	9.14E-07	5.66E-08	4.76E-07	1.07E-06	6.10E-08	5.00E-07	1.17E-06	4.76E-08	4.12E-07	9.01E-07
9,529	7.77E-08	6.76E-07	1.47E-06	6.13E-08	5.03E-07	1.14E-06	4.00E-08	3.39E-07	7.43E-07	4.82E-08	4.20E-07	9.13E-07	5.66E-08	4.76E-07	1.07E-06	6.10E-08	4.99E-07	1.17E-06	4.75E-08	4.12E-07	9.01E-07
9,530	7.76E-08	6.75E-07	1.46E-06	6.13E-08	5.03E-07	1.14E-06	4.00E-08	3.37E-07	7.42E-07	4.82E-08	4.20E-07	9.11E-07	5.65E-08	4.75E-07	1.07E-06	6.08E-08	4.99E-07	1.17E-06	4.75E-08	4.11E-07	9.00E-07
9,531	7.75E-08	6.75E-07	1.46E-06	6.12E-08	5.03E-07	1.14E-06	4.00E-08	3.37E-07	7.41E-07	4.81E-08	4.20E-07	9.09E-07	5.65E-08	4.75E-07	1.07E-06	6.06E-08	4.98E-07	1.17E-06	4.75E-08	4.11E-07	8.99E-07
9,532	7.74E-08	6.74E-07	1.46E-06	6.10E-08	5.01E-07	1.14E-06	3.99E-08	3.35E-07	7.37E-07	4.80E-08	4.20E-07	9.09E-07	5.65E-08	4.75E-07	1.07E-06	6.04E-08	4.97E-07	1.17E-06	4.74E-08	4.10E-07	8.97E-07
9,533	7.73E-08	6.74E-07	1.46E-06	6.10E-08	5.00E-07	1.14E-06	3.99E-08	3.35E-07	7.36E-07	4.80E-08	4.19E-07	9.08E-07	5.65E-08	4.75E-07	1.07E-06	6.03E-08	4.97E-07	1.17E-06	4.73E-08	4.10E-07	8.96E-07
9,534	7.73E-08	6.74E-07	1.46E-06	6.09E-08	4.99E-07	1.14E-06	3.99E-08	3.35E-07	7.36E-07	4.79E-08	4.19E-07	9.08E-07	5.65E-08	4.74E-07	1.07E-06	6.01E-08	4.96E-07	1.17E-06	4.73E-08	4.10E-07	8.95E-07
9,535	7.73E-08	6.73E-07	1.46E-06	6.08E-08	4.99E-07	1.14E-06	3.99E-08	3.34E-07	7.34E-07	4.79E-08	4.19E-07	9.08E-07	5.65E-08	4.74E-07	1.07E-06	6.01E-08	4.96E-07	1.16E-06	4.73E-08	4.09E-07	8.95E-07
9,536	7.69E-08	6.72E-07	1.45E-06	6.07E-08	4.99E-07	1.13E-06	3.98E-08	3.34E-07	7.34E-07	4.79E-08	4.19E-07	9.06E-07	5.65E-08	4.74E-07	1.06E-06	6.01E-08	4.96E-07	1.16E-06	4.73E-08	4.08E-07	8.94E-07
9,537	7.67E-08	6.71E-07	1.45E-06	6.04E-08	4.98E-07	1.13E-06	3.98E-08	3.33E-07	7.31E-07	4.79E-08	4.19E-07	9.06E-07	5.63E-08	4.73E-07	1.06E-06	5.98E-08	4.96E-07	1.16E-06	4.73E-08	4.07E-07	8.93E-07
9,538	7.67E-08	6.70E-07	1.45E-06	6.04E-08	4.98E-07	1.13E-06	3.98E-08	3.32E-07	7.30E-07	4.78E-08	4.19E-07	9.06E-07	5.62E-08	4.72E-07	1.06E-06	5.97E-08	4.95E-07	1.16E-06	4.72E-08	4.07E-07	8.93E-07
9,539	7.67E-08	6.70E-07	1.45E-06	6.03E-08	4.96E-07	1.13E-06	3.98E-08	3.32E-07	7.29E-07	4.77E-08	4.18E-07	9.04E-07	5.62E-08	4.72E-07	1.06E-06	5.97E-08	4.95E-07	1.16E-06	4.72E-08	4.06E-07	8.92E-07
9,540	7.66E-08	6.69E-07	1.45E-06	6.03E-08	4.96E-07	1.13E-06	3.98E-08	3.32E-07	7.29E-07	4.77E-08	4.18E-07	9.03E-07	5.61E-08	4.72E-07	1.06E-06	5.96E-08	4.94E-07	1.15E-06	4.71E-08	4.06E-07	8.88E-07
9,541	7.65E-08	6.69E-07	1.45E-06	6.02E-08	4.96E-07	1.12E-06	3.98E-08	3.31E-07	7.28E-07	4.76E-08	4.17E-07	9.01E-07	5.60E-08	4.72E-07	1.06E-06	5.96E-08	4.92E-07	1.15E-06	4.70E-08	4.06E-07	8.88E-07
9,542	7.65E-08	6.66E-07	1.45E-06	6.02E-08	4.95E-07	1.12E-06	3.97E-08	3.31E-07	7.28E-07	4.76E-08	4.16E-07	9.01E-07	5.60E-08	4.71E-07	1.06E-06	5.95E-08	4.92E-07	1.15E-06	4.70E-08	4.05E-07	8.87E-07
9,543	7.62E-08	6.62E-07	1.45E-06	6.01E-08	4.95E-07	1.12E-06	3.97E-08	3.31E-07	7.28E-07	4.76E-08	4.15E-07	9.01E-07	5.58E-08	4.71E-07	1.06E-06	5.95E-08	4.91E-07	1.15E-06	4.69E-08	4.05E-07	8.87E-07
9,544	7.60E-08	6.62E-07	1.44E-06	6.01E-08	4.94E-07	1.12E-06	3.97E-08	3.31E-07	7.27E-07	4.75E-08	4.14E-07	8.99E-07	5.58E-08	4.71E-07	1.06E-06	5.94E-08	4.91E-07	1.15E-06	4.69E-08	4.05E-07	8.87E-07
9,545	7.59E-08	6.61E-07	1.44E-06	6.01E-08	4.94E-07	1.12E-06	3.96E-08	3.31E-07	7.27E-07	4.75E-08	4.14E-07	8.99E-07	5.58E-08	4.71E-07	1.06E-06	5.94E-08	4.90E-07	1.15E-06	4.68E-08	4.05E-07	8.86E-07
9,546	7.59E-08	6.59E-07	1.44E-06	6.00E-08	4.94E-07	1.12E-06	3.95E-08	3.30E-07	7.26E-07	4.75E-08	4.13E-07	8.98E-07	5.56E-08	4.71E-07	1.06E-06	5.94E-08	4.89E-07	1.15E-06	4.63E-08	4.04E-07	8.86E-07
9,547	7.57E-08	6.59E-07	1.44E-06	5.99E-08	4.93E-07	1.12E-06	3.95E-08	3.29E-07	7.26E-07	4.75E-08	4.12E-07	8.98E-07	5.56E-08	4.71E-07	1.06E-06	5.93E-08	4.89E-07	1.14E-06	4.63E-08	4.04E-07	8.83E-07
9,548	7.56E-08	6.58E-07	1.43E-06	5.99E-08	4.92E-07	1.11E-06	3.95E-08	3.29E-07	7.26E-07	4.72E-08	4.12E-07	8.98E-07	5.55E-08	4.71E-07	1.05E-06	5.93E-08	4.89E-07	1.14E-06	4.62E-08	4.03E-07	8.82E-07
9,549	7.56E-08	6.57E-07	1.43E-06	5.99E-08	4.92E-07	1.11E-06	3.94E-08	3.29E-07	7.25E-07	4.71E-08	4.10E-07	8.97E-07	5.54E-08	4.70E-07	1.05E-06	5.92E-08	4.89E-07	1.14E-06	4.57E-08	4.02E-07	8.81E-07
9,550	7.54E-08	6.56E-07	1.43E-06	5.99E-08	4.92E-07	1.11E-06	3.94E-08	3.29E-07	7.24E-07	4.71E-08	4.09E-07	8.97E-07	5.52E-08	4.69E-07	1.05E-06	5.91E-08	4.88E-07	1.14E-06	4.57E-08	4.02E-07	8.81E-07
9,551	7.54E-08	6.55E-07	1.43E-06	5.99E-08	4.92E-07	1.11E-06	3.94E-08	3.29E-07	7.24E-07	4.70E-08	4.08E-07	8.97E-07	5.51E-08	4.67E-07	1.05E-06	5.90E-08	4.88E-07	1.14E-06	4.56E-08	4.02E-07	8.78E-07
9,552	7.53E-08	6.55E-07	1.43E-06	5.99E-08	4.89E-07	1.11E-06	3.93E-08	3.29E-07	7.23E-07	4.70E-08	4.07E-07	8.96E-07	5.51E-08	4.66E-07	1.05E-06	5.89E-08	4.88E-07	1.14E-06	4.56E-08	4.01E-07	8.78E-07
9,553	7.51E-08	6.55E-07	1.43E-06	5.98E-08	4.88E-07	1.11E-06	3.93E-08	3.28E-07	7.22E-07	4.70E-08	4.04E-07	8.96E-07	5.50E-08	4.65E-07	1.05E-06	5.89E-08	4.87E-07	1.13E-06	4.55E-08	4.01E-07	8.78E-07
9,554	7.50E-08	6.54E-07	1.42E-06	5.97E-08	4.86E-07	1.11E-06	3.92E-08	3.28E-07	7.22E-07	4.70E-08	4.03E-07	8.96E-07	5.50E-08	4.65E-07	1.05E-06	5.87E-08	4.86E-07	1.13E-06	4.55E-08	4.01E-07	8.78E-07
9,555	7.49E-08	6.53E-07	1.42E-06	5.96E-08	4.86E-07	1.11E-06	3.92E-08	3.28E-07	7.20E-07	4.69E-08	4.03E-07	8.96E-07	5.50E-08	4.65E-07	1.05E-06	5.87E-08	4.86E-07	1.13E-06	4.55E-08	3.99E-07	8.77E-07
9,556	7.49E-08	6.53E-07	1.42E-06	5.95E-08	4.86E-07	1.10E-06	3.92E-08	3.26E-07	7.20E-07	4.69E-08	4.03E-07	8.94E-07	5.49E-08	4.64E-07	1.05E-06	5.85E-08	4.85E-07	1.13E-06	4.53E-08	3.99E-07	8.76E-07
9,557	7.46E-08	6.52E-07	1.42E-06	5.93E-08	4.86E-07	1.10E-06	3.91E-08	3.25E-07	7.19E-07	4.69E-08	4.03E-07	8.93E-07	5.48E-08	4.64E-07	1.04E-06	5.84E-08	4.85E-07	1.13E-06	4.53E-08	3.99E-07	8.74E-07
9,558	7.46E-08	6.51E-07	1.42E-06	5.92E-08	4.85E-07	1.10E-06	3.91E-08	3.24E-07	7.18E-07	4.69E-08	4.02E-07	8.92E-07	5.47E-08	4.63E-07	1.04E-06	5.83E-08	4.82E-07	1.13E-06	4.53E-08	3.98E-07	8.74E-07
9,559	7.46E-08	6.48E-07	1.42E-06	5.91E-08	4.84E-07	1.10E-06	3.90E-08	3.24E-07	7.17E-07	4.68E-08	4.02E-07	8.92E-07	5.47E-08	4.62E-07	1.04E-06	5.82E-08	4.82E-07	1.13E-06	4.53E-08	3.98E-07	8.73E-07
9,560	7.43E-08	6.48E-07	1.42E-06	5.91E-08	4.84E-07	1.10E-06	3.90E-08	3.23E-07	7.17E-07	4.68E-08	4.01E-07	8.91E-07	5.45E-08	4.61E-07	1.03E-06	5.82E-08	4.81E-07	1.13E-06	4.52E-08	3.98E-07	8.73E-07
9,561	7.42E-08	6.48E-07	1.42E-06	5.89E-08	4.84E-07	1.10E-06	3.90E-08	3.23E-07	7.17E-07	4.67E-08	4.01E-07	8.90E-07	5.44E-08	4.61E-07	1.03E-06	5.81E-08	4.80E-07	1.13E-06	4.50E-08	3.97E-07	8.72E-07
9,562	7.42E-08	6.46E-07	1.41E-06	5.89E-08	4.84E-07	1.10E-06	3.89E-08	3.23E-07	7.16E-07	4.67E-08	4.00E-07	8.88E-07	5.44E-08	4.60E-07	1.03E-06	5.81E-08	4.80E-07	1.13E-06	4.50E-08	3.97E-07	8.69E-07
9,563	7.40E-08	6.44E-07	1.41E-06	5.89E-08	4.84E-07	1.10E-06	3.87E-08	3.23E-07	7.16E-07	4.67E-08	4.00E-07	8.88E-07	5.44E-08	4.60E-07	1.03E-06	5.81E-08	4.79E-07	1.13E-06	4.50E-08	3.96E-07	8.69E-07
9,564	7.40E-08	6.44E-07	1.41E-06	5.87E-08	4.83E-07	1.10E-06	3.87E-08	3.22E-07	7.16E-07	4.65E-08	4.00E-07	8.87E-07	5.43E-08	4.60E-07	1.03E-06	5.80E-08	4.78E-07	1.13E-06	4.49E-08	3.96E-07	8.68E-07
9,565	7.39E-08	6.42E-07	1.41E-06	5.85E-08	4.83E-07	1.09E-06	3.85E-08	3.22E-07	7.14E-07	4.65E-08	4.00E-07	8.86E-07	5.41E-08	4.59E-07	1.03E-06	5.79E-08	4.78E-07	1.13E-06	4.49E-08	3.95E-07	8.68E-07
9,566	7.38E-08	6.40E-07	1.41E-06	5.83E-08	4.83E-07	1.09E-06	3.85E-08	3.22E-07	7.14E-07	4.64E-08	4.00E-07	8.86E-07	5.41E-08	4.59E-07	1.03E-06	5.77E-08	4.78E-07	1.13E-06	4.48E-08	3.93E-07	8.68E-07
9,567	7.35E-08	6.39E-07	1.41E-06	5.83E-08	4.82E-07	1.09E-06	3.85E-08	3.21E-07	7.14E-07	4.64E-08	3.99E-07	8.85E-07	5.41E-08	4.58E-07	1.03E-06	5.76E-08	4.76E-07	1.12E-06	4.48E-08	3.93E-07	8.67E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,588	7.13E-08	6.22E-07	1.38E-06	5.65E-08	4.71E-07	1.05E-06	3.77E-08	3.14E-07	6.95E-07	4.50E-08	3.91E-07	8.64E-07	5.27E-08	4.48E-07	1.01E-06	5.61E-08	4.61E-07	1.10E-06	4.39E-08	3.83E-07	8.45E-07
9,589	7.13E-08	6.20E-07	1.38E-06	5.65E-08	4.70E-07	1.04E-06	3.77E-08	3.13E-07	6.95E-07	4.49E-08	3.91E-07	8.60E-07	5.27E-08	4.47E-07	1.01E-06	5.61E-08	4.60E-07	1.10E-06	4.38E-08	3.83E-07	8.44E-07
9,590	7.10E-08	6.20E-07	1.38E-06	5.65E-08	4.70E-07	1.04E-06	3.77E-08	3.13E-07	6.95E-07	4.48E-08	3.90E-07	8.60E-07	5.26E-08	4.47E-07	1.01E-06	5.60E-08	4.60E-07	1.09E-06	4.38E-08	3.83E-07	8.43E-07
9,591	7.06E-08	6.18E-07	1.38E-06	5.65E-08	4.70E-07	1.04E-06	3.77E-08	3.13E-07	6.94E-07	4.46E-08	3.89E-07	8.59E-07	5.26E-08	4.47E-07	1.01E-06	5.60E-08	4.59E-07	1.09E-06	4.38E-08	3.82E-07	8.43E-07
9,592	7.05E-08	6.18E-07	1.38E-06	5.65E-08	4.70E-07	1.04E-06	3.76E-08	3.12E-07	6.91E-07	4.44E-08	3.89E-07	8.59E-07	5.26E-08	4.47E-07	1.01E-06	5.60E-08	4.58E-07	1.09E-06	4.38E-08	3.80E-07	8.42E-07
9,593	7.03E-08	6.17E-07	1.37E-06	5.65E-08	4.69E-07	1.04E-06	3.76E-08	3.12E-07	6.91E-07	4.43E-08	3.88E-07	8.59E-07	5.25E-08	4.46E-07	1.01E-06	5.59E-08	4.57E-07	1.09E-06	4.37E-08	3.79E-07	8.42E-07
9,594	7.03E-08	6.16E-07	1.37E-06	5.64E-08	4.69E-07	1.04E-06	3.74E-08	3.11E-07	6.89E-07	4.43E-08	3.87E-07	8.58E-07	5.24E-08	4.46E-07	1.01E-06	5.59E-08	4.56E-07	1.09E-06	4.37E-08	3.78E-07	8.39E-07
9,595	7.02E-08	6.16E-07	1.37E-06	5.64E-08	4.69E-07	1.04E-06	3.72E-08	3.11E-07	6.88E-07	4.43E-08	3.87E-07	8.57E-07	5.23E-08	4.45E-07	1.01E-06	5.58E-08	4.56E-07	1.08E-06	4.37E-08	3.78E-07	8.36E-07
9,596	7.01E-08	6.14E-07	1.37E-06	5.64E-08	4.69E-07	1.04E-06	3.72E-08	3.11E-07	6.87E-07	4.42E-08	3.87E-07	8.57E-07	5.23E-08	4.45E-07	1.01E-06	5.58E-08	4.53E-07	1.08E-06	4.36E-08	3.78E-07	8.36E-07
9,597	6.98E-08	6.11E-07	1.37E-06	5.62E-08	4.68E-07	1.04E-06	3.72E-08	3.10E-07	6.87E-07	4.42E-08	3.87E-07	8.56E-07	5.21E-08	4.45E-07	1.01E-06	5.56E-08	4.53E-07	1.08E-06	4.36E-08	3.77E-07	8.34E-07
9,598	6.96E-08	6.10E-07	1.36E-06	5.60E-08	4.68E-07	1.04E-06	3.71E-08	3.09E-07	6.86E-07	4.40E-08	3.86E-07	8.54E-07	5.21E-08	4.44E-07	1.00E-06	5.56E-08	4.52E-07	1.08E-06	4.36E-08	3.77E-07	8.34E-07
9,599	6.95E-08	6.10E-07	1.36E-06	5.59E-08	4.68E-07	1.04E-06	3.71E-08	3.09E-07	6.86E-07	4.39E-08	3.86E-07	8.54E-07	5.21E-08	4.43E-07	1.00E-06	5.56E-08	4.52E-07	1.08E-06	4.35E-08	3.77E-07	8.34E-07
9,600	6.94E-08	6.10E-07	1.36E-06	5.59E-08	4.68E-07	1.04E-06	3.70E-08	3.09E-07	6.85E-07	4.38E-08	3.86E-07	8.54E-07	5.20E-08	4.43E-07	1.00E-06	5.54E-08	4.51E-07	1.08E-06	4.35E-08	3.77E-07	8.32E-07
9,601	6.93E-08	6.10E-07	1.36E-06	5.57E-08	4.67E-07	1.03E-06	3.70E-08	3.08E-07	6.84E-07	4.37E-08	3.85E-07	8.53E-07	5.20E-08	4.43E-07	9.98E-07	5.54E-08	4.51E-07	1.08E-06	4.35E-08	3.76E-07	8.31E-07
9,602	6.92E-08	6.09E-07	1.36E-06	5.56E-08	4.66E-07	1.03E-06	3.70E-08	3.08E-07	6.84E-07	4.37E-08	3.85E-07	8.53E-07	5.19E-08	4.43E-07	9.97E-07	5.53E-08	4.50E-07	1.08E-06	4.33E-08	3.76E-07	8.28E-07
9,603	6.92E-08	6.09E-07	1.36E-06	5.55E-08	4.66E-07	1.03E-06	3.69E-08	3.07E-07	6.83E-07	4.37E-08	3.84E-07	8.51E-07	5.19E-08	4.42E-07	9.96E-07	5.52E-08	4.50E-07	1.08E-06	4.32E-08	3.75E-07	8.27E-07
9,604	6.91E-08	6.08E-07	1.36E-06	5.55E-08	4.63E-07	1.03E-06	3.69E-08	3.06E-07	6.81E-07	4.37E-08	3.84E-07	8.50E-07	5.17E-08	4.41E-07	9.94E-07	5.52E-08	4.50E-07	1.07E-06	4.32E-08	3.75E-07	8.27E-07
9,605	6.89E-08	6.07E-07	1.36E-06	5.55E-08	4.63E-07	1.03E-06	3.67E-08	3.06E-07	6.79E-07	4.35E-08	3.83E-07	8.49E-07	5.17E-08	4.41E-07	9.93E-07	5.51E-08	4.48E-07	1.07E-06	4.32E-08	3.75E-07	8.26E-07
9,606	6.89E-08	6.07E-07	1.36E-06	5.53E-08	4.63E-07	1.03E-06	3.65E-08	3.06E-07	6.77E-07	4.34E-08	3.82E-07	8.49E-07	5.14E-08	4.41E-07	9.92E-07	5.50E-08	4.48E-07	1.07E-06	4.32E-08	3.75E-07	8.23E-07
9,607	6.89E-08	6.06E-07	1.36E-06	5.53E-08	4.62E-07	1.03E-06	3.63E-08	3.06E-07	6.77E-07	4.32E-08	3.82E-07	8.47E-07	5.14E-08	4.40E-07	9.91E-07	5.49E-08	4.47E-07	1.07E-06	4.31E-08	3.74E-07	8.23E-07
9,608	6.87E-08	6.05E-07	1.36E-06	5.53E-08	4.62E-07	1.03E-06	3.63E-08	3.06E-07	6.76E-07	4.29E-08	3.81E-07	8.46E-07	5.13E-08	4.39E-07	9.90E-07	5.49E-08	4.46E-07	1.07E-06	4.31E-08	3.71E-07	8.23E-07
9,609	6.82E-08	6.05E-07	1.35E-06	5.51E-08	4.62E-07	1.03E-06	3.61E-08	3.05E-07	6.73E-07	4.29E-08	3.81E-07	8.45E-07	5.13E-08	4.39E-07	9.90E-07	5.48E-08	4.46E-07	1.06E-06	4.29E-08	3.71E-07	8.23E-07
9,610	6.80E-08	6.05E-07	1.35E-06	5.51E-08	4.62E-07	1.03E-06	3.61E-08	3.05E-07	6.73E-07	4.28E-08	3.81E-07	8.44E-07	5.12E-08	4.38E-07	9.89E-07	5.48E-08	4.46E-07	1.06E-06	4.29E-08	3.71E-07	8.22E-07
9,611	6.78E-08	6.05E-07	1.35E-06	5.51E-08	4.61E-07	1.02E-06	3.60E-08	3.05E-07	6.72E-07	4.28E-08	3.81E-07	8.43E-07	5.10E-08	4.37E-07	9.88E-07	5.48E-08	4.46E-07	1.06E-06	4.29E-08	3.71E-07	8.22E-07
9,612	6.78E-08	6.04E-07	1.35E-06	5.49E-08	4.60E-07	1.02E-06	3.60E-08	3.05E-07	6.71E-07	4.28E-08	3.80E-07	8.41E-07	5.10E-08	4.37E-07	9.88E-07	5.47E-08	4.46E-07	1.06E-06	4.28E-08	3.70E-07	8.21E-07
9,613	6.77E-08	6.03E-07	1.35E-06	5.49E-08	4.60E-07	1.02E-06	3.60E-08	3.04E-07	6.71E-07	4.25E-08	3.80E-07	8.39E-07	5.10E-08	4.36E-07	9.85E-07	5.46E-08	4.43E-07	1.06E-06	4.28E-08	3.70E-07	8.19E-07
9,614	6.77E-08	6.01E-07	1.35E-06	5.48E-08	4.58E-07	1.02E-06	3.60E-08	3.04E-07	6.71E-07	4.25E-08	3.80E-07	8.36E-07	5.09E-08	4.36E-07	9.84E-07	5.45E-08	4.43E-07	1.05E-06	4.27E-08	3.70E-07	8.18E-07
9,615	6.76E-08	6.00E-07	1.35E-06	5.47E-08	4.57E-07	1.02E-06	3.60E-08	3.04E-07	6.70E-07	4.25E-08	3.79E-07	8.36E-07	5.09E-08	4.35E-07	9.83E-07	5.44E-08	4.40E-07	1.05E-06	4.27E-08	3.69E-07	8.15E-07
9,616	6.76E-08	6.00E-07	1.34E-06	5.46E-08	4.57E-07	1.02E-06	3.59E-08	3.04E-07	6.70E-07	4.24E-08	3.78E-07	8.35E-07	5.08E-08	4.35E-07	9.82E-07	5.44E-08	4.39E-07	1.05E-06	4.27E-08	3.69E-07	8.15E-07
9,617	6.76E-08	5.99E-07	1.34E-06	5.44E-08	4.57E-07	1.02E-06	3.59E-08	3.02E-07	6.69E-07	4.23E-08	3.77E-07	8.35E-07	5.08E-08	4.35E-07	9.81E-07	5.43E-08	4.38E-07	1.05E-06	4.25E-08	3.69E-07	8.15E-07
9,618	6.75E-08	5.99E-07	1.34E-06	5.44E-08	4.56E-07	1.02E-06	3.58E-08	3.02E-07	6.69E-07	4.23E-08	3.77E-07	8.32E-07	5.07E-08	4.35E-07	9.78E-07	5.41E-08	4.38E-07	1.05E-06	4.25E-08	3.69E-07	8.14E-07
9,619	6.75E-08	5.98E-07	1.34E-06	5.44E-08	4.55E-07	1.01E-06	3.58E-08	3.02E-07	6.68E-07	4.23E-08	3.76E-07	8.30E-07	5.07E-08	4.33E-07	9.74E-07	5.41E-08	4.38E-07	1.05E-06	4.23E-08	3.69E-07	8.13E-07
9,620	6.74E-08	5.97E-07	1.33E-06	5.44E-08	4.55E-07	1.01E-06	3.57E-08	3.02E-07	6.68E-07	4.22E-08	3.76E-07	8.29E-07	5.07E-08	4.32E-07	9.73E-07	5.41E-08	4.38E-07	1.05E-06	4.22E-08	3.68E-07	8.13E-07
9,621	6.74E-08	5.97E-07	1.33E-06	5.43E-08	4.54E-07	1.01E-06	3.57E-08	3.01E-07	6.66E-07	4.22E-08	3.76E-07	8.29E-07	5.05E-08	4.31E-07	9.71E-07	5.41E-08	4.38E-07	1.05E-06	4.22E-08	3.68E-07	8.13E-07
9,622	6.74E-08	5.96E-07	1.33E-06	5.41E-08	4.53E-07	1.01E-06	3.57E-08	3.01E-07	6.65E-07	4.22E-08	3.74E-07	8.28E-07	5.04E-08	4.31E-07	9.70E-07	5.39E-08	4.36E-07	1.04E-06	4.21E-08	3.67E-07	8.11E-07
9,623	6.74E-08	5.96E-07	1.33E-06	5.41E-08	4.53E-07	1.01E-06	3.55E-08	3.01E-07	6.64E-07	4.22E-08	3.74E-07	8.27E-07	5.04E-08	4.31E-07	9.70E-07	5.38E-08	4.35E-07	1.04E-06	4.21E-08	3.67E-07	8.11E-07
9,624	6.73E-08	5.95E-07	1.33E-06	5.38E-08	4.52E-07	1.01E-06	3.53E-08	3.00E-07	6.63E-07	4.21E-08	3.73E-07	8.25E-07	5.04E-08	4.31E-07	9.69E-07	5.38E-08	4.34E-07	1.04E-06	4.20E-08	3.66E-07	8.09E-07
9,625	6.73E-08	5.95E-07	1.33E-06	5.38E-08	4.52E-07	1.01E-06	3.53E-08	2.99E-07	6.61E-07	4.21E-08	3.73E-07	8.24E-07	5.03E-08	4.30E-07	9.69E-07	5.37E-08	4.33E-07	1.04E-06	4.20E-08	3.66E-07	8.09E-07
9,626	6.69E-08	5.94E-07	1.33E-06	5.37E-08	4.51E-07	1.01E-06	3.52E-08	2.98E-07	6.61E-07	4.19E-08	3.73E-07	8.23E-07	5.02E-08	4.29E-07	9.69E-07	5.34E-08	4.32E-07	1.04E-06	4.17E-08	3.65E-07	8.08E-07
9,627	6.69E-08	5.93E-07	1.33E-06	5.37E-08	4.51E-07	1.00E-06	3.51E-08	2.98E-07	6.58E-07	4.19E-08	3.72E-07	8.21E-07	5.02E-08	4.29E-07	9.67E-07	5.34E-08	4.32E-07	1.03E-06	4.16E-08	3.65E-07	8.07E-07
9,628	6.68E-08	5.93E-07	1.33E-06	5.37E-08	4.51E-07	9.99E-07	3.51E-08	2.97E-07	6.57E-07	4.19E-08	3.72E-07	8.21E-07	5.02E-08	4.27E-07	9.67E-07	5.31E-08	4.31E-07	1.03E-06	4.15E-08	3.64E-07	8.06E-07
9,629	6.67E-08	5.93E-07	1.32E-06	5.37E-08	4.51E-07	9.97E-07	3.50E-08	2.97E-07	6.57E-07	4.17E-08	3.72E-07	8.21E-07	5.01E-08	4.27E-07	9.65E-07	5.28E-08	4.31E-07	1.03E-06	4.15E-08	3.64E-07	8.06E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,650	6.42E-08	5.78E-07	1.30E-06	5.18E-08	4.43E-07	9.73E-07	3.41E-08	2.90E-07	6.43E-07	4.07E-08	3.63E-07	8.01E-07	4.86E-08	4.15E-07	9.46E-07	5.12E-08	4.22E-07	9.98E-07	3.97E-08	3.54E-07	7.84E-07
9,651	6.41E-08	5.74E-07	1.30E-06	5.18E-08	4.42E-07	9.72E-07	3.40E-08	2.90E-07	6.42E-07	4.07E-08	3.62E-07	8.00E-07	4.85E-08	4.14E-07	9.45E-07	5.10E-08	4.22E-07	9.97E-07	3.96E-08	3.53E-07	7.84E-07
9,652	6.40E-08	5.74E-07	1.29E-06	5.18E-08	4.42E-07	9.68E-07	3.40E-08	2.89E-07	6.41E-07	4.07E-08	3.62E-07	7.98E-07	4.83E-08	4.13E-07	9.41E-07	5.09E-08	4.21E-07	9.97E-07	3.96E-08	3.53E-07	7.84E-07
9,653	6.39E-08	5.72E-07	1.29E-06	5.17E-08	4.42E-07	9.67E-07	3.39E-08	2.89E-07	6.39E-07	4.06E-08	3.61E-07	7.95E-07	4.82E-08	4.13E-07	9.40E-07	5.06E-08	4.20E-07	9.96E-07	3.95E-08	3.53E-07	7.83E-07
9,654	6.39E-08	5.71E-07	1.29E-06	5.17E-08	4.42E-07	9.66E-07	3.38E-08	2.89E-07	6.39E-07	4.06E-08	3.61E-07	7.95E-07	4.82E-08	4.13E-07	9.39E-07	5.06E-08	4.20E-07	9.95E-07	3.95E-08	3.52E-07	7.83E-07
9,655	6.34E-08	5.69E-07	1.29E-06	5.17E-08	4.40E-07	9.66E-07	3.37E-08	2.88E-07	6.38E-07	4.05E-08	3.60E-07	7.94E-07	4.82E-08	4.12E-07	9.37E-07	5.04E-08	4.18E-07	9.90E-07	3.95E-08	3.52E-07	7.82E-07
9,656	6.32E-08	5.68E-07	1.29E-06	5.16E-08	4.40E-07	9.64E-07	3.37E-08	2.88E-07	6.38E-07	4.05E-08	3.60E-07	7.92E-07	4.80E-08	4.12E-07	9.34E-07	5.04E-08	4.17E-07	9.90E-07	3.95E-08	3.51E-07	7.80E-07
9,657	6.31E-08	5.68E-07	1.28E-06	5.14E-08	4.40E-07	9.64E-07	3.37E-08	2.87E-07	6.37E-07	4.05E-08	3.59E-07	7.89E-07	4.78E-08	4.11E-07	9.33E-07	5.04E-08	4.17E-07	9.89E-07	3.93E-08	3.51E-07	7.80E-07
9,658	6.29E-08	5.68E-07	1.28E-06	5.12E-08	4.40E-07	9.63E-07	3.36E-08	2.86E-07	6.37E-07	4.02E-08	3.58E-07	7.88E-07	4.77E-08	4.11E-07	9.33E-07	5.04E-08	4.17E-07	9.88E-07	3.92E-08	3.50E-07	7.79E-07
9,659	6.28E-08	5.65E-07	1.28E-06	5.12E-08	4.39E-07	9.63E-07	3.36E-08	2.86E-07	6.35E-07	4.02E-08	3.57E-07	7.88E-07	4.77E-08	4.11E-07	9.32E-07	5.03E-08	4.16E-07	9.88E-07	3.92E-08	3.49E-07	7.78E-07
9,660	6.27E-08	5.62E-07	1.28E-06	5.11E-08	4.39E-07	9.61E-07	3.36E-08	2.86E-07	6.34E-07	4.02E-08	3.55E-07	7.88E-07	4.73E-08	4.10E-07	9.31E-07	5.00E-08	4.15E-07	9.86E-07	3.92E-08	3.49E-07	7.73E-07
9,661	6.25E-08	5.61E-07	1.28E-06	5.11E-08	4.39E-07	9.61E-07	3.36E-08	2.86E-07	6.33E-07	4.02E-08	3.55E-07	7.85E-07	4.72E-08	4.08E-07	9.29E-07	5.00E-08	4.15E-07	9.85E-07	3.91E-08	3.49E-07	7.73E-07
9,662	6.24E-08	5.60E-07	1.27E-06	5.09E-08	4.39E-07	9.59E-07	3.36E-08	2.86E-07	6.31E-07	4.01E-08	3.55E-07	7.84E-07	4.72E-08	4.07E-07	9.29E-07	5.00E-08	4.15E-07	9.85E-07	3.90E-08	3.49E-07	7.73E-07
9,663	6.23E-08	5.57E-07	1.27E-06	5.06E-08	4.38E-07	9.56E-07	3.35E-08	2.86E-07	6.31E-07	4.01E-08	3.54E-07	7.82E-07	4.70E-08	4.07E-07	9.28E-07	4.98E-08	4.15E-07	9.85E-07	3.88E-08	3.49E-07	7.73E-07
9,664	6.21E-08	5.55E-07	1.27E-06	5.02E-08	4.36E-07	9.56E-07	3.35E-08	2.86E-07	6.30E-07	4.01E-08	3.54E-07	7.82E-07	4.69E-08	4.06E-07	9.25E-07	4.98E-08	4.14E-07	9.84E-07	3.88E-08	3.48E-07	7.72E-07
9,665	6.19E-08	5.55E-07	1.27E-06	5.01E-08	4.35E-07	9.52E-07	3.35E-08	2.85E-07	6.30E-07	4.00E-08	3.54E-07	7.81E-07	4.68E-08	4.03E-07	9.24E-07	4.98E-08	4.13E-07	9.84E-07	3.86E-08	3.48E-07	7.70E-07
9,666	6.18E-08	5.54E-07	1.27E-06	5.00E-08	4.35E-07	9.47E-07	3.34E-08	2.85E-07	6.26E-07	3.99E-08	3.54E-07	7.80E-07	4.68E-08	4.03E-07	9.24E-07	4.97E-08	4.13E-07	9.83E-07	3.85E-08	3.47E-07	7.70E-07
9,667	6.17E-08	5.54E-07	1.27E-06	5.00E-08	4.34E-07	9.47E-07	3.32E-08	2.84E-07	6.26E-07	3.99E-08	3.54E-07	7.80E-07	4.67E-08	4.03E-07	9.23E-07	4.96E-08	4.13E-07	9.82E-07	3.84E-08	3.47E-07	7.69E-07
9,668	6.17E-08	5.54E-07	1.27E-06	4.98E-08	4.33E-07	9.46E-07	3.32E-08	2.84E-07	6.25E-07	3.99E-08	3.53E-07	7.79E-07	4.64E-08	4.02E-07	9.20E-07	4.95E-08	4.12E-07	9.78E-07	3.84E-08	3.47E-07	7.69E-07
9,669	6.15E-08	5.53E-07	1.26E-06	4.98E-08	4.33E-07	9.45E-07	3.31E-08	2.84E-07	6.24E-07	3.99E-08	3.53E-07	7.75E-07	4.63E-08	4.02E-07	9.19E-07	4.93E-08	4.12E-07	9.78E-07	3.84E-08	3.46E-07	7.68E-07
9,670	6.15E-08	5.53E-07	1.26E-06	4.97E-08	4.31E-07	9.43E-07	3.30E-08	2.84E-07	6.21E-07	3.98E-08	3.52E-07	7.75E-07	4.63E-08	4.01E-07	9.19E-07	4.93E-08	4.11E-07	9.77E-07	3.82E-08	3.46E-07	7.67E-07
9,671	6.14E-08	5.52E-07	1.26E-06	4.96E-08	4.31E-07	9.42E-07	3.29E-08	2.84E-07	6.19E-07	3.98E-08	3.51E-07	7.74E-07	4.63E-08	4.01E-07	9.18E-07	4.92E-08	4.10E-07	9.76E-07	3.82E-08	3.46E-07	7.66E-07
9,672	6.13E-08	5.52E-07	1.25E-06	4.96E-08	4.30E-07	9.40E-07	3.29E-08	2.83E-07	6.19E-07	3.97E-08	3.50E-07	7.70E-07	4.62E-08	4.00E-07	9.17E-07	4.89E-08	4.09E-07	9.76E-07	3.80E-08	3.46E-07	7.65E-07
9,673	6.13E-08	5.51E-07	1.25E-06	4.96E-08	4.30E-07	9.40E-07	3.29E-08	2.83E-07	6.16E-07	3.97E-08	3.49E-07	7.69E-07	4.61E-08	3.99E-07	9.14E-07	4.89E-08	4.08E-07	9.74E-07	3.80E-08	3.45E-07	7.65E-07
9,674	6.13E-08	5.50E-07	1.25E-06	4.95E-08	4.30E-07	9.39E-07	3.29E-08	2.83E-07	6.16E-07	3.96E-08	3.49E-07	7.68E-07	4.60E-08	3.98E-07	9.08E-07	4.87E-08	4.08E-07	9.74E-07	3.80E-08	3.44E-07	7.64E-07
9,675	6.10E-08	5.50E-07	1.25E-06	4.95E-08	4.29E-07	9.39E-07	3.28E-08	2.83E-07	6.14E-07	3.94E-08	3.48E-07	7.66E-07	4.60E-08	3.98E-07	9.06E-07	4.86E-08	4.06E-07	9.74E-07	3.80E-08	3.44E-07	7.64E-07
9,676	6.09E-08	5.48E-07	1.25E-06	4.95E-08	4.29E-07	9.37E-07	3.28E-08	2.82E-07	6.13E-07	3.94E-08	3.48E-07	7.62E-07	4.60E-08	3.98E-07	9.06E-07	4.85E-08	4.06E-07	9.73E-07	3.78E-08	3.44E-07	7.63E-07
9,677	6.08E-08	5.43E-07	1.25E-06	4.94E-08	4.28E-07	9.37E-07	3.28E-08	2.82E-07													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,712	5.83E-08	5.21E-07	1.18E-06	4.67E-08	4.08E-07	9.03E-07	3.13E-08	2.65E-07	5.76E-07	3.70E-08	3.26E-07	7.28E-07	4.31E-08	3.80E-07	8.57E-07	4.52E-08	3.84E-07	9.22E-07	3.53E-08	3.22E-07	7.34E-07
9,713	5.81E-08	5.20E-07	1.18E-06	4.66E-08	4.08E-07	9.02E-07	3.13E-08	2.65E-07	5.76E-07	3.68E-08	3.26E-07	7.28E-07	4.29E-08	3.80E-07	8.53E-07	4.50E-08	3.84E-07	9.21E-07	3.52E-08	3.22E-07	7.34E-07
9,714	5.80E-08	5.18E-07	1.18E-06	4.64E-08	4.08E-07	9.02E-07	3.13E-08	2.65E-07	5.76E-07	3.68E-08	3.26E-07	7.27E-07	4.29E-08	3.79E-07	8.53E-07	4.49E-08	3.83E-07	9.20E-07	3.52E-08	3.21E-07	7.32E-07
9,715	5.80E-08	5.18E-07	1.18E-06	4.64E-08	4.06E-07	9.02E-07	3.12E-08	2.65E-07	5.75E-07	3.67E-08	3.24E-07	7.25E-07	4.28E-08	3.79E-07	8.51E-07	4.49E-08	3.82E-07	9.16E-07	3.50E-08	3.21E-07	7.32E-07
9,716	5.80E-08	5.17E-07	1.17E-06	4.64E-08	4.05E-07	9.01E-07	3.11E-08	2.63E-07	5.75E-07	3.67E-08	3.23E-07	7.20E-07	4.28E-08	3.74E-07	8.51E-07	4.49E-08	3.82E-07	9.15E-07	3.49E-08	3.20E-07	7.30E-07
9,717	5.80E-08	5.17E-07	1.17E-06	4.64E-08	4.05E-07	9.00E-07	3.11E-08	2.63E-07	5.73E-07	3.67E-08	3.23E-07	7.18E-07	4.27E-08	3.74E-07	8.51E-07	4.48E-08	3.81E-07	9.15E-07	3.47E-08	3.19E-07	7.30E-07
9,718	5.77E-08	5.17E-07	1.17E-06	4.64E-08	4.03E-07	8.99E-07	3.10E-08	2.63E-07	5.72E-07	3.65E-08	3.23E-07	7.16E-07	4.26E-08	3.74E-07	8.47E-07	4.47E-08	3.81E-07	9.14E-07	3.47E-08	3.18E-07	7.29E-07
9,719	5.75E-08	5.16E-07	1.17E-06	4.63E-08	4.03E-07	8.99E-07	3.09E-08	2.62E-07	5.71E-07	3.65E-08	3.22E-07	7.16E-07	4.26E-08	3.74E-07	8.45E-07	4.47E-08	3.80E-07	9.14E-07	3.47E-08	3.18E-07	7.28E-07
9,720	5.75E-08	5.16E-07	1.17E-06	4.62E-08	4.01E-07	8.99E-07	3.09E-08	2.62E-07	5.71E-07	3.64E-08	3.22E-07	7.16E-07	4.25E-08	3.74E-07	8.44E-07	4.47E-08	3.79E-07	9.13E-07	3.47E-08	3.18E-07	7.27E-07
9,721	5.73E-08	5.15E-07	1.17E-06	4.62E-08	4.00E-07	8.98E-07	3.09E-08	2.62E-07	5.70E-07	3.64E-08	3.22E-07	7.13E-07	4.24E-08	3.73E-07	8.43E-07	4.47E-08	3.78E-07	9.12E-07	3.45E-08	3.18E-07	7.25E-07
9,722	5.72E-08	5.15E-07	1.16E-06	4.61E-08	4.00E-07	8.97E-07	3.08E-08	2.61E-07	5.69E-07	3.63E-08	3.21E-07	7.12E-07	4.23E-08	3.72E-07	8.43E-07	4.45E-08	3.78E-07	9.09E-07	3.45E-08	3.17E-07	7.25E-07
9,723	5.72E-08	5.15E-07	1.16E-06	4.59E-08	4.00E-07	8.93E-07	3.07E-08	2.61E-07	5.68E-07	3.63E-08	3.20E-07	7.11E-07	4.23E-08	3.72E-07	8.42E-07	4.43E-08	3.76E-07	9.01E-07	3.45E-08	3.17E-07	7.20E-07
9,724	5.71E-08	5.14E-07	1.16E-06	4.59E-08	3.99E-07	8.91E-07	3.07E-08	2.61E-07	5.67E-07	3.62E-08	3.19E-07	7.10E-07	4.22E-08	3.72E-07	8.41E-07	4.43E-08	3.75E-07	9.00E-07	3.44E-08	3.17E-07	7.15E-07
9,725	5.64E-08	5.14E-07	1.16E-06	4.57E-08	3.98E-07	8.91E-07	3.07E-08	2.60E-07	5.67E-07	3.61E-08	3.19E-07	7.06E-07	4.22E-08	3.72E-07	8.39E-07	4.42E-08	3.74E-07	8.99E-07	3.44E-08	3.15E-07	7.14E-07
9,726	5.63E-08	5.14E-07	1.16E-06	4.57E-08	3.98E-07	8.90E-07	3.06E-08	2.59E-07	5.67E-07	3.60E-08	3.18E-07	7.05E-07	4.22E-08	3.71E-07	8.33E-07	4.41E-08	3.72E-07	8.98E-07	3.42E-08	3.14E-07	7.14E-07
9,727	5.63E-08	5.13E-07	1.15E-06	4.55E-08	3.98E-07	8.89E-07	3.05E-08	2.58E-07	5.66E-07	3.58E-08	3.18E-07	7.01E-07	4.21E-08	3.70E-07	8.33E-07	4.41E-08	3.72E-07	8.91E-07	3.41E-08	3.14E-07	7.13E-07
9,728	5.62E-08	5.12E-07	1.15E-06	4.54E-08	3.98E-07	8.89E-07	3.04E-08	2.57E-07	5.66E-07	3.57E-08	3.18E-07	7.00E-07	4.21E-08	3.70E-07	8.27E-07	4.40E-08	3.71E-07	8.90E-07	3.41E-08	3.13E-07	7.07E-07
9,729	5.61E-08	5.12E-07	1.15E-06	4.54E-08	3.97E-07	8.88E-07	3.03E-08	2.57E-07	5.63E-07	3.57E-08	3.17E-07	7.00E-07	4.21E-08	3.67E-07	8.25E-07	4.39E-08	3.71E-07	8.88E-07	3.40E-08	3.12E-07	7.05E-07
9,730	5.61E-08	5.08E-07	1.14E-06	4.53E-08	3.97E-07	8.82E-07	3.02E-08	2.57E-07	5.63E-07	3.57E-08	3.17E-07	6.99E-07	4.19E-08	3.67E-07	8.20E-07	4.37E-08	3.69E-07	8.87E-07	3.39E-08	3.11E-07	7.05E-07
9,731	5.60E-08	5.08E-07	1.14E-06	4.52E-08	3.96E-07	8.81E-07	3.01E-08	2.57E-07	5.63E-07	3.55E-08	3.17E-07	6.97E-07	4.19E-08	3.67E-07	8.20E-07	4.37E-08	3.69E-07	8.86E-07	3.39E-08	3.11E-07	7.05E-07
9,732	5.60E-08	5.08E-07	1.14E-06	4.52E-08	3.96E-07	8.78E-07	3.01E-08	2.56E-07	5.62E-07	3.51E-08	3.17E-07	6.96E-07	4.19E-08	3.67E-07	8.17E-07	4.36E-08	3.68E-07	8.85E-07	3.39E-08	3.10E-07	7.03E-07
9,733	5.59E-08	5.07E-07	1.14E-06	4.52E-08	3.96E-07	8.78E-07	3.01E-08	2.56E-07	5.59E-07	3.51E-08	3.17E-07	6.95E-07	4.19E-08	3.67E-07	8.13E-07	4.36E-08	3.68E-07	8.85E-07	3.39E-08	3.10E-07	7.02E-07
9,734	5.57E-08	5.07E-07	1.13E-06	4.51E-08	3.95E-07	8.76E-07	3.01E-08	2.56E-07	5.59E-07	3.50E-08	3.17E-07	6.95E-07	4.19E-08	3.66E-07	8.10E-07	4.36E-08	3.67E-07	8.85E-07	3.37E-08	3.10E-07	7.01E-07
9,735	5.56E-08	5.07E-07	1.13E-06	4.48E-08	3.95E-07	8.75E-07	3.00E-08	2.55E-07	5.58E-07	3.50E-08	3.15E-07	6.95E-07	4.19E-08	3.66E-07	8.09E-07	4.35E-08	3.67E-07	8.83E-07	3.37E-08	3.08E-07	7.00E-07
9,736	5.55E-08	5.05E-07	1.13E-06	4.47E-08	3.94E-07	8.75E-07	2.99E-08	2.54E-07	5.58E-07	3.50E-08	3.15E-07	6.89E-07	4.19E-08	3.65E-07	8.02E-07	4.33E-08	3.67E-07	8.81E-07	3.36E-08	3.08E-07	7.00E-07
9,737	5.54E-08	5.05E-07	1.13E-06	4.47E-08	3.93E-07	8.71E-07	2.99E-08	2.54E-07	5.56E-07	3.50E-08	3.14E-07	6.88E-07	4.18E-08	3.65E-07	8.01E-07	4.33E-08	3.67E-07	8.80E-07	3.34E-08	3.07E-07	7.00E-07
9,738	5.54E-08	5.05E-07	1.13E-06	4.43E-08	3.92E-07	8.66E-07	2.98E-08	2.53E-07	5.55E-07	3.49E-08	3.14E-07	6.87E-07	4.17E-08	3.64E-07	8.01E-07	4.32E-08	3.66E-07	8.78E-07	3.34E-08	3.06E-07	6.93E-07
9,739	5.54E-08	5.03E-07	1.12E-06	4.42E-08	3.92E-07	8.59E-07	2.97E-08	2.53E-07													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,774	5.15E-08	4.74E-07	1.03E-06	4.14E-08	3.75E-07	8.15E-07	2.75E-08	2.30E-07	5.22E-07	3.26E-08	2.94E-07	6.56E-07	3.88E-08	3.41E-07	7.56E-07	4.02E-08	3.42E-07	7.94E-07	3.16E-08	2.87E-07	6.45E-07
9,775	5.14E-08	4.73E-07	1.03E-06	4.14E-08	3.74E-07	8.09E-07	2.74E-08	2.29E-07	5.22E-07	3.25E-08	2.93E-07	6.55E-07	3.87E-08	3.41E-07	7.55E-07	4.01E-08	3.42E-07	7.94E-07	3.16E-08	2.87E-07	6.43E-07
9,776	5.14E-08	4.72E-07	1.03E-06	4.13E-08	3.73E-07	8.08E-07	2.73E-08	2.29E-07	5.21E-07	3.25E-08	2.92E-07	6.53E-07	3.87E-08	3.40E-07	7.53E-07	4.01E-08	3.42E-07	7.92E-07	3.14E-08	2.87E-07	6.43E-07
9,777	5.14E-08	4.72E-07	1.03E-06	4.10E-08	3.72E-07	8.04E-07	2.73E-08	2.28E-07	5.21E-07	3.24E-08	2.92E-07	6.53E-07	3.86E-08	3.40E-07	7.53E-07	4.01E-08	3.42E-07	7.92E-07	3.14E-08	2.86E-07	6.39E-07
9,778	5.14E-08	4.71E-07	1.03E-06	4.10E-08	3.70E-07	8.02E-07	2.73E-08	2.28E-07	5.20E-07	3.24E-08	2.92E-07	6.49E-07	3.86E-08	3.40E-07	7.52E-07	3.97E-08	3.39E-07	7.92E-07	3.12E-08	2.85E-07	6.37E-07
9,779	5.13E-08	4.70E-07	1.03E-06	4.10E-08	3.70E-07	8.00E-07	2.72E-08	2.27E-07	5.18E-07	3.23E-08	2.91E-07	6.48E-07	3.86E-08	3.38E-07	7.52E-07	3.97E-08	3.37E-07	7.91E-07	3.11E-08	2.84E-07	6.36E-07
9,780	5.12E-08	4.70E-07	1.03E-06	4.08E-08	3.66E-07	7.99E-07	2.70E-08	2.26E-07	5.18E-07	3.23E-08	2.90E-07	6.48E-07	3.86E-08	3.36E-07	7.50E-07	3.97E-08	3.37E-07	7.90E-07	3.09E-08	2.84E-07	6.35E-07
9,781	5.12E-08	4.70E-07	1.02E-06	4.06E-08	3.65E-07	7.98E-07	2.70E-08	2.26E-07	5.18E-07	3.23E-08	2.90E-07	6.47E-07	3.85E-08	3.36E-07	7.50E-07	3.96E-08	3.37E-07	7.85E-07	3.08E-08	2.82E-07	6.33E-07
9,782	5.11E-08	4.69E-07	1.02E-06	4.04E-08	3.64E-07	7.98E-07	2.70E-08	2.26E-07	5.17E-07	3.23E-08	2.88E-07	6.46E-07	3.82E-08	3.36E-07	7.49E-07	3.96E-08	3.36E-07	7.84E-07	3.07E-08	2.82E-07	6.33E-07
9,783	5.09E-08	4.64E-07	1.02E-06	4.04E-08	3.64E-07	7.96E-07	2.69E-08	2.25E-07	5.17E-07	3.21E-08	2.88E-07	6.45E-07	3.82E-08	3.35E-07	7.47E-07	3.95E-08	3.36E-07	7.83E-07	3.07E-08	2.82E-07	6.31E-07
9,784	5.08E-08	4.63E-07	1.01E-06	4.04E-08	3.62E-07	7.96E-07	2.68E-08	2.25E-07	5.17E-07	3.20E-08	2.88E-07	6.44E-07	3.78E-08	3.35E-07	7.46E-07	3.94E-08	3.36E-07	7.77E-07	3.06E-08	2.81E-07	6.31E-07
9,785	5.07E-08	4.62E-07	1.01E-06	4.04E-08	3.61E-07	7.95E-07	2.68E-08	2.24E-07	5.17E-07	3.17E-08	2.87E-07	6.41E-07	3.78E-08	3.31E-07	7.45E-07	3.92E-08	3.35E-07	7.72E-07	3.05E-08	2.81E-07	6.30E-07
9,786	5.05E-08	4.62E-07	1.00E-06	4.04E-08	3.60E-07	7.93E-07	2.68E-08	2.24E-07	5.16E-07	3.17E-08	2.87E-07	6.40E-07	3.77E-08	3.31E-07	7.45E-07	3.91E-08	3.33E-07	7.72E-07	3.05E-08	2.81E-07	6.30E-07
9,787	5.04E-08	4.62E-07	1.00E-06	4.04E-08	3.60E-07	7.87E-07	2.67E-08	2.23E-07	5.15E-07	3.17E-08	2.87E-07	6.36E-07	3.77E-08	3.31E-07	7.45E-07	3.90E-08	3.32E-07	7.72E-07	3.05E-08	2.80E-07	6.26E-07
9,788	5.03E-08	4.60E-07	1.00E-06	4.03E-08	3.58E-07	7.85E-07	2.67E-08	2.23E-07	5.15E-07	3.16E-08	2.87E-07	6.35E-07	3.77E-08	3.31E-07	7.44E-07	3.87E-08	3.32E-07	7.70E-07	3.04E-08	2.78E-07	6.24E-07
9,789	5.03E-08	4.60E-07	9.98E-07	4.01E-08	3.58E-07	7.83E-07	2.67E-08	2.23E-07	5.12E-07	3.16E-08	2.87E-07	6.34E-07	3.77E-08	3.31E-07	7.44E-07	3.86E-08	3.32E-07	7.69E-07	3.04E-08	2.76E-07	6.22E-07
9,790	4.99E-08	4.58E-07	9.96E-07	4.00E-08	3.58E-07	7.82E-07	2.66E-08	2.23E-07	5.12E-07	3.16E-08	2.86E-07	6.33E-07	3.76E-08	3.31E-07	7.41E-07	3.85E-08	3.31E-07	7.68E-07	3.03E-08	2.76E-07	6.22E-07
9,791	4.98E-08	4.58E-07	9.96E-07	3.99E-08	3.58E-07	7.80E-07	2.66E-08	2.21E-07	5.11E-07	3.15E-08	2.86E-07	6.33E-07	3.75E-08	3.31E-07	7.40E-07	3.85E-08	3.30E-07	7.66E-07	3.03E-08	2.72E-07	6.22E-07
9,792	4.98E-08	4.58E-07	9.96E-07	3.99E-08	3.58E-07	7.79E-07	2.64E-08	2.21E-07	5.11E-07	3.14E-08	2.86E-07	6.30E-07	3.75E-08	3.30E-07	7.39E-07	3.85E-08	3.29E-07	7.64E-07	3.03E-08	2.71E-07	6.22E-07
9,793	4.97E-08	4.57E-07	9.93E-07	3.99E-08	3.56E-07	7.76E-07	2.64E-08	2.19E-07	5.08E-07	3.14E-08	2.86E-07	6.29E-07	3.75E-08	3.30E-07	7.39E-07	3.84E-08	3.29E-07	7.62E-07	3.02E-08	2.71E-07	6.18E-07
9,794	4.96E-08	4.56E-07	9.92E-07	3.99E-08	3.55E-07	7.75E-07	2.64E-08	2.19E-07	5.08E-07	3.13E-08	2.85E-07	6.24E-07	3.74E-08	3.30E-07	7.37E-07	3.84E-08	3.28E-07	7.60E-07	3.01E-08	2.70E-07	6.16E-07
9,795	4.96E-08	4.56E-07	9.90E-07	3.98E-08	3.55E-07	7.71E-07	2.63E-08	2.19E-07	5.07E-07	3.13E-08	2.84E-07	6.22E-07	3.74E-08	3.29E-07	7.36E-07	3.83E-08	3.28E-07	7.55E-07	3.01E-08	2.68E-07	6.15E-07
9,796	4.93E-08	4.56E-07	9.89E-07	3.98E-08	3.55E-07	7.71E-07	2.62E-08	2.19E-07	5.06E-07	3.12E-08	2.83E-07	6.20E-07	3.74E-08	3.28E-07	7.35E-07	3.82E-08	3.27E-07	7.50E-07	3.01E-08	2.68E-07	6.14E-07
9,797	4.93E-08	4.54E-07	9.89E-07	3.97E-08	3.54E-07	7.71E-07	2.62E-08	2.18E-07	5.05E-07	3.11E-08	2.82E-07	6.18E-07	3.72E-08	3.28E-07	7.34E-07	3.82E-08	3.27E-07	7.49E-07	3.01E-08	2.68E-07	6.13E-07
9,798	4.92E-08	4.54E-07	9.87E-07	3.97E-08	3.54E-07	7.69E-07	2.62E-08	2.17E-07	5.04E-07	3.11E-08	2.82E-07	6.15E-07	3.72E-08	3.27E-07	7.34E-07	3.79E-08	3.27E-07	7.44E-07	3.01E-08	2.68E-07	6.13E-07
9,799	4.92E-08	4.51E-07	9.87E-07	3.96E-08	3.53E-07	7.69E-07	2.61E-08	2.17E-07	5.04E-07	3.09E-08	2.81E-07	6.11E-07	3.71E-08	3.25E-07	7.33E-07	3.78E-08	3.27E-07	7.42E-07	3.00E-08	2.66E-07	6.10E-07
9,800	4.91E-08	4.51E-07	9.85E-07	3.96E-08	3.52E-07	7.68E-07	2.61E-08	2.17E-07	5.03E-07	3.09E-08	2.81E-07	6.10E-07	3.71E-08	3.25E-07	7.28E-07	3.78E-08	3.26E-07	7.36E-07	3.00E-08	2.65E-07	6.08E-07
9,801	4.89E-08	4.50E-07	9.82E-07	3.94E-08	3.52E-07	7.67E-07	2.61E-08	2.16E-07													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,836	4.46E-08	4.17E-07	9.20E-07	3.59E-08	3.20E-07	7.18E-07	2.36E-08	1.97E-07	4.68E-07	2.80E-08	2.60E-07	5.54E-07	3.36E-08	3.01E-07	6.69E-07	3.45E-08	3.00E-07	6.74E-07	2.76E-08	2.38E-07	5.60E-07
9,837	4.44E-08	4.17E-07	9.19E-07	3.59E-08	3.14E-07	7.17E-07	2.36E-08	1.95E-07	4.67E-07	2.79E-08	2.59E-07	5.54E-07	3.36E-08	3.01E-07	6.68E-07	3.43E-08	2.99E-07	6.73E-07	2.75E-08	2.37E-07	5.58E-07
9,838	4.43E-08	4.16E-07	9.16E-07	3.58E-08	3.11E-07	7.13E-07	2.35E-08	1.95E-07	4.66E-07	2.77E-08	2.59E-07	5.53E-07	3.36E-08	3.00E-07	6.66E-07	3.43E-08	2.96E-07	6.71E-07	2.75E-08	2.36E-07	5.58E-07
9,839	4.41E-08	4.14E-07	9.09E-07	3.58E-08	3.10E-07	7.12E-07	2.35E-08	1.95E-07	4.66E-07	2.76E-08	2.58E-07	5.52E-07	3.35E-08	3.00E-07	6.65E-07	3.43E-08	2.94E-07	6.66E-07	2.74E-08	2.36E-07	5.57E-07
9,840	4.41E-08	4.12E-07	9.08E-07	3.56E-08	3.08E-07	7.08E-07	2.35E-08	1.95E-07	4.65E-07	2.76E-08	2.58E-07	5.51E-07	3.34E-08	2.98E-07	6.65E-07	3.42E-08	2.94E-07	6.66E-07	2.74E-08	2.35E-07	5.56E-07
9,841	4.38E-08	4.11E-07	9.08E-07	3.55E-08	3.07E-07	7.06E-07	2.34E-08	1.94E-07	4.63E-07	2.74E-08	2.57E-07	5.50E-07	3.33E-08	2.96E-07	6.63E-07	3.42E-08	2.93E-07	6.63E-07	2.73E-08	2.35E-07	5.53E-07
9,842	4.37E-08	4.09E-07	9.05E-07	3.54E-08	3.07E-07	7.05E-07	2.34E-08	1.94E-07	4.62E-07	2.73E-08	2.57E-07	5.49E-07	3.32E-08	2.96E-07	6.62E-07	3.41E-08	2.92E-07	6.61E-07	2.71E-08	2.35E-07	5.53E-07
9,843	4.33E-08	4.08E-07	9.01E-07	3.51E-08	3.07E-07	7.04E-07	2.34E-08	1.94E-07	4.61E-07	2.72E-08	2.57E-07	5.48E-07	3.31E-08	2.95E-07	6.56E-07	3.41E-08	2.89E-07	6.58E-07	2.71E-08	2.34E-07	5.52E-07
9,844	4.33E-08	4.08E-07	9.00E-07	3.47E-08	3.06E-07	7.04E-07	2.32E-08	1.93E-07	4.60E-07	2.70E-08	2.56E-07	5.46E-07	3.30E-08	2.94E-07	6.54E-07	3.39E-08	2.89E-07	6.51E-07	2.71E-08	2.34E-07	5.41E-07
9,845	4.33E-08	4.04E-07	8.98E-07	3.46E-08	3.05E-07	7.01E-07	2.31E-08	1.93E-07	4.58E-07	2.70E-08	2.56E-07	5.45E-07	3.28E-08	2.94E-07	6.52E-07	3.37E-08	2.88E-07	6.50E-07	2.71E-08	2.33E-07	5.40E-07
9,846	4.32E-08	4.03E-07	8.95E-07	3.43E-08	3.05E-07	6.98E-07	2.30E-08	1.92E-07	4.57E-07	2.70E-08	2.53E-07	5.44E-07	3.27E-08	2.94E-07	6.47E-07	3.37E-08	2.88E-07	6.50E-07	2.70E-08	2.33E-07	5.40E-07
9,847	4.30E-08	4.03E-07	8.94E-07	3.42E-08	3.01E-07	6.92E-07	2.29E-08	1.92E-07	4.57E-07	2.70E-08	2.53E-07	5.43E-07	3.26E-08	2.94E-07	6.44E-07	3.36E-08	2.87E-07	6.49E-07	2.69E-08	2.33E-07	5.34E-07
9,848	4.29E-08	4.02E-07	8.85E-07	3.38E-08	3.01E-07	6.92E-07	2.29E-08	1.91E-07	4.55E-07	2.69E-08	2.52E-07	5.43E-07	3.26E-08	2.93E-07	6.44E-07	3.32E-08	2.87E-07	6.49E-07	2.68E-08	2.33E-07	5.34E-07
9,849	4.29E-08	4.01E-07	8.85E-07	3.38E-08	2.99E-07	6.91E-07	2.29E-08	1.90E-07	4.54E-07	2.68E-08	2.51E-07	5.41E-07	3.25E-08	2.92E-07	6.43E-07	3.31E-08	2.85E-07	6.48E-07	2.67E-08	2.33E-07	5.33E-07
9,850	4.27E-08	3.97E-07	8.85E-07	3.35E-08	2.98E-07	6.88E-07	2.29E-08	1.89E-07	4.51E-07	2.68E-08	2.50E-07	5.40E-07	3.24E-08	2.92E-07	6.41E-07	3.30E-08	2.84E-07	6.48E-07	2.67E-08	2.31E-07	5.32E-07
9,851	4.27E-08	3.94E-07	8.85E-07	3.35E-08	2.98E-07	6.82E-07	2.28E-08	1.89E-07	4.51E-07	2.67E-08	2.50E-07	5.39E-07	3.23E-08	2.91E-07	6.41E-07	3.27E-08	2.84E-07	6.46E-07	2.65E-08	2.30E-07	5.31E-07
9,852	4.26E-08	3.94E-07	8.83E-07	3.34E-08	2.96E-07	6.82E-07	2.27E-08	1.89E-07	4.50E-07	2.66E-08	2.49E-07	5.37E-07	3.21E-08	2.90E-07	6.39E-07	3.25E-08	2.83E-07	6.43E-07	2.65E-08	2.30E-07	5.26E-07
9,853	4.25E-08	3.93E-07	8.83E-07	3.33E-08	2.96E-07	6.78E-07	2.26E-08	1.88E-07	4.49E-07	2.66E-08	2.49E-07	5.37E-07	3.21E-08	2.90E-07	6.35E-07	3.23E-08	2.83E-07	6.43E-07	2.65E-08	2.30E-07	5.25E-07
9,854	4.25E-08	3.93E-07	8.82E-07	3.33E-08	2.95E-07	6.77E-07	2.26E-08	1.88E-07	4.48E-07	2.65E-08	2.47E-07	5.36E-07	3.17E-08	2.88E-07	6.33E-07	3.21E-08	2.83E-07	6.40E-07	2.65E-08	2.29E-07	5.23E-07
9,855	4.23E-08	3.88E-07	8.74E-07	3.32E-08	2.95E-07	6.76E-07	2.24E-08	1.87E-07	4.48E-07	2.62E-08	2.46E-07	5.30E-07	3.17E-08	2.88E-07	6.31E-07	3.21E-08	2.82E-07	6.40E-07	2.61E-08	2.27E-07	5.23E-07
9,856	4.23E-08	3.87E-07	8.63E-07	3.32E-08	2.95E-07	6.76E-07	2.24E-08	1.86E-07	4.46E-07	2.62E-08	2.46E-07	5.30E-07	3.16E-08	2.88E-07	6.31E-07	3.21E-08	2.81E-07	6.38E-07	2.60E-08	2.27E-07	5.21E-07
9,857	4.22E-08	3.87E-07	8.63E-07	3.30E-08	2.94E-07	6.73E-07	2.23E-08	1.86E-07	4.45E-07	2.61E-08	2.46E-07	5.29E-07	3.16E-08	2.88E-07	6.30E-07	3.20E-08	2.81E-07	6.38E-07	2.59E-08	2.27E-07	5.20E-07
9,858	4.21E-08	3.87E-07	8.63E-07	3.29E-08	2.93E-07	6.64E-07	2.22E-08	1.86E-07	4.44E-07	2.61E-08	2.46E-07	5.28E-07	3.14E-08	2.86E-07	6.27E-07	3.20E-08	2.79E-07	6.38E-07	2.58E-08	2.27E-07	5.19E-07
9,859	4.20E-08	3.86E-07	8.51E-07	3.29E-08	2.93E-07	6.57E-07	2.21E-08	1.85E-07	4.42E-07	2.60E-08	2.45E-07	5.22E-07	3.12E-08	2.85E-07	6.27E-07	3.20E-08	2.79E-07	6.35E-07	2.57E-08	2.26E-07	5.18E-07
9,860	4.16E-08	3.86E-07	8.50E-07	3.28E-08	2.93E-07	6.57E-07	2.19E-08	1.85E-07	4.42E-07	2.59E-08	2.44E-07	5.22E-07	3.11E-08	2.84E-07	6.26E-07	3.20E-08	2.79E-07	6.35E-07	2.57E-08	2.25E-07	5.17E-07
9,861	4.11E-08	3.82E-07	8.49E-07	3.28E-08	2.92E-07	6.50E-07	2.19E-08	1.85E-07	4.41E-07	2.59E-08	2.44E-07	5.21E-07	3.11E-08	2.84E-07	6.26E-07	3.18E-08	2.78E-07	6.34E-07	2.55E-08	2.25E-07	5.17E-07
9,862	4.10E-08	3.82E-07	8.49E-07	3.27E-08	2.92E-07	6.49E-07	2.18E-08	1.85E-07	4.39E-07	2.59E-08	2.44E-07	5.19E-07	3.11E-08	2.84E-07	6.22E-07	3.16E-08	2.78E-07	6.33E-07	2.53E-08	2.24E-07	5.09E-07
9,863	4.10E-08	3.82E-07	8.47E-07	3.24E-08	2.92E-07	6.44E-07	2.18E-08	1.85E-07													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,898	3.64E-08	3.44E-07	7.52E-07	2.79E-08	2.55E-07	5.57E-07	1.98E-08	1.68E-07	4.00E-07	2.28E-08	2.13E-07	4.63E-07	2.68E-08	2.54E-07	5.69E-07	2.64E-08	2.47E-07	5.43E-07	2.22E-08	1.92E-07	4.39E-07
9,899	3.63E-08	3.43E-07	7.47E-07	2.78E-08	2.54E-07	5.52E-07	1.98E-08	1.67E-07	4.00E-07	2.25E-08	2.13E-07	4.60E-07	2.67E-08	2.52E-07	5.66E-07	2.64E-08	2.46E-07	5.39E-07	2.19E-08	1.91E-07	4.37E-07
9,900	3.62E-08	3.43E-07	7.46E-07	2.77E-08	2.53E-07	5.49E-07	1.96E-08	1.66E-07	3.99E-07	2.25E-08	2.13E-07	4.60E-07	2.67E-08	2.47E-07	5.65E-07	2.63E-08	2.46E-07	5.35E-07	2.18E-08	1.90E-07	4.36E-07
9,901	3.58E-08	3.40E-07	7.44E-07	2.76E-08	2.53E-07	5.47E-07	1.94E-08	1.65E-07	3.97E-07	2.25E-08	2.12E-07	4.59E-07	2.64E-08	2.46E-07	5.64E-07	2.61E-08	2.44E-07	5.30E-07	2.18E-08	1.89E-07	4.34E-07
9,902	3.55E-08	3.40E-07	7.44E-07	2.74E-08	2.52E-07	5.47E-07	1.93E-08	1.63E-07	3.95E-07	2.23E-08	2.12E-07	4.58E-07	2.63E-08	2.46E-07	5.60E-07	2.61E-08	2.42E-07	5.29E-07	2.16E-08	1.89E-07	4.33E-07
9,903	3.54E-08	3.39E-07	7.43E-07	2.70E-08	2.52E-07	5.44E-07	1.93E-08	1.63E-07	3.88E-07	2.23E-08	2.11E-07	4.58E-07	2.60E-08	2.45E-07	5.59E-07	2.60E-08	2.41E-07	5.22E-07	2.15E-08	1.88E-07	4.33E-07
9,904	3.54E-08	3.38E-07	7.43E-07	2.70E-08	2.48E-07	5.42E-07	1.90E-08	1.63E-07	3.87E-07	2.22E-08	2.10E-07	4.53E-07	2.59E-08	2.44E-07	5.59E-07	2.58E-08	2.41E-07	5.19E-07	2.14E-08	1.87E-07	4.32E-07
9,905	3.54E-08	3.38E-07	7.40E-07	2.70E-08	2.46E-07	5.42E-07	1.90E-08	1.62E-07	3.86E-07	2.21E-08	2.10E-07	4.53E-07	2.58E-08	2.43E-07	5.58E-07	2.57E-08	2.41E-07	5.11E-07	2.13E-08	1.87E-07	4.30E-07
9,906	3.50E-08	3.35E-07	7.33E-07	2.69E-08	2.45E-07	5.39E-07	1.89E-08	1.62E-07	3.82E-07	2.16E-08	2.09E-07	4.52E-07	2.57E-08	2.43E-07	5.53E-07	2.57E-08	2.39E-07	5.11E-07	2.13E-08	1.86E-07	4.30E-07
9,907	3.48E-08	3.35E-07	7.30E-07	2.69E-08	2.43E-07	5.38E-07	1.89E-08	1.61E-07	3.78E-07	2.16E-08	2.07E-07	4.49E-07	2.57E-08	2.42E-07	5.51E-07	2.57E-08	2.38E-07	5.11E-07	2.12E-08	1.86E-07	4.29E-07
9,908	3.47E-08	3.34E-07	7.25E-07	2.66E-08	2.41E-07	5.35E-07	1.88E-08	1.61E-07	3.76E-07	2.14E-08	2.07E-07	4.49E-07	2.56E-08	2.41E-07	5.49E-07	2.57E-08	2.37E-07	5.10E-07	2.10E-08	1.86E-07	4.28E-07
9,909	3.47E-08	3.32E-07	7.16E-07	2.65E-08	2.41E-07	5.33E-07	1.87E-08	1.61E-07	3.76E-07	2.13E-08	2.06E-07	4.48E-07	2.56E-08	2.40E-07	5.47E-07	2.56E-08	2.37E-07	5.09E-07	2.10E-08	1.85E-07	4.28E-07
9,910	3.38E-08	3.30E-07	7.15E-07	2.64E-08	2.40E-07	5.29E-07	1.85E-08	1.61E-07	3.74E-07	2.13E-08	2.06E-07	4.48E-07	2.55E-08	2.39E-07	5.45E-07	2.56E-08	2.34E-07	5.04E-07	2.10E-08	1.85E-07	4.23E-07
9,911	3.37E-08	3.28E-07	7.12E-07	2.64E-08	2.36E-07	5.28E-07	1.83E-08	1.60E-07	3.73E-07	2.13E-08	2.06E-07	4.48E-07	2.54E-08	2.39E-07	5.43E-07	2.55E-08	2.33E-07	5.00E-07	2.08E-08	1.84E-07	4.20E-07
9,912	3.37E-08	3.28E-07	7.11E-07	2.63E-08	2.35E-07	5.16E-07	1.82E-08	1.60E-07	3.73E-07	2.12E-08	2.03E-07	4.47E-07	2.54E-08	2.36E-07	5.41E-07	2.52E-08	2.31E-07	4.99E-07	2.07E-08	1.83E-07	4.19E-07
9,913	3.37E-08	3.27E-07	7.11E-07	2.62E-08	2.33E-07	5.14E-07	1.81E-08	1.59E-07	3.73E-07	2.12E-08	2.03E-07	4.46E-07	2.52E-08	2.32E-07	5.40E-07	2.51E-08	2.31E-07	4.98E-07	2.04E-08	1.82E-07	4.16E-07
9,914	3.34E-08	3.26E-07	7.02E-07	2.60E-08	2.33E-07	5.13E-07	1.80E-08	1.59E-07	3.72E-07	2.10E-08	2.03E-07	4.44E-07	2.51E-08	2.31E-07	5.36E-07	2.51E-08	2.31E-07	4.95E-07	2.03E-08	1.82E-07	4.15E-07
9,915	3.33E-08	3.25E-07	7.02E-07	2.60E-08	2.29E-07	5.12E-07	1.80E-08	1.59E-07	3.70E-07	2.10E-08	2.02E-07	4.42E-07	2.51E-08	2.29E-07	5.35E-07	2.48E-08	2.30E-07	4.94E-07	2.03E-08	1.82E-07	4.15E-07
9,916	3.30E-08	3.23E-07	7.02E-07	2.57E-08	2.28E-07	5.06E-07	1.80E-08	1.58E-07	3.69E-07	2.07E-08	1.98E-07	4.42E-07	2.51E-08	2.27E-07	5.32E-07	2.48E-08	2.29E-07	4.94E-07	2.02E-08	1.82E-07	4.15E-07
9,917	3.28E-08	3.23E-07	6.95E-07	2.56E-08	2.27E-07	5.06E-07	1.80E-08	1.58E-07	3.66E-07	2.07E-08	1.97E-07	4.42E-07	2.49E-08	2.25E-07	5.30E-07	2.47E-08	2.27E-07	4.92E-07	2.01E-08	1.82E-07	4.13E-07
9,918	3.21E-08	3.21E-07	6.90E-07	2.55E-08	2.26E-07	5.04E-07	1.79E-08	1.58E-07	3.66E-07	2.06E-08	1.97E-07	4.41E-07	2.48E-08	2.25E-07	5.29E-07	2.47E-08	2.27E-07	4.91E-07	2.00E-08	1.81E-07	4.07E-07
9,919	3.18E-08	3.19E-07	6.90E-07	2.54E-08	2.26E-07	5.04E-07	1.78E-08	1.58E-07	3.62E-07	2.05E-08	1.96E-07	4.38E-07	2.47E-08	2.24E-07	5.27E-07	2.44E-08	2.26E-07	4.89E-07	1.99E-08	1.80E-07	4.07E-07
9,920	3.16E-08	3.18E-07	6.83E-07	2.52E-08	2.25E-07	5.03E-07	1.75E-08	1.57E-07	3.60E-07	2.05E-08	1.96E-07	4.37E-07	2.47E-08	2.23E-07	5.26E-07	2.42E-08	2.23E-07	4.84E-07	1.97E-08	1.80E-07	4.07E-07
9,921	3.15E-08	3.16E-07	6.82E-07	2.51E-08	2.25E-07	4.99E-07	1.74E-08	1.57E-07	3.57E-07	2.05E-08	1.94E-07	4.35E-07	2.46E-08	2.23E-07	5.25E-07	2.41E-08	2.22E-07	4.82E-07	1.97E-08	1.78E-07	4.05E-07
9,922	3.11E-08	3.15E-07	6.78E-07	2.50E-08	2.23E-07	4.98E-07	1.74E-08	1.57E-07	3.56E-07	2.03E-08	1.93E-07	4.34E-07	2.46E-08	2.23E-07	5.23E-07	2.40E-08	2.21E-07	4.80E-07	1.94E-08	1.77E-07	4.01E-07
9,923	3.10E-08	3.11E-07	6.78E-07	2.49E-08	2.23E-07	4.94E-07	1.74E-08	1.56E-07	3.56E-07	2.02E-08	1.93E-07	4.33E-07	2.45E-08	2.21E-07	5.21E-07	2.39E-08	2.19E-07	4.79E-07	1.94E-08	1.76E-07	4.00E-07
9,924	3.10E-08	3.10E-07	6.78E-07	2.45E-08	2.22E-07	4.94E-07	1.73E-08	1.56E-07	3.55E-07	2.01E-08	1.93E-07	4.32E-07	2.42E-08	2.21E-07	5.16E-07	2.39E-08	2.19E-07	4.77E-07	1.94E-08	1.75E-07	3.99E-07
9,925	3.09E-08	3.07E-07	6.77E-07	2.43E-08	2.20E-07	4.86E-07	1.72E-08	1.55E-07													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,960	2.29E-08	2.54E-07	5.47E-07	1.78E-08	1.80E-07	3.77E-07	1.34E-08	1.21E-07	2.82E-07	1.67E-08	1.52E-07	3.42E-07	1.92E-08	1.80E-07	4.27E-07	1.86E-08	1.72E-07	3.74E-07	1.50E-08	1.33E-07	3.27E-07
9,961	2.28E-08	2.52E-07	5.40E-07	1.76E-08	1.76E-07	3.76E-07	1.34E-08	1.20E-07	2.75E-07	1.66E-08	1.51E-07	3.41E-07	1.91E-08	1.79E-07	4.17E-07	1.85E-08	1.71E-07	3.71E-07	1.50E-08	1.33E-07	3.25E-07
9,962	2.26E-08	2.51E-07	5.34E-07	1.75E-08	1.72E-07	3.75E-07	1.34E-08	1.19E-07	2.74E-07	1.65E-08	1.51E-07	3.41E-07	1.87E-08	1.78E-07	4.12E-07	1.84E-08	1.68E-07	3.70E-07	1.49E-08	1.33E-07	3.24E-07
9,963	2.26E-08	2.44E-07	5.30E-07	1.75E-08	1.71E-07	3.74E-07	1.34E-08	1.19E-07	2.74E-07	1.62E-08	1.49E-07	3.40E-07	1.81E-08	1.77E-07	4.07E-07	1.84E-08	1.64E-07	3.67E-07	1.47E-08	1.32E-07	3.23E-07
9,964	2.26E-08	2.43E-07	5.30E-07	1.74E-08	1.70E-07	3.71E-07	1.32E-08	1.18E-07	2.71E-07	1.61E-08	1.47E-07	3.36E-07	1.78E-08	1.77E-07	4.07E-07	1.84E-08	1.63E-07	3.62E-07	1.46E-08	1.32E-07	3.23E-07
9,965	2.24E-08	2.37E-07	5.29E-07	1.71E-08	1.70E-07	3.69E-07	1.31E-08	1.18E-07	2.69E-07	1.61E-08	1.46E-07	3.36E-07	1.78E-08	1.76E-07	4.07E-07	1.74E-08	1.62E-07	3.62E-07	1.43E-08	1.30E-07	3.20E-07
9,966	2.23E-08	2.37E-07	5.28E-07	1.71E-08	1.68E-07	3.66E-07	1.30E-08	1.18E-07	2.62E-07	1.60E-08	1.46E-07	3.30E-07	1.77E-08	1.74E-07	3.90E-07	1.74E-08	1.59E-07	3.57E-07	1.42E-08	1.29E-07	3.19E-07
9,967	2.22E-08	2.35E-07	5.25E-07	1.71E-08	1.67E-07	3.59E-07	1.24E-08	1.17E-07	2.62E-07	1.59E-08	1.45E-07	3.27E-07	1.76E-08	1.72E-07	3.90E-07	1.72E-08	1.56E-07	3.53E-07	1.38E-08	1.28E-07	3.19E-07
9,968	2.18E-08	2.34E-07	5.15E-07	1.70E-08	1.64E-07	3.58E-07	1.22E-08	1.16E-07	2.57E-07	1.59E-08	1.43E-07	3.27E-07	1.74E-08	1.70E-07	3.89E-07	1.71E-08	1.54E-07	3.50E-07	1.36E-08	1.27E-07	3.19E-07
9,969	2.17E-08	2.34E-07	5.06E-07	1.70E-08	1.61E-07	3.55E-07	1.21E-08	1.14E-07	2.55E-07	1.53E-08	1.37E-07	3.26E-07	1.72E-08	1.68E-07	3.88E-07	1.65E-08	1.51E-07	3.46E-07	1.33E-08	1.25E-07	3.01E-07
9,970	2.17E-08	2.32E-07	5.03E-07	1.69E-08	1.58E-07	3.55E-07	1.21E-08	1.14E-07	2.55E-07	1.48E-08	1.35E-07	3.24E-07	1.70E-08	1.67E-07	3.86E-07	1.62E-08	1.50E-07	3.36E-07	1.33E-08	1.25E-07	2.99E-07
9,971	2.14E-08	2.28E-07	5.00E-07	1.64E-08	1.58E-07	3.53E-07	1.20E-08	1.14E-07	2.51E-07	1.47E-08	1.34E-07	3.14E-07	1.70E-08	1.66E-07	3.79E-07	1.61E-08	1.50E-07	3.33E-07	1.32E-08	1.23E-07	2.98E-07
9,972	2.08E-08	2.25E-07	4.99E-07	1.64E-08	1.57E-07	3.49E-07	1.17E-08	1.12E-07	2.51E-07	1.45E-08	1.29E-07	3.12E-07	1.69E-08	1.65E-07	3.77E-07	1.59E-08	1.48E-07	3.28E-07	1.31E-08	1.22E-07	2.96E-07
9,973	2.07E-08	2.22E-07	4.97E-07	1.61E-08	1.53E-07	3.41E-07	1.16E-08	1.11E-07	2.46E-07	1.45E-08	1.29E-07	3.10E-07	1.65E-08	1.60E-07	3.71E-07	1.57E-08	1.46E-07	3.28E-07	1.31E-08	1.20E-07	2.93E-07
9,974	2.06E-08	2.19E-07	4.81E-07	1.55E-08	1.53E-07	3.30E-07	1.16E-08	1.11E-07	2.44E-07	1.42E-08	1.26E-07	3.08E-07	1.65E-08	1.59E-07	3.67E-07	1.57E-08	1.45E-07	3.26E-07	1.27E-08	1.19E-07	2.89E-07
9,975	2.00E-08	2.17E-07	4.81E-07	1.55E-08	1.48E-07	3.20E-07	1.15E-08	1.10E-07	2.42E-07	1.41E-08	1.26E-07	3.05E-07	1.64E-08	1.58E-07	3.63E-07	1.56E-08	1.40E-07	3.20E-07	1.25E-08	1.18E-07	2.88E-07
9,976	1.99E-08	2.14E-07	4.72E-07	1.54E-08	1.47E-07	3.14E-07	1.10E-08	1.10E-07	2.40E-07	1.41E-08	1.26E-07	3.02E-07	1.64E-08	1.57E-07	3.60E-07	1.55E-08	1.38E-07	3.20E-07	1.25E-08	1.14E-07	2.84E-07
9,977	1.96E-08	2.12E-07	4.54E-07	1.53E-08	1.46E-07	3.11E-07	1.09E-08	1.07E-07	2.34E-07	1.38E-08	1.26E-07	2.99E-07	1.63E-08	1.57E-07	3.42E-07	1.52E-08	1.36E-07	3.19E-07	1.20E-08	1.14E-07	2.82E-07
9,978	1.94E-08	2.11E-07	4.52E-07	1.48E-08	1.46E-07	3.08E-07	1.08E-08	1.04E-07	2.30E-07	1.37E-08	1.22E-07	2.98E-07	1.59E-08	1.55E-07	3.39E-07	1.52E-08	1.31E-07	3.06E-07	1.11E-08	1.13E-07	2.81E-07
9,979	1.94E-08	2.11E-07	4.49E-07	1.48E-08	1.41E-07	3.07E-07	1.07E-08	1.04E-07	2.29E-07	1.37E-08	1.20E-07	2.96E-07	1.56E-08	1.53E-07	3.39E-07	1.51E-08	1.30E-07	3.02E-07	1.11E-08	1.13E-07	2.81E-07
9,980	1.89E-08	2.07E-07	4.38E-07	1.44E-08	1.36E-07	3.07E-07	1.07E-08	1.03E-07	2.23E-07	1.36E-08	1.16E-07	2.92E-07	1.54E-08	1.45E-07	3.38E-07	1.43E-08	1.29E-07	2.90E-07	1.08E-08	1.12E-07	2.76E-07
9,981	1.84E-08	2.06E-07	4.31E-07	1.37E-08	1.34E-07	3.06E-07	1.05E-08	9.89E-08	2.23E-07	1.35E-08	1.15E-07	2.87E-07	1.51E-08	1.45E-07	3.36E-07	1.40E-08	1.28E-07	2.89E-07	1.07E-08	1.11E-07	2.70E-07
9,982	1.81E-08	2.04E-07	4.13E-07	1.37E-08	1.33E-07	3.04E-07	1.04E-08	9.78E-08	2.22E-07	1.31E-08	1.14E-07	2.85E-07	1.51E-08	1.40E-07	3.34E-07	1.37E-08	1.25E-07	2.77E-07	1.05E-08	1.11E-07	2.63E-07
9,983	1.81E-08	2.01E-07	4.08E-07	1.36E-08	1.33E-07	3.03E-07	1.03E-08	9.78E-08	2.17E-07	1.31E-08	1.13E-07	2.71E-07	1.41E-08	1.37E-07	3.28E-07	1.34E-08	1.21E-07	2.70E-07	1.04E-08	1.09E-07	2.56E-07
9,984	1.78E-08	1.99E-07	4.03E-07	1.34E-08	1.31E-07	2.87E-07	1.02E-08	9.70E-08	2.14E-07	1.28E-08	1.10E-07	2.69E-07	1.39E-08	1.36E-07	3.25E-07	1.34E-08	1.17E-07	2.61E-07	1.02E-08	1.09E-07	2.48E-07
9,985	1.74E-08	1.91E-07	4.03E-07	1.33E-08	1.28E-07	2.84E-07	9.98E-09	9.62E-08	2.12E-07	1.26E-08	1.08E-07	2.56E-07	1.38E-08	1.31E-07	3.20E-07	1.23E-08	1.10E-07	2.48E-07	9.92E-09	1.08E-07	2.34E-07
9,986	1.66E-08	1.88E-07	4.00E-07	1.21E-08	1.27E-07	2.81E-07	9.03E-09	9.33E-08	2.08E-07	1.22E-08	1.08E-07	2.53E-07	1.36E-08	1.30E-07	3.03E-07	1.22E-08	1.05E-07	2.48E-07	9.60E-09	1.04E-07	2.33E-07
9,987	1.64E-08	1.88E-07	3.94E-07	1.16E-08	1.26E-07	2.75E-07	8.68E-09	9.20E-08	2.01E-07	1.17E-08	1.07E-07	2.52E-07	1.26E-08	1.27E-07	3.03E-07	1.21E-08	1.04E-07	2.44E-07	9.42E-09	1.03E-07	2.31E-07
9,988	1.58E-08	1.87E-07	3.63E-07	1.16E-08	1.24E-07	2.74E-07	8.65E-09	8.88E-08	1.95E-07	1.13E-08	1.01E-07	2.52E-07	1.23E-08	1.27E-07	3.01E-07	1.17E-08	1.04E-07	2.43E-07	9.39E-09	1.03E-07	2.27E-07
9,989	1.55E-08	1.76E-07	3.60E-07	1.16E-08	1.20E-07	2.74E-07	8.29E-09	8.67E-08	1.90E-07	1.10E-08	9.62E-08	2.35E-07	1.20E-08	1.26E-07	2.93E-07	1.14E-08	1.02E-07	2.41E-07	9.02E-09	9.50E-08	2.18E-07
9,990	1.54E-08	1.71E-07	3.48E-07	1.14E-08	1.19E-07	2.70E-07	7.91E-09	8.35E-08	1.88E-07	1.06E-08	9.52E-08	2.31E-07	1.20E-08	1.25E-07	2.91E-07	1.09E-08	1.00E-07	2.37E-07	8.79E-09	9.49E-08	2.14E-07
9,991	1.54E-08	1.69E-07	3.43E-07	9.67E-09	1.18E-07	2.61E-07	7.50E-09	8.13E-08	1.83E-07	1.04E-08	9.34E-08	2.31E-07	1.18E-08	1.22E-07	2.70E-07	1.08E-08	9.85E-08	2.34E-07	8.63E-09	9.28E-08	2.14E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
Statistics															
Trials	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Mean	5.74E-07	5.28E-06	9.47E-06	5.58E-07	5.10E-06	9.13E-06	5.53E-07	5.14E-06	9.21E-06	5.32E-07	4.83E-06	8.70E-06	5.24E-07	4.88E-06	8.72E-06
Median	3.25E-07	2.64E-06	5.43E-06	3.15E-07	2.60E-06	5.29E-06	3.02E-07	2.54E-06	5.14E-06	2.91E-07	2.40E-06	4.88E-06	2.80E-07	2.33E-06	4.69E-06
Mode	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Standard Deviation	8.30E-07	8.55E-06	1.32E-05	7.88E-07	7.72E-06	1.20E-05	8.58E-07	8.59E-06	1.42E-05	8.27E-07	8.13E-06	1.28E-05	8.72E-07	9.45E-06	1.52E-05
Variance	6.89E-13	7.32E-11	1.75E-10	6.21E-13	5.97E-11	1.44E-10	7.36E-13	7.37E-11	2.02E-10	6.83E-13	6.61E-11	1.64E-10	7.61E-13	8.93E-11	2.32E-10
Skewness	5.76	6.17	5.49	4.93	4.77	4.00	7.01	8.34	9.49	6.37	6.16	5.69	9.77	12.04	12.67
Kurtosis	65.55	70.46	57.27	42.93	37.41	26.99	101.53	147.93	224.13	70.64	61.50	57.16	217.60	290.66	344.66
Coeff. of Variability	1.45	1.62	1.40	1.41	1.51	1.31	1.55	1.67	1.54	1.55	1.68	1.47	1.66	1.94	1.75
Minimum	7.27E-09	4.47E-08	6.10E-08	3.48E-09	3.62E-08	1.13E-07	4.27E-09	4.58E-08	6.23E-08	4.96E-09	2.89E-08	9.62E-08	3.92E-09	4.80E-08	6.38E-08
Maximum	1.93E-05	1.68E-04	2.68E-04	1.43E-05	1.11E-04	1.75E-04	2.40E-05	2.45E-04	5.23E-04	1.61E-05	1.43E-04	2.30E-04	3.16E-05	3.34E-04	6.17E-04
Range Width	1.93E-05	1.68E-04	2.68E-04	1.43E-05	1.11E-04	1.75E-04	2.40E-05	2.44E-04	5.23E-04	1.61E-05	1.43E-04	2.30E-04	3.16E-05	3.34E-04	6.16E-04
Mean Std. Error	8.30E-09	8.55E-08	1.32E-07	7.88E-09	7.72E-08	1.20E-07	8.58E-09	8.59E-08	1.42E-07	8.27E-09	8.13E-08	1.28E-07	8.72E-09	9.45E-08	1.52E-07
Percentiles															
50%	3.25E-07	2.64E-06	5.43E-06	3.15E-07	2.60E-06	5.29E-06	3.02E-07	2.54E-06	5.14E-06	2.91E-07	2.40E-06	4.87E-06	2.80E-07	2.33E-06	4.69E-06
75%	6.79E-07	5.84E-06	1.13E-05	6.49E-07	5.81E-06	1.09E-05	6.41E-07	5.78E-06	1.07E-05	6.01E-07	5.33E-06	9.84E-06	5.91E-07	5.14E-06	9.77E-06
90%	1.29E-06	1.21E-05	2.12E-05	1.26E-06	1.18E-05	2.03E-05	1.23E-06	1.21E-05	2.04E-05	1.18E-06	1.07E-05	1.92E-05	1.17E-06	1.11E-05	1.94E-05
95%	1.90E-06	1.88E-05	3.06E-05	1.81E-06	1.76E-05	2.93E-05	1.78E-06	1.79E-05	2.98E-05	1.76E-06	1.65E-05	2.78E-05	1.72E-06	1.72E-05	2.84E-05
99%	3.85E-06	4.01E-05	6.18E-05	3.88E-06	3.81E-05	6.15E-05	3.97E-06	3.88E-05	6.30E-05	3.74E-06	4.12E-05	6.22E-05	3.77E-06	3.99E-05	6.09E-05
Trial values															
1	1.93E-05	1.68E-04	2.68E-04	1.43E-05	1.11E-04	1.75E-04	2.40E-05	2.45E-04	5.23E-04	1.61E-05	1.43E-04	2.30E-04	3.16E-05	3.34E-04	6.17E-04
2	1.41E-05	1.56E-04	1.98E-04	1.08E-05	9.66E-05	1.27E-04	1.35E-05	2.22E-04	3.21E-04	1.48E-05	1.35E-04	2.13E-04	1.74E-05	2.84E-04	3.55E-04
3	1.08E-05	1.55E-04	1.96E-04	1.02E-05	9.21E-05	1.26E-04	1.34E-05	1.73E-04	2.07E-04	1.24E-05	1.26E-04	1.94E-04	1.53E-05	2.14E-04	3.34E-04
4	1.05E-05	1.50E-04	1.93E-04	9.98E-06	8.94E-05	1.25E-04	1.32E-05	1.36E-04	1.99E-04	1.19E-05	1.13E-04	1.85E-04	1.29E-05	1.82E-04	2.84E-04
5	1.05E-05	1.20E-04	1.88E-04	9.18E-06	8.81E-05	1.25E-04	1.29E-05	1.35E-04	1.62E-04	1.16E-05	1.08E-04	1.79E-04	1.19E-05	1.57E-04	2.44E-04
6	1.03E-05	1.17E-04	1.83E-04	9.11E-06	8.66E-05	1.16E-04	1.16E-05	1.15E-04	1.62E-04	1.13E-05	1.06E-04	1.77E-04	1.14E-05	1.51E-04	2.33E-04
7	1.03E-05	1.08E-04	1.77E-04	9.05E-06	8.50E-05	1.16E-04	9.89E-06	1.07E-04	1.59E-04	1.12E-05	1.05E-04	1.71E-04	1.12E-05	1.30E-04	2.14E-04
8	9.16E-06	9.84E-05	1.68E-04	8.91E-06	8.50E-05	1.12E-04	9.87E-06	1.06E-04	1.56E-04	1.12E-05	1.04E-04	1.65E-04	1.12E-05	1.07E-04	2.12E-04
9	8.92E-06	9.73E-05	1.56E-04	8.72E-06	8.37E-05	1.11E-04	9.74E-06	9.53E-05	1.55E-04	1.06E-05	9.80E-05	1.62E-04	1.05E-05	1.06E-04	2.02E-04
10	8.92E-06	9.68E-05	1.50E-04	8.41E-06	8.35E-05	1.10E-04	9.29E-06	8.74E-05	1.53E-04	1.05E-05	9.72E-05	1.56E-04	1.02E-05	9.90E-05	1.76E-04
11	8.79E-06	9.44E-05	1.48E-04	8.15E-06	8.21E-05	1.08E-04	8.86E-06	8.28E-05	1.52E-04	1.03E-05	9.60E-05	1.43E-04	9.46E-06	9.19E-05	1.69E-04
12	8.74E-06	9.11E-05	1.40E-04	8.01E-06	7.97E-05	1.08E-04	8.64E-06	8.13E-05	1.52E-04	1.02E-05	9.23E-05	1.42E-04	9.22E-06	8.86E-05	1.68E-04
13	8.72E-06	8.89E-05	1.37E-04	7.76E-06	7.95E-05	1.05E-04	8.52E-06	7.89E-05	1.50E-04	1.01E-05	9.19E-05	1.33E-04	9.21E-06	8.62E-05	1.60E-04
14	8.55E-06	8.64E-05	1.34E-04	7.62E-06	7.91E-05	1.05E-04	8.38E-06	7.61E-05	1.44E-04	1.00E-05	9.13E-05	1.31E-04	9.21E-06	8.53E-05	1.51E-04
15	8.52E-06	8.50E-05	1.31E-04	7.55E-06	7.91E-05	1.05E-04	8.23E-06	7.24E-05	1.40E-04	9.61E-06	8.54E-05	1.28E-04	9.15E-06	8.17E-05	1.48E-04
16	8.32E-06	8.34E-05	1.30E-04	7.08E-06	7.67E-05	1.04E-04	8.08E-06	7.06E-05	1.36E-04	9.58E-06	8.53E-05	1.23E-04	9.03E-06	8.04E-05	1.44E-04
17	8.31E-06	8.29E-05	1.29E-04	7.02E-06	7.64E-05	1.03E-04	7.99E-06	7.05E-05	1.34E-04	9.16E-06	8.28E-05	1.21E-04	8.77E-06	7.99E-05	1.40E-04
18	7.92E-06	8.23E-05	1.26E-04	6.94E-06	7.53E-05	1.03E-04	7.88E-06	6.89E-05	1.32E-04	9.07E-06	8.14E-05	1.16E-04	8.57E-06	7.45E-05	1.33E-04
19	7.73E-06	7.97E-05	1.22E-04	6.89E-06	7.37E-05	1.02E-04	7.78E-06	6.87E-05	1.24E-04	8.50E-06	8.13E-05	1.13E-04	8.32E-06	7.34E-05	1.23E-04
20	7.62E-06	7.93E-05	1.22E-04	6.78E-06	7.30E-05	1.02E-04	7.72E-06	6.81E-05	1.20E-04	8.16E-06	7.90E-05	1.13E-04	8.20E-06	7.25E-05	1.22E-04
21	7.25E-06	7.85E-05	1.20E-04	6.78E-06	7.24E-05	1.01E-04	7.55E-06	6.76E-05	1.18E-04	8.09E-06	7.85E-05	1.12E-04	8.19E-06	7.14E-05	1.13E-04
22	7.24E-06	7.30E-05	1.17E-04	6.68E-06	7.23E-05	9.75E-05	7.48E-06	6.74E-05	1.15E-04	8.04E-06	7.50E-05	1.11E-04	8.05E-06	7.11E-05	1.10E-04
23	6.95E-06	7.17E-05	1.09E-04	6.66E-06	7.03E-05	9.73E-05	7.44E-06	6.59E-05	1.12E-04	7.84E-06	7.38E-05	1.08E-04	7.75E-06	7.08E-05	1.09E-04
24	6.90E-06	7.05E-05	1.08E-04	6.59E-06	6.74E-05	9.66E-05	7.40E-06	6.52E-05	1.12E-04	7.68E-06	7.34E-05	1.08E-04	7.08E-06	7.07E-05	1.09E-04
25	6.84E-06	6.96E-05	1.03E-04	6.51E-06	6.71E-05	9.66E-05	7.39E-06	6.36E-05	1.07E-04	7.46E-06	7.22E-05	1.05E-04	7.01E-06	6.79E-05	1.06E-04
26	6.73E-06	6.59E-05	9.84E-05	6.37E-06	6.70E-05	9.61E-05	7.29E-06	6.31E-05	1.07E-04	7.19E-06	7.14E-05	1.04E-04	6.83E-06	6.73E-05	1.06E-04
27	6.67E-06	6.53E-05	9.80E-05	6.36E-06	6.52E-05	9.36E-05	7.25E-06	6.30E-05	1.06E-04	7.13E-06	7.04E-05	1.01E-04	6.71E-06	6.67E-05	1.06E-04
28	6.60E-06	6.37E-05	9.77E-05	6.35E-06	6.42E-05	9.32E-05	7.18E-06	6.21E-05	1.05E-04	6.75E-06	7.02E-05	1.00E-04	6.69E-06	6.63E-05	1.06E-04
29	6.58E-06	6.23E-05	9.70E-05	6.34E-06	6.39E-05	9.28E-05	6.96E-06	6.18E-05	1.02E-04	6.38E-06	6.91E-05	9.99E-05	6.69E-06	6.59E-05	1.04E-04

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
40	5.82E-06	5.34E-05	8.92E-05	5.95E-06	5.59E-05	8.69E-05	6.36E-06	5.57E-05	8.74E-05	5.37E-06	6.11E-05	8.59E-05	5.64E-06	5.86E-05	8.71E-05
41	5.77E-06	5.30E-05	8.89E-05	5.94E-06	5.54E-05	8.66E-05	6.30E-06	5.57E-05	8.67E-05	5.25E-06	5.96E-05	8.54E-05	5.59E-06	5.81E-05	8.62E-05
42	5.75E-06	5.29E-05	8.76E-05	5.94E-06	5.49E-05	8.58E-05	5.96E-06	5.54E-05	8.66E-05	5.20E-06	5.89E-05	8.53E-05	5.43E-06	5.77E-05	8.54E-05
43	5.72E-06	5.29E-05	8.72E-05	5.90E-06	5.49E-05	8.57E-05	5.93E-06	5.53E-05	8.63E-05	5.18E-06	5.80E-05	8.53E-05	5.41E-06	5.75E-05	8.53E-05
44	5.64E-06	5.21E-05	8.72E-05	5.85E-06	5.48E-05	8.52E-05	5.92E-06	5.50E-05	8.45E-05	5.16E-06	5.74E-05	8.41E-05	5.33E-06	5.68E-05	8.50E-05
45	5.55E-06	5.20E-05	8.68E-05	5.66E-06	5.38E-05	8.50E-05	5.91E-06	5.49E-05	8.43E-05	5.06E-06	5.72E-05	8.37E-05	5.28E-06	5.67E-05	8.45E-05
46	5.55E-06	5.19E-05	8.66E-05	5.62E-06	5.34E-05	8.46E-05	5.91E-06	5.43E-05	8.42E-05	5.00E-06	5.71E-05	8.37E-05	5.18E-06	5.60E-05	8.44E-05
47	5.47E-06	5.14E-05	8.63E-05	5.51E-06	5.29E-05	8.37E-05	5.90E-06	5.42E-05	8.40E-05	5.00E-06	5.58E-05	8.26E-05	5.11E-06	5.57E-05	8.38E-05
48	5.42E-06	5.14E-05	8.50E-05	5.49E-06	5.20E-05	8.37E-05	5.83E-06	5.33E-05	8.39E-05	5.00E-06	5.53E-05	8.14E-05	5.07E-06	5.52E-05	8.30E-05
49	5.37E-06	5.09E-05	8.45E-05	5.48E-06	5.14E-05	8.37E-05	5.80E-06	5.33E-05	8.28E-05	4.89E-06	5.47E-05	8.10E-05	5.03E-06	5.49E-05	8.29E-05
50	5.37E-06	5.09E-05	8.34E-05	5.46E-06	5.09E-05	8.21E-05	5.69E-06	5.19E-05	8.27E-05	4.87E-06	5.37E-05	8.06E-05	4.97E-06	5.37E-05	8.20E-05
51	5.35E-06	5.09E-05	8.23E-05	5.42E-06	5.03E-05	8.12E-05	5.60E-06	5.15E-05	8.23E-05	4.85E-06	5.34E-05	8.04E-05	4.93E-06	5.34E-05	8.18E-05
52	5.32E-06	5.08E-05	8.22E-05	5.34E-06	4.98E-05	8.10E-05	5.60E-06	5.14E-05	8.09E-05	4.79E-06	5.33E-05	8.00E-05	4.91E-06	5.33E-05	8.12E-05
53	5.29E-06	5.03E-05	8.21E-05	5.19E-06	4.97E-05	8.08E-05	5.47E-06	5.13E-05	7.91E-05	4.78E-06	5.30E-05	7.96E-05	4.82E-06	5.31E-05	8.10E-05
54	5.22E-06	4.97E-05	8.19E-05	5.14E-06	4.94E-05	8.02E-05	5.45E-06	5.09E-05	7.90E-05	4.77E-06	5.22E-05	7.94E-05	4.73E-06	5.30E-05	7.96E-05
55	5.20E-06	4.92E-05	8.18E-05	5.07E-06	4.92E-05	8.02E-05	5.37E-06	4.88E-05	7.88E-05	4.74E-06	5.19E-05	7.90E-05	4.73E-06	5.30E-05	7.88E-05
56	5.17E-06	4.87E-05	8.02E-05	5.04E-06	4.88E-05	7.95E-05	5.32E-06	4.87E-05	7.88E-05	4.69E-06	5.19E-05	7.85E-05	4.71E-06	5.28E-05	7.83E-05
57	5.13E-06	4.87E-05	7.96E-05	5.03E-06	4.88E-05	7.91E-05	5.27E-06	4.87E-05	7.88E-05	4.67E-06	5.15E-05	7.85E-05	4.71E-06	5.26E-05	7.77E-05
58	5.09E-06	4.86E-05	7.89E-05	4.98E-06	4.75E-05	7.90E-05	5.26E-06	4.85E-05	7.80E-05	4.62E-06	5.15E-05	7.84E-05	4.68E-06	5.11E-05	7.54E-05
59	5.06E-06	4.80E-05	7.85E-05	4.97E-06	4.73E-05	7.86E-05	5.18E-06	4.83E-05	7.71E-05	4.61E-06	5.13E-05	7.77E-05	4.67E-06	5.11E-05	7.49E-05
60	4.94E-06	4.76E-05	7.70E-05	4.94E-06	4.71E-05	7.71E-05	5.15E-06	4.80E-05	7.62E-05	4.60E-06	5.12E-05	7.75E-05	4.63E-06	5.04E-05	7.45E-05
61	4.91E-06	4.76E-05	7.70E-05	4.89E-06	4.70E-05	7.68E-05	5.00E-06	4.80E-05	7.61E-05	4.58E-06	5.08E-05	7.69E-05	4.61E-06	5.02E-05	7.37E-05
62	4.82E-06	4.72E-05	7.52E-05	4.89E-06	4.68E-05	7.64E-05	4.98E-06	4.72E-05	7.52E-05	4.56E-06	5.08E-05	7.58E-05	4.60E-06	4.99E-05	7.37E-05
63	4.82E-06	4.70E-05	7.50E-05	4.88E-06	4.64E-05	7.55E-05	4.96E-06	4.72E-05	7.43E-05	4.54E-06	5.01E-05	7.56E-05	4.58E-06	4.96E-05	7.34E-05
64	4.79E-06	4.65E-05	7.41E-05	4.72E-06	4.60E-05	7.53E-05	4.94E-06	4.60E-05	7.42E-05	4.51E-06	4.99E-05	7.53E-05	4.57E-06	4.94E-05	7.30E-05
65	4.72E-06	4.65E-05	7.27E-05	4.70E-06	4.56E-05	7.51E-05	4.93E-06	4.60E-05	7.42E-05	4.50E-06	4.95E-05	7.51E-05	4.53E-06	4.93E-05	7.29E-05
66	4.62E-06	4.58E-05	7.25E-05	4.69E-06	4.56E-05	7.50E-05	4.90E-06	4.57E-05	7.41E-05	4.46E-06	4.88E-05	7.41E-05	4.48E-06	4.92E-05	7.17E-05
67	4.61E-06	4.55E-05	7.25E-05	4.64E-06	4.50E-05	7.44E-05	4.89E-06	4.55E-05	7.38E-05	4.42E-06	4.87E-05	7.38E-05	4.47E-06	4.92E-05	7.11E-05
68	4.58E-06	4.55E-05	7.17E-05	4.64E-06	4.43E-05	7.42E-05	4.89E-06	4.54E-05	7.34E-05	4.37E-06	4.81E-05	7.38E-05	4.47E-06	4.90E-05	7.11E-05
69	4.50E-06	4.54E-05	7.10E-05	4.62E-06	4.40E-05	7.35E-05	4.86E-06	4.52E-05	7.29E-05	4.31E-06	4.78E-05	7.37E-05	4.42E-06	4.84E-05	7.07E-05
70	4.50E-06	4.53E-05	7.08E-05	4.61E-06	4.40E-05	7.28E-05	4.83E-06	4.51E-05	7.28E-05	4.28E-06	4.74E-05	7.34E-05	4.39E-06	4.82E-05	7.07E-05
71	4.46E-06	4.53E-05	7.08E-05	4.56E-06	4.39E-05	7.25E-05	4.77E-06	4.51E-05	7.28E-05	4.25E-06	4.71E-05	7.29E-05	4.39E-06	4.79E-05	7.06E-05
72	4.37E-06	4.53E-05	7.05E-05	4.56E-06	4.36E-05	7.24E-05	4.76E-06	4.51E-05	7.28E-05	4.22E-06	4.70E-05	7.28E-05	4.39E-06	4.76E-05	7.05E-05
73	4.37E-06	4.53E-05	7.03E-05	4.54E-06	4.34E-05	7.23E-05	4.74E-06	4.50E-05	7.24E-05	4.19E-06	4.69E-05	7.22E-05	4.34E-06	4.75E-05	7.02E-05
74	4.32E-06	4.52E-05	7.03E-05	4.44E-06	4.32E-05	7.13E-05	4.71E-06	4.50E-05	7.20E-05	4.18E-06	4.66E-05	7.08E-05	4.34E-06	4.74E-05	7.00E-05
75	4.29E-06	4.49E-05	7.01E-05	4.43E-06	4.32E-05	7.03E-05	4.65E-06	4.43E-05	7.14E-05	4.16E-06	4.65E-05	7.04E-05	4.32E-06	4.74E-05	6.99E-05
76	4.22E-06	4.48E-05	6.96E-05	4.41E-06	4.32E-05	7.02E-05	4.64E-06	4.38E-05	7.06E-05	4.15E-06	4.64E-05	6.95E-05	4.31E-06	4.73E-05	6.91E-05
77	4.20E-06	4.45E-05	6.91E-05	4.37E-06	4.31E-05	7.00E-05	4.61E-06	4.37E-05	6.98E-05	4.12E-06	4.59E-05	6.95E-05	4.30E-06	4.66E-05	6.87E-05
78	4.20E-06	4.44E-05	6.87E-05	4.36E-06	4.29E-05	6.98E-05	4.59E-06	4.36E-05	6.95E-05	4.11E-06	4.55E-05	6.91E-05	4.23E-06	4.64E-05	6.81E-05
79	4.18E-06	4.42E-05	6.80E-05	4.35E-06	4.28E-05	6.95E-05	4.54E-06	4.31E-05	6.91E-05	4.11E-06	4.54E-05	6.90E-05	4.21E-06	4.64E-05	6.79E-05
80	4.17E-06	4.37E-05	6.75E-05	4.34E-06	4.28E-05	6.92E-05	4.46E-06	4.30E-05	6.87E-05	4.09E-06	4.53E-05	6.87E-05	4.18E-06	4.60E-05	6.79E-05
81	4.16E-06	4.34E-05	6.72E-05	4.29E-06	4.26E-05	6.92E-05	4.46E-06	4.29E-05	6.87E-05	4.08E-06	4.53E-05	6.78E-05	4.16E-06	4.53E-05	6.78E-05
82	4.14E-06	4.31E-05	6.68E-05	4.29E-06	4.26E-05	6.85E-05	4.43E-06	4.27E-05	6.86E-05	4.07E-06	4.53E-05	6.77E-05	4.15E-06	4.53E-05	6.73E-05
83	4.14E-06	4.31E-05	6.64E-05	4.25E-06	4.19E-05	6.82E-05	4.38E-06	4.26E-05	6.82E-05	4.06E-06	4.52E-05	6.75E-05	4.12E-06	4.50E-05	6.72E-05
84	4.14E-06	4.30E-05	6.63E-05	4.24E-06	4.18E-05	6.81E-05	4.34E-06	4.24E-05	6.78E-05	4.06E-06	4.50E-05	6.71E-05	4.10E-06	4.44E-05	6.70E-05
85	4.13E-06	4.29E-05	6.61E-05	4.24E-06	4.16E-05	6.73E-05	4.31E-06	4.21E-05	6.72E-05	4.05E-06	4.48E-05	6.71E-05	4.10E-06	4.41E-05	6.69E-05
86	4.13E-06	4.27E-05	6.59E-05	4.23E-06	4.16E-05	6.73E-05	4.31E-06	4.16E-05	6.63E-05	4.04E-06	4.48E-05	6.70E-05	4.06E-06	4.39E-05	6.63E-05
87	4.07E-06	4.25E-05	6.46E-05	4.20E-06	4.15E-05	6.71E-05	4.30E-06	4.16E-05	6.61E-05	4.03E-06	4.44E-05	6.64E-05	4.04E-06	4.38E-05	6.52E-05
88	4.06E-06	4.22E-05	6.42E-05	4.19E-06	4.11E-05	6.68E-05	4.28E-06	4.15E-05	6.59E-05	3.97E-06	4.39E-05	6.63E-05	4.02E-06	4.20E-05	6.52E-05
89	4.04E-06	4.19E-05	6.42E-05	4.19E-06	4.09E-05	6.61E-05	4.27E-06	4.13E-05	6.58E-05	3.96E-06	4.32E-05	6.59E-05	4.00E-06	4.19E-05	6.51E-05
90	4.03E-06	4.17E-05	6.41E-05	4.10E-06	4.09E-05	6.54E-05	4.26E-06	4.12E-05	6.58E-05	3.95E-06	4.32E-05	6.54E-05	3.99E-06	4.16E-05	6.34E-05
91	4.03E-06	4.12E-05	6.41E-05	4.10E-06	4.08E-05	6.52E-05	4.23E-06	4.12E-05	6.52E-05	3.94E-06	4.29E-05	6.49E-05	3.94E-06	4.16E-05	6.34E-05
92	4.03E-06	4.12E-05	6.40E-05	4.08E-06	4.05E-05	6.46E-05	4.20E-06	4.09E-05	6.48E-05	3.93E-06	4.26E-05	6.48E-05	3.93E-06	4.13E-05	6.31E-05
93	4.03E-06	4.10E-05	6.39E-05	4.07E-06	4.05E-05	6.45E-05	4.16E-06	4.09E-05	6.45E-05	3.91E-06	4.26E-05	6.47E-05	3.91E-06	4.09E-05	6.26E-05
94	3.96E-06	4.10E-05	6.33E-05	4.01E-06	4.04E-05	6.42E-05	4.08E-06	4.05E-05	6.45E-05	3.88E-06	4.25E-05	6.46E-05	3.89E-06	4.07E-05	6.24E-05
95	3.94E-06	4.09E-05	6.31E-05	3.97E-06	4.03E-05	6.41E-05	4.07E-06	4.04E-05	6.42E-05	3.85E-06	4.24E-05	6.45E-05	3.87E-06	4.06E-05	6.23E-05
96	3.93E-06	4.07E-05	6.29E-05	3.97E-06	4.03E-05	6.29E-05	4.05E-06	4.03E-05	6.39E-05	3.84E-06	4.23E-05	6.42E-05	3.85E-06	4.06E-05	6.22E-05
97	3.92E-06	4.05E-05	6.25E-05	3.93E-06	3.95E-05	6.27E-05	4.00								

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
102	3.82E-06	4.00E-05	6.18E-05	3.86E-06	3.80E-05	6.12E-05	3.95E-06	3.86E-05	6.29E-05	3.72E-06	4.12E-05	6.13E-05	3.77E-06	3.96E-05	6.08E-05
103	3.82E-06	4.00E-05	6.16E-05	3.81E-06	3.78E-05	6.11E-05	3.93E-06	3.85E-05	6.25E-05	3.70E-06	4.08E-05	6.07E-05	3.74E-06	3.93E-05	6.06E-05
104	3.79E-06	3.99E-05	6.12E-05	3.79E-06	3.74E-05	6.09E-05	3.92E-06	3.85E-05	6.25E-05	3.67E-06	4.02E-05	6.05E-05	3.71E-06	3.92E-05	6.03E-05
105	3.76E-06	3.95E-05	6.02E-05	3.76E-06	3.71E-05	6.08E-05	3.90E-06	3.84E-05	6.25E-05	3.67E-06	3.94E-05	6.00E-05	3.71E-06	3.89E-05	5.94E-05
106	3.76E-06	3.95E-05	6.01E-05	3.75E-06	3.70E-05	6.07E-05	3.90E-06	3.83E-05	6.23E-05	3.66E-06	3.92E-05	6.00E-05	3.71E-06	3.89E-05	5.91E-05
107	3.74E-06	3.93E-05	6.01E-05	3.73E-06	3.69E-05	6.07E-05	3.87E-06	3.83E-05	6.23E-05	3.65E-06	3.89E-05	5.98E-05	3.70E-06	3.86E-05	5.90E-05
108	3.74E-06	3.91E-05	5.99E-05	3.72E-06	3.68E-05	6.05E-05	3.87E-06	3.83E-05	6.21E-05	3.65E-06	3.87E-05	5.97E-05	3.70E-06	3.82E-05	5.89E-05
109	3.73E-06	3.91E-05	5.97E-05	3.70E-06	3.67E-05	6.00E-05	3.83E-06	3.80E-05	6.21E-05	3.65E-06	3.84E-05	5.97E-05	3.62E-06	3.81E-05	5.88E-05
110	3.72E-06	3.90E-05	5.97E-05	3.69E-06	3.65E-05	5.99E-05	3.82E-06	3.78E-05	6.21E-05	3.65E-06	3.81E-05	5.93E-05	3.62E-06	3.80E-05	5.86E-05
111	3.71E-06	3.89E-05	5.96E-05	3.68E-06	3.60E-05	5.99E-05	3.82E-06	3.77E-05	6.19E-05	3.62E-06	3.81E-05	5.89E-05	3.61E-06	3.77E-05	5.83E-05
112	3.71E-06	3.87E-05	5.91E-05	3.67E-06	3.51E-05	5.98E-05	3.80E-06	3.74E-05	6.18E-05	3.62E-06	3.76E-05	5.87E-05	3.61E-06	3.77E-05	5.81E-05
113	3.70E-06	3.86E-05	5.91E-05	3.67E-06	3.49E-05	5.97E-05	3.80E-06	3.74E-05	6.16E-05	3.57E-06	3.76E-05	5.84E-05	3.60E-06	3.77E-05	5.77E-05
114	3.68E-06	3.83E-05	5.90E-05	3.65E-06	3.47E-05	5.97E-05	3.79E-06	3.72E-05	6.14E-05	3.55E-06	3.74E-05	5.81E-05	3.59E-06	3.76E-05	5.73E-05
115	3.66E-06	3.83E-05	5.89E-05	3.65E-06	3.45E-05	5.96E-05	3.76E-06	3.72E-05	6.13E-05	3.55E-06	3.73E-05	5.80E-05	3.56E-06	3.74E-05	5.69E-05
116	3.66E-06	3.82E-05	5.88E-05	3.63E-06	3.45E-05	5.95E-05	3.76E-06	3.69E-05	6.03E-05	3.53E-06	3.72E-05	5.78E-05	3.56E-06	3.74E-05	5.68E-05
117	3.63E-06	3.82E-05	5.76E-05	3.61E-06	3.44E-05	5.95E-05	3.73E-06	3.67E-05	6.02E-05	3.52E-06	3.70E-05	5.77E-05	3.54E-06	3.73E-05	5.67E-05
118	3.63E-06	3.81E-05	5.76E-05	3.61E-06	3.44E-05	5.94E-05	3.73E-06	3.66E-05	6.01E-05	3.52E-06	3.70E-05	5.74E-05	3.52E-06	3.72E-05	5.66E-05
119	3.62E-06	3.80E-05	5.69E-05	3.60E-06	3.44E-05	5.88E-05	3.73E-06	3.63E-05	6.00E-05	3.50E-06	3.69E-05	5.72E-05	3.49E-06	3.66E-05	5.63E-05
120	3.62E-06	3.80E-05	5.68E-05	3.59E-06	3.43E-05	5.86E-05	3.72E-06	3.61E-05	6.00E-05	3.50E-06	3.65E-05	5.72E-05	3.49E-06	3.64E-05	5.61E-05
121	3.61E-06	3.80E-05	5.68E-05	3.56E-06	3.41E-05	5.86E-05	3.71E-06	3.60E-05	5.98E-05	3.48E-06	3.65E-05	5.70E-05	3.48E-06	3.63E-05	5.60E-05
122	3.61E-06	3.79E-05	5.68E-05	3.51E-06	3.39E-05	5.85E-05	3.71E-06	3.60E-05	5.96E-05	3.48E-06	3.63E-05	5.70E-05	3.47E-06	3.61E-05	5.57E-05
123	3.60E-06	3.78E-05	5.63E-05	3.51E-06	3.37E-05	5.85E-05	3.70E-06	3.57E-05	5.91E-05	3.47E-06	3.61E-05	5.68E-05	3.47E-06	3.58E-05	5.56E-05
124	3.59E-06	3.75E-05	5.63E-05	3.50E-06	3.37E-05	5.78E-05	3.67E-06	3.56E-05	5.85E-05	3.47E-06	3.61E-05	5.63E-05	3.45E-06	3.55E-05	5.55E-05
125	3.59E-06	3.75E-05	5.61E-05	3.50E-06	3.36E-05	5.78E-05	3.67E-06	3.56E-05	5.83E-05	3.46E-06	3.60E-05	5.62E-05	3.45E-06	3.55E-05	5.52E-05
126	3.58E-06	3.72E-05	5.61E-05	3.49E-06	3.34E-05	5.77E-05	3.59E-06	3.56E-05	5.82E-05	3.46E-06	3.58E-05	5.59E-05	3.44E-06	3.54E-05	5.51E-05
127	3.58E-06	3.72E-05	5.53E-05	3.49E-06	3.34E-05	5.64E-05	3.59E-06	3.56E-05	5.81E-05	3.46E-06	3.56E-05	5.57E-05	3.43E-06	3.53E-05	5.51E-05
128	3.58E-06	3.69E-05	5.52E-05	3.48E-06	3.33E-05	5.60E-05	3.59E-06	3.55E-05	5.79E-05	3.46E-06	3.53E-05	5.54E-05	3.40E-06	3.52E-05	5.49E-05
129	3.57E-06	3.68E-05	5.52E-05	3.48E-06	3.32E-05	5.60E-05	3.59E-06	3.55E-05	5.79E-05	3.44E-06	3.51E-05	5.53E-05	3.40E-06	3.50E-05	5.45E-05
130	3.56E-06	3.68E-05	5.50E-05	3.46E-06	3.30E-05	5.59E-05	3.58E-06	3.53E-05	5.79E-05	3.41E-06	3.50E-05	5.53E-05	3.38E-06	3.49E-05	5.41E-05
131	3.54E-06	3.66E-05	5.49E-05	3.46E-06	3.29E-05	5.57E-05	3.58E-06	3.52E-05	5.79E-05	3.40E-06	3.48E-05	5.53E-05	3.37E-06	3.48E-05	5.38E-05
132	3.54E-06	3.65E-05	5.42E-05	3.44E-06	3.29E-05	5.57E-05	3.58E-06	3.45E-05	5.79E-05	3.38E-06	3.46E-05	5.52E-05	3.33E-06	3.45E-05	5.37E-05
133	3.54E-06	3.64E-05	5.42E-05	3.43E-06	3.28E-05	5.55E-05	3.57E-06	3.43E-05	5.74E-05	3.38E-06	3.44E-05	5.51E-05	3.33E-06	3.42E-05	5.37E-05
134	3.52E-06	3.63E-05	5.36E-05	3.43E-06	3.26E-05	5.51E-05	3.55E-06	3.41E-05	5.71E-05	3.36E-06	3.44E-05	5.48E-05	3.31E-06	3.42E-05	5.35E-05
135	3.52E-06	3.61E-05	5.35E-05	3.42E-06	3.25E-05	5.49E-05	3.54E-06	3.39E-05	5.71E-05	3.36E-06	3.44E-05	5.47E-05	3.30E-06	3.42E-05	5.35E-05
136	3.51E-06	3.61E-05	5.34E-05	3.41E-06	3.24E-05	5.49E-05	3.50E-06	3.38E-05	5.69E-05	3.36E-06	3.43E-05	5.47E-05	3.30E-06	3.40E-05	5.33E-05
137	3.50E-06	3.60E-05	5.34E-05	3.35E-06	3.23E-05	5.46E-05	3.49E-06	3.33E-05	5.67E-05	3.34E-06	3.42E-05	5.47E-05	3.30E-06	3.39E-05	5.31E-05
138	3.50E-06	3.60E-05	5.31E-05	3.35E-06	3.23E-05	5.46E-05	3.48E-06	3.33E-05	5.66E-05	3.28E-06	3.42E-05	5.45E-05	3.28E-06	3.39E-05	5.30E-05
139	3.47E-06	3.59E-05	5.30E-05	3.35E-06	3.21E-05	5.41E-05	3.47E-06	3.33E-05	5.66E-05	3.27E-06	3.40E-05	5.42E-05	3.26E-06	3.38E-05	5.29E-05
140	3.45E-06	3.59E-05	5.30E-05	3.34E-06	3.18E-05	5.38E-05	3.47E-06	3.31E-05	5.65E-05	3.26E-06	3.37E-05	5.38E-05	3.26E-06	3.37E-05	5.27E-05
141	3.44E-06	3.59E-05	5.29E-05	3.32E-06	3.18E-05	5.38E-05	3.47E-06	3.30E-05	5.62E-05	3.25E-06	3.34E-05	5.37E-05	3.25E-06	3.36E-05	5.27E-05
142	3.42E-06	3.59E-05	5.27E-05	3.28E-06	3.17E-05	5.37E-05	3.46E-06	3.30E-05	5.61E-05	3.25E-06	3.34E-05	5.37E-05	3.25E-06	3.36E-05	5.27E-05
143	3.41E-06	3.57E-05	5.26E-05	3.28E-06	3.16E-05	5.35E-05	3.46E-06	3.29E-05	5.60E-05	3.25E-06	3.34E-05	5.34E-05	3.24E-06	3.34E-05	5.26E-05
144	3.40E-06	3.56E-05	5.26E-05	3.27E-06	3.14E-05	5.35E-05	3.44E-06	3.28E-05	5.59E-05	3.25E-06	3.32E-05	5.33E-05	3.24E-06	3.34E-05	5.26E-05
145	3.38E-06	3.55E-05	5.24E-05	3.27E-06	3.14E-05	5.34E-05	3.40E-06	3.28E-05	5.57E-05	3.24E-06	3.29E-05	5.31E-05	3.22E-06	3.33E-05	5.25E-05
146	3.38E-06	3.53E-05	5.24E-05	3.23E-06	3.14E-05	5.31E-05	3.40E-06	3.26E-05	5.57E-05	3.24E-06	3.27E-05	5.30E-05	3.22E-06	3.32E-05	5.25E-05
147	3.37E-06	3.53E-05	5.23E-05	3.22E-06	3.13E-05	5.31E-05	3.37E-06	3.25E-05	5.56E-05	3.22E-06	3.27E-05	5.28E-05	3.20E-06	3.31E-05	5.25E-05
148	3.37E-06	3.51E-05	5.22E-05	3.21E-06	3.13E-05	5.29E-05	3.36E-06	3.21E-05	5.54E-05	3.21E-06	3.26E-05	5.24E-05	3.19E-06	3.31E-05	5.23E-05
149	3.36E-06	3.51E-05	5.21E-05	3.21E-06	3.12E-05	5.28E-05	3.34E-06	3.20E-05	5.50E-05	3.16E-06	3.23E-05	5.23E-05	3.19E-06	3.31E-05	5.18E-05
150	3.35E-06	3.50E-05	5.20E-05	3.20E-06	3.12E-05	5.20E-05	3.33E-06	3.19E-05	5.50E-05	3.15E-06	3.21E-05	5.20E-05	3.17E-06	3.30E-05	5.15E-05
151	3.35E-06	3.49E-05	5.20E-05	3.20E-06	3.10E-05	5.20E-05	3.33E-06	3.19E-05	5.49E-05	3.14E-06	3.20E-05	5.19E-05	3.15E-06	3.26E-05	5.13E-05
152	3.34E-06	3.48E-05	5.18E-05	3.19E-06	3.09E-05	5.15E-05	3.31E-06	3.18E-05	5.49E-05	3.14E-06	3.19E-05	5.18E-05	3.15E-06	3.24E-05	5.13E-05
153	3.32E-06	3.47E-05	5.17E-05	3.19E-06	3.08E-05	5.15E-05	3.31E-06	3.18E-05	5.45E-05	3.13E-06	3.18E-05	5.18E-05	3.12E-06	3.23E-05	5.11E-05
154	3.30E-06	3.47E-05	5.16E-05	3.19E-06	3.08E-05	5.14E-05	3.28E-06	3.17E-05	5.43E-05	3.13E-06	3.13E-05	5.15E-05	3.11E-06	3.22E-05	5.11E-05
155	3.28E-06	3.44E-05	5.16E-05	3.18E-06	3.07E-05	5.13E-05	3.28E-06	3.16E-05	5.43E-05	3.13E-06	3.13E-05	5.15E-05	3.10E-06	3.22E-05	5.09E-05
156	3.27E-06	3.43E-05	5.14E-05	3.18E-06	3.07E-05	5.11E-05	3.26E-06	3.15E-05	5.42E-05	3.12E-06	3.12E-05	5.15E-05	3.10E-06	3.21E-05	5.09E-05
157	3.27E-06	3.42E-05	5.14E-05	3.17E-06	3.07E-05	5.09E-05	3.25E-06	3.15E-05	5.42E-05	3.12E-06	3.09E-05	5.14E-05	3.08E-06	3.20E-05	5.05E-05
158	3.26E-06	3.41E-05	5.14E-05	3.16E-06	3.06E-05	5.08E-05	3.24E-06	3.13E-05	5.41E-05	3.11E-06	3.07E-05	5.12E-05	3.06E-06	3.19E-05	5.05E-05
159	3.24E-06	3.40E-05													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
164	3.21E-06	3.35E-05	5.06E-05	3.09E-06	3.03E-05	5.02E-05	3.20E-06	3.08E-05	5.33E-05	3.07E-06	3.01E-05	5.04E-05	3.03E-06	3.14E-05	5.02E-05
165	3.20E-06	3.32E-05	4.99E-05	3.06E-06	3.01E-05	5.01E-05	3.20E-06	3.07E-05	5.31E-05	3.07E-06	3.01E-05	5.02E-05	3.02E-06	3.13E-05	5.00E-05
166	3.20E-06	3.32E-05	4.98E-05	3.06E-06	3.00E-05	4.99E-05	3.20E-06	3.07E-05	5.28E-05	3.05E-06	2.98E-05	5.02E-05	3.02E-06	3.11E-05	4.99E-05
167	3.17E-06	3.32E-05	4.97E-05	3.05E-06	2.99E-05	4.98E-05	3.18E-06	3.06E-05	5.23E-05	3.04E-06	2.95E-05	5.01E-05	3.01E-06	3.10E-05	4.99E-05
168	3.16E-06	3.31E-05	4.97E-05	3.02E-06	2.99E-05	4.97E-05	3.17E-06	3.06E-05	5.19E-05	3.02E-06	2.94E-05	4.99E-05	2.99E-06	3.10E-05	4.96E-05
169	3.16E-06	3.31E-05	4.97E-05	3.01E-06	2.98E-05	4.94E-05	3.17E-06	3.00E-05	5.19E-05	3.02E-06	2.93E-05	4.98E-05	2.99E-06	3.09E-05	4.95E-05
170	3.15E-06	3.30E-05	4.96E-05	3.00E-06	2.94E-05	4.91E-05	3.17E-06	2.99E-05	5.18E-05	3.02E-06	2.91E-05	4.96E-05	2.98E-06	3.09E-05	4.94E-05
171	3.15E-06	3.29E-05	4.96E-05	3.00E-06	2.93E-05	4.90E-05	3.16E-06	2.99E-05	5.14E-05	3.02E-06	2.91E-05	4.88E-05	2.98E-06	3.07E-05	4.94E-05
172	3.15E-06	3.29E-05	4.95E-05	3.00E-06	2.93E-05	4.90E-05	3.16E-06	2.99E-05	5.14E-05	3.02E-06	2.87E-05	4.88E-05	2.97E-06	3.06E-05	4.93E-05
173	3.13E-06	3.27E-05	4.89E-05	2.96E-06	2.92E-05	4.88E-05	3.15E-06	2.99E-05	5.10E-05	3.01E-06	2.86E-05	4.87E-05	2.96E-06	3.02E-05	4.92E-05
174	3.13E-06	3.27E-05	4.89E-05	2.96E-06	2.92E-05	4.88E-05	3.15E-06	2.98E-05	5.08E-05	3.01E-06	2.84E-05	4.87E-05	2.95E-06	3.02E-05	4.92E-05
175	3.12E-06	3.25E-05	4.88E-05	2.96E-06	2.92E-05	4.88E-05	3.14E-06	2.98E-05	5.08E-05	3.00E-06	2.84E-05	4.85E-05	2.95E-06	3.01E-05	4.92E-05
176	3.10E-06	3.21E-05	4.88E-05	2.95E-06	2.91E-05	4.88E-05	3.14E-06	2.98E-05	5.02E-05	2.99E-06	2.83E-05	4.84E-05	2.94E-06	3.00E-05	4.92E-05
177	3.10E-06	3.20E-05	4.87E-05	2.94E-06	2.91E-05	4.86E-05	3.13E-06	2.98E-05	5.02E-05	2.99E-06	2.83E-05	4.82E-05	2.93E-06	2.97E-05	4.90E-05
178	3.09E-06	3.19E-05	4.87E-05	2.93E-06	2.91E-05	4.84E-05	3.13E-06	2.98E-05	5.00E-05	2.99E-06	2.83E-05	4.82E-05	2.91E-06	2.96E-05	4.87E-05
179	3.09E-06	3.18E-05	4.85E-05	2.90E-06	2.91E-05	4.84E-05	3.12E-06	2.97E-05	5.00E-05	2.98E-06	2.81E-05	4.80E-05	2.91E-06	2.95E-05	4.86E-05
180	3.08E-06	3.18E-05	4.83E-05	2.90E-06	2.90E-05	4.84E-05	3.12E-06	2.97E-05	4.93E-05	2.98E-06	2.81E-05	4.80E-05	2.91E-06	2.94E-05	4.86E-05
181	3.07E-06	3.17E-05	4.80E-05	2.89E-06	2.90E-05	4.83E-05	3.11E-06	2.97E-05	4.90E-05	2.98E-06	2.81E-05	4.78E-05	2.90E-06	2.92E-05	4.82E-05
182	3.07E-06	3.17E-05	4.78E-05	2.89E-06	2.90E-05	4.82E-05	3.08E-06	2.97E-05	4.89E-05	2.97E-06	2.78E-05	4.75E-05	2.90E-06	2.90E-05	4.82E-05
183	3.06E-06	3.16E-05	4.76E-05	2.88E-06	2.90E-05	4.82E-05	3.08E-06	2.93E-05	4.89E-05	2.96E-06	2.77E-05	4.74E-05	2.90E-06	2.90E-05	4.81E-05
184	3.05E-06	3.16E-05	4.76E-05	2.87E-06	2.88E-05	4.81E-05	3.07E-06	2.92E-05	4.88E-05	2.94E-06	2.76E-05	4.73E-05	2.89E-06	2.90E-05	4.80E-05
185	3.05E-06	3.14E-05	4.74E-05	2.87E-06	2.88E-05	4.81E-05	3.06E-06	2.92E-05	4.88E-05	2.94E-06	2.76E-05	4.72E-05	2.88E-06	2.89E-05	4.79E-05
186	3.04E-06	3.14E-05	4.73E-05	2.86E-06	2.88E-05	4.77E-05	3.05E-06	2.91E-05	4.87E-05	2.94E-06	2.76E-05	4.72E-05	2.85E-06	2.89E-05	4.78E-05
187	3.02E-06	3.13E-05	4.73E-05	2.85E-06	2.86E-05	4.75E-05	3.00E-06	2.91E-05	4.87E-05	2.94E-06	2.75E-05	4.71E-05	2.84E-06	2.87E-05	4.78E-05
188	3.00E-06	3.12E-05	4.71E-05	2.84E-06	2.85E-05	4.73E-05	3.00E-06	2.90E-05	4.87E-05	2.94E-06	2.74E-05	4.70E-05	2.84E-06	2.86E-05	4.77E-05
189	3.00E-06	3.10E-05	4.71E-05	2.84E-06	2.85E-05	4.72E-05	2.99E-06	2.89E-05	4.87E-05	2.94E-06	2.74E-05	4.70E-05	2.84E-06	2.86E-05	4.77E-05
190	3.00E-06	3.10E-05	4.71E-05	2.83E-06	2.85E-05	4.72E-05	2.99E-06	2.89E-05	4.85E-05	2.93E-06	2.74E-05	4.70E-05	2.83E-06	2.86E-05	4.76E-05
191	2.99E-06	3.10E-05	4.70E-05	2.82E-06	2.85E-05	4.72E-05	2.97E-06	2.89E-05	4.83E-05	2.93E-06	2.74E-05	4.69E-05	2.83E-06	2.85E-05	4.76E-05
192	2.98E-06	3.10E-05	4.70E-05	2.81E-06	2.84E-05	4.71E-05	2.97E-06	2.88E-05	4.80E-05	2.92E-06	2.74E-05	4.67E-05	2.82E-06	2.84E-05	4.75E-05
193	2.98E-06	3.08E-05	4.69E-05	2.80E-06	2.84E-05	4.71E-05	2.96E-06	2.84E-05	4.80E-05	2.92E-06	2.73E-05	4.66E-05	2.82E-06	2.84E-05	4.75E-05
194	2.97E-06	3.06E-05	4.67E-05	2.80E-06	2.83E-05	4.71E-05	2.94E-06	2.83E-05	4.79E-05	2.92E-06	2.72E-05	4.66E-05	2.81E-06	2.83E-05	4.74E-05
195	2.95E-06	3.06E-05	4.65E-05	2.79E-06	2.83E-05	4.70E-05	2.92E-06	2.82E-05	4.78E-05	2.91E-06	2.72E-05	4.66E-05	2.80E-06	2.83E-05	4.73E-05
196	2.95E-06	3.06E-05	4.65E-05	2.79E-06	2.82E-05	4.70E-05	2.91E-06	2.81E-05	4.72E-05	2.88E-06	2.72E-05	4.65E-05	2.80E-06	2.80E-05	4.72E-05
197	2.95E-06	3.06E-05	4.65E-05	2.79E-06	2.81E-05	4.68E-05	2.91E-06	2.81E-05	4.71E-05	2.88E-06	2.70E-05	4.64E-05	2.80E-06	2.79E-05	4.71E-05
198	2.95E-06	3.05E-05	4.63E-05	2.78E-06	2.81E-05	4.64E-05	2.87E-06	2.81E-05	4.70E-05	2.87E-06	2.69E-05	4.63E-05	2.80E-06	2.79E-05	4.70E-05
199	2.94E-06	3.05E-05	4.62E-05	2.78E-06	2.81E-05	4.64E-05	2.87E-06	2.79E-05	4.68E-05	2.87E-06	2.69E-05	4.62E-05	2.79E-06	2.79E-05	4.68E-05
200	2.93E-06	3.05E-05	4.62E-05	2.77E-06	2.80E-05	4.60E-05	2.86E-06	2.79E-05	4.64E-05	2.87E-06	2.69E-05	4.61E-05	2.78E-06	2.78E-05	4.67E-05
201	2.92E-06	3.04E-05	4.61E-05	2.77E-06	2.77E-05	4.56E-05	2.86E-06	2.78E-05	4.63E-05	2.86E-06	2.67E-05	4.61E-05	2.78E-06	2.77E-05	4.66E-05
202	2.92E-06	3.03E-05	4.60E-05	2.77E-06	2.77E-05	4.56E-05	2.85E-06	2.77E-05	4.61E-05	2.86E-06	2.67E-05	4.60E-05	2.77E-06	2.75E-05	4.65E-05
203	2.91E-06	3.03E-05	4.59E-05	2.75E-06	2.77E-05	4.55E-05	2.83E-06	2.77E-05	4.60E-05	2.85E-06	2.66E-05	4.58E-05	2.75E-06	2.75E-05	4.64E-05
204	2.91E-06	3.03E-05	4.58E-05	2.75E-06	2.75E-05	4.53E-05	2.83E-06	2.76E-05	4.58E-05	2.85E-06	2.66E-05	4.58E-05	2.75E-06	2.73E-05	4.64E-05
205	2.89E-06	3.03E-05	4.57E-05	2.75E-06	2.74E-05	4.51E-05	2.82E-06	2.76E-05	4.58E-05	2.84E-06	2.65E-05	4.58E-05	2.72E-06	2.73E-05	4.64E-05
206	2.89E-06	3.03E-05	4.57E-05	2.74E-06	2.74E-05	4.50E-05	2.82E-06	2.76E-05	4.57E-05	2.84E-06	2.65E-05	4.56E-05	2.72E-06	2.72E-05	4.63E-05
207	2.88E-06	3.02E-05	4.55E-05	2.74E-06	2.74E-05	4.48E-05	2.82E-06	2.75E-05	4.57E-05	2.83E-06	2.64E-05	4.55E-05	2.71E-06	2.71E-05	4.62E-05
208	2.88E-06	3.01E-05	4.55E-05	2.74E-06	2.73E-05	4.46E-05	2.80E-06	2.75E-05	4.56E-05	2.82E-06	2.63E-05	4.53E-05	2.71E-06	2.71E-05	4.62E-05
209	2.88E-06	3.01E-05	4.54E-05	2.74E-06	2.73E-05	4.45E-05	2.80E-06	2.73E-05	4.55E-05	2.82E-06	2.63E-05	4.53E-05	2.71E-06	2.71E-05	4.62E-05
210	2.84E-06	3.01E-05	4.54E-05	2.74E-06	2.72E-05	4.44E-05	2.80E-06	2.73E-05	4.55E-05	2.82E-06	2.62E-05	4.53E-05	2.70E-06	2.71E-05	4.61E-05
211	2.84E-06	3.00E-05	4.53E-05	2.74E-06	2.71E-05	4.43E-05	2.77E-06	2.72E-05	4.54E-05	2.82E-06	2.62E-05	4.52E-05	2.70E-06	2.70E-05	4.60E-05
212	2.84E-06	2.99E-05	4.53E-05	2.73E-06	2.71E-05	4.42E-05	2.77E-06	2.72E-05	4.52E-05	2.80E-06	2.61E-05	4.50E-05	2.69E-06	2.70E-05	4.59E-05
213	2.83E-06	2.98E-05	4.52E-05	2.72E-06	2.71E-05	4.42E-05	2.77E-06	2.71E-05	4.52E-05	2.80E-06	2.61E-05	4.50E-05	2.69E-06	2.70E-05	4.59E-05
214	2.81E-06	2.98E-05	4.52E-05	2.72E-06	2.71E-05	4.41E-05	2.76E-06	2.71E-05	4.52E-05	2.79E-06	2.60E-05	4.48E-05	2.69E-06	2.70E-05	4.58E-05
215	2.81E-06	2.98E-05	4.51E-05	2.71E-06	2.70E-05	4.40E-05	2.75E-06	2.70E-05	4.51E-05	2.78E-06	2.60E-05	4.46E-05	2.69E-06	2.69E-05	4.58E-05
216	2.79E-06	2.98E-05	4.51E-05	2.71E-06	2.70E-05	4.40E-05	2.75E-06	2.70E-05	4.51E-05	2.77E-06	2.59E-05	4.44E-05	2.69E-06	2.68E-05	4.57E-05
217	2.79E-06	2.96E-05	4.50E-05	2.71E-06	2.70E-05	4.39E-05	2.74E-06	2.70E-05	4.51E-05	2.76E-06	2.58E-05	4.44E-05	2.68E-06	2.68E-05	4.55E-05
218	2.78E-06	2.96E-05	4.49E-05	2.71E-06	2.70E-05	4.39E-05	2.73E-06	2.69E-05	4.51E-05	2.76E-06	2.58E-05	4.43E-05	2.68E-06	2.68E-05	4.55E-05
219	2.78E-06	2.95E-05	4.48E-05	2.71E-06	2.68E-05	4.38E-05	2.72E-06	2.67E-05	4.50E-05	2.75E-06	2.56E-05	4.42E-05	2.68E-06	2.67E-05	4.54E-05
220	2.78E-06	2.93E-05	4.48E-05	2.70E-06	2.68E-05	4.37E-05	2.72E-06	2.67E-05	4.50E-05	2.75E-06	2.56E-05	4.42E-05	2.68E-06	2.66E-05	4.54E-05
221	2.77E-06	2.93E-05													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
226	2.73E-06	2.89E-05	4.39E-05	2.66E-06	2.64E-05	4.32E-05	2.67E-06	2.63E-05	4.44E-05	2.70E-06	2.51E-05	4.37E-05	2.62E-06	2.62E-05	4.51E-05
227	2.72E-06	2.89E-05	4.39E-05	2.66E-06	2.64E-05	4.31E-05	2.66E-06	2.63E-05	4.44E-05	2.69E-06	2.50E-05	4.35E-05	2.61E-06	2.62E-05	4.50E-05
228	2.70E-06	2.89E-05	4.39E-05	2.65E-06	2.63E-05	4.30E-05	2.64E-06	2.63E-05	4.44E-05	2.67E-06	2.49E-05	4.34E-05	2.61E-06	2.62E-05	4.47E-05
229	2.70E-06	2.87E-05	4.38E-05	2.64E-06	2.63E-05	4.30E-05	2.63E-06	2.63E-05	4.43E-05	2.67E-06	2.49E-05	4.33E-05	2.61E-06	2.60E-05	4.46E-05
230	2.70E-06	2.87E-05	4.37E-05	2.63E-06	2.62E-05	4.29E-05	2.63E-06	2.62E-05	4.43E-05	2.67E-06	2.49E-05	4.33E-05	2.60E-06	2.59E-05	4.43E-05
231	2.69E-06	2.87E-05	4.37E-05	2.63E-06	2.62E-05	4.28E-05	2.63E-06	2.62E-05	4.42E-05	2.67E-06	2.49E-05	4.33E-05	2.60E-06	2.59E-05	4.43E-05
232	2.69E-06	2.87E-05	4.35E-05	2.61E-06	2.62E-05	4.28E-05	2.62E-06	2.60E-05	4.42E-05	2.66E-06	2.48E-05	4.32E-05	2.60E-06	2.59E-05	4.41E-05
233	2.69E-06	2.86E-05	4.34E-05	2.61E-06	2.61E-05	4.28E-05	2.62E-06	2.59E-05	4.42E-05	2.66E-06	2.46E-05	4.32E-05	2.58E-06	2.58E-05	4.41E-05
234	2.68E-06	2.86E-05	4.33E-05	2.61E-06	2.61E-05	4.26E-05	2.62E-06	2.59E-05	4.41E-05	2.66E-06	2.45E-05	4.32E-05	2.57E-06	2.58E-05	4.38E-05
235	2.68E-06	2.86E-05	4.32E-05	2.61E-06	2.61E-05	4.26E-05	2.61E-06	2.59E-05	4.40E-05	2.66E-06	2.45E-05	4.32E-05	2.57E-06	2.57E-05	4.36E-05
236	2.67E-06	2.85E-05	4.31E-05	2.61E-06	2.60E-05	4.26E-05	2.61E-06	2.57E-05	4.40E-05	2.65E-06	2.45E-05	4.31E-05	2.57E-06	2.57E-05	4.34E-05
237	2.67E-06	2.84E-05	4.31E-05	2.60E-06	2.60E-05	4.25E-05	2.61E-06	2.57E-05	4.39E-05	2.65E-06	2.45E-05	4.31E-05	2.56E-06	2.57E-05	4.33E-05
238	2.66E-06	2.84E-05	4.30E-05	2.60E-06	2.59E-05	4.24E-05	2.61E-06	2.56E-05	4.38E-05	2.64E-06	2.44E-05	4.29E-05	2.54E-06	2.55E-05	4.29E-05
239	2.66E-06	2.84E-05	4.30E-05	2.58E-06	2.58E-05	4.24E-05	2.60E-06	2.56E-05	4.37E-05	2.63E-06	2.44E-05	4.28E-05	2.54E-06	2.55E-05	4.28E-05
240	2.65E-06	2.83E-05	4.30E-05	2.58E-06	2.58E-05	4.23E-05	2.60E-06	2.55E-05	4.36E-05	2.63E-06	2.43E-05	4.26E-05	2.54E-06	2.53E-05	4.28E-05
241	2.65E-06	2.83E-05	4.29E-05	2.58E-06	2.58E-05	4.23E-05	2.59E-06	2.55E-05	4.35E-05	2.63E-06	2.43E-05	4.26E-05	2.53E-06	2.52E-05	4.27E-05
242	2.65E-06	2.82E-05	4.27E-05	2.57E-06	2.57E-05	4.21E-05	2.59E-06	2.54E-05	4.35E-05	2.63E-06	2.43E-05	4.25E-05	2.52E-06	2.52E-05	4.27E-05
243	2.65E-06	2.81E-05	4.26E-05	2.57E-06	2.56E-05	4.19E-05	2.58E-06	2.53E-05	4.34E-05	2.63E-06	2.42E-05	4.25E-05	2.52E-06	2.52E-05	4.26E-05
244	2.64E-06	2.81E-05	4.25E-05	2.56E-06	2.56E-05	4.18E-05	2.57E-06	2.52E-05	4.34E-05	2.62E-06	2.39E-05	4.24E-05	2.51E-06	2.51E-05	4.26E-05
245	2.63E-06	2.80E-05	4.24E-05	2.56E-06	2.54E-05	4.17E-05	2.56E-06	2.52E-05	4.33E-05	2.62E-06	2.39E-05	4.22E-05	2.51E-06	2.50E-05	4.21E-05
246	2.63E-06	2.80E-05	4.24E-05	2.56E-06	2.54E-05	4.16E-05	2.56E-06	2.52E-05	4.30E-05	2.62E-06	2.38E-05	4.20E-05	2.51E-06	2.50E-05	4.20E-05
247	2.61E-06	2.80E-05	4.22E-05	2.56E-06	2.53E-05	4.16E-05	2.56E-06	2.50E-05	4.29E-05	2.62E-06	2.38E-05	4.20E-05	2.51E-06	2.49E-05	4.19E-05
248	2.61E-06	2.77E-05	4.22E-05	2.56E-06	2.53E-05	4.16E-05	2.56E-06	2.50E-05	4.27E-05	2.61E-06	2.38E-05	4.17E-05	2.51E-06	2.49E-05	4.18E-05
249	2.61E-06	2.77E-05	4.20E-05	2.55E-06	2.53E-05	4.15E-05	2.55E-06	2.50E-05	4.27E-05	2.58E-06	2.38E-05	4.17E-05	2.49E-06	2.47E-05	4.17E-05
250	2.61E-06	2.77E-05	4.20E-05	2.54E-06	2.52E-05	4.13E-05	2.54E-06	2.49E-05	4.25E-05	2.57E-06	2.37E-05	4.15E-05	2.48E-06	2.47E-05	4.16E-05
251	2.60E-06	2.76E-05	4.20E-05	2.54E-06	2.52E-05	4.13E-05	2.54E-06	2.49E-05	4.25E-05	2.56E-06	2.37E-05	4.12E-05	2.47E-06	2.47E-05	4.15E-05
252	2.58E-06	2.76E-05	4.20E-05	2.53E-06	2.51E-05	4.13E-05	2.51E-06	2.49E-05	4.25E-05	2.55E-06	2.37E-05	4.12E-05	2.47E-06	2.46E-05	4.13E-05
253	2.58E-06	2.75E-05	4.20E-05	2.53E-06	2.51E-05	4.13E-05	2.50E-06	2.49E-05	4.22E-05	2.54E-06	2.36E-05	4.12E-05	2.46E-06	2.45E-05	4.13E-05
254	2.56E-06	2.75E-05	4.19E-05	2.53E-06	2.50E-05	4.12E-05	2.50E-06	2.48E-05	4.22E-05	2.54E-06	2.36E-05	4.11E-05	2.46E-06	2.43E-05	4.12E-05
255	2.56E-06	2.74E-05	4.18E-05	2.53E-06	2.50E-05	4.12E-05	2.50E-06	2.48E-05	4.22E-05	2.54E-06	2.36E-05	4.11E-05	2.45E-06	2.43E-05	4.12E-05
256	2.56E-06	2.74E-05	4.18E-05	2.53E-06	2.50E-05	4.12E-05	2.49E-06	2.48E-05	4.21E-05	2.54E-06	2.36E-05	4.10E-05	2.45E-06	2.41E-05	4.12E-05
257	2.56E-06	2.74E-05	4.17E-05	2.53E-06	2.49E-05	4.11E-05	2.49E-06	2.47E-05	4.21E-05	2.53E-06	2.35E-05	4.09E-05	2.43E-06	2.41E-05	4.11E-05
258	2.55E-06	2.73E-05	4.17E-05	2.53E-06	2.49E-05	4.11E-05	2.48E-06	2.47E-05	4.19E-05	2.53E-06	2.35E-05	4.09E-05	2.43E-06	2.40E-05	4.10E-05
259	2.54E-06	2.73E-05	4.16E-05	2.52E-06	2.49E-05	4.11E-05	2.48E-06	2.47E-05	4.17E-05	2.53E-06	2.35E-05	4.08E-05	2.42E-06	2.40E-05	4.09E-05
260	2.54E-06	2.71E-05	4.16E-05	2.52E-06	2.48E-05	4.11E-05	2.47E-06	2.47E-05	4.17E-05	2.52E-06	2.34E-05	4.05E-05	2.42E-06	2.39E-05	4.09E-05
261	2.54E-06	2.70E-05	4.16E-05	2.52E-06	2.48E-05	4.09E-05	2.46E-06	2.46E-05	4.16E-05	2.51E-06	2.33E-05	4.04E-05	2.41E-06	2.39E-05	4.08E-05
262	2.54E-06	2.70E-05	4.16E-05	2.51E-06	2.48E-05	4.09E-05	2.45E-06	2.46E-05	4.15E-05	2.50E-06	2.33E-05	4.04E-05	2.41E-06	2.39E-05	4.07E-05
263	2.53E-06	2.69E-05	4.14E-05	2.50E-06	2.48E-05	4.09E-05	2.45E-06	2.45E-05	4.13E-05	2.48E-06	2.32E-05	4.03E-05	2.41E-06	2.38E-05	4.06E-05
264	2.53E-06	2.69E-05	4.13E-05	2.49E-06	2.47E-05	4.05E-05	2.45E-06	2.45E-05	4.13E-05	2.48E-06	2.32E-05	4.03E-05	2.40E-06	2.38E-05	4.06E-05
265	2.52E-06	2.69E-05	4.13E-05	2.49E-06	2.46E-05	4.05E-05	2.44E-06	2.44E-05	4.13E-05	2.47E-06	2.32E-05	4.03E-05	2.40E-06	2.38E-05	4.06E-05
266	2.52E-06	2.69E-05	4.13E-05	2.49E-06	2.45E-05	4.05E-05	2.44E-06	2.44E-05	4.12E-05	2.47E-06	2.32E-05	4.02E-05	2.40E-06	2.37E-05	4.06E-05
267	2.51E-06	2.68E-05	4.13E-05	2.47E-06	2.44E-05	4.05E-05	2.44E-06	2.44E-05	4.12E-05	2.47E-06	2.31E-05	4.02E-05	2.39E-06	2.37E-05	4.05E-05
268	2.50E-06	2.68E-05	4.12E-05	2.46E-06	2.44E-05	4.04E-05	2.43E-06	2.43E-05	4.11E-05	2.47E-06	2.31E-05	3.97E-05	2.38E-06	2.37E-05	4.04E-05
269	2.50E-06	2.68E-05	4.12E-05	2.46E-06	2.43E-05	4.04E-05	2.43E-06	2.42E-05	4.09E-05	2.45E-06	2.31E-05	3.97E-05	2.38E-06	2.37E-05	4.04E-05
270	2.50E-06	2.67E-05	4.11E-05	2.46E-06	2.43E-05	4.04E-05	2.42E-06	2.42E-05	4.09E-05	2.44E-06	2.31E-05	3.96E-05	2.38E-06	2.36E-05	4.03E-05
271	2.49E-06	2.66E-05	4.11E-05	2.45E-06	2.42E-05	4.03E-05	2.42E-06	2.41E-05	4.09E-05	2.43E-06	2.30E-05	3.96E-05	2.37E-06	2.36E-05	4.02E-05
272	2.48E-06	2.64E-05	4.11E-05	2.45E-06	2.42E-05	4.02E-05	2.41E-06	2.41E-05	4.09E-05	2.43E-06	2.29E-05	3.95E-05	2.37E-06	2.36E-05	4.01E-05
273	2.47E-06	2.63E-05	4.10E-05	2.45E-06	2.41E-05	4.02E-05	2.41E-06	2.40E-05	4.07E-05	2.43E-06	2.29E-05	3.94E-05	2.37E-06	2.35E-05	4.01E-05
274	2.47E-06	2.62E-05	4.09E-05	2.45E-06	2.39E-05	4.02E-05	2.41E-06	2.39E-05	4.06E-05	2.43E-06	2.29E-05	3.93E-05	2.36E-06	2.35E-05	4.01E-05
275	2.47E-06	2.62E-05	4.09E-05	2.44E-06	2.39E-05	4.02E-05	2.41E-06	2.39E-05	4.06E-05	2.42E-06	2.29E-05	3.93E-05	2.36E-06	2.34E-05	4.01E-05
276	2.47E-06	2.62E-05	4.09E-05	2.44E-06	2.39E-05	4.01E-05	2.40E-06	2.38E-05	4.06E-05	2.42E-06	2.29E-05	3.92E-05	2.36E-06	2.34E-05	4.01E-05
277	2.47E-06	2.61E-05	4.09E-05	2.44E-06	2.39E-05	4.00E-05	2.40E-06	2.37E-05	4.05E-05	2.42E-06	2.28E-05	3.89E-05	2.36E-06	2.34E-05	4.00E-05
278	2.46E-06	2.61E-05	4.09E-05	2.43E-06	2.38E-05	4.00E-05	2.39E-06	2.37E-05	4.05E-05	2.42E-06	2.28E-05	3.88E-05	2.35E-06	2.34E-05	3.99E-05
279	2.46E-06	2.61E-05	4.08E-05	2.42E-06	2.38E-05	4.00E-05	2.38E-06	2.37E-05	4.05E-05	2.42E-06	2.28E-05	3.88E-05	2.34E-06	2.34E-05	3.99E-05
280	2.46E-06	2.61E-05	4.08E-05	2.41E-06	2.36E-05	3.97E-05	2.36E-06	2.37E-05	4.05E-05	2.41E-06	2.27E-05	3.85E-05	2.34E-06	2.33E-05	3.98E-05
281	2.45E-06	2.60E-05	4.07E-05	2.41E-06	2.35E-05	3.97E-05	2.38E-06	2.37E-05	4.04E-05	2.41E-06	2.27E-05	3.85E-05	2.34E-06	2.33E-05	3.98E-05
282	2.44E-06	2.60E-05	4.07E-05	2.40E-06	2.34E-05	3.97E-05	2.38E-06	2.36E-05	4.04E-05	2.40E-06	2.26E-05	3.84E-05	2.34E-06	2.33E-05	3.96E-05
283	2.43E-06	2.59E-05													

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
288	2.43E-06	2.56E-05	4.05E-05	2.37E-06	2.32E-05	3.94E-05	2.35E-06	2.35E-05	3.98E-05	2.37E-06	2.24E-05	3.80E-05	2.31E-06	2.29E-05	3.88E-05
289	2.42E-06	2.55E-05	4.05E-05	2.36E-06	2.32E-05	3.94E-05	2.35E-06	2.35E-05	3.98E-05	2.37E-06	2.24E-05	3.80E-05	2.31E-06	2.29E-05	3.88E-05
290	2.42E-06	2.54E-05	4.02E-05	2.35E-06	2.32E-05	3.93E-05	2.34E-06	2.34E-05	3.98E-05	2.36E-06	2.23E-05	3.80E-05	2.30E-06	2.28E-05	3.87E-05
291	2.42E-06	2.52E-05	4.02E-05	2.35E-06	2.32E-05	3.92E-05	2.34E-06	2.34E-05	3.98E-05	2.36E-06	2.23E-05	3.79E-05	2.29E-06	2.28E-05	3.87E-05
292	2.41E-06	2.52E-05	4.02E-05	2.35E-06	2.32E-05	3.90E-05	2.33E-06	2.34E-05	3.96E-05	2.36E-06	2.23E-05	3.79E-05	2.29E-06	2.28E-05	3.85E-05
293	2.41E-06	2.50E-05	4.01E-05	2.35E-06	2.31E-05	3.88E-05	2.33E-06	2.33E-05	3.96E-05	2.35E-06	2.22E-05	3.78E-05	2.28E-06	2.28E-05	3.85E-05
294	2.41E-06	2.50E-05	4.01E-05	2.35E-06	2.31E-05	3.87E-05	2.32E-06	2.33E-05	3.96E-05	2.35E-06	2.22E-05	3.78E-05	2.28E-06	2.28E-05	3.85E-05
295	2.41E-06	2.50E-05	4.01E-05	2.34E-06	2.31E-05	3.85E-05	2.31E-06	2.32E-05	3.96E-05	2.34E-06	2.21E-05	3.76E-05	2.27E-06	2.28E-05	3.84E-05
296	2.39E-06	2.50E-05	4.01E-05	2.34E-06	2.30E-05	3.84E-05	2.31E-06	2.32E-05	3.95E-05	2.34E-06	2.20E-05	3.75E-05	2.26E-06	2.27E-05	3.84E-05
297	2.39E-06	2.50E-05	4.00E-05	2.34E-06	2.30E-05	3.83E-05	2.31E-06	2.32E-05	3.95E-05	2.34E-06	2.20E-05	3.75E-05	2.25E-06	2.27E-05	3.84E-05
298	2.37E-06	2.50E-05	3.99E-05	2.32E-06	2.30E-05	3.81E-05	2.30E-06	2.31E-05	3.95E-05	2.34E-06	2.19E-05	3.74E-05	2.25E-06	2.26E-05	3.83E-05
299	2.37E-06	2.50E-05	3.98E-05	2.32E-06	2.30E-05	3.81E-05	2.30E-06	2.30E-05	3.95E-05	2.33E-06	2.19E-05	3.74E-05	2.25E-06	2.26E-05	3.82E-05
300	2.37E-06	2.49E-05	3.98E-05	2.31E-06	2.29E-05	3.80E-05	2.29E-06	2.30E-05	3.95E-05	2.33E-06	2.19E-05	3.73E-05	2.25E-06	2.26E-05	3.81E-05
301	2.36E-06	2.49E-05	3.98E-05	2.31E-06	2.29E-05	3.80E-05	2.29E-06	2.30E-05	3.94E-05	2.33E-06	2.19E-05	3.73E-05	2.24E-06	2.25E-05	3.81E-05
302	2.36E-06	2.48E-05	3.98E-05	2.31E-06	2.29E-05	3.80E-05	2.29E-06	2.29E-05	3.93E-05	2.33E-06	2.19E-05	3.72E-05	2.23E-06	2.25E-05	3.81E-05
303	2.36E-06	2.48E-05	3.97E-05	2.31E-06	2.29E-05	3.80E-05	2.28E-06	2.29E-05	3.93E-05	2.33E-06	2.18E-05	3.71E-05	2.23E-06	2.25E-05	3.80E-05
304	2.35E-06	2.48E-05	3.97E-05	2.30E-06	2.28E-05	3.78E-05	2.28E-06	2.29E-05	3.93E-05	2.32E-06	2.17E-05	3.71E-05	2.23E-06	2.25E-05	3.79E-05
305	2.35E-06	2.47E-05	3.96E-05	2.30E-06	2.28E-05	3.77E-05	2.28E-06	2.29E-05	3.92E-05	2.32E-06	2.17E-05	3.71E-05	2.22E-06	2.23E-05	3.78E-05
306	2.35E-06	2.46E-05	3.96E-05	2.30E-06	2.28E-05	3.77E-05	2.28E-06	2.28E-05	3.92E-05	2.31E-06	2.17E-05	3.70E-05	2.22E-06	2.23E-05	3.77E-05
307	2.35E-06	2.46E-05	3.95E-05	2.29E-06	2.28E-05	3.77E-05	2.27E-06	2.28E-05	3.92E-05	2.31E-06	2.16E-05	3.68E-05	2.21E-06	2.23E-05	3.77E-05
308	2.33E-06	2.46E-05	3.95E-05	2.29E-06	2.28E-05	3.76E-05	2.27E-06	2.28E-05	3.90E-05	2.30E-06	2.16E-05	3.66E-05	2.21E-06	2.22E-05	3.76E-05
309	2.33E-06	2.46E-05	3.95E-05	2.29E-06	2.27E-05	3.76E-05	2.27E-06	2.27E-05	3.89E-05	2.29E-06	2.16E-05	3.65E-05	2.20E-06	2.22E-05	3.76E-05
310	2.32E-06	2.45E-05	3.94E-05	2.28E-06	2.27E-05	3.76E-05	2.27E-06	2.27E-05	3.89E-05	2.29E-06	2.15E-05	3.64E-05	2.20E-06	2.22E-05	3.76E-05
311	2.32E-06	2.45E-05	3.94E-05	2.27E-06	2.27E-05	3.76E-05	2.27E-06	2.27E-05	3.88E-05	2.29E-06	2.15E-05	3.63E-05	2.20E-06	2.21E-05	3.76E-05
312	2.32E-06	2.45E-05	3.93E-05	2.27E-06	2.26E-05	3.76E-05	2.26E-06	2.27E-05	3.88E-05	2.28E-06	2.14E-05	3.63E-05	2.20E-06	2.21E-05	3.75E-05
313	2.32E-06	2.44E-05	3.93E-05	2.26E-06	2.26E-05	3.75E-05	2.26E-06	2.26E-05	3.87E-05	2.28E-06	2.14E-05	3.61E-05	2.19E-06	2.21E-05	3.74E-05
314	2.31E-06	2.44E-05	3.92E-05	2.26E-06	2.26E-05	3.72E-05	2.26E-06	2.26E-05	3.87E-05	2.28E-06	2.14E-05	3.61E-05	2.19E-06	2.21E-05	3.74E-05
315	2.31E-06	2.43E-05	3.92E-05	2.25E-06	2.26E-05	3.72E-05	2.25E-06	2.25E-05	3.87E-05	2.27E-06	2.13E-05	3.61E-05	2.19E-06	2.21E-05	3.74E-05
316	2.31E-06	2.43E-05	3.92E-05	2.25E-06	2.25E-05	3.71E-05	2.24E-06	2.25E-05	3.85E-05	2.26E-06	2.13E-05	3.60E-05	2.18E-06	2.21E-05	3.73E-05
317	2.30E-06	2.43E-05	3.91E-05	2.25E-06	2.25E-05	3.71E-05	2.23E-06	2.24E-05	3.83E-05	2.26E-06	2.11E-05	3.60E-05	2.18E-06	2.20E-05	3.72E-05
318	2.29E-06	2.42E-05	3.91E-05	2.25E-06	2.24E-05	3.70E-05	2.23E-06	2.24E-05	3.83E-05	2.26E-06	2.10E-05	3.59E-05	2.18E-06	2.20E-05	3.72E-05
319	2.29E-06	2.42E-05	3.89E-05	2.24E-06	2.24E-05	3.68E-05	2.23E-06	2.24E-05	3.83E-05	2.26E-06	2.10E-05	3.58E-05	2.18E-06	2.20E-05	3.72E-05
320	2.28E-06	2.42E-05	3.89E-05	2.24E-06	2.23E-05	3.67E-05	2.23E-06	2.23E-05	3.83E-05	2.26E-06	2.10E-05	3.56E-05	2.18E-06	2.20E-05	3.71E-05
321	2.28E-06	2.42E-05	3.89E-05	2.24E-06	2.23E-05	3.67E-05	2.23E-06	2.23E-05	3.82E-05	2.25E-06	2.09E-05	3.56E-05	2.18E-06	2.20E-05	3.71E-05
322	2.27E-06	2.41E-05	3.88E-05	2.23E-06	2.22E-05	3.66E-05	2.23E-06	2.22E-05	3.82E-05	2.24E-06	2.08E-05	3.55E-05	2.18E-06	2.20E-05	3.70E-05
323	2.27E-06	2.41E-05	3.88E-05	2.23E-06	2.22E-05	3.65E-05	2.23E-06	2.22E-05	3.80E-05	2.23E-06	2.08E-05	3.55E-05	2.18E-06	2.20E-05	3.70E-05
324	2.26E-06	2.41E-05	3.88E-05	2.23E-06	2.22E-05	3.65E-05	2.22E-06	2.22E-05	3.80E-05	2.23E-06	2.07E-05	3.55E-05	2.17E-06	2.19E-05	3.70E-05
325	2.26E-06	2.40E-05	3.87E-05	2.22E-06	2.22E-05	3.65E-05	2.22E-06	2.22E-05	3.79E-05	2.22E-06	2.07E-05	3.54E-05	2.17E-06	2.19E-05	3.69E-05
326	2.26E-06	2.39E-05	3.86E-05	2.22E-06	2.22E-05	3.65E-05	2.21E-06	2.21E-05	3.79E-05	2.22E-06	2.06E-05	3.54E-05	2.17E-06	2.19E-05	3.69E-05
327	2.26E-06	2.39E-05	3.85E-05	2.22E-06	2.21E-05	3.64E-05	2.21E-06	2.21E-05	3.78E-05	2.21E-06	2.06E-05	3.53E-05	2.16E-06	2.19E-05	3.68E-05
328	2.26E-06	2.39E-05	3.84E-05	2.21E-06	2.21E-05	3.63E-05	2.21E-06	2.20E-05	3.77E-05	2.21E-06	2.06E-05	3.53E-05	2.16E-06	2.18E-05	3.68E-05
329	2.25E-06	2.39E-05	3.84E-05	2.21E-06	2.21E-05	3.61E-05	2.21E-06	2.20E-05	3.76E-05	2.21E-06	2.06E-05	3.52E-05	2.16E-06	2.18E-05	3.67E-05
330	2.25E-06	2.38E-05	3.83E-05	2.21E-06	2.21E-05	3.60E-05	2.20E-06	2.20E-05	3.75E-05	2.20E-06	2.05E-05	3.52E-05	2.15E-06	2.17E-05	3.67E-05
331	2.25E-06	2.38E-05	3.82E-05	2.20E-06	2.21E-05	3.60E-05	2.19E-06	2.20E-05	3.73E-05	2.19E-06	2.04E-05	3.50E-05	2.15E-06	2.17E-05	3.67E-05
332	2.24E-06	2.38E-05	3.82E-05	2.20E-06	2.21E-05	3.59E-05	2.19E-06	2.19E-05	3.72E-05	2.19E-06	2.04E-05	3.50E-05	2.15E-06	2.17E-05	3.67E-05
333	2.23E-06	2.37E-05	3.82E-05	2.20E-06	2.20E-05	3.59E-05	2.18E-06	2.19E-05	3.72E-05	2.18E-06	2.04E-05	3.50E-05	2.15E-06	2.17E-05	3.66E-05
334	2.22E-06	2.37E-05	3.81E-05	2.20E-06	2.20E-05	3.57E-05	2.18E-06	2.19E-05	3.72E-05	2.18E-06	2.03E-05	3.49E-05	2.14E-06	2.17E-05	3.65E-05
335	2.22E-06	2.37E-05	3.81E-05	2.19E-06	2.19E-05	3.57E-05	2.18E-06	2.18E-05	3.71E-05	2.17E-06	2.03E-05	3.48E-05	2.14E-06	2.17E-05	3.64E-05
336	2.22E-06	2.36E-05	3.80E-05	2.19E-06	2.19E-05	3.57E-05	2.18E-06	2.18E-05	3.71E-05	2.17E-06	2.03E-05	3.48E-05	2.13E-06	2.16E-05	3.62E-05
337	2.22E-06	2.35E-05	3.78E-05	2.18E-06	2.19E-05	3.56E-05	2.18E-06	2.17E-05	3.70E-05	2.17E-06	2.03E-05	3.47E-05	2.13E-06	2.15E-05	3.61E-05
338	2.22E-06	2.35E-05	3.78E-05	2.18E-06	2.19E-05	3.56E-05	2.18E-06	2.17E-05	3.70E-05	2.16E-06	2.03E-05	3.47E-05	2.12E-06	2.15E-05	3.61E-05
339	2.21E-06	2.35E-05	3.78E-05	2.17E-06	2.18E-05	3.56E-05	2.17E-06	2.17E-05	3.69E-05	2.16E-06	2.03E-05	3.46E-05	2.12E-06	2.14E-05	3.61E-05
340	2.21E-06	2.35E-05	3.78E-05	2.17E-06	2.18E-05	3.55E-05	2.17E-06	2.16E-05	3.69E-05	2.15E-06	2.03E-05	3.46E-05	2.12E-06	2.14E-05	3.61E-05
341	2.21E-06	2.34E-05	3.75E-05	2.17E-06	2.18E-05	3.55E-05	2.16E-06	2.15E-05	3.67E-05	2.15E-06	2.03E-05	3.45E-05	2.11E-06	2.13E-05	3.60E-05
342	2.21E-06	2.34E-05	3.75E-05	2.17E-06	2.18E-05	3.54E-05	2.16E-06	2.15E-05	3.66E-05	2.15E-06	2.03E-05	3.45E-05	2.11E-06	2.13E-05	3.58E-05
343	2.20E-06	2.34E-05	3.74E-05	2.17E-06	2.18E-05	3.53E-05	2.16E-06	2.15E-05	3.66E-05	2.15E-06	2.03E-05	3.44E-05	2.10E-06	2.13E-05	3.58E-05
344	2.20E-06	2.33E-05	3.73E-05	2.16E-06	2.18E-05	3.53E-05	2.15E-06	2.14E-05	3.66E-05	2.14E-06	2.03E-05	3.44E-05	2.10E-06	2.12E-05	3.57E-05
345	2.20E-06	2.32E-05	3.73E-05	2.16E-06	2.17E-05	3.52E-05	2.15E-06	2.14E-05	3.65E-05	2.14E-06	2.01E-05	3.44E-05	2.10E-06	2.12E-05	3.56E-05
346	2.20E-06	2.32E-05	3.73E-05	2.16E-06	2.17E-05	3.52E-05	2.15E-06	2.14E-05	3.64E-05	2.14E-06					

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
350	2.19E-06	2.31E-05	3.68E-05	2.15E-06	2.15E-05	3.48E-05	2.13E-06	2.13E-05	3.61E-05	2.13E-06	2.00E-05	3.43E-05	2.08E-06	2.10E-05	3.54E-05
351	2.19E-06	2.31E-05	3.68E-05	2.15E-06	2.15E-05	3.47E-05	2.13E-06	2.13E-05	3.61E-05	2.12E-06	2.00E-05	3.43E-05	2.07E-06	2.09E-05	3.54E-05
352	2.19E-06	2.31E-05	3.68E-05	2.15E-06	2.15E-05	3.47E-05	2.13E-06	2.13E-05	3.61E-05	2.12E-06	1.99E-05	3.42E-05	2.06E-06	2.09E-05	3.54E-05
353	2.19E-06	2.31E-05	3.68E-05	2.14E-06	2.14E-05	3.47E-05	2.12E-06	2.13E-05	3.61E-05	2.11E-06	1.99E-05	3.42E-05	2.06E-06	2.08E-05	3.54E-05
354	2.18E-06	2.30E-05	3.67E-05	2.13E-06	2.14E-05	3.47E-05	2.12E-06	2.13E-05	3.61E-05	2.11E-06	1.99E-05	3.42E-05	2.06E-06	2.08E-05	3.53E-05
355	2.18E-06	2.28E-05	3.67E-05	2.13E-06	2.14E-05	3.46E-05	2.12E-06	2.12E-05	3.61E-05	2.11E-06	1.99E-05	3.41E-05	2.06E-06	2.07E-05	3.52E-05
356	2.18E-06	2.28E-05	3.66E-05	2.13E-06	2.13E-05	3.46E-05	2.11E-06	2.12E-05	3.61E-05	2.11E-06	1.98E-05	3.40E-05	2.05E-06	2.06E-05	3.52E-05
357	2.18E-06	2.28E-05	3.66E-05	2.13E-06	2.13E-05	3.45E-05	2.11E-06	2.12E-05	3.61E-05	2.10E-06	1.98E-05	3.40E-05	2.05E-06	2.06E-05	3.51E-05
358	2.18E-06	2.27E-05	3.66E-05	2.13E-06	2.13E-05	3.45E-05	2.11E-06	2.12E-05	3.60E-05	2.09E-06	1.97E-05	3.39E-05	2.04E-06	2.06E-05	3.51E-05
359	2.18E-06	2.27E-05	3.66E-05	2.12E-06	2.13E-05	3.45E-05	2.10E-06	2.12E-05	3.60E-05	2.09E-06	1.97E-05	3.39E-05	2.03E-06	2.06E-05	3.50E-05
360	2.17E-06	2.27E-05	3.65E-05	2.12E-06	2.12E-05	3.45E-05	2.10E-06	2.12E-05	3.60E-05	2.08E-06	1.97E-05	3.39E-05	2.02E-06	2.06E-05	3.50E-05
361	2.17E-06	2.26E-05	3.65E-05	2.12E-06	2.12E-05	3.44E-05	2.10E-06	2.12E-05	3.60E-05	2.08E-06	1.96E-05	3.39E-05	2.02E-06	2.06E-05	3.49E-05
362	2.17E-06	2.26E-05	3.64E-05	2.11E-06	2.11E-05	3.44E-05	2.10E-06	2.12E-05	3.59E-05	2.08E-06	1.96E-05	3.38E-05	2.01E-06	2.05E-05	3.49E-05
363	2.17E-06	2.25E-05	3.64E-05	2.11E-06	2.11E-05	3.43E-05	2.10E-06	2.11E-05	3.58E-05	2.08E-06	1.96E-05	3.38E-05	2.01E-06	2.05E-05	3.49E-05
364	2.17E-06	2.25E-05	3.63E-05	2.11E-06	2.10E-05	3.43E-05	2.10E-06	2.11E-05	3.58E-05	2.07E-06	1.96E-05	3.38E-05	2.01E-06	2.05E-05	3.48E-05
365	2.17E-06	2.25E-05	3.62E-05	2.11E-06	2.10E-05	3.43E-05	2.10E-06	2.10E-05	3.58E-05	2.07E-06	1.96E-05	3.38E-05	2.01E-06	2.04E-05	3.48E-05
366	2.16E-06	2.25E-05	3.62E-05	2.11E-06	2.10E-05	3.42E-05	2.10E-06	2.09E-05	3.58E-05	2.07E-06	1.95E-05	3.38E-05	2.01E-06	2.04E-05	3.48E-05
367	2.16E-06	2.25E-05	3.62E-05	2.10E-06	2.09E-05	3.42E-05	2.09E-06	2.09E-05	3.57E-05	2.07E-06	1.95E-05	3.37E-05	2.00E-06	2.04E-05	3.48E-05
368	2.16E-06	2.25E-05	3.62E-05	2.10E-06	2.09E-05	3.41E-05	2.08E-06	2.09E-05	3.57E-05	2.07E-06	1.95E-05	3.37E-05	2.00E-06	2.02E-05	3.47E-05
369	2.16E-06	2.24E-05	3.62E-05	2.10E-06	2.09E-05	3.41E-05	2.08E-06	2.09E-05	3.57E-05	2.07E-06	1.94E-05	3.35E-05	2.00E-06	2.02E-05	3.47E-05
370	2.16E-06	2.24E-05	3.62E-05	2.10E-06	2.09E-05	3.40E-05	2.08E-06	2.08E-05	3.55E-05	2.06E-06	1.94E-05	3.35E-05	2.00E-06	2.02E-05	3.46E-05
371	2.16E-06	2.24E-05	3.61E-05	2.09E-06	2.08E-05	3.38E-05	2.07E-06	2.08E-05	3.53E-05	2.06E-06	1.94E-05	3.35E-05	2.00E-06	2.02E-05	3.46E-05
372	2.15E-06	2.23E-05	3.61E-05	2.09E-06	2.08E-05	3.38E-05	2.07E-06	2.08E-05	3.53E-05	2.06E-06	1.94E-05	3.34E-05	1.99E-06	2.01E-05	3.44E-05
373	2.15E-06	2.22E-05	3.61E-05	2.09E-06	2.08E-05	3.38E-05	2.07E-06	2.08E-05	3.52E-05	2.05E-06	1.93E-05	3.34E-05	1.99E-06	2.01E-05	3.44E-05
374	2.15E-06	2.22E-05	3.61E-05	2.07E-06	2.08E-05	3.37E-05	2.07E-06	2.08E-05	3.51E-05	2.05E-06	1.93E-05	3.34E-05	1.99E-06	2.01E-05	3.43E-05
375	2.14E-06	2.22E-05	3.60E-05	2.07E-06	2.08E-05	3.37E-05	2.06E-06	2.07E-05	3.50E-05	2.05E-06	1.93E-05	3.34E-05	1.98E-06	2.00E-05	3.42E-05
376	2.14E-06	2.22E-05	3.60E-05	2.07E-06	2.08E-05	3.37E-05	2.06E-06	2.05E-05	3.49E-05	2.05E-06	1.93E-05	3.33E-05	1.98E-06	2.00E-05	3.42E-05
377	2.14E-06	2.22E-05	3.60E-05	2.06E-06	2.07E-05	3.37E-05	2.06E-06	2.05E-05	3.48E-05	2.03E-06	1.93E-05	3.33E-05	1.98E-06	2.00E-05	3.41E-05
378	2.14E-06	2.21E-05	3.59E-05	2.06E-06	2.07E-05	3.37E-05	2.05E-06	2.05E-05	3.48E-05	2.03E-06	1.93E-05	3.33E-05	1.98E-06	2.00E-05	3.40E-05
379	2.13E-06	2.21E-05	3.59E-05	2.06E-06	2.06E-05	3.36E-05	2.05E-06	2.05E-05	3.47E-05	2.03E-06	1.93E-05	3.31E-05	1.98E-06	1.99E-05	3.39E-05
380	2.13E-06	2.21E-05	3.58E-05	2.05E-06	2.06E-05	3.36E-05	2.05E-06	2.05E-05	3.47E-05	2.03E-06	1.92E-05	3.30E-05	1.98E-06	1.99E-05	3.39E-05
381	2.13E-06	2.21E-05	3.58E-05	2.04E-06	2.06E-05	3.36E-05	2.05E-06	2.05E-05	3.46E-05	2.02E-06	1.92E-05	3.30E-05	1.97E-06	1.99E-05	3.38E-05
382	2.13E-06	2.21E-05	3.56E-05	2.03E-06	2.05E-05	3.36E-05	2.04E-06	2.04E-05	3.46E-05	2.02E-06	1.92E-05	3.29E-05	1.97E-06	1.99E-05	3.38E-05
383	2.13E-06	2.21E-05	3.56E-05	2.03E-06	2.04E-05	3.35E-05	2.04E-06	2.04E-05	3.46E-05	2.02E-06	1.91E-05	3.28E-05	1.97E-06	1.99E-05	3.38E-05
384	2.12E-06	2.20E-05	3.56E-05	2.03E-06	2.04E-05	3.35E-05	2.04E-06	2.04E-05	3.45E-05	2.02E-06	1.91E-05	3.27E-05	1.97E-06	1.98E-05	3.37E-05
385	2.12E-06	2.20E-05	3.56E-05	2.03E-06	2.04E-05	3.34E-05	2.03E-06	2.03E-05	3.44E-05	2.02E-06	1.91E-05	3.27E-05	1.96E-06	1.98E-05	3.37E-05
386	2.12E-06	2.20E-05	3.55E-05	2.03E-06	2.03E-05	3.34E-05	2.03E-06	2.03E-05	3.44E-05	2.01E-06	1.90E-05	3.25E-05	1.96E-06	1.98E-05	3.37E-05
387	2.12E-06	2.20E-05	3.54E-05	2.03E-06	2.03E-05	3.33E-05	2.03E-06	2.03E-05	3.44E-05	2.01E-06	1.90E-05	3.25E-05	1.96E-06	1.98E-05	3.36E-05
388	2.11E-06	2.20E-05	3.53E-05	2.03E-06	2.03E-05	3.33E-05	2.02E-06	2.02E-05	3.43E-05	2.01E-06	1.90E-05	3.25E-05	1.95E-06	1.98E-05	3.36E-05
389	2.11E-06	2.19E-05	3.53E-05	2.02E-06	2.03E-05	3.33E-05	2.02E-06	2.02E-05	3.41E-05	2.01E-06	1.90E-05	3.25E-05	1.95E-06	1.98E-05	3.36E-05
390	2.11E-06	2.19E-05	3.51E-05	2.02E-06	2.02E-05	3.33E-05	2.02E-06	2.02E-05	3.41E-05	2.01E-06	1.89E-05	3.24E-05	1.94E-06	1.98E-05	3.35E-05
391	2.11E-06	2.19E-05	3.51E-05	2.02E-06	2.02E-05	3.32E-05	2.02E-06	2.02E-05	3.41E-05	2.01E-06	1.89E-05	3.24E-05	1.94E-06	1.98E-05	3.35E-05
392	2.11E-06	2.19E-05	3.51E-05	2.02E-06	2.02E-05	3.32E-05	2.01E-06	2.01E-05	3.41E-05	2.01E-06	1.89E-05	3.24E-05	1.94E-06	1.98E-05	3.34E-05
393	2.10E-06	2.19E-05	3.50E-05	2.02E-06	2.02E-05	3.32E-05	2.01E-06	2.01E-05	3.41E-05	2.01E-06	1.89E-05	3.23E-05	1.93E-06	1.98E-05	3.33E-05
394	2.10E-06	2.19E-05	3.50E-05	2.02E-06	2.02E-05	3.32E-05	2.01E-06	2.01E-05	3.39E-05	2.01E-06	1.88E-05	3.23E-05	1.93E-06	1.97E-05	3.33E-05
395	2.10E-06	2.18E-05	3.50E-05	2.01E-06	2.02E-05	3.31E-05	2.01E-06	2.01E-05	3.39E-05	2.00E-06	1.88E-05	3.23E-05	1.93E-06	1.97E-05	3.33E-05
396	2.10E-06	2.18E-05	3.50E-05	2.01E-06	2.01E-05	3.31E-05	2.00E-06	2.01E-05	3.38E-05	2.00E-06	1.88E-05	3.21E-05	1.93E-06	1.97E-05	3.31E-05
397	2.09E-06	2.18E-05	3.50E-05	2.01E-06	2.01E-05	3.30E-05	2.00E-06	2.00E-05	3.38E-05	2.00E-06	1.88E-05	3.21E-05	1.93E-06	1.97E-05	3.31E-05
398	2.09E-06	2.18E-05	3.50E-05	2.01E-06	2.01E-05	3.30E-05	2.00E-06	2.00E-05	3.38E-05	2.00E-06	1.88E-05	3.20E-05	1.93E-06	1.97E-05	3.31E-05
399	2.09E-06	2.17E-05	3.48E-05	2.00E-06	2.00E-05	3.30E-05	1.99E-06	2.00E-05	3.38E-05	2.00E-06	1.87E-05	3.20E-05	1.92E-06	1.96E-05	3.30E-05
400	2.09E-06	2.16E-05	3.48E-05	2.00E-06	2.00E-05	3.29E-05	1.99E-06	2.00E-05	3.37E-05	1.99E-06	1.87E-05	3.18E-05	1.92E-06	1.96E-05	3.30E-05
401	2.09E-06	2.15E-05	3.47E-05	2.00E-06	2.00E-05	3.29E-05	1.99E-06	1.99E-05	3.36E-05	1.99E-06	1.87E-05	3.18E-05	1.92E-06	1.95E-05	3.30E-05
402	2.08E-06	2.15E-05	3.47E-05	1.99E-06	2.00E-05	3.28E-05	1.98E-06	1.99E-05	3.36E-05	1.99E-06	1.86E-05	3.18E-05	1.91E-06	1.95E-05	3.29E-05
403	2.08E-06	2.14E-05	3.46E-05	1.99E-06	1.99E-05	3.28E-05	1.98E-06	1.99E-05	3.36E-05	1.99E-06	1.86E-05	3.18E-05	1.91E-06	1.95E-05	3.29E-05
404	2.08E-06	2.14E-05	3.46E-05	1.99E-06	1.99E-05	3.28E-05	1.98E-06	1.97E-05	3.35E-05	1.99E-06	1.86E-05	3.17E-05	1.91E-06	1.95E-05	3.29E-05
405	2.08E-06	2.12E-05	3.46E-05	1.98E-06	1.99E-05	3.27E-05	1.98E-06	1.96E-05	3.35E-05	1.97E-06	1.86E-05	3.16E-05	1.91E-06	1.94E-05	3.29E-05
406	2.08E-06	2.11E-05	3.45E-05	1.98E-06	1.99E-05	3.27E-05	1.98E-06	1.96E-05	3.34E-05	1.97E-06	1.85E-05	3.15E-05	1.91E-06	1.94E-05	3.29E-05
407	2.08E-06	2.11E-05	3.45E-05	1.98E-06	1.98E-05	3.27E-05	1.97E-06	1.96E-05	3.33E-05	1.97E-06	1.85E-05	3.14E-05	1.91E-06	1.94E-05	3.28E-05
408	2.08E-06	2.11E-05	3.45E-05	1.98E-06	1.97E-05	3.27E-05	1.97E-06	1.96E-05	3.33E-05	1.96E-06					

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
412	2.07E-06	2.10E-05	3.42E-05	1.98E-06	1.96E-05	3.25E-05	1.96E-06	1.95E-05	3.33E-05	1.96E-06	1.84E-05	3.13E-05	1.90E-06	1.93E-05	3.25E-05
413	2.07E-06	2.09E-05	3.42E-05	1.98E-06	1.96E-05	3.24E-05	1.95E-06	1.95E-05	3.32E-05	1.95E-06	1.83E-05	3.13E-05	1.89E-06	1.93E-05	3.23E-05
414	2.06E-06	2.09E-05	3.42E-05	1.97E-06	1.96E-05	3.24E-05	1.95E-06	1.95E-05	3.32E-05	1.94E-06	1.83E-05	3.12E-05	1.89E-06	1.93E-05	3.22E-05
415	2.06E-06	2.09E-05	3.42E-05	1.97E-06	1.95E-05	3.23E-05	1.95E-06	1.95E-05	3.32E-05	1.94E-06	1.81E-05	3.11E-05	1.89E-06	1.92E-05	3.22E-05
416	2.06E-06	2.09E-05	3.41E-05	1.97E-06	1.95E-05	3.23E-05	1.95E-06	1.95E-05	3.31E-05	1.94E-06	1.81E-05	3.11E-05	1.89E-06	1.92E-05	3.22E-05
417	2.05E-06	2.09E-05	3.40E-05	1.97E-06	1.95E-05	3.23E-05	1.95E-06	1.94E-05	3.31E-05	1.94E-06	1.81E-05	3.10E-05	1.89E-06	1.91E-05	3.21E-05
418	2.05E-06	2.09E-05	3.40E-05	1.97E-06	1.94E-05	3.23E-05	1.94E-06	1.94E-05	3.31E-05	1.94E-06	1.80E-05	3.10E-05	1.89E-06	1.90E-05	3.21E-05
419	2.05E-06	2.08E-05	3.39E-05	1.97E-06	1.94E-05	3.22E-05	1.94E-06	1.94E-05	3.29E-05	1.94E-06	1.80E-05	3.10E-05	1.88E-06	1.89E-05	3.20E-05
420	2.04E-06	2.08E-05	3.38E-05	1.97E-06	1.94E-05	3.22E-05	1.94E-06	1.94E-05	3.28E-05	1.94E-06	1.80E-05	3.10E-05	1.88E-06	1.89E-05	3.20E-05
421	2.04E-06	2.08E-05	3.37E-05	1.97E-06	1.94E-05	3.20E-05	1.93E-06	1.94E-05	3.28E-05	1.94E-06	1.80E-05	3.09E-05	1.88E-06	1.89E-05	3.19E-05
422	2.04E-06	2.08E-05	3.37E-05	1.96E-06	1.93E-05	3.20E-05	1.93E-06	1.94E-05	3.28E-05	1.94E-06	1.80E-05	3.09E-05	1.87E-06	1.89E-05	3.19E-05
423	2.04E-06	2.07E-05	3.37E-05	1.96E-06	1.93E-05	3.19E-05	1.93E-06	1.94E-05	3.28E-05	1.93E-06	1.80E-05	3.07E-05	1.87E-06	1.89E-05	3.19E-05
424	2.04E-06	2.07E-05	3.36E-05	1.96E-06	1.93E-05	3.18E-05	1.93E-06	1.94E-05	3.27E-05	1.93E-06	1.79E-05	3.07E-05	1.87E-06	1.89E-05	3.18E-05
425	2.04E-06	2.07E-05	3.36E-05	1.96E-06	1.93E-05	3.18E-05	1.93E-06	1.94E-05	3.27E-05	1.93E-06	1.79E-05	3.06E-05	1.87E-06	1.89E-05	3.18E-05
426	2.04E-06	2.07E-05	3.35E-05	1.96E-06	1.92E-05	3.17E-05	1.93E-06	1.93E-05	3.27E-05	1.92E-06	1.79E-05	3.06E-05	1.87E-06	1.88E-05	3.18E-05
427	2.03E-06	2.07E-05	3.35E-05	1.96E-06	1.92E-05	3.16E-05	1.93E-06	1.93E-05	3.26E-05	1.92E-06	1.79E-05	3.05E-05	1.87E-06	1.88E-05	3.18E-05
428	2.03E-06	2.06E-05	3.35E-05	1.96E-06	1.92E-05	3.16E-05	1.93E-06	1.93E-05	3.25E-05	1.92E-06	1.78E-05	3.05E-05	1.87E-06	1.88E-05	3.17E-05
429	2.03E-06	2.06E-05	3.33E-05	1.95E-06	1.92E-05	3.16E-05	1.93E-06	1.93E-05	3.25E-05	1.92E-06	1.78E-05	3.04E-05	1.87E-06	1.87E-05	3.17E-05
430	2.02E-06	2.06E-05	3.33E-05	1.95E-06	1.92E-05	3.15E-05	1.93E-06	1.93E-05	3.25E-05	1.92E-06	1.78E-05	3.04E-05	1.87E-06	1.87E-05	3.17E-05
431	2.02E-06	2.06E-05	3.31E-05	1.95E-06	1.92E-05	3.15E-05	1.92E-06	1.92E-05	3.24E-05	1.92E-06	1.77E-05	3.04E-05	1.87E-06	1.87E-05	3.17E-05
432	2.02E-06	2.06E-05	3.31E-05	1.95E-06	1.91E-05	3.14E-05	1.92E-06	1.92E-05	3.24E-05	1.91E-06	1.77E-05	3.04E-05	1.86E-06	1.87E-05	3.16E-05
433	2.01E-06	2.06E-05	3.30E-05	1.95E-06	1.91E-05	3.14E-05	1.92E-06	1.92E-05	3.23E-05	1.91E-06	1.77E-05	3.04E-05	1.86E-06	1.87E-05	3.15E-05
434	2.01E-06	2.06E-05	3.30E-05	1.94E-06	1.91E-05	3.14E-05	1.92E-06	1.92E-05	3.23E-05	1.90E-06	1.77E-05	3.04E-05	1.86E-06	1.86E-05	3.15E-05
435	2.01E-06	2.05E-05	3.29E-05	1.94E-06	1.91E-05	3.14E-05	1.92E-06	1.91E-05	3.22E-05	1.90E-06	1.77E-05	3.03E-05	1.86E-06	1.86E-05	3.14E-05
436	2.01E-06	2.05E-05	3.29E-05	1.94E-06	1.91E-05	3.13E-05	1.92E-06	1.91E-05	3.22E-05	1.90E-06	1.77E-05	3.02E-05	1.86E-06	1.86E-05	3.10E-05
437	2.01E-06	2.04E-05	3.29E-05	1.94E-06	1.91E-05	3.13E-05	1.92E-06	1.91E-05	3.22E-05	1.90E-06	1.76E-05	3.02E-05	1.85E-06	1.86E-05	3.09E-05
438	2.01E-06	2.04E-05	3.28E-05	1.94E-06	1.91E-05	3.12E-05	1.91E-06	1.91E-05	3.21E-05	1.90E-06	1.76E-05	3.01E-05	1.85E-06	1.86E-05	3.09E-05
439	2.01E-06	2.04E-05	3.27E-05	1.93E-06	1.90E-05	3.12E-05	1.91E-06	1.91E-05	3.21E-05	1.90E-06	1.76E-05	3.01E-05	1.85E-06	1.85E-05	3.09E-05
440	2.00E-06	2.03E-05	3.27E-05	1.93E-06	1.90E-05	3.12E-05	1.90E-06	1.91E-05	3.21E-05	1.89E-06	1.76E-05	3.01E-05	1.85E-06	1.85E-05	3.09E-05
441	2.00E-06	2.02E-05	3.27E-05	1.93E-06	1.90E-05	3.12E-05	1.90E-06	1.91E-05	3.21E-05	1.89E-06	1.75E-05	3.01E-05	1.84E-06	1.85E-05	3.09E-05
442	2.00E-06	2.02E-05	3.26E-05	1.92E-06	1.90E-05	3.12E-05	1.90E-06	1.91E-05	3.20E-05	1.89E-06	1.75E-05	3.00E-05	1.84E-06	1.85E-05	3.09E-05
443	2.00E-06	2.02E-05	3.26E-05	1.92E-06	1.89E-05	3.11E-05	1.90E-06	1.90E-05	3.20E-05	1.89E-06	1.74E-05	3.00E-05	1.84E-06	1.85E-05	3.05E-05
444	2.00E-06	2.02E-05	3.25E-05	1.92E-06	1.88E-05	3.11E-05	1.90E-06	1.90E-05	3.20E-05	1.89E-06	1.74E-05	3.00E-05	1.84E-06	1.85E-05	3.05E-05
445	2.00E-06	2.02E-05	3.25E-05	1.92E-06	1.88E-05	3.11E-05	1.89E-06	1.90E-05	3.20E-05	1.88E-06	1.74E-05	2.99E-05	1.84E-06	1.85E-05	3.05E-05
446	1.99E-06	2.00E-05	3.25E-05	1.92E-06	1.88E-05	3.10E-05	1.89E-06	1.90E-05	3.20E-05	1.88E-06	1.74E-05	2.99E-05	1.84E-06	1.84E-05	3.04E-05
447	1.99E-06	2.00E-05	3.24E-05	1.92E-06	1.88E-05	3.10E-05	1.89E-06	1.90E-05	3.19E-05	1.88E-06	1.74E-05	2.99E-05	1.84E-06	1.84E-05	3.04E-05
448	1.99E-06	2.00E-05	3.24E-05	1.92E-06	1.88E-05	3.10E-05	1.89E-06	1.90E-05	3.19E-05	1.87E-06	1.74E-05	2.98E-05	1.84E-06	1.84E-05	3.04E-05
449	1.99E-06	2.00E-05	3.23E-05	1.91E-06	1.87E-05	3.10E-05	1.89E-06	1.89E-05	3.18E-05	1.87E-06	1.73E-05	2.98E-05	1.83E-06	1.84E-05	3.04E-05
450	1.99E-06	2.00E-05	3.22E-05	1.91E-06	1.87E-05	3.09E-05	1.89E-06	1.89E-05	3.18E-05	1.87E-06	1.73E-05	2.98E-05	1.83E-06	1.84E-05	3.03E-05
451	1.99E-06	2.00E-05	3.21E-05	1.90E-06	1.87E-05	3.09E-05	1.89E-06	1.89E-05	3.17E-05	1.87E-06	1.73E-05	2.98E-05	1.83E-06	1.83E-05	3.03E-05
452	1.99E-06	1.99E-05	3.21E-05	1.90E-06	1.86E-05	3.09E-05	1.89E-06	1.89E-05	3.17E-05	1.86E-06	1.73E-05	2.97E-05	1.82E-06	1.83E-05	3.03E-05
453	1.98E-06	1.99E-05	3.21E-05	1.90E-06	1.86E-05	3.08E-05	1.88E-06	1.89E-05	3.17E-05	1.86E-06	1.73E-05	2.96E-05	1.82E-06	1.83E-05	3.03E-05
454	1.98E-06	1.99E-05	3.21E-05	1.90E-06	1.86E-05	3.08E-05	1.88E-06	1.89E-05	3.16E-05	1.86E-06	1.73E-05	2.96E-05	1.82E-06	1.83E-05	3.02E-05
455	1.98E-06	1.99E-05	3.20E-05	1.89E-06	1.86E-05	3.08E-05	1.88E-06	1.89E-05	3.15E-05	1.86E-06	1.73E-05	2.95E-05	1.82E-06	1.82E-05	3.02E-05
456	1.98E-06	1.98E-05	3.20E-05	1.89E-06	1.86E-05	3.07E-05	1.88E-06	1.88E-05	3.14E-05	1.86E-06	1.73E-05	2.94E-05	1.82E-06	1.82E-05	3.02E-05
457	1.97E-06	1.98E-05	3.19E-05	1.89E-06	1.85E-05	3.07E-05	1.88E-06	1.88E-05	3.14E-05	1.86E-06	1.72E-05	2.94E-05	1.82E-06	1.81E-05	3.02E-05
458	1.96E-06	1.97E-05	3.18E-05	1.89E-06	1.85E-05	3.07E-05	1.87E-06	1.88E-05	3.13E-05	1.85E-06	1.72E-05	2.94E-05	1.81E-06	1.81E-05	3.02E-05
459	1.96E-06	1.97E-05	3.18E-05	1.88E-06	1.85E-05	3.07E-05	1.87E-06	1.88E-05	3.13E-05	1.85E-06	1.72E-05	2.94E-05	1.81E-06	1.81E-05	3.01E-05
460	1.96E-06	1.97E-05	3.17E-05	1.88E-06	1.85E-05	3.07E-05	1.87E-06	1.88E-05	3.13E-05	1.85E-06	1.72E-05	2.94E-05	1.81E-06	1.81E-05	3.00E-05
461	1.96E-06	1.97E-05	3.17E-05	1.88E-06	1.84E-05	3.06E-05	1.86E-06	1.88E-05	3.13E-05	1.85E-06	1.72E-05	2.93E-05	1.81E-06	1.80E-05	3.00E-05
462	1.96E-06	1.96E-05	3.17E-05	1.88E-06	1.84E-05	3.06E-05	1.86E-06	1.88E-05	3.13E-05	1.85E-06	1.72E-05	2.93E-05	1.80E-06	1.80E-05	3.00E-05
463	1.96E-06	1.96E-05	3.17E-05	1.88E-06	1.84E-05	3.06E-05	1.86E-06	1.87E-05	3.12E-05	1.85E-06	1.72E-05	2.93E-05	1.80E-06	1.80E-05	3.00E-05
464	1.96E-06	1.96E-05	3.17E-05	1.88E-06	1.84E-05	3.05E-05	1.86E-06	1.87E-05	3.12E-05	1.85E-06	1.72E-05	2.93E-05	1.80E-06	1.80E-05	3.00E-05
465	1.95E-06	1.95E-05	3.17E-05	1.88E-06	1.84E-05	3.05E-05	1.86E-06	1.87E-05	3.12E-05	1.85E-06	1.72E-05	2.92E-05	1.79E-06	1.79E-05	3.00E-05
466	1.95E-06	1.95E-05	3.16E-05	1.88E-06	1.84E-05	3.05E-05	1.86E-06	1.87E-05	3.12E-05	1.84E-06	1.72E-05	2.91E-05	1.79E-06	1.79E-05	2.98E-05
467	1.95E-06	1.95E-05	3.16E-05	1.88E-06	1.84E-05	3.04E-05	1.86E-06	1.87E-05	3.11E-05	1.84E-06	1.71E-05	2.91E-05	1.79E-06	1.79E-05	2.98E-05
468	1.95E-06	1.95E-05	3.16E-05	1.88E-06	1.83E-05	3.03E-05	1.86E-06	1.86E-05	3.11E-05	1.84E-06	1.71E-05	2.91E-05	1.78E-06	1.78E-05	2.97E-05
469	1.94E-06	1.95E-05	3.16E-05	1.88E-06	1.83E-05	3.03E-05	1.85E-06	1.86E-05	3.11E-05	1.84E-06	1.71E-05	2.89E-05	1.78E-06	1.78E-05	2.97E-05
470	1.94E-06	1.95E-05	3.16E-05	1.87E-06	1.83E-05	3.03E-05	1.85E-06	1.86E-05	3.10E-05	1.84E-06					

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
474	1.93E-06	1.93E-05	3.13E-05	1.87E-06	1.81E-05	3.03E-05	1.85E-06	1.85E-05	3.09E-05	1.83E-06	1.70E-05	2.87E-05	1.76E-06	1.77E-05	2.93E-05
475	1.93E-06	1.93E-05	3.12E-05	1.86E-06	1.81E-05	3.03E-05	1.85E-06	1.85E-05	3.08E-05	1.83E-06	1.70E-05	2.87E-05	1.76E-06	1.76E-05	2.92E-05
476	1.93E-06	1.93E-05	3.12E-05	1.86E-06	1.81E-05	3.03E-05	1.85E-06	1.85E-05	3.08E-05	1.83E-06	1.70E-05	2.87E-05	1.76E-06	1.76E-05	2.91E-05
477	1.93E-06	1.93E-05	3.12E-05	1.86E-06	1.81E-05	3.03E-05	1.85E-06	1.84E-05	3.08E-05	1.83E-06	1.69E-05	2.86E-05	1.76E-06	1.76E-05	2.91E-05
478	1.93E-06	1.93E-05	3.12E-05	1.86E-06	1.81E-05	3.02E-05	1.84E-06	1.84E-05	3.08E-05	1.82E-06	1.69E-05	2.86E-05	1.76E-06	1.76E-05	2.91E-05
479	1.93E-06	1.92E-05	3.12E-05	1.86E-06	1.81E-05	3.01E-05	1.84E-06	1.84E-05	3.07E-05	1.82E-06	1.69E-05	2.86E-05	1.76E-06	1.76E-05	2.91E-05
480	1.93E-06	1.92E-05	3.12E-05	1.85E-06	1.81E-05	3.00E-05	1.84E-06	1.84E-05	3.07E-05	1.82E-06	1.69E-05	2.86E-05	1.76E-06	1.76E-05	2.90E-05
481	1.93E-06	1.92E-05	3.12E-05	1.85E-06	1.81E-05	3.00E-05	1.83E-06	1.83E-05	3.07E-05	1.82E-06	1.69E-05	2.86E-05	1.76E-06	1.76E-05	2.90E-05
482	1.93E-06	1.92E-05	3.11E-05	1.85E-06	1.81E-05	2.99E-05	1.82E-06	1.83E-05	3.06E-05	1.81E-06	1.69E-05	2.86E-05	1.76E-06	1.75E-05	2.90E-05
483	1.93E-06	1.91E-05	3.11E-05	1.84E-06	1.80E-05	2.99E-05	1.82E-06	1.83E-05	3.06E-05	1.81E-06	1.68E-05	2.86E-05	1.75E-06	1.75E-05	2.89E-05
484	1.92E-06	1.91E-05	3.11E-05	1.84E-06	1.80E-05	2.98E-05	1.82E-06	1.82E-05	3.05E-05	1.81E-06	1.68E-05	2.85E-05	1.75E-06	1.75E-05	2.89E-05
485	1.92E-06	1.91E-05	3.10E-05	1.84E-06	1.80E-05	2.97E-05	1.82E-06	1.82E-05	3.04E-05	1.80E-06	1.68E-05	2.85E-05	1.75E-06	1.75E-05	2.89E-05
486	1.92E-06	1.91E-05	3.10E-05	1.83E-06	1.80E-05	2.97E-05	1.82E-06	1.82E-05	3.04E-05	1.79E-06	1.68E-05	2.84E-05	1.75E-06	1.75E-05	2.88E-05
487	1.92E-06	1.90E-05	3.10E-05	1.83E-06	1.80E-05	2.96E-05	1.81E-06	1.82E-05	3.04E-05	1.79E-06	1.68E-05	2.84E-05	1.74E-06	1.74E-05	2.88E-05
488	1.92E-06	1.90E-05	3.10E-05	1.83E-06	1.79E-05	2.96E-05	1.81E-06	1.82E-05	3.04E-05	1.78E-06	1.68E-05	2.84E-05	1.74E-06	1.74E-05	2.88E-05
489	1.92E-06	1.90E-05	3.09E-05	1.82E-06	1.79E-05	2.96E-05	1.81E-06	1.82E-05	3.04E-05	1.78E-06	1.68E-05	2.83E-05	1.74E-06	1.74E-05	2.88E-05
490	1.92E-06	1.90E-05	3.09E-05	1.82E-06	1.78E-05	2.95E-05	1.81E-06	1.82E-05	3.04E-05	1.78E-06	1.67E-05	2.83E-05	1.74E-06	1.74E-05	2.87E-05
491	1.92E-06	1.90E-05	3.09E-05	1.82E-06	1.78E-05	2.95E-05	1.80E-06	1.82E-05	3.03E-05	1.78E-06	1.67E-05	2.83E-05	1.74E-06	1.73E-05	2.87E-05
492	1.92E-06	1.90E-05	3.08E-05	1.82E-06	1.78E-05	2.94E-05	1.80E-06	1.81E-05	3.02E-05	1.78E-06	1.67E-05	2.82E-05	1.74E-06	1.73E-05	2.86E-05
493	1.91E-06	1.90E-05	3.08E-05	1.82E-06	1.78E-05	2.94E-05	1.80E-06	1.81E-05	3.01E-05	1.78E-06	1.67E-05	2.82E-05	1.74E-06	1.73E-05	2.86E-05
494	1.91E-06	1.90E-05	3.07E-05	1.81E-06	1.78E-05	2.94E-05	1.80E-06	1.81E-05	3.01E-05	1.78E-06	1.67E-05	2.82E-05	1.73E-06	1.73E-05	2.86E-05
495	1.91E-06	1.90E-05	3.07E-05	1.81E-06	1.77E-05	2.94E-05	1.80E-06	1.81E-05	3.01E-05	1.78E-06	1.67E-05	2.80E-05	1.73E-06	1.73E-05	2.85E-05
496	1.91E-06	1.89E-05	3.07E-05	1.81E-06	1.77E-05	2.94E-05	1.79E-06	1.81E-05	3.00E-05	1.78E-06	1.67E-05	2.80E-05	1.73E-06	1.73E-05	2.85E-05
497	1.91E-06	1.89E-05	3.06E-05	1.81E-06	1.77E-05	2.94E-05	1.79E-06	1.80E-05	3.00E-05	1.77E-06	1.66E-05	2.79E-05	1.73E-06	1.72E-05	2.85E-05
498	1.91E-06	1.88E-05	3.06E-05	1.81E-06	1.77E-05	2.94E-05	1.79E-06	1.80E-05	3.00E-05	1.77E-06	1.66E-05	2.78E-05	1.72E-06	1.72E-05	2.85E-05
499	1.91E-06	1.88E-05	3.06E-05	1.81E-06	1.77E-05	2.94E-05	1.79E-06	1.79E-05	2.98E-05	1.77E-06	1.66E-05	2.78E-05	1.72E-06	1.72E-05	2.85E-05
500	1.90E-06	1.88E-05	3.06E-05	1.81E-06	1.76E-05	2.93E-05	1.79E-06	1.79E-05	2.98E-05	1.76E-06	1.65E-05	2.78E-05	1.72E-06	1.72E-05	2.85E-05
501	1.90E-06	1.88E-05	3.06E-05	1.81E-06	1.76E-05	2.93E-05	1.78E-06	1.79E-05	2.98E-05	1.76E-06	1.65E-05	2.78E-05	1.72E-06	1.72E-05	2.84E-05
502	1.90E-06	1.88E-05	3.06E-05	1.80E-06	1.76E-05	2.93E-05	1.78E-06	1.79E-05	2.98E-05	1.75E-06	1.65E-05	2.77E-05	1.72E-06	1.72E-05	2.84E-05
503	1.90E-06	1.88E-05	3.05E-05	1.80E-06	1.76E-05	2.93E-05	1.78E-06	1.79E-05	2.98E-05	1.75E-06	1.64E-05	2.77E-05	1.72E-06	1.72E-05	2.84E-05
504	1.90E-06	1.88E-05	3.05E-05	1.80E-06	1.76E-05	2.93E-05	1.78E-06	1.79E-05	2.97E-05	1.75E-06	1.64E-05	2.76E-05	1.72E-06	1.72E-05	2.84E-05
505	1.90E-06	1.88E-05	3.04E-05	1.80E-06	1.76E-05	2.93E-05	1.78E-06	1.78E-05	2.97E-05	1.75E-06	1.64E-05	2.76E-05	1.71E-06	1.71E-05	2.84E-05
506	1.89E-06	1.88E-05	3.04E-05	1.79E-06	1.76E-05	2.93E-05	1.78E-06	1.78E-05	2.97E-05	1.75E-06	1.64E-05	2.76E-05	1.71E-06	1.71E-05	2.83E-05
507	1.89E-06	1.88E-05	3.04E-05	1.79E-06	1.76E-05	2.92E-05	1.77E-06	1.78E-05	2.97E-05	1.75E-06	1.64E-05	2.75E-05	1.71E-06	1.70E-05	2.83E-05
508	1.88E-06	1.88E-05	3.04E-05	1.79E-06	1.76E-05	2.92E-05	1.77E-06	1.77E-05	2.96E-05	1.75E-06	1.64E-05	2.75E-05	1.71E-06	1.70E-05	2.83E-05
509	1.88E-06	1.87E-05	3.03E-05	1.79E-06	1.75E-05	2.91E-05	1.77E-06	1.77E-05	2.95E-05	1.74E-06	1.63E-05	2.75E-05	1.71E-06	1.70E-05	2.80E-05
510	1.88E-06	1.87E-05	3.03E-05	1.78E-06	1.75E-05	2.91E-05	1.77E-06	1.77E-05	2.95E-05	1.74E-06	1.63E-05	2.74E-05	1.71E-06	1.69E-05	2.80E-05
511	1.88E-06	1.87E-05	3.03E-05	1.78E-06	1.75E-05	2.91E-05	1.77E-06	1.77E-05	2.95E-05	1.74E-06	1.63E-05	2.74E-05	1.71E-06	1.69E-05	2.80E-05
512	1.87E-06	1.87E-05	3.03E-05	1.77E-06	1.75E-05	2.91E-05	1.77E-06	1.76E-05	2.95E-05	1.74E-06	1.62E-05	2.74E-05	1.71E-06	1.69E-05	2.79E-05
513	1.87E-06	1.87E-05	3.03E-05	1.77E-06	1.75E-05	2.91E-05	1.77E-06	1.76E-05	2.95E-05	1.74E-06	1.62E-05	2.74E-05	1.70E-06	1.69E-05	2.79E-05
514	1.86E-06	1.86E-05	3.02E-05	1.77E-06	1.75E-05	2.91E-05	1.76E-06	1.75E-05	2.94E-05	1.74E-06	1.62E-05	2.73E-05	1.70E-06	1.69E-05	2.78E-05
515	1.86E-06	1.85E-05	3.02E-05	1.77E-06	1.75E-05	2.91E-05	1.76E-06	1.75E-05	2.93E-05	1.74E-06	1.62E-05	2.73E-05	1.70E-06	1.69E-05	2.77E-05
516	1.86E-06	1.84E-05	3.01E-05	1.77E-06	1.75E-05	2.91E-05	1.76E-06	1.75E-05	2.93E-05	1.74E-06	1.62E-05	2.73E-05	1.70E-06	1.69E-05	2.77E-05
517	1.86E-06	1.83E-05	3.01E-05	1.77E-06	1.75E-05	2.91E-05	1.76E-06	1.75E-05	2.93E-05	1.73E-06	1.62E-05	2.72E-05	1.69E-06	1.69E-05	2.77E-05
518	1.86E-06	1.83E-05	3.01E-05	1.77E-06	1.75E-05	2.90E-05	1.76E-06	1.75E-05	2.93E-05	1.73E-06	1.62E-05	2.72E-05	1.69E-06	1.68E-05	2.76E-05
519	1.85E-06	1.83E-05	3.00E-05	1.77E-06	1.74E-05	2.90E-05	1.76E-06	1.75E-05	2.93E-05	1.73E-06	1.62E-05	2.72E-05	1.69E-06	1.68E-05	2.76E-05
520	1.85E-06	1.83E-05	3.00E-05	1.77E-06	1.74E-05	2.89E-05	1.75E-06	1.74E-05	2.93E-05	1.73E-06	1.61E-05	2.72E-05	1.69E-06	1.68E-05	2.75E-05
521	1.85E-06	1.83E-05	3.00E-05	1.76E-06	1.74E-05	2.89E-05	1.75E-06	1.74E-05	2.92E-05	1.73E-06	1.61E-05	2.71E-05	1.69E-06	1.68E-05	2.75E-05
522	1.85E-06	1.83E-05	3.00E-05	1.76E-06	1.74E-05	2.88E-05	1.75E-06	1.74E-05	2.92E-05	1.72E-06	1.61E-05	2.71E-05	1.69E-06	1.67E-05	2.75E-05
523	1.84E-06	1.83E-05	3.00E-05	1.76E-06	1.73E-05	2.88E-05	1.75E-06	1.74E-05	2.92E-05	1.72E-06	1.61E-05	2.71E-05	1.68E-06	1.67E-05	2.74E-05
524	1.84E-06	1.82E-05	3.00E-05	1.76E-06	1.73E-05	2.88E-05	1.75E-06	1.74E-05	2.92E-05	1.72E-06	1.61E-05	2.71E-05	1.68E-06	1.67E-05	2.74E-05
525	1.84E-06	1.82E-05	3.00E-05	1.76E-06	1.73E-05	2.88E-05	1.75E-06	1.74E-05	2.92E-05	1.72E-06	1.60E-05	2.71E-05	1.68E-06	1.67E-05	2.74E-05
526	1.84E-06	1.82E-05	2.99E-05	1.76E-06	1.73E-05	2.87E-05	1.74E-06	1.74E-05	2.91E-05	1.71E-06	1.60E-05	2.70E-05	1.68E-06	1.67E-05	2.73E-05
527	1.84E-06	1.81E-05	2.99E-05	1.75E-06	1.73E-05	2.87E-05	1.74E-06	1.74E-05	2.91E-05	1.71E-06	1.60E-05	2.70E-05	1.68E-06	1.67E-05	2.73E-05
528	1.83E-06	1.81E-05	2.99E-05	1.75E-06	1.73E-05	2.87E-05	1.74E-06	1.73E-05	2.91E-05	1.71E-06	1.60E-05	2.70E-05	1.68E-06	1.67E-05	2.72E-05
529	1.83E-06	1.81E-05	2.99E-05	1.75E-06	1.72E-05	2.86E-05	1.74E-06	1.73E-05	2.90E-05	1.71E-06	1.60E-05	2.69E-05	1.68E-06	1.67E-05	2.72E-05
530	1.83E-06	1.81E-05	2.98E-05	1.75E-06	1.72E-05	2.86E-05	1.74E-06	1.73E-05	2.89E-05	1.71E-06	1.59E-05	2.69E-05	1.68E-06	1.66E-05	2.72E-05
531	1.83E-06	1.81E-05	2.98E-05	1.74E-06	1.72E-05	2.86E-05	1.73E-06	1.73E-05	2.89E-05	1.71E-06	1.59E-05	2.69E-05	1.68E-06	1.66E-05	2.71E-05
532	1.83E-06	1.80E-05	2.98E-05	1.74E-06	1.72E-05	2.85E-05	1.73E-06	1.73E-05	2.89E-05	1.71E-06					

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
536	1.83E-06	1.79E-05	2.96E-05	1.73E-06	1.72E-05	2.84E-05	1.72E-06	1.73E-05	2.88E-05	1.70E-06	1.58E-05	2.68E-05	1.66E-06	1.65E-05	2.70E-05
537	1.83E-06	1.79E-05	2.96E-05	1.73E-06	1.72E-05	2.84E-05	1.72E-06	1.72E-05	2.88E-05	1.69E-06	1.58E-05	2.68E-05	1.66E-06	1.65E-05	2.69E-05
538	1.83E-06	1.79E-05	2.96E-05	1.73E-06	1.71E-05	2.84E-05	1.72E-06	1.72E-05	2.88E-05	1.69E-06	1.58E-05	2.67E-05	1.66E-06	1.65E-05	2.69E-05
539	1.83E-06	1.79E-05	2.96E-05	1.73E-06	1.71E-05	2.84E-05	1.71E-06	1.72E-05	2.88E-05	1.69E-06	1.58E-05	2.67E-05	1.65E-06	1.65E-05	2.68E-05
540	1.82E-06	1.79E-05	2.96E-05	1.73E-06	1.71E-05	2.84E-05	1.71E-06	1.72E-05	2.86E-05	1.68E-06	1.58E-05	2.67E-05	1.65E-06	1.65E-05	2.68E-05
541	1.82E-06	1.79E-05	2.95E-05	1.73E-06	1.71E-05	2.84E-05	1.71E-06	1.71E-05	2.86E-05	1.68E-06	1.57E-05	2.67E-05	1.65E-06	1.65E-05	2.68E-05
542	1.82E-06	1.78E-05	2.95E-05	1.72E-06	1.71E-05	2.83E-05	1.71E-06	1.71E-05	2.85E-05	1.68E-06	1.57E-05	2.67E-05	1.65E-06	1.65E-05	2.68E-05
543	1.82E-06	1.78E-05	2.95E-05	1.72E-06	1.71E-05	2.83E-05	1.70E-06	1.71E-05	2.85E-05	1.68E-06	1.57E-05	2.67E-05	1.65E-06	1.64E-05	2.68E-05
544	1.82E-06	1.77E-05	2.94E-05	1.72E-06	1.71E-05	2.83E-05	1.70E-06	1.70E-05	2.84E-05	1.68E-06	1.57E-05	2.67E-05	1.65E-06	1.64E-05	2.67E-05
545	1.81E-06	1.77E-05	2.94E-05	1.72E-06	1.71E-05	2.82E-05	1.70E-06	1.70E-05	2.84E-05	1.68E-06	1.57E-05	2.67E-05	1.65E-06	1.64E-05	2.67E-05
546	1.81E-06	1.77E-05	2.94E-05	1.72E-06	1.71E-05	2.82E-05	1.70E-06	1.70E-05	2.84E-05	1.68E-06	1.57E-05	2.66E-05	1.65E-06	1.63E-05	2.67E-05
547	1.81E-06	1.77E-05	2.93E-05	1.71E-06	1.70E-05	2.82E-05	1.70E-06	1.70E-05	2.82E-05	1.68E-06	1.57E-05	2.66E-05	1.65E-06	1.63E-05	2.66E-05
548	1.81E-06	1.77E-05	2.93E-05	1.71E-06	1.70E-05	2.81E-05	1.70E-06	1.70E-05	2.82E-05	1.67E-06	1.56E-05	2.66E-05	1.65E-06	1.63E-05	2.66E-05
549	1.81E-06	1.76E-05	2.93E-05	1.71E-06	1.70E-05	2.81E-05	1.70E-06	1.70E-05	2.82E-05	1.67E-06	1.56E-05	2.66E-05	1.64E-06	1.63E-05	2.66E-05
550	1.80E-06	1.76E-05	2.93E-05	1.71E-06	1.70E-05	2.81E-05	1.70E-06	1.70E-05	2.82E-05	1.67E-06	1.56E-05	2.66E-05	1.64E-06	1.63E-05	2.66E-05
551	1.80E-06	1.76E-05	2.93E-05	1.71E-06	1.69E-05	2.80E-05	1.70E-06	1.70E-05	2.81E-05	1.67E-06	1.56E-05	2.65E-05	1.64E-06	1.63E-05	2.66E-05
552	1.80E-06	1.75E-05	2.93E-05	1.71E-06	1.69E-05	2.80E-05	1.70E-06	1.70E-05	2.81E-05	1.67E-06	1.56E-05	2.65E-05	1.64E-06	1.63E-05	2.66E-05
553	1.80E-06	1.75E-05	2.93E-05	1.71E-06	1.69E-05	2.80E-05	1.70E-06	1.69E-05	2.81E-05	1.67E-06	1.56E-05	2.65E-05	1.63E-06	1.62E-05	2.65E-05
554	1.80E-06	1.75E-05	2.92E-05	1.71E-06	1.69E-05	2.80E-05	1.69E-06	1.69E-05	2.81E-05	1.67E-06	1.55E-05	2.65E-05	1.63E-06	1.62E-05	2.65E-05
555	1.79E-06	1.74E-05	2.92E-05	1.71E-06	1.69E-05	2.80E-05	1.69E-06	1.69E-05	2.80E-05	1.66E-06	1.55E-05	2.64E-05	1.63E-06	1.62E-05	2.65E-05
556	1.79E-06	1.74E-05	2.92E-05	1.71E-06	1.69E-05	2.79E-05	1.69E-06	1.69E-05	2.79E-05	1.66E-06	1.55E-05	2.64E-05	1.63E-06	1.62E-05	2.65E-05
557	1.78E-06	1.74E-05	2.92E-05	1.70E-06	1.68E-05	2.79E-05	1.69E-06	1.68E-05	2.78E-05	1.66E-06	1.55E-05	2.64E-05	1.63E-06	1.62E-05	2.64E-05
558	1.78E-06	1.73E-05	2.91E-05	1.70E-06	1.68E-05	2.79E-05	1.69E-06	1.68E-05	2.78E-05	1.66E-06	1.55E-05	2.63E-05	1.63E-06	1.61E-05	2.64E-05
559	1.78E-06	1.73E-05	2.91E-05	1.70E-06	1.68E-05	2.79E-05	1.69E-06	1.68E-05	2.78E-05	1.65E-06	1.55E-05	2.63E-05	1.63E-06	1.61E-05	2.64E-05
560	1.78E-06	1.73E-05	2.91E-05	1.70E-06	1.68E-05	2.78E-05	1.68E-06	1.68E-05	2.78E-05	1.65E-06	1.54E-05	2.63E-05	1.63E-06	1.61E-05	2.63E-05
561	1.78E-06	1.73E-05	2.91E-05	1.70E-06	1.68E-05	2.78E-05	1.68E-06	1.68E-05	2.77E-05	1.65E-06	1.54E-05	2.63E-05	1.62E-06	1.61E-05	2.63E-05
562	1.78E-06	1.73E-05	2.91E-05	1.70E-06	1.67E-05	2.78E-05	1.68E-06	1.68E-05	2.77E-05	1.65E-06	1.54E-05	2.63E-05	1.62E-06	1.60E-05	2.63E-05
563	1.77E-06	1.73E-05	2.90E-05	1.70E-06	1.67E-05	2.77E-05	1.68E-06	1.67E-05	2.77E-05	1.65E-06	1.54E-05	2.63E-05	1.62E-06	1.60E-05	2.63E-05
564	1.77E-06	1.73E-05	2.90E-05	1.70E-06	1.67E-05	2.77E-05	1.68E-06	1.67E-05	2.77E-05	1.65E-06	1.54E-05	2.63E-05	1.62E-06	1.60E-05	2.62E-05
565	1.77E-06	1.72E-05	2.90E-05	1.70E-06	1.67E-05	2.77E-05	1.68E-06	1.67E-05	2.76E-05	1.65E-06	1.54E-05	2.62E-05	1.62E-06	1.60E-05	2.62E-05
566	1.77E-06	1.72E-05	2.90E-05	1.70E-06	1.67E-05	2.77E-05	1.68E-06	1.67E-05	2.76E-05	1.64E-06	1.54E-05	2.62E-05	1.62E-06	1.60E-05	2.62E-05
567	1.77E-06	1.72E-05	2.90E-05	1.70E-06	1.67E-05	2.77E-05	1.67E-06	1.67E-05	2.76E-05	1.64E-06	1.54E-05	2.61E-05	1.62E-06	1.59E-05	2.62E-05
568	1.77E-06	1.72E-05	2.89E-05	1.69E-06	1.67E-05	2.77E-05	1.67E-06	1.67E-05	2.76E-05	1.64E-06	1.54E-05	2.61E-05	1.62E-06	1.59E-05	2.62E-05
569	1.76E-06	1.72E-05	2.89E-05	1.69E-06	1.66E-05	2.76E-05	1.67E-06	1.67E-05	2.76E-05	1.64E-06	1.53E-05	2.61E-05	1.62E-06	1.59E-05	2.62E-05
570	1.76E-06	1.72E-05	2.89E-05	1.69E-06	1.66E-05	2.76E-05	1.67E-06	1.66E-05	2.75E-05	1.64E-06	1.53E-05	2.61E-05	1.62E-06	1.59E-05	2.62E-05
571	1.76E-06	1.72E-05	2.89E-05	1.69E-06	1.66E-05	2.76E-05	1.67E-06	1.65E-05	2.75E-05	1.63E-06	1.53E-05	2.61E-05	1.61E-06	1.59E-05	2.61E-05
572	1.76E-06	1.71E-05	2.89E-05	1.69E-06	1.66E-05	2.76E-05	1.66E-06	1.65E-05	2.75E-05	1.63E-06	1.53E-05	2.61E-05	1.61E-06	1.59E-05	2.61E-05
573	1.76E-06	1.71E-05	2.89E-05	1.69E-06	1.66E-05	2.75E-05	1.66E-06	1.65E-05	2.74E-05	1.63E-06	1.53E-05	2.61E-05	1.61E-06	1.59E-05	2.60E-05
574	1.76E-06	1.71E-05	2.89E-05	1.69E-06	1.66E-05	2.75E-05	1.66E-06	1.65E-05	2.74E-05	1.62E-06	1.53E-05	2.60E-05	1.61E-06	1.58E-05	2.60E-05
575	1.76E-06	1.71E-05	2.89E-05	1.69E-06	1.65E-05	2.75E-05	1.66E-06	1.65E-05	2.74E-05	1.62E-06	1.52E-05	2.60E-05	1.61E-06	1.58E-05	2.60E-05
576	1.75E-06	1.71E-05	2.88E-05	1.69E-06	1.65E-05	2.74E-05	1.66E-06	1.65E-05	2.74E-05	1.62E-06	1.52E-05	2.60E-05	1.60E-06	1.58E-05	2.60E-05
577	1.75E-06	1.71E-05	2.88E-05	1.68E-06	1.65E-05	2.74E-05	1.66E-06	1.65E-05	2.74E-05	1.62E-06	1.52E-05	2.60E-05	1.60E-06	1.58E-05	2.59E-05
578	1.75E-06	1.70E-05	2.87E-05	1.68E-06	1.65E-05	2.74E-05	1.66E-06	1.65E-05	2.73E-05	1.62E-06	1.51E-05	2.60E-05	1.60E-06	1.58E-05	2.59E-05
579	1.75E-06	1.70E-05	2.87E-05	1.68E-06	1.65E-05	2.74E-05	1.65E-06	1.65E-05	2.73E-05	1.62E-06	1.51E-05	2.60E-05	1.60E-06	1.58E-05	2.59E-05
580	1.75E-06	1.70E-05	2.87E-05	1.68E-06	1.64E-05	2.73E-05	1.65E-06	1.65E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.60E-06	1.58E-05	2.59E-05
581	1.75E-06	1.70E-05	2.86E-05	1.68E-06	1.64E-05	2.73E-05	1.65E-06	1.65E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.60E-06	1.58E-05	2.59E-05
582	1.75E-06	1.70E-05	2.86E-05	1.68E-06	1.64E-05	2.73E-05	1.65E-06	1.64E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.60E-06	1.58E-05	2.59E-05
583	1.75E-06	1.70E-05	2.86E-05	1.67E-06	1.64E-05	2.73E-05	1.65E-06	1.64E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.59E-06	1.58E-05	2.59E-05
584	1.75E-06	1.69E-05	2.85E-05	1.67E-06	1.63E-05	2.73E-05	1.65E-06	1.64E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.59E-06	1.58E-05	2.58E-05
585	1.75E-06	1.69E-05	2.85E-05	1.67E-06	1.63E-05	2.73E-05	1.65E-06	1.64E-05	2.73E-05	1.62E-06	1.51E-05	2.59E-05	1.59E-06	1.57E-05	2.58E-05
586	1.75E-06	1.69E-05	2.85E-05	1.67E-06	1.63E-05	2.73E-05	1.65E-06	1.64E-05	2.72E-05	1.62E-06	1.51E-05	2.59E-05	1.59E-06	1.57E-05	2.58E-05
587	1.74E-06	1.69E-05	2.85E-05	1.67E-06	1.63E-05	2.73E-05	1.64E-06	1.64E-05	2.72E-05	1.62E-06	1.51E-05	2.58E-05	1.59E-06	1.57E-05	2.57E-05
588	1.74E-06	1.69E-05	2.85E-05	1.66E-06	1.63E-05	2.72E-05	1.64E-06	1.64E-05	2.72E-05	1.61E-06	1.51E-05	2.58E-05	1.59E-06	1.57E-05	2.57E-05
589	1.74E-06	1.69E-05	2.85E-05	1.66E-06	1.62E-05	2.72E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06	1.51E-05	2.58E-05	1.59E-06	1.56E-05	2.57E-05
590	1.74E-06	1.69E-05	2.85E-05	1.66E-06	1.62E-05	2.72E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06	1.51E-05	2.57E-05	1.58E-06	1.56E-05	2.57E-05
591	1.73E-06	1.69E-05	2.85E-05	1.66E-06	1.62E-05	2.72E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06	1.51E-05	2.57E-05	1.58E-06	1.55E-05	2.56E-05
592	1.73E-06	1.68E-05	2.85E-05	1.66E-06	1.62E-05	2.72E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06	1.51E-05	2.57E-05	1.58E-06	1.55E-05	2.56E-05
593	1.73E-06	1.68E-05	2.84E-05	1.65E-06	1.62E-05	2.72E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06	1.50E-05	2.56E-05	1.58E-06	1.55E-05	2.56E-05
594	1.73E-06	1.68E-05	2.84E-05	1.65E-06	1.62E-05	2.71E-05	1.63E-06	1.64E-05	2.72E-05	1.61E-06					

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,218	1.14E-06	1.06E-05	1.88E-05	1.12E-06	1.05E-05	1.81E-05	1.09E-06	1.04E-05	1.79E-05	1.04E-06	9.23E-06	1.68E-05	1.04E-06	9.61E-06	1.70E-05
1,219	1.13E-06	1.06E-05	1.88E-05	1.12E-06	1.05E-05	1.81E-05	1.09E-06	1.04E-05	1.79E-05	1.04E-06	9.23E-06	1.68E-05	1.04E-06	9.61E-06	1.69E-05
1,220	1.13E-06	1.06E-05	1.88E-05	1.12E-06	1.05E-05	1.81E-05	1.09E-06	1.04E-05	1.79E-05	1.04E-06	9.23E-06	1.68E-05	1.03E-06	9.61E-06	1.69E-05
1,221	1.13E-06	1.06E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.79E-05	1.04E-06	9.21E-06	1.68E-05	1.03E-06	9.60E-06	1.69E-05
1,222	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.79E-05	1.04E-06	9.20E-06	1.68E-05	1.03E-06	9.59E-06	1.69E-05
1,223	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.78E-05	1.04E-06	9.20E-06	1.68E-05	1.03E-06	9.58E-06	1.69E-05
1,224	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.78E-05	1.04E-06	9.19E-06	1.68E-05	1.03E-06	9.57E-06	1.69E-05
1,225	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.78E-05	1.04E-06	9.19E-06	1.68E-05	1.03E-06	9.57E-06	1.69E-05
1,226	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.78E-05	1.03E-06	9.19E-06	1.68E-05	1.03E-06	9.57E-06	1.69E-05
1,227	1.13E-06	1.05E-05	1.88E-05	1.12E-06	1.05E-05	1.80E-05	1.09E-06	1.04E-05	1.78E-05	1.03E-06	9.18E-06	1.67E-05	1.03E-06	9.56E-06	1.69E-05
1,228	1.13E-06	1.05E-05	1.88E-05	1.11E-06	1.04E-05	1.80E-05	1.09E-06	1.03E-05	1.78E-05	1.03E-06	9.18E-06	1.67E-05	1.03E-06	9.56E-06	1.69E-05
1,229	1.13E-06	1.05E-05	1.88E-05	1.11E-06	1.04E-05	1.80E-05	1.09E-06	1.03E-05	1.78E-05	1.03E-06	9.18E-06	1.67E-05	1.03E-06	9.55E-06	1.69E-05
1,230	1.13E-06	1.05E-05	1.88E-05	1.11E-06	1.04E-05	1.80E-05	1.09E-06	1.03E-05	1.78E-05	1.03E-06	9.17E-06	1.67E-05	1.03E-06	9.53E-06	1.69E-05
1,231	1.13E-06	1.05E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.09E-06	1.03E-05	1.78E-05	1.03E-06	9.17E-06	1.67E-05	1.03E-06	9.52E-06	1.69E-05
1,232	1.13E-06	1.05E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.78E-05	1.03E-06	9.16E-06	1.67E-05	1.03E-06	9.52E-06	1.69E-05
1,233	1.13E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.78E-05	1.03E-06	9.15E-06	1.67E-05	1.03E-06	9.52E-06	1.68E-05
1,234	1.13E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.78E-05	1.03E-06	9.13E-06	1.67E-05	1.03E-06	9.51E-06	1.68E-05
1,235	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.77E-05	1.03E-06	9.13E-06	1.67E-05	1.02E-06	9.51E-06	1.68E-05
1,236	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.77E-05	1.03E-06	9.12E-06	1.66E-05	1.02E-06	9.50E-06	1.68E-05
1,237	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.77E-05	1.03E-06	9.12E-06	1.66E-05	1.02E-06	9.50E-06	1.68E-05
1,238	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.77E-05	1.03E-06	9.11E-06	1.66E-05	1.02E-06	9.50E-06	1.67E-05
1,239	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.79E-05	1.08E-06	1.03E-05	1.77E-05	1.03E-06	9.11E-06	1.66E-05	1.02E-06	9.49E-06	1.67E-05
1,240	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.78E-05	1.08E-06	1.03E-05	1.77E-05	1.02E-06	9.10E-06	1.66E-05	1.02E-06	9.49E-06	1.67E-05
1,241	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.78E-05	1.08E-06	1.03E-05	1.77E-05	1.02E-06	9.09E-06	1.66E-05	1.02E-06	9.49E-06	1.67E-05
1,242	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.78E-05	1.08E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.66E-05	1.02E-06	9.48E-06	1.67E-05
1,243	1.12E-06	1.04E-05	1.87E-05	1.11E-06	1.04E-05	1.78E-05	1.08E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.66E-05	1.02E-06	9.48E-06	1.67E-05
1,244	1.12E-06	1.04E-05	1.87E-05	1.10E-06	1.04E-05	1.78E-05	1.08E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.66E-05	1.02E-06	9.47E-06	1.67E-05
1,245	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.08E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.65E-05	1.02E-06	9.45E-06	1.67E-05
1,246	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.07E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.65E-05	1.02E-06	9.45E-06	1.67E-05
1,247	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.07E-06	1.02E-05	1.77E-05	1.02E-06	9.08E-06	1.65E-05	1.02E-06	9.45E-06	1.67E-05
1,248	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.07E-06	1.02E-05	1.77E-05	1.02E-06	9.07E-06	1.65E-05	1.02E-06	9.44E-06	1.67E-05
1,249	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.07E-06	1.65E-05	1.02E-06	9.42E-06	1.67E-05
1,250	1.12E-06	1.04E-05	1.86E-05	1.10E-06	1.04E-05	1.78E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.07E-06	1.65E-05	1.02E-06	9.42E-06	1.67E-05
1,251	1.12E-06	1.03E-05	1.85E-05	1.10E-06	1.04E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.06E-06	1.65E-05	1.02E-06	9.42E-06	1.66E-05
1,252	1.12E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.06E-06	1.65E-05	1.02E-06	9.41E-06	1.66E-05
1,253	1.12E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.05E-06	1.65E-05	1.02E-06	9.41E-06	1.66E-05
1,254	1.12E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.02E-06	9.04E-06	1.64E-05	1.02E-06	9.39E-06	1.66E-05
1,255	1.11E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.01E-06	9.04E-06	1.64E-05	1.02E-06	9.39E-06	1.66E-05
1,256	1.11E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.01E-06	9.04E-06	1.64E-05	1.02E-06	9.39E-06	1.66E-05
1,257	1.11E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.02E-05	1.76E-05	1.01E-06	9.04E-06	1.64E-05	1.01E-06	9.39E-06	1.66E-05
1,258	1.11E-06	1.03E-05	1.85E-05	1.10E-06	1.03E-05	1.77E-05	1.07E-06	1.01E-05	1.76E-05	1.01E-06	9.04E-06	1.64E-05	1.01E-06	9.38E-06	1.66E-05
1,259	1.11E-06	1.03E-05	1.85E-05	1.10E-06	1.02E-05	1.77E-05	1.07E-06	1.01E-05	1.76E-05	1.01E-06	9.03E-06	1.64E-05	1.01E-06	9.38E-06	1.66E-05
1,260	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.77E-05	1.07E-06	1.01E-05	1.76E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.38E-06	1.66E-05
1,261	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.07E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.37E-06	1.66E-05
1,262	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.36E-06	1.65E-05
1,263	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.36E-06	1.65E-05
1,264	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.35E-06	1.65E-05
1,265	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.35E-06	1.65E-05
1,266	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.02E-06	1.64E-05	1.01E-06	9.35E-06	1.65E-05
1,267	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.00E-06	1.63E-05	1.01E-06	9.33E-06	1.65E-05
1,268	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	9.00E-06	1.63E-05	1.01E-06	9.32E-06	1.65E-05
1,269	1.11E-06	1.03E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	8.99E-06	1.63E-05	1.01E-06	9.31E-06	1.65E-05
1,270	1.10E-06	1.02E-05	1.84E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	8.99E-06	1.63E-05	1.01E-06	9.30E-06	1.65E-05
1,271	1.10E-06	1.02E-05	1.83E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	8.98E-06	1.63E-05	1.01E-06	9.30E-06	1.65E-05
1,272	1.10E-06	1.02E-05	1.83E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.01E-05	1.75E-05	1.01E-06	8.98E-06	1.63E-05	1.01E-06	9.29E-06	1.65E-05
1,273	1.10E-06	1.02E-05	1.83E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.00E-05	1.74E-05	1.01E-06	8.98E-06	1.63E-05	1.01E-06	9.27E-06	1.65E-05
1,274	1.10E-06	1.02E-05	1.83E-05	1.09E-06	1.02E-05	1.76E-05	1.06E-06	1.00E-05	1.74E-05	1.01E-06	8.98E-06	1.63E-05	1.01E-06	9.27E-06	1.65E-05
1,275	1.10E-06	1.02E-05	1.83E-05	1.09E-06	1.02E-05	1.75E-05	1.06E-06	1.00E-05	1.74E-05	1.01E-06	8.97E-06	1.63E-05	1.01E-06	9.27E-06	1.65E-05
1,276	1.10E-06														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,280	1.10E-06	1.02E-05	1.83E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	1.00E-05	1.74E-05	1.00E-06	8.95E-06	1.62E-05	1.00E-06	9.21E-06	1.64E-05
1,281	1.10E-06	1.02E-05	1.83E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	1.00E-06	8.94E-06	1.62E-05	1.00E-06	9.21E-06	1.64E-05
1,282	1.10E-06	1.02E-05	1.83E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	1.00E-06	8.94E-06	1.62E-05	1.00E-06	9.20E-06	1.64E-05
1,283	1.10E-06	1.02E-05	1.83E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	1.00E-06	8.94E-06	1.62E-05	1.00E-06	9.20E-06	1.64E-05
1,284	1.10E-06	1.02E-05	1.83E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	1.00E-06	8.94E-06	1.62E-05	1.00E-06	9.20E-06	1.64E-05
1,285	1.10E-06	1.02E-05	1.82E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	1.00E-06	8.94E-06	1.62E-05	9.99E-07	9.19E-06	1.64E-05
1,286	1.10E-06	1.02E-05	1.82E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.99E-06	1.74E-05	9.98E-07	8.93E-06	1.62E-05	9.99E-07	9.19E-06	1.64E-05
1,287	1.10E-06	1.02E-05	1.82E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.98E-06	1.73E-05	9.98E-07	8.93E-06	1.62E-05	9.99E-07	9.19E-06	1.64E-05
1,288	1.10E-06	1.02E-05	1.82E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.98E-06	1.73E-05	9.98E-07	8.92E-06	1.62E-05	9.99E-07	9.15E-06	1.64E-05
1,289	1.10E-06	1.02E-05	1.82E-05	1.08E-06	1.01E-05	1.75E-05	1.05E-06	9.97E-06	1.73E-05	9.97E-07	8.92E-06	1.62E-05	9.99E-07	9.14E-06	1.64E-05
1,290	1.10E-06	1.02E-05	1.82E-05	1.07E-06	1.01E-05	1.75E-05	1.05E-06	9.97E-06	1.73E-05	9.96E-07	8.91E-06	1.62E-05	9.97E-07	9.13E-06	1.63E-05
1,291	1.09E-06	1.02E-05	1.82E-05	1.07E-06	1.01E-05	1.75E-05	1.05E-06	9.96E-06	1.73E-05	9.94E-07	8.90E-06	1.61E-05	9.97E-07	9.13E-06	1.63E-05
1,292	1.09E-06	1.02E-05	1.81E-05	1.07E-06	1.00E-05	1.75E-05	1.05E-06	9.96E-06	1.73E-05	9.94E-07	8.89E-06	1.61E-05	9.95E-07	9.11E-06	1.63E-05
1,293	1.09E-06	1.02E-05	1.81E-05	1.07E-06	1.00E-05	1.75E-05	1.05E-06	9.95E-06	1.73E-05	9.94E-07	8.89E-06	1.61E-05	9.94E-07	9.10E-06	1.63E-05
1,294	1.09E-06	1.02E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.93E-06	1.73E-05	9.93E-07	8.89E-06	1.61E-05	9.94E-07	9.09E-06	1.63E-05
1,295	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.93E-06	1.73E-05	9.91E-07	8.88E-06	1.61E-05	9.93E-07	9.08E-06	1.63E-05
1,296	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.92E-06	1.73E-05	9.90E-07	8.86E-06	1.61E-05	9.93E-07	9.08E-06	1.63E-05
1,297	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.91E-06	1.73E-05	9.90E-07	8.85E-06	1.61E-05	9.92E-07	9.08E-06	1.63E-05
1,298	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.90E-06	1.73E-05	9.89E-07	8.85E-06	1.61E-05	9.92E-07	9.08E-06	1.63E-05
1,299	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.90E-06	1.72E-05	9.89E-07	8.85E-06	1.61E-05	9.91E-07	9.08E-06	1.63E-05
1,300	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.90E-06	1.72E-05	9.89E-07	8.85E-06	1.60E-05	9.90E-07	9.08E-06	1.63E-05
1,301	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.89E-06	1.72E-05	9.89E-07	8.85E-06	1.60E-05	9.89E-07	9.07E-06	1.63E-05
1,302	1.09E-06	1.01E-05	1.81E-05	1.07E-06	1.00E-05	1.74E-05	1.05E-06	9.89E-06	1.72E-05	9.88E-07	8.84E-06	1.60E-05	9.89E-07	9.06E-06	1.62E-05
1,303	1.09E-06	1.01E-05	1.81E-05	1.07E-06	9.99E-06	1.74E-05	1.04E-06	9.88E-06	1.72E-05	9.87E-07	8.84E-06	1.60E-05	9.88E-07	9.05E-06	1.62E-05
1,304	1.09E-06	1.01E-05	1.81E-05	1.07E-06	9.98E-06	1.74E-05	1.04E-06	9.88E-06	1.72E-05	9.87E-07	8.83E-06	1.60E-05	9.88E-07	9.05E-06	1.62E-05
1,305	1.09E-06	1.01E-05	1.80E-05	1.07E-06	9.98E-06	1.74E-05	1.04E-06	9.87E-06	1.72E-05	9.86E-07	8.82E-06	1.60E-05	9.87E-07	9.03E-06	1.61E-05
1,306	1.09E-06	1.01E-05	1.80E-05	1.07E-06	9.98E-06	1.74E-05	1.04E-06	9.87E-06	1.72E-05	9.85E-07	8.82E-06	1.60E-05	9.86E-07	9.02E-06	1.61E-05
1,307	1.09E-06	1.01E-05	1.80E-05	1.07E-06	9.96E-06	1.73E-05	1.04E-06	9.87E-06	1.71E-05	9.85E-07	8.81E-06	1.60E-05	9.86E-07	9.02E-06	1.61E-05
1,308	1.09E-06	1.01E-05	1.80E-05	1.07E-06	9.96E-06	1.73E-05	1.04E-06	9.87E-06	1.71E-05	9.84E-07	8.81E-06	1.60E-05	9.85E-07	9.02E-06	1.61E-05
1,309	1.09E-06	1.01E-05	1.80E-05	1.07E-06	9.94E-06	1.73E-05	1.04E-06	9.87E-06	1.71E-05	9.84E-07	8.81E-06	1.60E-05	9.85E-07	9.02E-06	1.61E-05
1,310	1.09E-06	1.01E-05	1.80E-05	1.06E-06	9.93E-06	1.73E-05	1.04E-06	9.86E-06	1.71E-05	9.84E-07	8.81E-06	1.60E-05	9.84E-07	9.01E-06	1.61E-05
1,311	1.09E-06	1.01E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.04E-06	9.86E-06	1.71E-05	9.84E-07	8.80E-06	1.59E-05	9.84E-07	9.01E-06	1.61E-05
1,312	1.09E-06	1.00E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.04E-06	9.85E-06	1.71E-05	9.84E-07	8.79E-06	1.59E-05	9.82E-07	9.00E-06	1.61E-05
1,313	1.09E-06	1.00E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.04E-06	9.85E-06	1.71E-05	9.83E-07	8.79E-06	1.59E-05	9.81E-07	9.00E-06	1.61E-05
1,314	1.09E-06	1.00E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.03E-06	9.84E-06	1.71E-05	9.83E-07	8.79E-06	1.59E-05	9.81E-07	9.00E-06	1.61E-05
1,315	1.09E-06	1.00E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.03E-06	9.84E-06	1.71E-05	9.83E-07	8.79E-06	1.59E-05	9.80E-07	9.00E-06	1.61E-05
1,316	1.09E-06	1.00E-05	1.80E-05	1.06E-06	9.92E-06	1.73E-05	1.03E-06	9.84E-06	1.71E-05	9.83E-07	8.77E-06	1.59E-05	9.79E-07	9.00E-06	1.61E-05
1,317	1.09E-06	1.00E-05	1.79E-05	1.06E-06	9.91E-06	1.73E-05	1.03E-06	9.84E-06	1.71E-05	9.82E-07	8.77E-06	1.59E-05	9.79E-07	9.00E-06	1.61E-05
1,318	1.09E-06	1.00E-05	1.79E-05	1.06E-06	9.91E-06	1.73E-05	1.03E-06	9.83E-06	1.71E-05	9.82E-07	8.77E-06	1.59E-05	9.79E-07	8.99E-06	1.60E-05
1,319	1.08E-06	1.00E-05	1.79E-05	1.06E-06	9.89E-06	1.73E-05	1.03E-06	9.82E-06	1.71E-05	9.81E-07	8.77E-06	1.59E-05	9.78E-07	8.99E-06	1.60E-05
1,320	1.08E-06	9.99E-06	1.79E-05	1.06E-06	9.89E-06	1.73E-05	1.03E-06	9.82E-06	1.71E-05	9.81E-07	8.77E-06	1.59E-05	9.78E-07	8.98E-06	1.60E-05
1,321	1.08E-06	9.96E-06	1.79E-05	1.06E-06	9.88E-06	1.72E-05	1.03E-06	9.81E-06	1.71E-05	9.81E-07	8.75E-06	1.59E-05	9.77E-07	8.98E-06	1.60E-05
1,322	1.08E-06	9.96E-06	1.79E-05	1.06E-06	9.88E-06	1.72E-05	1.03E-06	9.81E-06	1.70E-05	9.79E-07	8.75E-06	1.58E-05	9.77E-07	8.97E-06	1.60E-05
1,323	1.08E-06	9.94E-06	1.79E-05	1.06E-06	9.88E-06	1.72E-05	1.03E-06	9.81E-06	1.70E-05	9.79E-07	8.75E-06	1.58E-05	9.76E-07	8.95E-06	1.60E-05
1,324	1.08E-06	9.94E-06	1.79E-05	1.06E-06	9.86E-06	1.72E-05	1.03E-06	9.80E-06	1.70E-05	9.78E-07	8.75E-06	1.58E-05	9.74E-07	8.95E-06	1.60E-05
1,325	1.08E-06	9.93E-06	1.79E-05	1.06E-06	9.86E-06	1.72E-05	1.03E-06	9.80E-06	1.70E-05	9.76E-07	8.75E-06	1.58E-05	9.73E-07	8.94E-06	1.60E-05
1,326	1.08E-06	9.93E-06	1.79E-05	1.06E-06	9.85E-06	1.72E-05	1.03E-06	9.80E-06	1.70E-05	9.76E-07	8.74E-06	1.58E-05	9.73E-07	8.94E-06	1.60E-05
1,327	1.08E-06	9.93E-06	1.79E-05	1.06E-06	9.84E-06	1.72E-05	1.03E-06	9.80E-06	1.70E-05	9.76E-07	8.74E-06	1.58E-05	9.73E-07	8.93E-06	1.60E-05
1,328	1.08E-06	9.92E-06	1.79E-05	1.06E-06	9.84E-06	1.72E-05	1.03E-06	9.80E-06	1.70E-05	9.75E-07	8.74E-06	1.58E-05	9.72E-07	8.92E-06	1.60E-05
1,329	1.08E-06	9.92E-06	1.79E-05	1.06E-06	9.84E-06	1.71E-05	1.03E-06	9.79E-06	1.70E-05	9.75E-07	8.74E-06	1.58E-05	9.72E-07	8.92E-06	1.60E-05
1,330	1.08E-06	9.91E-06	1.79E-05	1.06E-06	9.84E-06	1.71E-05	1.03E-06	9.79E-06	1.70E-05	9.75E-07	8.73E-06	1.58E-05	9.71E-07	8.92E-06	1.60E-05
1,331	1.08E-06	9.91E-06	1.79E-05	1.05E-06	9.83E-06	1.71E-05	1.03E-06	9.79E-06	1.70E-05	9.74E-07	8.73E-06	1.58E-05	9.71E-07	8.91E-06	1.59E-05
1,332	1.08E-06	9.91E-06	1.79E-05	1.05E-06	9.81E-06	1.71E-05	1.03E-06	9.78E-06	1.70E-05	9.74E-07	8.73E-06	1.58E-05	9.71E-07	8.91E-06	1.59E-05
1,333	1.08E-06	9.91E-06	1.79E-05	1.05E-06	9.81E-06	1.71E-05	1.03E-06	9.78E-06	1.70E-05	9.74E-07	8.73E-06	1.57E-05	9.70E-07	8.91E-06	1.59E-05
1,334	1.08E-06	9.90E-06	1.79E-05	1.05E-06	9.81E-06	1.71E-05	1.02E-06	9.78E-06	1.70E-05	9.73E-07	8.72E-06	1.57E-05	9.70E-07	8.90E-06	1.59E-05
1,335	1.08E-06	9.90E-06	1.78E-05	1.05E-06	9.80E-06	1.71E-05	1.02E-06	9.78E-06	1.70E-05	9.73E-07	8.72E-06	1.57E-05	9.69E-07	8.90E-06	1.59E-05
1,336	1.08E-06	9.90E-06	1.78E-05	1.05E-06	9.80E-06	1.71E-05	1.02E-06	9.77E-06	1.70E-05	9.73E-07	8.72E-06	1.57E-05	9.69E-07	8.89E-06	1.59E-05
1,337	1.08E-06	9.90E-06	1.78E-05	1.05E-06	9.80E-06	1.71E-05	1.02E-06	9.77E-06	1.70E-05	9.72E-07	8.71E-06	1.57E-05	9.68E-07	8.89E-06	1.59E-05
1,338	1.08E-06														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,342	1.08E-06	9.88E-06	1.77E-05	1.05E-06	9.76E-06	1.71E-05	1.02E-06	9.73E-06	1.69E-05	9.71E-07	8.69E-06	1.57E-05	9.66E-07	8.86E-06	1.59E-05
1,343	1.08E-06	9.87E-06	1.77E-05	1.05E-06	9.76E-06	1.71E-05	1.02E-06	9.73E-06	1.69E-05	9.70E-07	8.69E-06	1.57E-05	9.66E-07	8.86E-06	1.58E-05
1,344	1.08E-06	9.87E-06	1.77E-05	1.05E-06	9.75E-06	1.70E-05	1.02E-06	9.72E-06	1.69E-05	9.70E-07	8.68E-06	1.57E-05	9.65E-07	8.86E-06	1.58E-05
1,345	1.08E-06	9.85E-06	1.77E-05	1.05E-06	9.74E-06	1.70E-05	1.02E-06	9.72E-06	1.69E-05	9.70E-07	8.68E-06	1.57E-05	9.65E-07	8.86E-06	1.58E-05
1,346	1.07E-06	9.85E-06	1.77E-05	1.05E-06	9.74E-06	1.70E-05	1.02E-06	9.70E-06	1.68E-05	9.68E-07	8.67E-06	1.57E-05	9.64E-07	8.86E-06	1.58E-05
1,347	1.07E-06	9.83E-06	1.77E-05	1.05E-06	9.74E-06	1.70E-05	1.02E-06	9.70E-06	1.68E-05	9.67E-07	8.67E-06	1.57E-05	9.64E-07	8.86E-06	1.58E-05
1,348	1.07E-06	9.83E-06	1.77E-05	1.05E-06	9.73E-06	1.70E-05	1.02E-06	9.69E-06	1.68E-05	9.67E-07	8.67E-06	1.57E-05	9.64E-07	8.86E-06	1.58E-05
1,349	1.07E-06	9.82E-06	1.77E-05	1.05E-06	9.73E-06	1.70E-05	1.02E-06	9.69E-06	1.68E-05	9.67E-07	8.67E-06	1.56E-05	9.63E-07	8.85E-06	1.58E-05
1,350	1.07E-06	9.82E-06	1.77E-05	1.05E-06	9.72E-06	1.70E-05	1.02E-06	9.68E-06	1.68E-05	9.65E-07	8.66E-06	1.56E-05	9.63E-07	8.84E-06	1.58E-05
1,351	1.07E-06	9.82E-06	1.77E-05	1.04E-06	9.71E-06	1.70E-05	1.02E-06	9.68E-06	1.68E-05	9.63E-07	8.65E-06	1.56E-05	9.63E-07	8.84E-06	1.57E-05
1,352	1.07E-06	9.81E-06	1.77E-05	1.04E-06	9.71E-06	1.70E-05	1.02E-06	9.68E-06	1.68E-05	9.63E-07	8.65E-06	1.56E-05	9.63E-07	8.83E-06	1.57E-05
1,353	1.07E-06	9.79E-06	1.77E-05	1.04E-06	9.71E-06	1.70E-05	1.02E-06	9.66E-06	1.68E-05	9.63E-07	8.65E-06	1.56E-05	9.63E-07	8.82E-06	1.57E-05
1,354	1.07E-06	9.79E-06	1.76E-05	1.04E-06	9.70E-06	1.70E-05	1.02E-06	9.64E-06	1.68E-05	9.62E-07	8.65E-06	1.56E-05	9.62E-07	8.82E-06	1.57E-05
1,355	1.07E-06	9.79E-06	1.76E-05	1.04E-06	9.70E-06	1.70E-05	1.01E-06	9.64E-06	1.68E-05	9.62E-07	8.64E-06	1.56E-05	9.62E-07	8.82E-06	1.57E-05
1,356	1.07E-06	9.77E-06	1.76E-05	1.04E-06	9.70E-06	1.70E-05	1.01E-06	9.64E-06	1.68E-05	9.62E-07	8.64E-06	1.56E-05	9.62E-07	8.81E-06	1.57E-05
1,357	1.07E-06	9.77E-06	1.76E-05	1.04E-06	9.69E-06	1.70E-05	1.01E-06	9.64E-06	1.67E-05	9.62E-07	8.64E-06	1.56E-05	9.62E-07	8.80E-06	1.57E-05
1,358	1.07E-06	9.76E-06	1.76E-05	1.04E-06	9.68E-06	1.70E-05	1.01E-06	9.63E-06	1.67E-05	9.61E-07	8.63E-06	1.56E-05	9.62E-07	8.80E-06	1.57E-05
1,359	1.07E-06	9.76E-06	1.76E-05	1.04E-06	9.68E-06	1.70E-05	1.01E-06	9.61E-06	1.67E-05	9.60E-07	8.63E-06	1.56E-05	9.61E-07	8.80E-06	1.57E-05
1,360	1.07E-06	9.75E-06	1.76E-05	1.04E-06	9.67E-06	1.70E-05	1.01E-06	9.59E-06	1.67E-05	9.60E-07	8.62E-06	1.56E-05	9.60E-07	8.79E-06	1.56E-05
1,361	1.07E-06	9.75E-06	1.76E-05	1.04E-06	9.67E-06	1.70E-05	1.01E-06	9.59E-06	1.67E-05	9.59E-07	8.62E-06	1.56E-05	9.60E-07	8.79E-06	1.56E-05
1,362	1.07E-06	9.74E-06	1.76E-05	1.04E-06	9.66E-06	1.69E-05	1.01E-06	9.58E-06	1.67E-05	9.59E-07	8.62E-06	1.56E-05	9.59E-07	8.78E-06	1.56E-05
1,363	1.06E-06	9.74E-06	1.76E-05	1.04E-06	9.66E-06	1.69E-05	1.01E-06	9.58E-06	1.67E-05	9.59E-07	8.62E-06	1.55E-05	9.59E-07	8.78E-06	1.56E-05
1,364	1.06E-06	9.73E-06	1.76E-05	1.04E-06	9.66E-06	1.69E-05	1.00E-06	9.58E-06	1.67E-05	9.59E-07	8.62E-06	1.55E-05	9.59E-07	8.77E-06	1.56E-05
1,365	1.06E-06	9.73E-06	1.76E-05	1.04E-06	9.64E-06	1.69E-05	1.00E-06	9.58E-06	1.67E-05	9.58E-07	8.61E-06	1.55E-05	9.57E-07	8.77E-06	1.56E-05
1,366	1.06E-06	9.72E-06	1.76E-05	1.04E-06	9.64E-06	1.69E-05	1.00E-06	9.57E-06	1.67E-05	9.58E-07	8.61E-06	1.55E-05	9.57E-07	8.77E-06	1.56E-05
1,367	1.06E-06	9.71E-06	1.76E-05	1.04E-06	9.62E-06	1.69E-05	1.00E-06	9.57E-06	1.67E-05	9.58E-07	8.61E-06	1.55E-05	9.57E-07	8.76E-06	1.56E-05
1,368	1.06E-06	9.71E-06	1.75E-05	1.04E-06	9.62E-06	1.69E-05	1.00E-06	9.56E-06	1.67E-05	9.58E-07	8.60E-06	1.55E-05	9.57E-07	8.76E-06	1.55E-05
1,369	1.06E-06	9.69E-06	1.75E-05	1.04E-06	9.62E-06	1.69E-05	1.00E-06	9.56E-06	1.66E-05	9.58E-07	8.60E-06	1.55E-05	9.56E-07	8.75E-06	1.55E-05
1,370	1.06E-06	9.69E-06	1.75E-05	1.04E-06	9.61E-06	1.69E-05	1.00E-06	9.56E-06	1.66E-05	9.58E-07	8.59E-06	1.55E-05	9.56E-07	8.72E-06	1.55E-05
1,371	1.06E-06	9.69E-06	1.75E-05	1.04E-06	9.60E-06	1.69E-05	9.99E-07	9.55E-06	1.66E-05	9.58E-07	8.59E-06	1.55E-05	9.55E-07	8.71E-06	1.55E-05
1,372	1.06E-06	9.69E-06	1.75E-05	1.04E-06	9.60E-06	1.69E-05	9.99E-07	9.55E-06	1.66E-05	9.57E-07	8.58E-06	1.55E-05	9.54E-07	8.70E-06	1.55E-05
1,373	1.06E-06	9.68E-06	1.75E-05	1.04E-06	9.59E-06	1.69E-05	9.97E-07	9.54E-06	1.66E-05	9.57E-07	8.58E-06	1.55E-05	9.54E-07	8.70E-06	1.55E-05
1,374	1.06E-06	9.68E-06	1.75E-05	1.04E-06	9.59E-06	1.69E-05	9.97E-07	9.54E-06	1.66E-05	9.56E-07	8.56E-06	1.55E-05	9.54E-07	8.70E-06	1.54E-05
1,375	1.06E-06	9.67E-06	1.74E-05	1.04E-06	9.59E-06	1.68E-05	9.97E-07	9.53E-06	1.66E-05	9.56E-07	8.56E-06	1.55E-05	9.52E-07	8.68E-06	1.54E-05
1,376	1.06E-06	9.66E-06	1.74E-05	1.04E-06	9.56E-06	1.68E-05	9.96E-07	9.53E-06	1.66E-05	9.56E-07	8.55E-06	1.55E-05	9.52E-07	8.67E-06	1.54E-05
1,377	1.06E-06	9.65E-06	1.74E-05	1.04E-06	9.56E-06	1.68E-05	9.96E-07	9.51E-06	1.66E-05	9.55E-07	8.54E-06	1.55E-05	9.52E-07	8.67E-06	1.54E-05
1,378	1.06E-06	9.65E-06	1.74E-05	1.04E-06	9.56E-06	1.68E-05	9.96E-07	9.50E-06	1.66E-05	9.55E-07	8.53E-06	1.54E-05	9.52E-07	8.67E-06	1.54E-05
1,379	1.06E-06	9.64E-06	1.74E-05	1.04E-06	9.56E-06	1.68E-05	9.95E-07	9.50E-06	1.66E-05	9.55E-07	8.53E-06	1.54E-05	9.52E-07	8.67E-06	1.54E-05
1,380	1.06E-06	9.64E-06	1.74E-05	1.03E-06	9.54E-06	1.68E-05	9.95E-07	9.49E-06	1.66E-05	9.55E-07	8.53E-06	1.54E-05	9.51E-07	8.66E-06	1.54E-05
1,381	1.05E-06	9.64E-06	1.74E-05	1.03E-06	9.54E-06	1.68E-05	9.94E-07	9.49E-06	1.66E-05	9.54E-07	8.52E-06	1.54E-05	9.51E-07	8.66E-06	1.54E-05
1,382	1.05E-06	9.64E-06	1.74E-05	1.03E-06	9.53E-06	1.68E-05	9.94E-07	9.49E-06	1.65E-05	9.54E-07	8.52E-06	1.54E-05	9.50E-07	8.65E-06	1.54E-05
1,383	1.05E-06	9.63E-06	1.74E-05	1.03E-06	9.53E-06	1.68E-05	9.93E-07	9.48E-06	1.65E-05	9.54E-07	8.51E-06	1.54E-05	9.49E-07	8.64E-06	1.54E-05
1,384	1.05E-06	9.63E-06	1.74E-05	1.03E-06	9.52E-06	1.68E-05	9.92E-07	9.48E-06	1.65E-05	9.53E-07	8.51E-06	1.54E-05	9.47E-07	8.64E-06	1.54E-05
1,385	1.05E-06	9.63E-06	1.74E-05	1.03E-06	9.51E-06	1.68E-05	9.92E-07	9.47E-06	1.65E-05	9.52E-07	8.49E-06	1.54E-05	9.47E-07	8.63E-06	1.54E-05
1,386	1.05E-06	9.62E-06	1.73E-05	1.03E-06	9.51E-06	1.68E-05	9.92E-07	9.47E-06	1.65E-05	9.51E-07	8.49E-06	1.54E-05	9.46E-07	8.63E-06	1.54E-05
1,387	1.05E-06	9.62E-06	1.73E-05	1.03E-06	9.51E-06	1.68E-05	9.92E-07	9.46E-06	1.65E-05	9.50E-07	8.48E-06	1.54E-05	9.46E-07	8.63E-06	1.53E-05
1,388	1.05E-06	9.62E-06	1.73E-05	1.03E-06	9.49E-06	1.67E-05	9.91E-07	9.45E-06	1.65E-05	9.50E-07	8.47E-06	1.54E-05	9.45E-07	8.61E-06	1.53E-05
1,389	1.05E-06	9.62E-06	1.73E-05	1.03E-06	9.49E-06	1.67E-05	9.91E-07	9.44E-06	1.65E-05	9.50E-07	8.47E-06	1.54E-05	9.45E-07	8.60E-06	1.53E-05
1,390	1.05E-06	9.61E-06	1.73E-05	1.03E-06	9.49E-06	1.67E-05	9.90E-07	9.42E-06	1.65E-05	9.50E-07	8.47E-06	1.54E-05	9.44E-07	8.60E-06	1.53E-05
1,391	1.05E-06	9.60E-06	1.73E-05	1.03E-06	9.48E-06	1.67E-05	9.88E-07	9.42E-06	1.65E-05	9.50E-07	8.46E-06	1.54E-05	9.43E-07	8.60E-06	1.53E-05
1,392	1.05E-06	9.60E-06	1.73E-05	1.03E-06	9.45E-06	1.67E-05	9.88E-07	9.41E-06	1.64E-05	9.49E-07	8.45E-06	1.54E-05	9.43E-07	8.60E-06	1.53E-05
1,393	1.05E-06	9.58E-06	1.73E-05	1.03E-06	9.44E-06	1.67E-05	9.86E-07	9.40E-06	1.64E-05	9.49E-07	8.44E-06	1.54E-05	9.43E-07	8.59E-06	1.53E-05
1,394	1.05E-06	9.58E-06	1.73E-05	1.03E-06	9.44E-06	1.67E-05	9.86E-07	9.40E-06	1.64E-05	9.49E-07	8.44E-06	1.54E-05	9.43E-07	8.59E-06	1.53E-05
1,395	1.05E-06	9.57E-06	1.73E-05	1.03E-06	9.43E-06	1.66E-05	9.85E-07	9.40E-06	1.64E-05	9.48E-07	8.43E-06	1.53E-05	9.42E-07	8.58E-06	1.53E-05
1,396	1.05E-06	9.56E-06	1.73E-05	1.03E-06	9.42E-06	1.66E-05	9.85E-07	9.39E-06	1.64E-05	9.48E-07	8.42E-06	1.53E-05	9.41E-07	8.58E-06	1.53E-05
1,397	1.05E-06	9.55E-06	1.73E-05	1.02E-06	9.42E-06	1.66E-05	9.85E-07	9.39E-06	1.64E-05	9.48E-07	8.42E-06	1.53E-05	9.40E-07	8.57E-06	1.53E-05
1,398	1.05E-06	9.55E-06	1.73E-05	1.02E-06	9.40E-06	1.66E-05	9.84E-07	9.39E-06	1.64E-05	9.48E-07	8.40E-06	1.53E-05	9.40E-07	8.57E-06	1.53E-05
1,399	1.05E-06	9.54E-06	1.73E-05	1.02E-06	9.40E-06	1.66E-05	9.83E-07	9.38E-06	1.64E-05	9.47E-07	8.40E-06	1.53E-05	9.40E-07	8.57E-06	1.53E-05
1,400	1.05E-06														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,404	1.04E-06	9.53E-06	1.72E-05	1.02E-06	9.36E-06	1.66E-05	9.81E-07	9.37E-06	1.63E-05	9.46E-07	8.38E-06	1.53E-05	9.38E-07	8.54E-06	1.52E-05
1,405	1.04E-06	9.53E-06	1.72E-05	1.02E-06	9.36E-06	1.66E-05	9.81E-07	9.37E-06	1.63E-05	9.45E-07	8.37E-06	1.53E-05	9.38E-07	8.53E-06	1.52E-05
1,406	1.04E-06	9.53E-06	1.72E-05	1.02E-06	9.35E-06	1.66E-05	9.80E-07	9.37E-06	1.63E-05	9.45E-07	8.37E-06	1.53E-05	9.37E-07	8.53E-06	1.52E-05
1,407	1.04E-06	9.52E-06	1.72E-05	1.02E-06	9.35E-06	1.66E-05	9.80E-07	9.37E-06	1.63E-05	9.45E-07	8.37E-06	1.53E-05	9.37E-07	8.52E-06	1.52E-05
1,408	1.04E-06	9.52E-06	1.71E-05	1.02E-06	9.35E-06	1.66E-05	9.80E-07	9.36E-06	1.63E-05	9.45E-07	8.37E-06	1.53E-05	9.37E-07	8.52E-06	1.52E-05
1,409	1.04E-06	9.51E-06	1.71E-05	1.02E-06	9.35E-06	1.66E-05	9.80E-07	9.36E-06	1.63E-05	9.44E-07	8.36E-06	1.53E-05	9.36E-07	8.50E-06	1.52E-05
1,410	1.04E-06	9.50E-06	1.71E-05	1.02E-06	9.34E-06	1.66E-05	9.79E-07	9.36E-06	1.63E-05	9.43E-07	8.36E-06	1.53E-05	9.36E-07	8.50E-06	1.52E-05
1,411	1.04E-06	9.50E-06	1.71E-05	1.02E-06	9.34E-06	1.66E-05	9.79E-07	9.35E-06	1.63E-05	9.43E-07	8.36E-06	1.53E-05	9.36E-07	8.50E-06	1.52E-05
1,412	1.04E-06	9.49E-06	1.71E-05	1.02E-06	9.33E-06	1.66E-05	9.79E-07	9.35E-06	1.63E-05	9.43E-07	8.36E-06	1.53E-05	9.35E-07	8.49E-06	1.51E-05
1,413	1.04E-06	9.48E-06	1.71E-05	1.02E-06	9.33E-06	1.66E-05	9.78E-07	9.34E-06	1.63E-05	9.42E-07	8.35E-06	1.53E-05	9.35E-07	8.49E-06	1.51E-05
1,414	1.04E-06	9.48E-06	1.71E-05	1.02E-06	9.33E-06	1.65E-05	9.77E-07	9.34E-06	1.62E-05	9.41E-07	8.34E-06	1.53E-05	9.33E-07	8.47E-06	1.51E-05
1,415	1.04E-06	9.48E-06	1.71E-05	1.02E-06	9.33E-06	1.65E-05	9.77E-07	9.34E-06	1.62E-05	9.40E-07	8.34E-06	1.53E-05	9.32E-07	8.47E-06	1.51E-05
1,416	1.04E-06	9.47E-06	1.71E-05	1.02E-06	9.32E-06	1.65E-05	9.76E-07	9.33E-06	1.62E-05	9.40E-07	8.33E-06	1.53E-05	9.32E-07	8.46E-06	1.51E-05
1,417	1.04E-06	9.46E-06	1.71E-05	1.01E-06	9.32E-06	1.65E-05	9.75E-07	9.33E-06	1.62E-05	9.40E-07	8.33E-06	1.53E-05	9.31E-07	8.46E-06	1.51E-05
1,418	1.04E-06	9.46E-06	1.71E-05	1.01E-06	9.32E-06	1.65E-05	9.75E-07	9.33E-06	1.62E-05	9.39E-07	8.33E-06	1.53E-05	9.31E-07	8.45E-06	1.51E-05
1,419	1.04E-06	9.46E-06	1.71E-05	1.01E-06	9.31E-06	1.65E-05	9.75E-07	9.33E-06	1.62E-05	9.39E-07	8.33E-06	1.53E-05	9.30E-07	8.45E-06	1.50E-05
1,420	1.04E-06	9.45E-06	1.70E-05	1.01E-06	9.29E-06	1.65E-05	9.75E-07	9.32E-06	1.62E-05	9.38E-07	8.32E-06	1.52E-05	9.30E-07	8.45E-06	1.50E-05
1,421	1.04E-06	9.45E-06	1.70E-05	1.01E-06	9.29E-06	1.65E-05	9.74E-07	9.32E-06	1.62E-05	9.38E-07	8.31E-06	1.52E-05	9.30E-07	8.44E-06	1.50E-05
1,422	1.04E-06	9.43E-06	1.70E-05	1.01E-06	9.28E-06	1.65E-05	9.74E-07	9.31E-06	1.62E-05	9.37E-07	8.31E-06	1.52E-05	9.28E-07	8.43E-06	1.50E-05
1,423	1.04E-06	9.43E-06	1.70E-05	1.01E-06	9.28E-06	1.65E-05	9.74E-07	9.30E-06	1.62E-05	9.37E-07	8.31E-06	1.52E-05	9.28E-07	8.42E-06	1.50E-05
1,424	1.03E-06	9.43E-06	1.70E-05	1.01E-06	9.28E-06	1.65E-05	9.73E-07	9.30E-06	1.62E-05	9.37E-07	8.30E-06	1.52E-05	9.28E-07	8.42E-06	1.50E-05
1,425	1.03E-06	9.42E-06	1.70E-05	1.01E-06	9.27E-06	1.65E-05	9.72E-07	9.29E-06	1.62E-05	9.37E-07	8.30E-06	1.52E-05	9.28E-07	8.41E-06	1.50E-05
1,426	1.03E-06	9.42E-06	1.70E-05	1.01E-06	9.27E-06	1.64E-05	9.72E-07	9.29E-06	1.62E-05	9.36E-07	8.30E-06	1.52E-05	9.27E-07	8.40E-06	1.50E-05
1,427	1.03E-06	9.40E-06	1.70E-05	1.01E-06	9.26E-06	1.64E-05	9.72E-07	9.29E-06	1.62E-05	9.36E-07	8.30E-06	1.52E-05	9.26E-07	8.40E-06	1.50E-05
1,428	1.03E-06	9.40E-06	1.70E-05	1.01E-06	9.25E-06	1.64E-05	9.72E-07	9.28E-06	1.62E-05	9.35E-07	8.29E-06	1.52E-05	9.26E-07	8.40E-06	1.50E-05
1,429	1.03E-06	9.39E-06	1.70E-05	1.01E-06	9.24E-06	1.64E-05	9.72E-07	9.28E-06	1.61E-05	9.34E-07	8.29E-06	1.52E-05	9.25E-07	8.40E-06	1.50E-05
1,430	1.03E-06	9.38E-06	1.70E-05	1.01E-06	9.24E-06	1.64E-05	9.71E-07	9.28E-06	1.61E-05	9.33E-07	8.29E-06	1.52E-05	9.24E-07	8.40E-06	1.50E-05
1,431	1.03E-06	9.38E-06	1.70E-05	1.01E-06	9.24E-06	1.64E-05	9.71E-07	9.27E-06	1.61E-05	9.31E-07	8.28E-06	1.52E-05	9.24E-07	8.39E-06	1.50E-05
1,432	1.03E-06	9.37E-06	1.70E-05	1.01E-06	9.23E-06	1.64E-05	9.70E-07	9.26E-06	1.61E-05	9.31E-07	8.28E-06	1.52E-05	9.24E-07	8.39E-06	1.49E-05
1,433	1.03E-06	9.36E-06	1.70E-05	1.01E-06	9.22E-06	1.64E-05	9.70E-07	9.25E-06	1.61E-05	9.31E-07	8.27E-06	1.52E-05	9.23E-07	8.39E-06	1.49E-05
1,434	1.03E-06	9.35E-06	1.70E-05	1.01E-06	9.22E-06	1.64E-05	9.70E-07	9.23E-06	1.61E-05	9.31E-07	8.27E-06	1.52E-05	9.22E-07	8.39E-06	1.49E-05
1,435	1.03E-06	9.33E-06	1.69E-05	1.01E-06	9.21E-06	1.64E-05	9.70E-07	9.23E-06	1.61E-05	9.29E-07	8.26E-06	1.51E-05	9.21E-07	8.39E-06	1.49E-05
1,436	1.03E-06	9.32E-06	1.69E-05	1.01E-06	9.21E-06	1.64E-05	9.70E-07	9.21E-06	1.61E-05	9.27E-07	8.26E-06	1.51E-05	9.21E-07	8.39E-06	1.49E-05
1,437	1.03E-06	9.32E-06	1.69E-05	1.00E-06	9.20E-06	1.64E-05	9.69E-07	9.21E-06	1.61E-05	9.26E-07	8.25E-06	1.51E-05	9.21E-07	8.38E-06	1.49E-05
1,438	1.03E-06	9.32E-06	1.69E-05	1.00E-06	9.19E-06	1.64E-05	9.69E-07	9.21E-06	1.61E-05	9.25E-07	8.25E-06	1.51E-05	9.21E-07	8.38E-06	1.49E-05
1,439	1.03E-06	9.31E-06	1.69E-05	1.00E-06	9.19E-06	1.64E-05	9.67E-07	9.19E-06	1.60E-05	9.25E-07	8.25E-06	1.51E-05	9.21E-07	8.38E-06	1.49E-05
1,440	1.03E-06	9.31E-06	1.69E-05	1.00E-06	9.19E-06	1.64E-05	9.67E-07	9.19E-06	1.60E-05	9.23E-07	8.24E-06	1.51E-05	9.21E-07	8.38E-06	1.49E-05
1,441	1.03E-06	9.29E-06	1.69E-05	1.00E-06	9.18E-06	1.63E-05	9.65E-07	9.19E-06	1.60E-05	9.22E-07	8.24E-06	1.51E-05	9.20E-07	8.38E-06	1.49E-05
1,442	1.03E-06	9.28E-06	1.69E-05	1.00E-06	9.18E-06	1.63E-05	9.65E-07	9.18E-06	1.60E-05	9.21E-07	8.24E-06	1.51E-05	9.19E-07	8.38E-06	1.49E-05
1,443	1.03E-06	9.28E-06	1.69E-05	1.00E-06	9.18E-06	1.63E-05	9.65E-07	9.18E-06	1.60E-05	9.20E-07	8.24E-06	1.51E-05	9.19E-07	8.37E-06	1.49E-05
1,444	1.03E-06	9.28E-06	1.69E-05	1.00E-06	9.18E-06	1.63E-05	9.64E-07	9.17E-06	1.60E-05	9.19E-07	8.23E-06	1.51E-05	9.19E-07	8.36E-06	1.49E-05
1,445	1.03E-06	9.28E-06	1.69E-05	1.00E-06	9.17E-06	1.63E-05	9.63E-07	9.17E-06	1.59E-05	9.18E-07	8.23E-06	1.51E-05	9.18E-07	8.36E-06	1.49E-05
1,446	1.03E-06	9.28E-06	1.69E-05	1.00E-06	9.17E-06	1.63E-05	9.63E-07	9.16E-06	1.59E-05	9.17E-07	8.23E-06	1.51E-05	9.17E-07	8.35E-06	1.49E-05
1,447	1.02E-06	9.27E-06	1.69E-05	1.00E-06	9.17E-06	1.63E-05	9.63E-07	9.15E-06	1.59E-05	9.17E-07	8.22E-06	1.51E-05	9.17E-07	8.35E-06	1.49E-05
1,448	1.02E-06	9.27E-06	1.69E-05	1.00E-06	9.16E-06	1.63E-05	9.63E-07	9.15E-06	1.59E-05	9.17E-07	8.21E-06	1.51E-05	9.16E-07	8.34E-06	1.48E-05
1,449	1.02E-06	9.27E-06	1.68E-05	1.00E-06	9.15E-06	1.63E-05	9.62E-07	9.14E-06	1.59E-05	9.17E-07	8.21E-06	1.51E-05	9.16E-07	8.34E-06	1.48E-05
1,450	1.02E-06	9.27E-06	1.68E-05	9.97E-07	9.15E-06	1.63E-05	9.62E-07	9.14E-06	1.59E-05	9.16E-07	8.21E-06	1.51E-05	9.16E-07	8.33E-06	1.48E-05
1,451	1.02E-06	9.26E-06	1.68E-05	9.97E-07	9.15E-06	1.62E-05	9.62E-07	9.14E-06	1.59E-05	9.16E-07	8.21E-06	1.51E-05	9.15E-07	8.33E-06	1.48E-05
1,452	1.02E-06	9.26E-06	1.68E-05	9.97E-07	9.14E-06	1.62E-05	9.61E-07	9.13E-06	1.59E-05	9.16E-07	8.20E-06	1.51E-05	9.15E-07	8.33E-06	1.48E-05
1,453	1.02E-06	9.24E-06	1.68E-05	9.97E-07	9.13E-06	1.62E-05	9.61E-07	9.13E-06	1.59E-05	9.16E-07	8.20E-06	1.51E-05	9.15E-07	8.32E-06	1.48E-05
1,454	1.02E-06	9.23E-06	1.68E-05	9.95E-07	9.13E-06	1.62E-05	9.61E-07	9.13E-06	1.59E-05	9.16E-07	8.20E-06	1.50E-05	9.14E-07	8.32E-06	1.48E-05
1,455	1.02E-06	9.23E-06	1.68E-05	9.95E-07	9.12E-06	1.62E-05	9.60E-07	9.13E-06	1.59E-05	9.15E-07	8.20E-06	1.50E-05	9.13E-07	8.31E-06	1.48E-05
1,456	1.02E-06	9.23E-06	1.68E-05	9.95E-07	9.12E-06	1.62E-05	9.60E-07	9.12E-06	1.59E-05	9.15E-07	8.19E-06	1.50E-05	9.13E-07	8.30E-06	1.47E-05
1,457	1.02E-06	9.22E-06	1.68E-05	9.95E-07	9.11E-06	1.62E-05	9.59E-07	9.11E-06	1.59E-05	9.15E-07	8.19E-06	1.50E-05	9.13E-07	8.30E-06	1.47E-05
1,458	1.02E-06	9.22E-06	1.68E-05	9.94E-07	9.11E-06	1.62E-05	9.58E-07	9.11E-06	1.59E-05	9.15E-07	8.19E-06	1.50E-05	9.13E-07	8.29E-06	1.47E-05
1,459	1.02E-06	9.20E-06	1.68E-05	9.93E-07	9.10E-06	1.62E-05	9.57E-07	9.09E-06	1.59E-05	9.14E-07	8.18E-06	1.50E-05	9.12E-07	8.29E-06	1.47E-05
1,460	1.02E-06	9.20E-06	1.68E-05	9.93E-07	9.09E-06	1.62E-05	9.57E-07	9.09E-06	1.58E-05	9.14E-07	8.18E-06	1.49E-05	9.12E-07	8.29E-06	1.47E-05
1,461	1.02E-06	9.19E-06	1.68E-05	9.91E-07	9.08E-06	1.62E-05	9.57E-07	9.08E-06	1.58E-05	9.14E-07	8.17E-06	1.49E-05	9.11E-07	8.28E-06	1.47E-05
1,462	1.02E-06														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,466	1.02E-06	9.17E-06	1.67E-05	9.90E-07	9.07E-06	1.61E-05	9.55E-07	9.05E-06	1.58E-05	9.11E-07	8.15E-06	1.49E-05	9.08E-07	8.26E-06	1.46E-05
1,467	1.02E-06	9.16E-06	1.67E-05	9.88E-07	9.07E-06	1.61E-05	9.54E-07	9.05E-06	1.58E-05	9.11E-07	8.15E-06	1.49E-05	9.08E-07	8.26E-06	1.46E-05
1,468	1.02E-06	9.15E-06	1.67E-05	9.88E-07	9.07E-06	1.61E-05	9.54E-07	9.05E-06	1.58E-05	9.10E-07	8.14E-06	1.49E-05	9.08E-07	8.26E-06	1.46E-05
1,469	1.02E-06	9.14E-06	1.67E-05	9.87E-07	9.07E-06	1.61E-05	9.53E-07	9.04E-06	1.58E-05	9.10E-07	8.13E-06	1.49E-05	9.07E-07	8.25E-06	1.46E-05
1,470	1.02E-06	9.14E-06	1.67E-05	9.87E-07	9.07E-06	1.61E-05	9.53E-07	9.03E-06	1.58E-05	9.10E-07	8.13E-06	1.49E-05	9.06E-07	8.24E-06	1.46E-05
1,471	1.02E-06	9.14E-06	1.67E-05	9.85E-07	9.07E-06	1.61E-05	9.52E-07	9.03E-06	1.58E-05	9.09E-07	8.13E-06	1.49E-05	9.06E-07	8.24E-06	1.46E-05
1,472	1.02E-06	9.13E-06	1.67E-05	9.85E-07	9.06E-06	1.61E-05	9.50E-07	9.03E-06	1.58E-05	9.08E-07	8.12E-06	1.48E-05	9.06E-07	8.23E-06	1.46E-05
1,473	1.02E-06	9.13E-06	1.67E-05	9.85E-07	9.06E-06	1.61E-05	9.49E-07	9.02E-06	1.58E-05	9.08E-07	8.12E-06	1.48E-05	9.06E-07	8.23E-06	1.46E-05
1,474	1.01E-06	9.13E-06	1.66E-05	9.85E-07	9.06E-06	1.60E-05	9.49E-07	9.01E-06	1.58E-05	9.08E-07	8.12E-06	1.48E-05	9.06E-07	8.23E-06	1.46E-05
1,475	1.01E-06	9.12E-06	1.66E-05	9.84E-07	9.06E-06	1.60E-05	9.49E-07	9.00E-06	1.58E-05	9.07E-07	8.12E-06	1.48E-05	9.06E-07	8.23E-06	1.46E-05
1,476	1.01E-06	9.11E-06	1.66E-05	9.84E-07	9.06E-06	1.60E-05	9.49E-07	9.00E-06	1.58E-05	9.05E-07	8.12E-06	1.48E-05	9.06E-07	8.22E-06	1.46E-05
1,477	1.01E-06	9.11E-06	1.66E-05	9.84E-07	9.06E-06	1.60E-05	9.49E-07	8.99E-06	1.58E-05	9.05E-07	8.10E-06	1.48E-05	9.05E-07	8.21E-06	1.46E-05
1,478	1.01E-06	9.10E-06	1.66E-05	9.83E-07	9.05E-06	1.60E-05	9.49E-07	8.99E-06	1.57E-05	9.04E-07	8.10E-06	1.48E-05	9.05E-07	8.21E-06	1.46E-05
1,479	1.01E-06	9.10E-06	1.66E-05	9.82E-07	9.05E-06	1.60E-05	9.48E-07	8.99E-06	1.57E-05	9.03E-07	8.10E-06	1.48E-05	9.05E-07	8.20E-06	1.45E-05
1,480	1.01E-06	9.10E-06	1.66E-05	9.81E-07	9.04E-06	1.60E-05	9.48E-07	8.99E-06	1.57E-05	9.03E-07	8.09E-06	1.48E-05	9.03E-07	8.20E-06	1.45E-05
1,481	1.01E-06	9.10E-06	1.66E-05	9.81E-07	9.04E-06	1.60E-05	9.48E-07	8.99E-06	1.57E-05	9.03E-07	8.09E-06	1.48E-05	9.03E-07	8.20E-06	1.45E-05
1,482	1.01E-06	9.10E-06	1.66E-05	9.80E-07	9.03E-06	1.60E-05	9.48E-07	8.99E-06	1.57E-05	9.02E-07	8.09E-06	1.48E-05	9.03E-07	8.20E-06	1.45E-05
1,483	1.01E-06	9.09E-06	1.66E-05	9.79E-07	9.02E-06	1.60E-05	9.47E-07	8.98E-06	1.57E-05	9.02E-07	8.07E-06	1.48E-05	9.03E-07	8.19E-06	1.45E-05
1,484	1.01E-06	9.09E-06	1.65E-05	9.79E-07	9.02E-06	1.60E-05	9.47E-07	8.98E-06	1.57E-05	9.02E-07	8.06E-06	1.48E-05	9.02E-07	8.19E-06	1.45E-05
1,485	1.01E-06	9.09E-06	1.65E-05	9.79E-07	9.02E-06	1.59E-05	9.46E-07	8.97E-06	1.57E-05	9.02E-07	8.06E-06	1.48E-05	9.02E-07	8.19E-06	1.45E-05
1,486	1.01E-06	9.09E-06	1.65E-05	9.78E-07	9.01E-06	1.59E-05	9.46E-07	8.96E-06	1.57E-05	9.01E-07	8.06E-06	1.48E-05	9.01E-07	8.18E-06	1.45E-05
1,487	1.01E-06	9.09E-06	1.65E-05	9.78E-07	9.01E-06	1.59E-05	9.46E-07	8.96E-06	1.57E-05	9.00E-07	8.05E-06	1.48E-05	9.01E-07	8.18E-06	1.44E-05
1,488	1.01E-06	9.08E-06	1.65E-05	9.78E-07	8.99E-06	1.59E-05	9.46E-07	8.96E-06	1.57E-05	9.00E-07	8.05E-06	1.48E-05	9.01E-07	8.18E-06	1.44E-05
1,489	1.01E-06	9.07E-06	1.65E-05	9.77E-07	8.98E-06	1.59E-05	9.46E-07	8.96E-06	1.57E-05	9.00E-07	8.04E-06	1.47E-05	9.00E-07	8.17E-06	1.44E-05
1,490	1.01E-06	9.05E-06	1.65E-05	9.77E-07	8.98E-06	1.59E-05	9.45E-07	8.96E-06	1.57E-05	9.00E-07	8.04E-06	1.47E-05	9.00E-07	8.17E-06	1.44E-05
1,491	1.01E-06	9.05E-06	1.65E-05	9.77E-07	8.97E-06	1.59E-05	9.44E-07	8.96E-06	1.57E-05	8.99E-07	8.04E-06	1.47E-05	8.99E-07	8.17E-06	1.44E-05
1,492	1.01E-06	9.04E-06	1.65E-05	9.76E-07	8.97E-06	1.59E-05	9.44E-07	8.95E-06	1.57E-05	8.99E-07	8.03E-06	1.47E-05	8.99E-07	8.17E-06	1.44E-05
1,493	1.01E-06	9.04E-06	1.65E-05	9.76E-07	8.97E-06	1.59E-05	9.43E-07	8.95E-06	1.56E-05	8.98E-07	8.01E-06	1.47E-05	8.98E-07	8.17E-06	1.44E-05
1,494	1.01E-06	9.03E-06	1.64E-05	9.76E-07	8.96E-06	1.59E-05	9.43E-07	8.94E-06	1.56E-05	8.97E-07	8.01E-06	1.47E-05	8.98E-07	8.17E-06	1.44E-05
1,495	1.01E-06	9.01E-06	1.64E-05	9.76E-07	8.96E-06	1.59E-05	9.42E-07	8.94E-06	1.56E-05	8.97E-07	8.01E-06	1.47E-05	8.98E-07	8.16E-06	1.44E-05
1,496	1.01E-06	9.01E-06	1.64E-05	9.76E-07	8.95E-06	1.59E-05	9.42E-07	8.93E-06	1.56E-05	8.96E-07	8.01E-06	1.47E-05	8.97E-07	8.14E-06	1.44E-05
1,497	1.01E-06	9.01E-06	1.64E-05	9.74E-07	8.94E-06	1.59E-05	9.41E-07	8.93E-06	1.56E-05	8.96E-07	8.01E-06	1.47E-05	8.97E-07	8.14E-06	1.44E-05
1,498	1.01E-06	9.00E-06	1.64E-05	9.74E-07	8.94E-06	1.59E-05	9.40E-07	8.92E-06	1.56E-05	8.96E-07	8.01E-06	1.47E-05	8.97E-07	8.14E-06	1.44E-05
1,499	1.01E-06	8.99E-06	1.64E-05	9.73E-07	8.94E-06	1.59E-05	9.39E-07	8.92E-06	1.56E-05	8.96E-07	8.01E-06	1.47E-05	8.97E-07	8.13E-06	1.44E-05
1,500	1.01E-06	8.99E-06	1.64E-05	9.73E-07	8.93E-06	1.58E-05	9.38E-07	8.89E-06	1.56E-05	8.95E-07	8.00E-06	1.47E-05	8.96E-07	8.13E-06	1.44E-05
1,501	1.01E-06	8.99E-06	1.64E-05	9.73E-07	8.93E-06	1.58E-05	9.38E-07	8.89E-06	1.56E-05	8.95E-07	8.00E-06	1.47E-05	8.96E-07	8.13E-06	1.44E-05
1,502	1.01E-06	8.98E-06	1.64E-05	9.73E-07	8.93E-06	1.58E-05	9.38E-07	8.89E-06	1.56E-05	8.94E-07	8.00E-06	1.47E-05	8.96E-07	8.13E-06	1.44E-05
1,503	1.00E-06	8.97E-06	1.64E-05	9.72E-07	8.93E-06	1.58E-05	9.38E-07	8.88E-06	1.56E-05	8.94E-07	7.99E-06	1.46E-05	8.96E-07	8.12E-06	1.44E-05
1,504	1.00E-06	8.95E-06	1.64E-05	9.72E-07	8.93E-06	1.58E-05	9.37E-07	8.88E-06	1.56E-05	8.94E-07	7.98E-06	1.46E-05	8.95E-07	8.12E-06	1.44E-05
1,505	1.00E-06	8.94E-06	1.64E-05	9.72E-07	8.93E-06	1.58E-05	9.37E-07	8.88E-06	1.56E-05	8.93E-07	7.98E-06	1.46E-05	8.94E-07	8.12E-06	1.44E-05
1,506	1.00E-06	8.94E-06	1.64E-05	9.71E-07	8.92E-06	1.58E-05	9.37E-07	8.88E-06	1.56E-05	8.93E-07	7.97E-06	1.46E-05	8.93E-07	8.11E-06	1.44E-05
1,507	1.00E-06	8.94E-06	1.64E-05	9.71E-07	8.92E-06	1.58E-05	9.37E-07	8.87E-06	1.56E-05	8.93E-07	7.97E-06	1.46E-05	8.93E-07	8.10E-06	1.43E-05
1,508	1.00E-06	8.93E-06	1.64E-05	9.71E-07	8.92E-06	1.58E-05	9.36E-07	8.87E-06	1.55E-05	8.92E-07	7.97E-06	1.46E-05	8.92E-07	8.08E-06	1.43E-05
1,509	1.00E-06	8.92E-06	1.63E-05	9.71E-07	8.92E-06	1.58E-05	9.36E-07	8.87E-06	1.55E-05	8.92E-07	7.96E-06	1.46E-05	8.91E-07	8.07E-06	1.43E-05
1,510	1.00E-06	8.92E-06	1.63E-05	9.71E-07	8.92E-06	1.58E-05	9.36E-07	8.87E-06	1.55E-05	8.92E-07	7.96E-06	1.46E-05	8.91E-07	8.07E-06	1.43E-05
1,511	1.00E-06	8.91E-06	1.63E-05	9.71E-07	8.90E-06	1.58E-05	9.35E-07	8.87E-06	1.55E-05	8.92E-07	7.96E-06	1.46E-05	8.91E-07	8.06E-06	1.43E-05
1,512	1.00E-06	8.91E-06	1.63E-05	9.70E-07	8.89E-06	1.58E-05	9.35E-07	8.86E-06	1.55E-05	8.91E-07	7.96E-06	1.46E-05	8.90E-07	8.06E-06	1.43E-05
1,513	1.00E-06	8.90E-06	1.63E-05	9.70E-07	8.88E-06	1.58E-05	9.35E-07	8.86E-06	1.55E-05	8.91E-07	7.95E-06	1.46E-05	8.90E-07	8.05E-06	1.43E-05
1,514	1.00E-06	8.89E-06	1.63E-05	9.69E-07	8.88E-06	1.57E-05	9.35E-07	8.85E-06	1.55E-05	8.91E-07	7.95E-06	1.46E-05	8.90E-07	8.05E-06	1.43E-05
1,515	1.00E-06	8.89E-06	1.63E-05	9.68E-07	8.88E-06	1.57E-05	9.35E-07	8.85E-06	1.55E-05	8.90E-07	7.95E-06	1.46E-05	8.90E-07	8.05E-06	1.43E-05
1,516	9.99E-07	8.89E-06	1.63E-05	9.66E-07	8.87E-06	1.57E-05	9.34E-07	8.85E-06	1.55E-05	8.89E-07	7.94E-06	1.46E-05	8.89E-07	8.05E-06	1.43E-05
1,517	9.99E-07	8.89E-06	1.63E-05	9.66E-07	8.87E-06	1.57E-05	9.34E-07	8.84E-06	1.55E-05	8.89E-07	7.94E-06	1.46E-05	8.89E-07	8.05E-06	1.43E-05
1,518	9.98E-07	8.89E-06	1.63E-05	9.65E-07	8.87E-06	1.57E-05	9.34E-07	8.84E-06	1.55E-05	8.89E-07	7.94E-06	1.45E-05	8.89E-07	8.05E-06	1.43E-05
1,519	9.97E-07	8.89E-06	1.63E-05	9.65E-07	8.87E-06	1.57E-05	9.34E-07	8.84E-06	1.55E-05	8.88E-07	7.94E-06	1.45E-05	8.87E-07	8.04E-06	1.43E-05
1,520	9.96E-07	8.88E-06	1.62E-05	9.64E-07	8.87E-06	1.57E-05	9.34E-07	8.84E-06	1.55E-05	8.88E-07	7.94E-06	1.45E-05	8.87E-07	8.04E-06	1.42E-05
1,521	9.95E-07	8.88E-06	1.62E-05	9.64E-07	8.86E-06	1.57E-05	9.33E-07	8.83E-06	1.55E-05	8.88E-07	7.94E-06	1.45E-05	8.87E-07	8.03E-06	1.42E-05
1,522	9.95E-07	8.87E-06	1.62E-05	9.64E-07	8.86E-06	1.57E-05	9.33E-07	8.83E-06	1.55E-05	8.88E-07	7.92E-06	1.45E-05	8.87E-07	8.03E-06	1.42E-05
1,523	9.94E-07	8.86E-06	1.62E-05	9.64E-07	8.86E-06	1.57E-05	9.33E-07	8.82E-06	1.54E-05	8.86E-07	7.91E-06	1.45E-05	8.87E-07	8.02E-06	1.42E-05
1,524	9.94E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,528	9.92E-07	8.84E-06	1.62E-05	9.62E-07	8.85E-06	1.57E-05	9.29E-07	8.78E-06	1.54E-05	8.85E-07	7.90E-06	1.45E-05	8.84E-07	8.00E-06	1.42E-05
1,529	9.92E-07	8.83E-06	1.62E-05	9.62E-07	8.84E-06	1.57E-05	9.29E-07	8.78E-06	1.54E-05	8.85E-07	7.89E-06	1.45E-05	8.83E-07	8.00E-06	1.42E-05
1,530	9.92E-07	8.82E-06	1.62E-05	9.62E-07	8.84E-06	1.57E-05	9.28E-07	8.78E-06	1.54E-05	8.84E-07	7.89E-06	1.45E-05	8.83E-07	7.99E-06	1.42E-05
1,531	9.92E-07	8.82E-06	1.62E-05	9.61E-07	8.84E-06	1.57E-05	9.27E-07	8.78E-06	1.54E-05	8.84E-07	7.89E-06	1.45E-05	8.83E-07	7.98E-06	1.42E-05
1,532	9.91E-07	8.82E-06	1.62E-05	9.61E-07	8.82E-06	1.56E-05	9.26E-07	8.77E-06	1.54E-05	8.83E-07	7.89E-06	1.45E-05	8.82E-07	7.97E-06	1.42E-05
1,533	9.90E-07	8.80E-06	1.62E-05	9.60E-07	8.82E-06	1.56E-05	9.26E-07	8.77E-06	1.54E-05	8.83E-07	7.88E-06	1.45E-05	8.82E-07	7.97E-06	1.42E-05
1,534	9.89E-07	8.80E-06	1.62E-05	9.60E-07	8.82E-06	1.56E-05	9.26E-07	8.76E-06	1.54E-05	8.82E-07	7.88E-06	1.44E-05	8.80E-07	7.97E-06	1.42E-05
1,535	9.89E-07	8.80E-06	1.62E-05	9.60E-07	8.82E-06	1.56E-05	9.25E-07	8.76E-06	1.54E-05	8.82E-07	7.88E-06	1.44E-05	8.80E-07	7.97E-06	1.42E-05
1,536	9.88E-07	8.80E-06	1.62E-05	9.60E-07	8.81E-06	1.56E-05	9.25E-07	8.75E-06	1.54E-05	8.81E-07	7.88E-06	1.44E-05	8.80E-07	7.97E-06	1.42E-05
1,537	9.88E-07	8.79E-06	1.62E-05	9.59E-07	8.80E-06	1.56E-05	9.24E-07	8.75E-06	1.54E-05	8.80E-07	7.88E-06	1.44E-05	8.79E-07	7.95E-06	1.41E-05
1,538	9.87E-07	8.79E-06	1.62E-05	9.58E-07	8.80E-06	1.56E-05	9.24E-07	8.74E-06	1.54E-05	8.80E-07	7.87E-06	1.44E-05	8.79E-07	7.95E-06	1.41E-05
1,539	9.85E-07	8.78E-06	1.61E-05	9.56E-07	8.80E-06	1.56E-05	9.24E-07	8.74E-06	1.54E-05	8.79E-07	7.87E-06	1.44E-05	8.79E-07	7.94E-06	1.41E-05
1,540	9.85E-07	8.78E-06	1.61E-05	9.56E-07	8.79E-06	1.56E-05	9.24E-07	8.74E-06	1.54E-05	8.79E-07	7.87E-06	1.44E-05	8.79E-07	7.94E-06	1.41E-05
1,541	9.85E-07	8.78E-06	1.61E-05	9.56E-07	8.79E-06	1.56E-05	9.24E-07	8.74E-06	1.54E-05	8.79E-07	7.87E-06	1.44E-05	8.78E-07	7.93E-06	1.41E-05
1,542	9.85E-07	8.78E-06	1.61E-05	9.56E-07	8.79E-06	1.56E-05	9.23E-07	8.74E-06	1.53E-05	8.78E-07	7.86E-06	1.43E-05	8.78E-07	7.93E-06	1.41E-05
1,543	9.84E-07	8.77E-06	1.61E-05	9.56E-07	8.79E-06	1.56E-05	9.21E-07	8.73E-06	1.53E-05	8.78E-07	7.86E-06	1.43E-05	8.78E-07	7.93E-06	1.41E-05
1,544	9.83E-07	8.77E-06	1.61E-05	9.55E-07	8.78E-06	1.56E-05	9.21E-07	8.73E-06	1.53E-05	8.77E-07	7.85E-06	1.43E-05	8.78E-07	7.93E-06	1.41E-05
1,545	9.83E-07	8.76E-06	1.61E-05	9.55E-07	8.78E-06	1.56E-05	9.20E-07	8.72E-06	1.53E-05	8.77E-07	7.85E-06	1.43E-05	8.77E-07	7.93E-06	1.41E-05
1,546	9.83E-07	8.76E-06	1.61E-05	9.54E-07	8.78E-06	1.56E-05	9.20E-07	8.70E-06	1.53E-05	8.76E-07	7.85E-06	1.43E-05	8.77E-07	7.91E-06	1.41E-05
1,547	9.82E-07	8.76E-06	1.61E-05	9.53E-07	8.77E-06	1.56E-05	9.19E-07	8.70E-06	1.53E-05	8.76E-07	7.85E-06	1.43E-05	8.77E-07	7.91E-06	1.41E-05
1,548	9.82E-07	8.75E-06	1.61E-05	9.53E-07	8.77E-06	1.56E-05	9.19E-07	8.69E-06	1.53E-05	8.76E-07	7.85E-06	1.43E-05	8.76E-07	7.91E-06	1.41E-05
1,549	9.82E-07	8.75E-06	1.61E-05	9.53E-07	8.76E-06	1.56E-05	9.19E-07	8.68E-06	1.53E-05	8.75E-07	7.85E-06	1.43E-05	8.76E-07	7.91E-06	1.40E-05
1,550	9.81E-07	8.74E-06	1.61E-05	9.53E-07	8.75E-06	1.56E-05	9.18E-07	8.68E-06	1.53E-05	8.74E-07	7.84E-06	1.43E-05	8.76E-07	7.91E-06	1.40E-05
1,551	9.81E-07	8.73E-06	1.61E-05	9.53E-07	8.75E-06	1.56E-05	9.18E-07	8.68E-06	1.53E-05	8.74E-07	7.84E-06	1.43E-05	8.76E-07	7.90E-06	1.40E-05
1,552	9.80E-07	8.73E-06	1.61E-05	9.52E-07	8.74E-06	1.55E-05	9.18E-07	8.67E-06	1.53E-05	8.73E-07	7.84E-06	1.43E-05	8.75E-07	7.90E-06	1.40E-05
1,553	9.80E-07	8.73E-06	1.61E-05	9.52E-07	8.73E-06	1.55E-05	9.17E-07	8.66E-06	1.53E-05	8.73E-07	7.82E-06	1.43E-05	8.75E-07	7.89E-06	1.40E-05
1,554	9.80E-07	8.72E-06	1.60E-05	9.51E-07	8.73E-06	1.55E-05	9.17E-07	8.66E-06	1.53E-05	8.73E-07	7.82E-06	1.43E-05	8.75E-07	7.89E-06	1.40E-05
1,555	9.79E-07	8.72E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.17E-07	8.66E-06	1.53E-05	8.73E-07	7.81E-06	1.43E-05	8.75E-07	7.89E-06	1.40E-05
1,556	9.78E-07	8.70E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.16E-07	8.64E-06	1.52E-05	8.72E-07	7.81E-06	1.43E-05	8.74E-07	7.89E-06	1.40E-05
1,557	9.78E-07	8.69E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.16E-07	8.63E-06	1.52E-05	8.72E-07	7.80E-06	1.43E-05	8.74E-07	7.89E-06	1.40E-05
1,558	9.78E-07	8.67E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.16E-07	8.63E-06	1.52E-05	8.72E-07	7.79E-06	1.43E-05	8.74E-07	7.88E-06	1.40E-05
1,559	9.77E-07	8.66E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.16E-07	8.62E-06	1.52E-05	8.71E-07	7.79E-06	1.43E-05	8.72E-07	7.88E-06	1.40E-05
1,560	9.77E-07	8.66E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.15E-07	8.62E-06	1.52E-05	8.71E-07	7.79E-06	1.42E-05	8.72E-07	7.88E-06	1.40E-05
1,561	9.77E-07	8.65E-06	1.60E-05	9.51E-07	8.72E-06	1.55E-05	9.15E-07	8.61E-06	1.52E-05	8.71E-07	7.79E-06	1.42E-05	8.71E-07	7.88E-06	1.40E-05
1,562	9.76E-07	8.64E-06	1.60E-05	9.50E-07	8.72E-06	1.55E-05	9.14E-07	8.61E-06	1.52E-05	8.71E-07	7.79E-06	1.42E-05	8.71E-07	7.87E-06	1.40E-05
1,563	9.76E-07	8.64E-06	1.60E-05	9.49E-07	8.70E-06	1.55E-05	9.14E-07	8.61E-06	1.52E-05	8.71E-07	7.78E-06	1.42E-05	8.71E-07	7.86E-06	1.40E-05
1,564	9.75E-07	8.64E-06	1.60E-05	9.48E-07	8.70E-06	1.55E-05	9.11E-07	8.61E-06	1.52E-05	8.71E-07	7.78E-06	1.42E-05	8.71E-07	7.86E-06	1.39E-05
1,565	9.75E-07	8.64E-06	1.60E-05	9.48E-07	8.70E-06	1.55E-05	9.10E-07	8.59E-06	1.52E-05	8.71E-07	7.78E-06	1.42E-05	8.69E-07	7.85E-06	1.39E-05
1,566	9.73E-07	8.63E-06	1.60E-05	9.47E-07	8.70E-06	1.55E-05	9.10E-07	8.58E-06	1.52E-05	8.70E-07	7.77E-06	1.42E-05	8.68E-07	7.84E-06	1.39E-05
1,567	9.71E-07	8.63E-06	1.60E-05	9.47E-07	8.70E-06	1.55E-05	9.09E-07	8.58E-06	1.52E-05	8.70E-07	7.77E-06	1.42E-05	8.68E-07	7.84E-06	1.39E-05
1,568	9.70E-07	8.63E-06	1.60E-05	9.47E-07	8.70E-06	1.55E-05	9.08E-07	8.57E-06	1.51E-05	8.69E-07	7.76E-06	1.42E-05	8.67E-07	7.84E-06	1.39E-05
1,569	9.69E-07	8.63E-06	1.60E-05	9.46E-07	8.69E-06	1.55E-05	9.08E-07	8.57E-06	1.51E-05	8.69E-07	7.75E-06	1.42E-05	8.66E-07	7.84E-06	1.39E-05
1,570	9.68E-07	8.63E-06	1.59E-05	9.45E-07	8.69E-06	1.54E-05	9.08E-07	8.57E-06	1.51E-05	8.69E-07	7.75E-06	1.42E-05	8.65E-07	7.84E-06	1.39E-05
1,571	9.68E-07	8.62E-06	1.59E-05	9.45E-07	8.68E-06	1.54E-05	9.07E-07	8.56E-06	1.51E-05	8.68E-07	7.75E-06	1.41E-05	8.65E-07	7.83E-06	1.39E-05
1,572	9.65E-07	8.62E-06	1.59E-05	9.45E-07	8.68E-06	1.54E-05	9.07E-07	8.56E-06	1.51E-05	8.68E-07	7.74E-06	1.41E-05	8.64E-07	7.83E-06	1.39E-05
1,573	9.65E-07	8.61E-06	1.59E-05	9.44E-07	8.67E-06	1.54E-05	9.07E-07	8.55E-06	1.51E-05	8.68E-07	7.74E-06	1.41E-05	8.64E-07	7.83E-06	1.39E-05
1,574	9.65E-07	8.60E-06	1.59E-05	9.43E-07	8.67E-06	1.54E-05	9.06E-07	8.55E-06	1.51E-05	8.67E-07	7.73E-06	1.41E-05	8.64E-07	7.82E-06	1.39E-05
1,575	9.65E-07	8.60E-06	1.59E-05	9.43E-07	8.66E-06	1.54E-05	9.06E-07	8.55E-06	1.51E-05	8.67E-07	7.72E-06	1.41E-05	8.63E-07	7.81E-06	1.39E-05
1,576	9.64E-07	8.59E-06	1.59E-05	9.42E-07	8.65E-06	1.54E-05	9.06E-07	8.55E-06	1.51E-05	8.67E-07	7.72E-06	1.41E-05	8.63E-07	7.80E-06	1.39E-05
1,577	9.64E-07	8.59E-06	1.59E-05	9.41E-07	8.65E-06	1.54E-05	9.05E-07	8.53E-06	1.51E-05	8.66E-07	7.72E-06	1.41E-05	8.63E-07	7.80E-06	1.39E-05
1,578	9.64E-07	8.58E-06	1.59E-05	9.39E-07	8.65E-06	1.54E-05	9.05E-07	8.53E-06	1.51E-05	8.65E-07	7.72E-06	1.41E-05	8.62E-07	7.80E-06	1.39E-05
1,579	9.63E-07	8.58E-06	1.59E-05	9.39E-07	8.64E-06	1.54E-05	9.05E-07	8.52E-06	1.51E-05	8.65E-07	7.71E-06	1.41E-05	8.62E-07	7.79E-06	1.39E-05
1,580	9.63E-07	8.58E-06	1.59E-05	9.38E-07	8.64E-06	1.54E-05	9.04E-07	8.52E-06	1.51E-05	8.65E-07	7.71E-06	1.41E-05	8.61E-07	7.79E-06	1.38E-05
1,581	9.62E-07	8.58E-06	1.59E-05	9.38E-07	8.64E-06	1.54E-05	9.04E-07	8.52E-06	1.50E-05	8.64E-07	7.71E-06	1.41E-05	8.61E-07	7.79E-06	1.38E-05
1,582	9.61E-07	8.57E-06	1.59E-05	9.38E-07	8.63E-06	1.54E-05	9.04E-07	8.52E-06	1.50E-05	8.62E-07	7.71E-06	1.41E-05	8.61E-07	7.77E-06	1.38E-05
1,583	9.60E-07	8.56E-06	1.59E-05	9.38E-07	8.62E-06	1.54E-05	9.04E-07	8.51E-06	1.50E-05	8.62E-07	7.71E-06	1.41E-05	8.61E-07	7.76E-06	1.38E-05
1,584	9.60E-07	8.56E-06	1.58E-05	9.37E-07	8.62E-06	1.53E-05	9.03E-07	8.51E-06	1.50E-05	8.62E-07	7.71E-06	1.41E-05	8.60E-07	7.76E-06	1.38E-05
1,585	9.60E-07	8.56E-06	1.58E-05	9.37E-07	8.62E-06	1.53E-05	9.03E-07	8.50E-06	1.50E-05	8.62E-07	7.70E-06	1.41E-05	8.60E-07	7.75E-06	1.38E-05
1,586	9.59E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,590	9.58E-07	8.54E-06	1.58E-05	9.35E-07	8.60E-06	1.53E-05	9.02E-07	8.48E-06	1.50E-05	8.59E-07	7.68E-06	1.40E-05	8.59E-07	7.73E-06	1.38E-05
1,591	9.58E-07	8.53E-06	1.58E-05	9.35E-07	8.60E-06	1.53E-05	9.01E-07	8.46E-06	1.50E-05	8.59E-07	7.68E-06	1.40E-05	8.59E-07	7.73E-06	1.38E-05
1,592	9.57E-07	8.52E-06	1.58E-05	9.35E-07	8.60E-06	1.53E-05	9.01E-07	8.46E-06	1.50E-05	8.59E-07	7.68E-06	1.40E-05	8.58E-07	7.71E-06	1.38E-05
1,593	9.56E-07	8.52E-06	1.58E-05	9.34E-07	8.59E-06	1.53E-05	9.01E-07	8.45E-06	1.50E-05	8.59E-07	7.68E-06	1.40E-05	8.57E-07	7.71E-06	1.38E-05
1,594	9.56E-07	8.52E-06	1.58E-05	9.33E-07	8.59E-06	1.53E-05	9.01E-07	8.45E-06	1.50E-05	8.58E-07	7.67E-06	1.40E-05	8.57E-07	7.70E-06	1.38E-05
1,595	9.56E-07	8.51E-06	1.58E-05	9.33E-07	8.58E-06	1.53E-05	9.00E-07	8.45E-06	1.50E-05	8.58E-07	7.67E-06	1.40E-05	8.57E-07	7.70E-06	1.38E-05
1,596	9.55E-07	8.51E-06	1.58E-05	9.32E-07	8.58E-06	1.53E-05	9.00E-07	8.45E-06	1.50E-05	8.57E-07	7.67E-06	1.40E-05	8.57E-07	7.70E-06	1.37E-05
1,597	9.55E-07	8.51E-06	1.58E-05	9.32E-07	8.56E-06	1.53E-05	9.00E-07	8.44E-06	1.49E-05	8.56E-07	7.67E-06	1.40E-05	8.56E-07	7.70E-06	1.37E-05
1,598	9.53E-07	8.50E-06	1.58E-05	9.32E-07	8.55E-06	1.53E-05	8.99E-07	8.44E-06	1.49E-05	8.55E-07	7.67E-06	1.40E-05	8.56E-07	7.70E-06	1.37E-05
1,599	9.53E-07	8.50E-06	1.57E-05	9.32E-07	8.55E-06	1.53E-05	8.99E-07	8.43E-06	1.49E-05	8.55E-07	7.67E-06	1.40E-05	8.55E-07	7.69E-06	1.37E-05
1,600	9.52E-07	8.50E-06	1.57E-05	9.31E-07	8.55E-06	1.52E-05	8.99E-07	8.43E-06	1.49E-05	8.55E-07	7.66E-06	1.40E-05	8.54E-07	7.69E-06	1.37E-05
1,601	9.52E-07	8.49E-06	1.57E-05	9.31E-07	8.54E-06	1.52E-05	8.99E-07	8.43E-06	1.49E-05	8.55E-07	7.66E-06	1.40E-05	8.53E-07	7.68E-06	1.37E-05
1,602	9.51E-07	8.49E-06	1.57E-05	9.31E-07	8.54E-06	1.52E-05	8.98E-07	8.42E-06	1.49E-05	8.54E-07	7.66E-06	1.40E-05	8.53E-07	7.68E-06	1.37E-05
1,603	9.50E-07	8.49E-06	1.57E-05	9.31E-07	8.52E-06	1.52E-05	8.97E-07	8.42E-06	1.49E-05	8.54E-07	7.66E-06	1.40E-05	8.53E-07	7.68E-06	1.37E-05
1,604	9.50E-07	8.49E-06	1.57E-05	9.31E-07	8.52E-06	1.52E-05	8.97E-07	8.42E-06	1.49E-05	8.53E-07	7.65E-06	1.40E-05	8.52E-07	7.68E-06	1.37E-05
1,605	9.50E-07	8.49E-06	1.57E-05	9.31E-07	8.51E-06	1.52E-05	8.97E-07	8.42E-06	1.49E-05	8.52E-07	7.65E-06	1.40E-05	8.52E-07	7.68E-06	1.37E-05
1,606	9.50E-07	8.47E-06	1.57E-05	9.31E-07	8.51E-06	1.52E-05	8.97E-07	8.41E-06	1.49E-05	8.52E-07	7.65E-06	1.40E-05	8.52E-07	7.68E-06	1.37E-05
1,607	9.49E-07	8.47E-06	1.57E-05	9.31E-07	8.51E-06	1.52E-05	8.95E-07	8.40E-06	1.49E-05	8.51E-07	7.64E-06	1.40E-05	8.52E-07	7.67E-06	1.37E-05
1,608	9.49E-07	8.45E-06	1.57E-05	9.30E-07	8.50E-06	1.52E-05	8.94E-07	8.40E-06	1.49E-05	8.50E-07	7.64E-06	1.40E-05	8.52E-07	7.67E-06	1.37E-05
1,609	9.48E-07	8.45E-06	1.57E-05	9.30E-07	8.50E-06	1.52E-05	8.94E-07	8.39E-06	1.49E-05	8.50E-07	7.64E-06	1.40E-05	8.50E-07	7.67E-06	1.37E-05
1,610	9.47E-07	8.43E-06	1.57E-05	9.30E-07	8.50E-06	1.52E-05	8.94E-07	8.39E-06	1.49E-05	8.50E-07	7.63E-06	1.40E-05	8.49E-07	7.67E-06	1.36E-05
1,611	9.46E-07	8.42E-06	1.57E-05	9.30E-07	8.49E-06	1.52E-05	8.93E-07	8.39E-06	1.49E-05	8.50E-07	7.63E-06	1.39E-05	8.49E-07	7.67E-06	1.36E-05
1,612	9.46E-07	8.42E-06	1.57E-05	9.30E-07	8.47E-06	1.52E-05	8.93E-07	8.39E-06	1.49E-05	8.50E-07	7.62E-06	1.39E-05	8.48E-07	7.67E-06	1.36E-05
1,613	9.45E-07	8.42E-06	1.57E-05	9.30E-07	8.47E-06	1.52E-05	8.92E-07	8.38E-06	1.49E-05	8.50E-07	7.62E-06	1.39E-05	8.48E-07	7.66E-06	1.36E-05
1,614	9.45E-07	8.41E-06	1.57E-05	9.30E-07	8.45E-06	1.52E-05	8.92E-07	8.38E-06	1.49E-05	8.50E-07	7.62E-06	1.39E-05	8.48E-07	7.66E-06	1.36E-05
1,615	9.45E-07	8.40E-06	1.57E-05	9.29E-07	8.45E-06	1.52E-05	8.92E-07	8.38E-06	1.49E-05	8.49E-07	7.61E-06	1.39E-05	8.48E-07	7.66E-06	1.36E-05
1,616	9.44E-07	8.40E-06	1.57E-05	9.28E-07	8.45E-06	1.51E-05	8.91E-07	8.38E-06	1.49E-05	8.48E-07	7.60E-06	1.39E-05	8.48E-07	7.65E-06	1.36E-05
1,617	9.44E-07	8.40E-06	1.56E-05	9.28E-07	8.45E-06	1.51E-05	8.91E-07	8.38E-06	1.48E-05	8.48E-07	7.60E-06	1.39E-05	8.47E-07	7.65E-06	1.36E-05
1,618	9.44E-07	8.39E-06	1.56E-05	9.28E-07	8.44E-06	1.51E-05	8.91E-07	8.37E-06	1.48E-05	8.48E-07	7.60E-06	1.39E-05	8.47E-07	7.65E-06	1.36E-05
1,619	9.44E-07	8.39E-06	1.56E-05	9.27E-07	8.44E-06	1.51E-05	8.90E-07	8.36E-06	1.48E-05	8.47E-07	7.58E-06	1.39E-05	8.46E-07	7.64E-06	1.36E-05
1,620	9.43E-07	8.39E-06	1.56E-05	9.27E-07	8.43E-06	1.51E-05	8.88E-07	8.36E-06	1.48E-05	8.46E-07	7.58E-06	1.39E-05	8.45E-07	7.64E-06	1.36E-05
1,621	9.42E-07	8.39E-06	1.56E-05	9.27E-07	8.43E-06	1.51E-05	8.88E-07	8.36E-06	1.48E-05	8.46E-07	7.57E-06	1.39E-05	8.45E-07	7.64E-06	1.36E-05
1,622	9.41E-07	8.38E-06	1.56E-05	9.27E-07	8.43E-06	1.51E-05	8.87E-07	8.36E-06	1.48E-05	8.45E-07	7.57E-06	1.39E-05	8.44E-07	7.63E-06	1.36E-05
1,623	9.41E-07	8.37E-06	1.56E-05	9.27E-07	8.42E-06	1.51E-05	8.87E-07	8.36E-06	1.48E-05	8.45E-07	7.57E-06	1.39E-05	8.44E-07	7.63E-06	1.36E-05
1,624	9.40E-07	8.37E-06	1.56E-05	9.27E-07	8.42E-06	1.51E-05	8.87E-07	8.35E-06	1.48E-05	8.45E-07	7.56E-06	1.39E-05	8.44E-07	7.62E-06	1.36E-05
1,625	9.39E-07	8.37E-06	1.56E-05	9.27E-07	8.42E-06	1.50E-05	8.86E-07	8.35E-06	1.48E-05	8.44E-07	7.55E-06	1.39E-05	8.43E-07	7.61E-06	1.36E-05
1,626	9.39E-07	8.35E-06	1.56E-05	9.26E-07	8.41E-06	1.50E-05	8.86E-07	8.34E-06	1.48E-05	8.44E-07	7.55E-06	1.39E-05	8.43E-07	7.61E-06	1.36E-05
1,627	9.39E-07	8.34E-06	1.56E-05	9.26E-07	8.41E-06	1.50E-05	8.85E-07	8.34E-06	1.48E-05	8.44E-07	7.55E-06	1.39E-05	8.43E-07	7.61E-06	1.36E-05
1,628	9.38E-07	8.34E-06	1.56E-05	9.25E-07	8.41E-06	1.50E-05	8.84E-07	8.34E-06	1.48E-05	8.42E-07	7.53E-06	1.38E-05	8.42E-07	7.61E-06	1.36E-05
1,629	9.38E-07	8.34E-06	1.56E-05	9.25E-07	8.41E-06	1.50E-05	8.84E-07	8.34E-06	1.48E-05	8.42E-07	7.53E-06	1.38E-05	8.41E-07	7.60E-06	1.36E-05
1,630	9.38E-07	8.33E-06	1.56E-05	9.24E-07	8.41E-06	1.50E-05	8.84E-07	8.34E-06	1.47E-05	8.42E-07	7.53E-06	1.38E-05	8.41E-07	7.60E-06	1.36E-05
1,631	9.38E-07	8.33E-06	1.56E-05	9.24E-07	8.40E-06	1.50E-05	8.84E-07	8.34E-06	1.47E-05	8.41E-07	7.53E-06	1.38E-05	8.41E-07	7.60E-06	1.36E-05
1,632	9.38E-07	8.33E-06	1.56E-05	9.23E-07	8.38E-06	1.50E-05	8.84E-07	8.33E-06	1.47E-05	8.40E-07	7.53E-06	1.38E-05	8.40E-07	7.59E-06	1.36E-05
1,633	9.38E-07	8.33E-06	1.56E-05	9.23E-07	8.38E-06	1.50E-05	8.83E-07	8.33E-06	1.47E-05	8.39E-07	7.53E-06	1.38E-05	8.40E-07	7.59E-06	1.36E-05
1,634	9.38E-07	8.32E-06	1.55E-05	9.23E-07	8.37E-06	1.50E-05	8.82E-07	8.32E-06	1.47E-05	8.39E-07	7.52E-06	1.38E-05	8.40E-07	7.59E-06	1.36E-05
1,635	9.38E-07	8.31E-06	1.55E-05	9.23E-07	8.35E-06	1.50E-05	8.82E-07	8.31E-06	1.47E-05	8.39E-07	7.52E-06	1.38E-05	8.40E-07	7.58E-06	1.35E-05
1,636	9.37E-07	8.30E-06	1.55E-05	9.23E-07	8.35E-06	1.50E-05	8.81E-07	8.31E-06	1.47E-05	8.39E-07	7.52E-06	1.38E-05	8.39E-07	7.58E-06	1.35E-05
1,637	9.37E-07	8.30E-06	1.55E-05	9.20E-07	8.35E-06	1.50E-05	8.81E-07	8.31E-06	1.47E-05	8.38E-07	7.52E-06	1.38E-05	8.39E-07	7.58E-06	1.35E-05
1,638	9.37E-07	8.29E-06	1.55E-05	9.20E-07	8.35E-06	1.50E-05	8.81E-07	8.31E-06	1.47E-05	8.37E-07	7.51E-06	1.38E-05	8.38E-07	7.57E-06	1.35E-05
1,639	9.36E-07	8.29E-06	1.55E-05	9.20E-07	8.34E-06	1.49E-05	8.80E-07	8.31E-06	1.47E-05	8.36E-07	7.51E-06	1.38E-05	8.37E-07	7.57E-06	1.35E-05
1,640	9.36E-07	8.28E-06	1.55E-05	9.20E-07	8.33E-06	1.49E-05	8.79E-07	8.30E-06	1.46E-05	8.35E-07	7.50E-06	1.38E-05	8.37E-07	7.57E-06	1.35E-05
1,641	9.34E-07	8.28E-06	1.55E-05	9.19E-07	8.33E-06	1.49E-05	8.79E-07	8.30E-06	1.46E-05	8.35E-07	7.50E-06	1.38E-05	8.37E-07	7.57E-06	1.35E-05
1,642	9.34E-07	8.28E-06	1.55E-05	9.19E-07	8.33E-06	1.49E-05	8.79E-07	8.30E-06	1.46E-05	8.34E-07	7.49E-06	1.38E-05	8.37E-07	7.54E-06	1.35E-05
1,643	9.34E-07	8.27E-06	1.55E-05	9.19E-07	8.32E-06	1.49E-05	8.79E-07	8.29E-06	1.46E-05	8.34E-07	7.48E-06	1.38E-05	8.37E-07	7.54E-06	1.35E-05
1,644	9.32E-07	8.27E-06	1.55E-05	9.18E-07	8.32E-06	1.49E-05	8.78E-07	8.28E-06	1.46E-05	8.34E-07	7.48E-06	1.38E-05	8.36E-07	7.53E-06	1.35E-05
1,645	9.32E-07	8.27E-06	1.55E-05	9.18E-07	8.32E-06	1.49E-05	8.78E-07	8.27E-06	1.46E-05	8.33E-07	7.48E-06	1.38E-05	8.36E-07	7.53E-06	1.35E-05
1,646	9.31E-07	8.27E-06	1.55E-05	9.18E-07	8.31E-06	1.49E-05	8.78E-07	8.27E-06	1.46E-05	8.33E-07	7.48E-06	1.38E-05	8.36E-07	7.53E-06	1.35E-05
1,647	9.31E-07	8.26E-06	1.55E-05	9.18E-07	8.31E-06	1.49E-05	8.77E-07	8.27E-06	1.46E-05	8.32E-07	7.47E-06	1.38E-05	8.36E-07	7.52E-06	1.35E-05
1,648	9.31E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,652	9.30E-07	8.24E-06	1.54E-05	9.15E-07	8.30E-06	1.49E-05	8.75E-07	8.25E-06	1.45E-05	8.30E-07	7.45E-06	1.37E-05	8.34E-07	7.50E-06	1.34E-05
1,653	9.30E-07	8.24E-06	1.54E-05	9.14E-07	8.30E-06	1.49E-05	8.74E-07	8.25E-06	1.45E-05	8.30E-07	7.45E-06	1.37E-05	8.34E-07	7.49E-06	1.34E-05
1,654	9.29E-07	8.23E-06	1.54E-05	9.13E-07	8.30E-06	1.49E-05	8.73E-07	8.24E-06	1.45E-05	8.30E-07	7.45E-06	1.37E-05	8.34E-07	7.49E-06	1.34E-05
1,655	9.29E-07	8.23E-06	1.54E-05	9.12E-07	8.30E-06	1.49E-05	8.73E-07	8.23E-06	1.45E-05	8.29E-07	7.45E-06	1.37E-05	8.34E-07	7.48E-06	1.34E-05
1,656	9.28E-07	8.22E-06	1.54E-05	9.12E-07	8.29E-06	1.49E-05	8.73E-07	8.22E-06	1.45E-05	8.29E-07	7.44E-06	1.37E-05	8.33E-07	7.48E-06	1.34E-05
1,657	9.28E-07	8.22E-06	1.54E-05	9.11E-07	8.29E-06	1.49E-05	8.73E-07	8.21E-06	1.45E-05	8.29E-07	7.44E-06	1.37E-05	8.33E-07	7.48E-06	1.34E-05
1,658	9.28E-07	8.22E-06	1.54E-05	9.10E-07	8.29E-06	1.49E-05	8.73E-07	8.19E-06	1.45E-05	8.29E-07	7.44E-06	1.37E-05	8.33E-07	7.48E-06	1.34E-05
1,659	9.28E-07	8.22E-06	1.54E-05	9.10E-07	8.29E-06	1.49E-05	8.73E-07	8.19E-06	1.45E-05	8.28E-07	7.44E-06	1.37E-05	8.33E-07	7.48E-06	1.34E-05
1,660	9.27E-07	8.21E-06	1.54E-05	9.09E-07	8.29E-06	1.48E-05	8.73E-07	8.19E-06	1.45E-05	8.28E-07	7.44E-06	1.37E-05	8.32E-07	7.48E-06	1.34E-05
1,661	9.27E-07	8.20E-06	1.54E-05	9.09E-07	8.28E-06	1.48E-05	8.72E-07	8.19E-06	1.45E-05	8.28E-07	7.44E-06	1.37E-05	8.31E-07	7.47E-06	1.34E-05
1,662	9.27E-07	8.20E-06	1.54E-05	9.09E-07	8.28E-06	1.48E-05	8.72E-07	8.18E-06	1.45E-05	8.27E-07	7.43E-06	1.37E-05	8.31E-07	7.47E-06	1.34E-05
1,663	9.27E-07	8.19E-06	1.54E-05	9.08E-07	8.28E-06	1.48E-05	8.72E-07	8.18E-06	1.45E-05	8.27E-07	7.43E-06	1.37E-05	8.31E-07	7.47E-06	1.34E-05
1,664	9.27E-07	8.19E-06	1.54E-05	9.08E-07	8.27E-06	1.48E-05	8.72E-07	8.17E-06	1.45E-05	8.26E-07	7.43E-06	1.37E-05	8.30E-07	7.46E-06	1.33E-05
1,665	9.26E-07	8.18E-06	1.54E-05	9.08E-07	8.27E-06	1.48E-05	8.71E-07	8.17E-06	1.44E-05	8.26E-07	7.43E-06	1.37E-05	8.30E-07	7.45E-06	1.33E-05
1,666	9.26E-07	8.18E-06	1.54E-05	9.08E-07	8.26E-06	1.48E-05	8.71E-07	8.17E-06	1.44E-05	8.25E-07	7.42E-06	1.37E-05	8.29E-07	7.45E-06	1.33E-05
1,667	9.26E-07	8.17E-06	1.54E-05	9.07E-07	8.26E-06	1.48E-05	8.71E-07	8.16E-06	1.44E-05	8.25E-07	7.42E-06	1.37E-05	8.28E-07	7.45E-06	1.33E-05
1,668	9.26E-07	8.17E-06	1.53E-05	9.06E-07	8.26E-06	1.48E-05	8.70E-07	8.15E-06	1.44E-05	8.24E-07	7.42E-06	1.36E-05	8.28E-07	7.45E-06	1.33E-05
1,669	9.26E-07	8.17E-06	1.53E-05	9.06E-07	8.25E-06	1.48E-05	8.70E-07	8.14E-06	1.44E-05	8.24E-07	7.41E-06	1.36E-05	8.28E-07	7.44E-06	1.33E-05
1,670	9.25E-07	8.16E-06	1.53E-05	9.04E-07	8.25E-06	1.48E-05	8.69E-07	8.14E-06	1.44E-05	8.23E-07	7.41E-06	1.36E-05	8.28E-07	7.44E-06	1.33E-05
1,671	9.25E-07	8.16E-06	1.53E-05	9.04E-07	8.25E-06	1.48E-05	8.69E-07	8.14E-06	1.44E-05	8.23E-07	7.41E-06	1.36E-05	8.27E-07	7.44E-06	1.33E-05
1,672	9.24E-07	8.16E-06	1.53E-05	9.04E-07	8.24E-06	1.48E-05	8.69E-07	8.14E-06	1.44E-05	8.22E-07	7.40E-06	1.36E-05	8.27E-07	7.43E-06	1.33E-05
1,673	9.24E-07	8.15E-06	1.53E-05	9.03E-07	8.24E-06	1.48E-05	8.68E-07	8.13E-06	1.44E-05	8.22E-07	7.40E-06	1.36E-05	8.26E-07	7.41E-06	1.33E-05
1,674	9.24E-07	8.15E-06	1.53E-05	9.01E-07	8.24E-06	1.48E-05	8.68E-07	8.13E-06	1.44E-05	8.22E-07	7.40E-06	1.36E-05	8.26E-07	7.41E-06	1.33E-05
1,675	9.23E-07	8.15E-06	1.53E-05	9.01E-07	8.23E-06	1.48E-05	8.67E-07	8.13E-06	1.44E-05	8.22E-07	7.39E-06	1.36E-05	8.26E-07	7.41E-06	1.33E-05
1,676	9.22E-07	8.15E-06	1.53E-05	9.01E-07	8.23E-06	1.48E-05	8.67E-07	8.12E-06	1.44E-05	8.22E-07	7.39E-06	1.36E-05	8.26E-07	7.41E-06	1.33E-05
1,677	9.22E-07	8.14E-06	1.53E-05	9.01E-07	8.23E-06	1.48E-05	8.67E-07	8.12E-06	1.44E-05	8.22E-07	7.38E-06	1.36E-05	8.24E-07	7.41E-06	1.33E-05
1,678	9.21E-07	8.14E-06	1.53E-05	9.00E-07	8.22E-06	1.47E-05	8.67E-07	8.12E-06	1.44E-05	8.21E-07	7.37E-06	1.36E-05	8.24E-07	7.40E-06	1.33E-05
1,679	9.21E-07	8.14E-06	1.53E-05	8.99E-07	8.22E-06	1.47E-05	8.66E-07	8.12E-06	1.43E-05	8.20E-07	7.37E-06	1.36E-05	8.24E-07	7.39E-06	1.33E-05
1,680	9.21E-07	8.14E-06	1.53E-05	8.99E-07	8.22E-06	1.47E-05	8.66E-07	8.12E-06	1.43E-05	8.19E-07	7.37E-06	1.35E-05	8.24E-07	7.39E-06	1.33E-05
1,681	9.20E-07	8.14E-06	1.53E-05	8.99E-07	8.21E-06	1.47E-05	8.66E-07	8.11E-06	1.43E-05	8.19E-07	7.36E-06	1.35E-05	8.24E-07	7.39E-06	1.33E-05
1,682	9.20E-07	8.14E-06	1.53E-05	8.98E-07	8.21E-06	1.47E-05	8.66E-07	8.11E-06	1.43E-05	8.18E-07	7.36E-06	1.35E-05	8.23E-07	7.39E-06	1.33E-05
1,683	9.20E-07	8.13E-06	1.52E-05	8.98E-07	8.20E-06	1.47E-05	8.65E-07	8.10E-06	1.43E-05	8.18E-07	7.36E-06	1.35E-05	8.23E-07	7.38E-06	1.33E-05
1,684	9.20E-07	8.13E-06	1.52E-05	8.98E-07	8.18E-06	1.47E-05	8.64E-07	8.10E-06	1.43E-05	8.18E-07	7.35E-06	1.35E-05	8.23E-07	7.38E-06	1.33E-05
1,685	9.19E-07	8.12E-06	1.52E-05	8.98E-07	8.17E-06	1.47E-05	8.64E-07	8.10E-06	1.43E-05	8.17E-07	7.35E-06	1.35E-05	8.23E-07	7.38E-06	1.32E-05
1,686	9.19E-07	8.12E-06	1.52E-05	8.98E-07	8.16E-06	1.47E-05	8.64E-07	8.08E-06	1.43E-05	8.17E-07	7.34E-06	1.35E-05	8.23E-07	7.38E-06	1.32E-05
1,687	9.19E-07	8.11E-06	1.52E-05	8.96E-07	8.16E-06	1.47E-05	8.64E-07	8.08E-06	1.43E-05	8.17E-07	7.34E-06	1.35E-05	8.21E-07	7.37E-06	1.32E-05
1,688	9.16E-07	8.11E-06	1.52E-05	8.95E-07	8.15E-06	1.47E-05	8.63E-07	8.07E-06	1.43E-05	8.15E-07	7.34E-06	1.35E-05	8.21E-07	7.37E-06	1.32E-05
1,689	9.16E-07	8.11E-06	1.52E-05	8.95E-07	8.15E-06	1.47E-05	8.62E-07	8.07E-06	1.43E-05	8.15E-07	7.33E-06	1.35E-05	8.20E-07	7.37E-06	1.32E-05
1,690	9.16E-07	8.11E-06	1.52E-05	8.95E-07	8.14E-06	1.47E-05	8.62E-07	8.06E-06	1.43E-05	8.14E-07	7.33E-06	1.35E-05	8.19E-07	7.36E-06	1.32E-05
1,691	9.16E-07	8.10E-06	1.52E-05	8.94E-07	8.14E-06	1.47E-05	8.62E-07	8.06E-06	1.43E-05	8.14E-07	7.32E-06	1.34E-05	8.19E-07	7.36E-06	1.32E-05
1,692	9.15E-07	8.10E-06	1.52E-05	8.93E-07	8.14E-06	1.47E-05	8.62E-07	8.05E-06	1.43E-05	8.14E-07	7.32E-06	1.34E-05	8.19E-07	7.36E-06	1.32E-05
1,693	9.15E-07	8.09E-06	1.52E-05	8.93E-07	8.14E-06	1.47E-05	8.61E-07	8.05E-06	1.43E-05	8.14E-07	7.32E-06	1.34E-05	8.19E-07	7.35E-06	1.32E-05
1,694	9.15E-07	8.09E-06	1.52E-05	8.93E-07	8.13E-06	1.47E-05	8.61E-07	8.05E-06	1.43E-05	8.13E-07	7.31E-06	1.34E-05	8.18E-07	7.35E-06	1.32E-05
1,695	9.15E-07	8.09E-06	1.52E-05	8.92E-07	8.13E-06	1.47E-05	8.61E-07	8.05E-06	1.42E-05	8.13E-07	7.31E-06	1.34E-05	8.17E-07	7.35E-06	1.32E-05
1,696	9.15E-07	8.08E-06	1.52E-05	8.91E-07	8.13E-06	1.47E-05	8.61E-07	8.04E-06	1.42E-05	8.13E-07	7.31E-06	1.34E-05	8.17E-07	7.34E-06	1.32E-05
1,697	9.14E-07	8.08E-06	1.52E-05	8.89E-07	8.12E-06	1.47E-05	8.61E-07	8.03E-06	1.42E-05	8.12E-07	7.31E-06	1.34E-05	8.17E-07	7.34E-06	1.32E-05
1,698	9.14E-07	8.08E-06	1.52E-05	8.89E-07	8.12E-06	1.46E-05	8.61E-07	8.03E-06	1.42E-05	8.12E-07	7.29E-06	1.34E-05	8.17E-07	7.33E-06	1.32E-05
1,699	9.14E-07	8.07E-06	1.52E-05	8.89E-07	8.12E-06	1.46E-05	8.60E-07	8.03E-06	1.42E-05	8.12E-07	7.29E-06	1.34E-05	8.17E-07	7.33E-06	1.32E-05
1,700	9.14E-07	8.07E-06	1.52E-05	8.88E-07	8.11E-06	1.46E-05	8.60E-07	8.03E-06	1.42E-05	8.12E-07	7.29E-06	1.34E-05	8.16E-07	7.33E-06	1.32E-05
1,701	9.13E-07	8.07E-06	1.52E-05	8.88E-07	8.10E-06	1.46E-05	8.60E-07	8.03E-06	1.42E-05	8.11E-07	7.29E-06	1.34E-05	8.16E-07	7.33E-06	1.32E-05
1,702	9.13E-07	8.07E-06	1.52E-05	8.88E-07	8.10E-06	1.46E-05	8.60E-07	8.02E-06	1.42E-05	8.11E-07	7.28E-06	1.34E-05	8.16E-07	7.32E-06	1.32E-05
1,703	9.13E-07	8.07E-06	1.52E-05	8.88E-07	8.10E-06	1.46E-05	8.60E-07	8.02E-06	1.42E-05	8.11E-07	7.28E-06	1.34E-05	8.16E-07	7.32E-06	1.31E-05
1,704	9.12E-07	8.06E-06	1.52E-05	8.87E-07	8.10E-06	1.46E-05	8.59E-07	8.02E-06	1.42E-05	8.11E-07	7.28E-06	1.33E-05	8.15E-07	7.32E-06	1.31E-05
1,705	9.12E-07	8.06E-06	1.52E-05	8.87E-07	8.09E-06	1.46E-05	8.59E-07	8.01E-06	1.42E-05	8.11E-07	7.28E-06	1.33E-05	8.15E-07	7.32E-06	1.31E-05
1,706	9.12E-07	8.05E-06	1.52E-05	8.87E-07	8.09E-06	1.46E-05	8.59E-07	8.01E-06	1.42E-05	8.10E-07	7.28E-06	1.33E-05	8.15E-07	7.32E-06	1.31E-05
1,707	9.11E-07	8.05E-06	1.52E-05	8.87E-07	8.09E-06	1.46E-05	8.59E-07	8.01E-06	1.42E-05	8.10E-07	7.27E-06	1.33E-05	8.15E-07	7.31E-06	1.31E-05
1,708	9.11E-07	8.05E-06	1.51E-05	8.87E-07	8.08E-06	1.46E-05	8.58E-07	8.01E-06	1.42E-05	8.10E-07	7.26E-06	1.33E-05	8.14E-07	7.31E-06	1.31E-05
1,709	9.10E-07	8.05E-06	1.51E-05	8.87E-07	8.08E-06	1.46E-05	8.58E-07	8.01E-06	1.42E-05	8.10E-07	7.26E-06	1.33E-05	8.13E-07	7.29E-06	1.31E-05
1,710	9.10E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,714	9.09E-07	8.04E-06	1.51E-05	8.83E-07	8.07E-06	1.45E-05	8.57E-07	7.98E-06	1.41E-05	8.09E-07	7.24E-06	1.33E-05	8.12E-07	7.28E-06	1.31E-05
1,715	9.08E-07	8.03E-06	1.51E-05	8.83E-07	8.06E-06	1.45E-05	8.55E-07	7.98E-06	1.41E-05	8.09E-07	7.24E-06	1.33E-05	8.12E-07	7.26E-06	1.31E-05
1,716	9.08E-07	8.03E-06	1.51E-05	8.81E-07	8.06E-06	1.45E-05	8.55E-07	7.97E-06	1.41E-05	8.09E-07	7.24E-06	1.32E-05	8.12E-07	7.26E-06	1.31E-05
1,717	9.08E-07	8.02E-06	1.51E-05	8.81E-07	8.06E-06	1.45E-05	8.55E-07	7.97E-06	1.41E-05	8.09E-07	7.23E-06	1.32E-05	8.11E-07	7.25E-06	1.31E-05
1,718	9.07E-07	8.02E-06	1.51E-05	8.80E-07	8.06E-06	1.45E-05	8.55E-07	7.96E-06	1.41E-05	8.08E-07	7.23E-06	1.32E-05	8.10E-07	7.25E-06	1.31E-05
1,719	9.07E-07	8.01E-06	1.51E-05	8.80E-07	8.06E-06	1.45E-05	8.54E-07	7.96E-06	1.41E-05	8.08E-07	7.23E-06	1.32E-05	8.10E-07	7.25E-06	1.31E-05
1,720	9.06E-07	8.01E-06	1.51E-05	8.80E-07	8.06E-06	1.45E-05	8.54E-07	7.95E-06	1.41E-05	8.07E-07	7.23E-06	1.32E-05	8.10E-07	7.25E-06	1.31E-05
1,721	9.06E-07	8.01E-06	1.51E-05	8.80E-07	8.05E-06	1.45E-05	8.53E-07	7.95E-06	1.41E-05	8.07E-07	7.23E-06	1.32E-05	8.09E-07	7.25E-06	1.30E-05
1,722	9.06E-07	8.01E-06	1.51E-05	8.79E-07	8.05E-06	1.45E-05	8.53E-07	7.95E-06	1.41E-05	8.06E-07	7.22E-06	1.32E-05	8.08E-07	7.24E-06	1.30E-05
1,723	9.06E-07	8.00E-06	1.51E-05	8.79E-07	8.05E-06	1.45E-05	8.53E-07	7.94E-06	1.41E-05	8.05E-07	7.22E-06	1.32E-05	8.08E-07	7.23E-06	1.30E-05
1,724	9.06E-07	8.00E-06	1.51E-05	8.78E-07	8.05E-06	1.45E-05	8.52E-07	7.94E-06	1.41E-05	8.05E-07	7.22E-06	1.32E-05	8.08E-07	7.22E-06	1.30E-05
1,725	9.06E-07	8.00E-06	1.51E-05	8.78E-07	8.05E-06	1.45E-05	8.52E-07	7.94E-06	1.41E-05	8.05E-07	7.22E-06	1.32E-05	8.08E-07	7.21E-06	1.30E-05
1,726	9.05E-07	8.00E-06	1.51E-05	8.78E-07	8.05E-06	1.44E-05	8.52E-07	7.93E-06	1.41E-05	8.04E-07	7.21E-06	1.32E-05	8.07E-07	7.21E-06	1.30E-05
1,727	9.05E-07	7.99E-06	1.50E-05	8.78E-07	8.04E-06	1.44E-05	8.52E-07	7.92E-06	1.41E-05	8.03E-07	7.21E-06	1.32E-05	8.07E-07	7.20E-06	1.30E-05
1,728	9.05E-07	7.99E-06	1.50E-05	8.77E-07	8.04E-06	1.44E-05	8.51E-07	7.91E-06	1.41E-05	8.02E-07	7.20E-06	1.32E-05	8.07E-07	7.20E-06	1.30E-05
1,729	9.04E-07	7.98E-06	1.50E-05	8.77E-07	8.04E-06	1.44E-05	8.51E-07	7.91E-06	1.41E-05	8.02E-07	7.20E-06	1.32E-05	8.07E-07	7.19E-06	1.30E-05
1,730	9.04E-07	7.98E-06	1.50E-05	8.77E-07	8.03E-06	1.44E-05	8.51E-07	7.90E-06	1.41E-05	8.01E-07	7.20E-06	1.32E-05	8.07E-07	7.19E-06	1.30E-05
1,731	9.04E-07	7.98E-06	1.50E-05	8.76E-07	8.02E-06	1.44E-05	8.51E-07	7.90E-06	1.41E-05	8.00E-07	7.19E-06	1.32E-05	8.06E-07	7.19E-06	1.30E-05
1,732	9.04E-07	7.98E-06	1.50E-05	8.76E-07	8.02E-06	1.44E-05	8.50E-07	7.89E-06	1.41E-05	8.00E-07	7.19E-06	1.32E-05	8.06E-07	7.18E-06	1.30E-05
1,733	9.03E-07	7.97E-06	1.50E-05	8.75E-07	8.01E-06	1.44E-05	8.50E-07	7.89E-06	1.41E-05	8.00E-07	7.19E-06	1.32E-05	8.06E-07	7.18E-06	1.30E-05
1,734	9.03E-07	7.97E-06	1.50E-05	8.75E-07	8.01E-06	1.44E-05	8.49E-07	7.89E-06	1.41E-05	7.99E-07	7.19E-06	1.32E-05	8.06E-07	7.18E-06	1.30E-05
1,735	9.02E-07	7.97E-06	1.50E-05	8.75E-07	8.01E-06	1.44E-05	8.48E-07	7.89E-06	1.41E-05	7.98E-07	7.18E-06	1.32E-05	8.06E-07	7.17E-06	1.30E-05
1,736	9.02E-07	7.97E-06	1.50E-05	8.75E-07	8.01E-06	1.44E-05	8.48E-07	7.88E-06	1.41E-05	7.97E-07	7.18E-06	1.31E-05	8.06E-07	7.17E-06	1.30E-05
1,737	9.02E-07	7.97E-06	1.50E-05	8.74E-07	8.01E-06	1.44E-05	8.46E-07	7.88E-06	1.41E-05	7.97E-07	7.18E-06	1.31E-05	8.05E-07	7.17E-06	1.30E-05
1,738	9.00E-07	7.96E-06	1.50E-05	8.74E-07	8.00E-06	1.44E-05	8.46E-07	7.88E-06	1.41E-05	7.97E-07	7.18E-06	1.31E-05	8.05E-07	7.17E-06	1.30E-05
1,739	8.99E-07	7.96E-06	1.50E-05	8.73E-07	7.99E-06	1.44E-05	8.46E-07	7.87E-06	1.40E-05	7.97E-07	7.18E-06	1.31E-05	8.05E-07	7.17E-06	1.29E-05
1,740	8.99E-07	7.96E-06	1.50E-05	8.73E-07	7.99E-06	1.44E-05	8.45E-07	7.87E-06	1.40E-05	7.97E-07	7.17E-06	1.31E-05	8.05E-07	7.16E-06	1.29E-05
1,741	8.99E-07	7.95E-06	1.49E-05	8.73E-07	7.99E-06	1.44E-05	8.45E-07	7.86E-06	1.40E-05	7.96E-07	7.17E-06	1.31E-05	8.04E-07	7.14E-06	1.29E-05
1,742	8.99E-07	7.95E-06	1.49E-05	8.72E-07	7.99E-06	1.44E-05	8.45E-07	7.86E-06	1.40E-05	7.96E-07	7.17E-06	1.31E-05	8.04E-07	7.14E-06	1.29E-05
1,743	8.99E-07	7.95E-06	1.49E-05	8.72E-07	7.98E-06	1.43E-05	8.45E-07	7.86E-06	1.40E-05	7.96E-07	7.17E-06	1.31E-05	8.03E-07	7.13E-06	1.29E-05
1,744	8.99E-07	7.95E-06	1.49E-05	8.71E-07	7.98E-06	1.43E-05	8.45E-07	7.86E-06	1.40E-05	7.96E-07	7.16E-06	1.31E-05	8.03E-07	7.13E-06	1.29E-05
1,745	8.98E-07	7.94E-06	1.49E-05	8.71E-07	7.97E-06	1.43E-05	8.44E-07	7.86E-06	1.40E-05	7.96E-07	7.16E-06	1.31E-05	8.02E-07	7.12E-06	1.29E-05
1,746	8.98E-07	7.93E-06	1.49E-05	8.70E-07	7.97E-06	1.43E-05	8.44E-07	7.86E-06	1.40E-05	7.95E-07	7.15E-06	1.31E-05	8.01E-07	7.12E-06	1.29E-05
1,747	8.98E-07	7.93E-06	1.49E-05	8.70E-07	7.97E-06	1.43E-05	8.44E-07	7.85E-06	1.40E-05	7.95E-07	7.14E-06	1.31E-05	8.01E-07	7.11E-06	1.29E-05
1,748	8.97E-07	7.93E-06	1.49E-05	8.70E-07	7.97E-06	1.43E-05	8.44E-07	7.85E-06	1.40E-05	7.94E-07	7.14E-06	1.31E-05	8.01E-07	7.11E-06	1.29E-05
1,749	8.97E-07	7.93E-06	1.49E-05	8.70E-07	7.96E-06	1.43E-05	8.44E-07	7.84E-06	1.40E-05	7.94E-07	7.14E-06	1.31E-05	8.00E-07	7.11E-06	1.29E-05
1,750	8.96E-07	7.93E-06	1.49E-05	8.70E-07	7.96E-06	1.43E-05	8.43E-07	7.84E-06	1.40E-05	7.94E-07	7.14E-06	1.31E-05	7.99E-07	7.11E-06	1.29E-05
1,751	8.96E-07	7.92E-06	1.49E-05	8.70E-07	7.95E-06	1.43E-05	8.43E-07	7.84E-06	1.40E-05	7.94E-07	7.13E-06	1.31E-05	7.99E-07	7.11E-06	1.29E-05
1,752	8.96E-07	7.92E-06	1.49E-05	8.69E-07	7.95E-06	1.43E-05	8.43E-07	7.82E-06	1.40E-05	7.93E-07	7.13E-06	1.31E-05	7.99E-07	7.10E-06	1.29E-05
1,753	8.95E-07	7.92E-06	1.49E-05	8.69E-07	7.92E-06	1.43E-05	8.42E-07	7.82E-06	1.40E-05	7.92E-07	7.13E-06	1.31E-05	7.99E-07	7.10E-06	1.29E-05
1,754	8.95E-07	7.91E-06	1.49E-05	8.69E-07	7.91E-06	1.43E-05	8.42E-07	7.82E-06	1.39E-05	7.92E-07	7.12E-06	1.31E-05	7.99E-07	7.09E-06	1.29E-05
1,755	8.95E-07	7.90E-06	1.49E-05	8.69E-07	7.91E-06	1.43E-05	8.42E-07	7.81E-06	1.39E-05	7.92E-07	7.12E-06	1.30E-05	7.99E-07	7.09E-06	1.29E-05
1,756	8.95E-07	7.89E-06	1.49E-05	8.69E-07	7.91E-06	1.42E-05	8.42E-07	7.81E-06	1.39E-05	7.91E-07	7.12E-06	1.30E-05	7.99E-07	7.09E-06	1.28E-05
1,757	8.94E-07	7.89E-06	1.49E-05	8.69E-07	7.90E-06	1.42E-05	8.42E-07	7.80E-06	1.39E-05	7.91E-07	7.12E-06	1.30E-05	7.98E-07	7.09E-06	1.28E-05
1,758	8.94E-07	7.88E-06	1.49E-05	8.68E-07	7.90E-06	1.42E-05	8.41E-07	7.80E-06	1.39E-05	7.91E-07	7.11E-06	1.30E-05	7.98E-07	7.08E-06	1.28E-05
1,759	8.94E-07	7.87E-06	1.49E-05	8.68E-07	7.90E-06	1.42E-05	8.41E-07	7.80E-06	1.39E-05	7.90E-07	7.11E-06	1.30E-05	7.98E-07	7.08E-06	1.28E-05
1,760	8.93E-07	7.87E-06	1.49E-05	8.68E-07	7.90E-06	1.42E-05	8.41E-07	7.80E-06	1.39E-05	7.90E-07	7.11E-06	1.30E-05	7.97E-07	7.07E-06	1.28E-05
1,761	8.92E-07	7.87E-06	1.49E-05	8.68E-07	7.89E-06	1.42E-05	8.41E-07	7.80E-06	1.39E-05	7.90E-07	7.11E-06	1.30E-05	7.97E-07	7.07E-06	1.28E-05
1,762	8.92E-07	7.86E-06	1.49E-05	8.68E-07	7.89E-06	1.42E-05	8.41E-07	7.79E-06	1.39E-05	7.89E-07	7.11E-06	1.30E-05	7.97E-07	7.07E-06	1.28E-05
1,763	8.92E-07	7.86E-06	1.49E-05	8.68E-07	7.89E-06	1.42E-05	8.41E-07	7.79E-06	1.39E-05	7.88E-07	7.11E-06	1.30E-05	7.97E-07	7.07E-06	1.28E-05
1,764	8.92E-07	7.86E-06	1.49E-05	8.67E-07	7.89E-06	1.42E-05	8.41E-07	7.78E-06	1.39E-05	7.87E-07	7.11E-06	1.30E-05	7.95E-07	7.06E-06	1.28E-05
1,765	8.91E-07	7.85E-06	1.49E-05	8.65E-07	7.88E-06	1.42E-05	8.39E-07	7.77E-06	1.39E-05	7.87E-07	7.10E-06	1.30E-05	7.95E-07	7.05E-06	1.28E-05
1,766	8.91E-07	7.85E-06	1.48E-05	8.62E-07	7.88E-06	1.42E-05	8.39E-07	7.77E-06	1.39E-05	7.87E-07	7.10E-06	1.30E-05	7.94E-07	7.05E-06	1.28E-05
1,767	8.91E-07	7.84E-06	1.48E-05	8.62E-07	7.88E-06	1.42E-05	8.39E-07	7.77E-06	1.39E-05	7.86E-07	7.10E-06	1.30E-05	7.94E-07	7.04E-06	1.28E-05
1,768	8.91E-07	7.83E-06	1.48E-05	8.62E-07	7.88E-06	1.42E-05	8.38E-07	7.77E-06	1.39E-05	7.86E-07	7.10E-06	1.30E-05	7.94E-07	7.04E-06	1.28E-05
1,769	8.90E-07	7.83E-06	1.48E-05	8.61E-07	7.88E-06	1.42E-05	8.38E-07	7.76E-06	1.39E-05	7.86E-07	7.09E-06	1.30E-05	7.94E-07	7.04E-06	1.28E-05
1,770	8.90E-07	7.83E-06	1.48E-05	8.61E-07	7.88E-06	1.42E-05	8.37E-07	7.75E-06	1.39E-05	7.86E-07	7.09E-06	1.30E-05	7.92E-07	7.04E-06	1.28E-05
1,771	8.89E-07	7.83E-06	1.48E-05	8.61E-07	7.87E-06	1.42E-05	8.37E-07	7.74E-06	1.39E-05	7.86E-07	7.09E-06	1.30E-05	7.91E-07	7.04E-06	1.28E-05
1,772	8.89E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,776	8.86E-07	7.82E-06	1.48E-05	8.60E-07	7.86E-06	1.42E-05	8.36E-07	7.72E-06	1.38E-05	7.84E-07	7.08E-06	1.29E-05	7.89E-07	7.02E-06	1.27E-05
1,777	8.84E-07	7.81E-06	1.48E-05	8.60E-07	7.86E-06	1.42E-05	8.35E-07	7.72E-06	1.38E-05	7.84E-07	7.08E-06	1.29E-05	7.88E-07	7.01E-06	1.27E-05
1,778	8.84E-07	7.81E-06	1.48E-05	8.59E-07	7.86E-06	1.42E-05	8.35E-07	7.72E-06	1.38E-05	7.84E-07	7.08E-06	1.29E-05	7.88E-07	7.01E-06	1.27E-05
1,779	8.84E-07	7.80E-06	1.48E-05	8.59E-07	7.85E-06	1.42E-05	8.35E-07	7.71E-06	1.38E-05	7.84E-07	7.08E-06	1.29E-05	7.88E-07	7.00E-06	1.27E-05
1,780	8.83E-07	7.79E-06	1.48E-05	8.57E-07	7.85E-06	1.42E-05	8.35E-07	7.71E-06	1.38E-05	7.84E-07	7.08E-06	1.29E-05	7.87E-07	7.00E-06	1.27E-05
1,781	8.83E-07	7.79E-06	1.48E-05	8.57E-07	7.84E-06	1.42E-05	8.34E-07	7.71E-06	1.38E-05	7.83E-07	7.07E-06	1.29E-05	7.86E-07	7.00E-06	1.27E-05
1,782	8.83E-07	7.78E-06	1.48E-05	8.57E-07	7.84E-06	1.41E-05	8.34E-07	7.70E-06	1.38E-05	7.81E-07	7.07E-06	1.29E-05	7.86E-07	6.99E-06	1.27E-05
1,783	8.83E-07	7.77E-06	1.47E-05	8.57E-07	7.84E-06	1.41E-05	8.33E-07	7.69E-06	1.38E-05	7.81E-07	7.07E-06	1.29E-05	7.85E-07	6.99E-06	1.27E-05
1,784	8.82E-07	7.76E-06	1.47E-05	8.56E-07	7.84E-06	1.41E-05	8.33E-07	7.69E-06	1.38E-05	7.81E-07	7.05E-06	1.29E-05	7.85E-07	6.99E-06	1.27E-05
1,785	8.82E-07	7.75E-06	1.47E-05	8.56E-07	7.83E-06	1.41E-05	8.33E-07	7.69E-06	1.38E-05	7.81E-07	7.05E-06	1.29E-05	7.84E-07	6.98E-06	1.27E-05
1,786	8.82E-07	7.75E-06	1.47E-05	8.56E-07	7.83E-06	1.41E-05	8.32E-07	7.69E-06	1.38E-05	7.81E-07	7.04E-06	1.29E-05	7.84E-07	6.97E-06	1.27E-05
1,787	8.81E-07	7.75E-06	1.47E-05	8.56E-07	7.82E-06	1.41E-05	8.31E-07	7.69E-06	1.38E-05	7.81E-07	7.04E-06	1.29E-05	7.84E-07	6.97E-06	1.27E-05
1,788	8.81E-07	7.75E-06	1.47E-05	8.56E-07	7.82E-06	1.41E-05	8.31E-07	7.68E-06	1.38E-05	7.80E-07	7.04E-06	1.29E-05	7.84E-07	6.96E-06	1.27E-05
1,789	8.81E-07	7.74E-06	1.47E-05	8.55E-07	7.82E-06	1.41E-05	8.31E-07	7.68E-06	1.37E-05	7.80E-07	7.04E-06	1.28E-05	7.83E-07	6.96E-06	1.27E-05
1,790	8.81E-07	7.74E-06	1.47E-05	8.55E-07	7.82E-06	1.41E-05	8.31E-07	7.67E-06	1.37E-05	7.78E-07	7.03E-06	1.28E-05	7.83E-07	6.96E-06	1.26E-05
1,791	8.80E-07	7.73E-06	1.47E-05	8.54E-07	7.82E-06	1.41E-05	8.30E-07	7.67E-06	1.37E-05	7.77E-07	7.03E-06	1.28E-05	7.83E-07	6.95E-06	1.26E-05
1,792	8.80E-07	7.72E-06	1.47E-05	8.54E-07	7.81E-06	1.41E-05	8.30E-07	7.67E-06	1.37E-05	7.77E-07	7.03E-06	1.28E-05	7.82E-07	6.94E-06	1.26E-05
1,793	8.80E-07	7.71E-06	1.47E-05	8.54E-07	7.80E-06	1.41E-05	8.28E-07	7.67E-06	1.37E-05	7.77E-07	7.03E-06	1.28E-05	7.82E-07	6.94E-06	1.26E-05
1,794	8.80E-07	7.71E-06	1.47E-05	8.53E-07	7.80E-06	1.40E-05	8.28E-07	7.66E-06	1.37E-05	7.76E-07	7.03E-06	1.28E-05	7.82E-07	6.94E-06	1.26E-05
1,795	8.79E-07	7.70E-06	1.47E-05	8.53E-07	7.79E-06	1.40E-05	8.27E-07	7.66E-06	1.37E-05	7.76E-07	7.02E-06	1.28E-05	7.82E-07	6.93E-06	1.26E-05
1,796	8.79E-07	7.70E-06	1.46E-05	8.53E-07	7.79E-06	1.40E-05	8.26E-07	7.66E-06	1.37E-05	7.75E-07	7.02E-06	1.28E-05	7.82E-07	6.93E-06	1.26E-05
1,797	8.78E-07	7.70E-06	1.46E-05	8.52E-07	7.78E-06	1.40E-05	8.26E-07	7.65E-06	1.37E-05	7.75E-07	7.02E-06	1.28E-05	7.82E-07	6.93E-06	1.26E-05
1,798	8.77E-07	7.69E-06	1.46E-05	8.51E-07	7.78E-06	1.40E-05	8.26E-07	7.65E-06	1.37E-05	7.74E-07	7.01E-06	1.28E-05	7.81E-07	6.93E-06	1.26E-05
1,799	8.77E-07	7.69E-06	1.46E-05	8.51E-07	7.78E-06	1.40E-05	8.26E-07	7.64E-06	1.37E-05	7.74E-07	7.00E-06	1.28E-05	7.81E-07	6.92E-06	1.26E-05
1,800	8.76E-07	7.69E-06	1.46E-05	8.50E-07	7.78E-06	1.40E-05	8.25E-07	7.64E-06	1.37E-05	7.74E-07	7.00E-06	1.28E-05	7.81E-07	6.92E-06	1.26E-05
1,801	8.76E-07	7.69E-06	1.46E-05	8.50E-07	7.78E-06	1.40E-05	8.25E-07	7.64E-06	1.37E-05	7.74E-07	7.00E-06	1.27E-05	7.80E-07	6.92E-06	1.26E-05
1,802	8.75E-07	7.69E-06	1.46E-05	8.50E-07	7.77E-06	1.40E-05	8.25E-07	7.63E-06	1.37E-05	7.74E-07	7.00E-06	1.27E-05	7.79E-07	6.91E-06	1.26E-05
1,803	8.75E-07	7.69E-06	1.46E-05	8.49E-07	7.77E-06	1.40E-05	8.24E-07	7.63E-06	1.37E-05	7.73E-07	7.00E-06	1.27E-05	7.79E-07	6.91E-06	1.26E-05
1,804	8.74E-07	7.68E-06	1.46E-05	8.49E-07	7.77E-06	1.40E-05	8.23E-07	7.63E-06	1.37E-05	7.73E-07	6.99E-06	1.27E-05	7.79E-07	6.91E-06	1.26E-05
1,805	8.74E-07	7.68E-06	1.46E-05	8.49E-07	7.77E-06	1.40E-05	8.23E-07	7.62E-06	1.37E-05	7.73E-07	6.99E-06	1.27E-05	7.79E-07	6.91E-06	1.26E-05
1,806	8.74E-07	7.68E-06	1.46E-05	8.48E-07	7.77E-06	1.40E-05	8.23E-07	7.62E-06	1.37E-05	7.73E-07	6.99E-06	1.27E-05	7.78E-07	6.90E-06	1.26E-05
1,807	8.74E-07	7.67E-06	1.46E-05	8.47E-07	7.76E-06	1.40E-05	8.23E-07	7.62E-06	1.37E-05	7.73E-07	6.99E-06	1.27E-05	7.78E-07	6.90E-06	1.26E-05
1,808	8.74E-07	7.67E-06	1.45E-05	8.47E-07	7.76E-06	1.39E-05	8.22E-07	7.62E-06	1.37E-05	7.73E-07	6.98E-06	1.27E-05	7.77E-07	6.89E-06	1.26E-05
1,809	8.74E-07	7.66E-06	1.45E-05	8.46E-07	7.76E-06	1.39E-05	8.22E-07	7.62E-06	1.37E-05	7.72E-07	6.98E-06	1.27E-05	7.77E-07	6.89E-06	1.26E-05
1,810	8.74E-07	7.66E-06	1.45E-05	8.46E-07	7.76E-06	1.39E-05	8.21E-07	7.61E-06	1.37E-05	7.72E-07	6.98E-06	1.27E-05	7.77E-07	6.89E-06	1.26E-05
1,811	8.73E-07	7.66E-06	1.45E-05	8.45E-07	7.76E-06	1.39E-05	8.21E-07	7.61E-06	1.36E-05	7.72E-07	6.97E-06	1.27E-05	7.77E-07	6.88E-06	1.26E-05
1,812	8.73E-07	7.66E-06	1.45E-05	8.45E-07	7.76E-06	1.39E-05	8.21E-07	7.61E-06	1.36E-05	7.71E-07	6.97E-06	1.27E-05	7.77E-07	6.88E-06	1.26E-05
1,813	8.73E-07	7.66E-06	1.45E-05	8.45E-07	7.76E-06	1.39E-05	8.20E-07	7.61E-06	1.36E-05	7.71E-07	6.97E-06	1.27E-05	7.76E-07	6.87E-06	1.26E-05
1,814	8.73E-07	7.65E-06	1.45E-05	8.45E-07	7.76E-06	1.39E-05	8.20E-07	7.60E-06	1.36E-05	7.71E-07	6.97E-06	1.27E-05	7.76E-07	6.87E-06	1.26E-05
1,815	8.72E-07	7.65E-06	1.45E-05	8.44E-07	7.75E-06	1.39E-05	8.19E-07	7.60E-06	1.36E-05	7.70E-07	6.97E-06	1.27E-05	7.76E-07	6.87E-06	1.25E-05
1,816	8.72E-07	7.65E-06	1.45E-05	8.44E-07	7.75E-06	1.39E-05	8.19E-07	7.60E-06	1.36E-05	7.69E-07	6.97E-06	1.27E-05	7.75E-07	6.87E-06	1.25E-05
1,817	8.72E-07	7.64E-06	1.45E-05	8.44E-07	7.75E-06	1.39E-05	8.19E-07	7.59E-06	1.36E-05	7.68E-07	6.97E-06	1.27E-05	7.74E-07	6.87E-06	1.25E-05
1,818	8.72E-07	7.64E-06	1.45E-05	8.44E-07	7.75E-06	1.39E-05	8.19E-07	7.58E-06	1.36E-05	7.68E-07	6.97E-06	1.27E-05	7.74E-07	6.87E-06	1.25E-05
1,819	8.70E-07	7.64E-06	1.45E-05	8.43E-07	7.74E-06	1.39E-05	8.18E-07	7.58E-06	1.36E-05	7.68E-07	6.96E-06	1.27E-05	7.74E-07	6.87E-06	1.25E-05
1,820	8.70E-07	7.64E-06	1.45E-05	8.42E-07	7.74E-06	1.39E-05	8.17E-07	7.57E-06	1.36E-05	7.67E-07	6.96E-06	1.27E-05	7.74E-07	6.86E-06	1.25E-05
1,821	8.69E-07	7.64E-06	1.45E-05	8.42E-07	7.74E-06	1.39E-05	8.17E-07	7.57E-06	1.36E-05	7.67E-07	6.96E-06	1.27E-05	7.74E-07	6.86E-06	1.25E-05
1,822	8.69E-07	7.63E-06	1.45E-05	8.42E-07	7.74E-06	1.39E-05	8.17E-07	7.57E-06	1.36E-05	7.67E-07	6.96E-06	1.27E-05	7.73E-07	6.86E-06	1.25E-05
1,823	8.69E-07	7.62E-06	1.45E-05	8.41E-07	7.74E-06	1.39E-05	8.17E-07	7.56E-06	1.36E-05	7.66E-07	6.96E-06	1.27E-05	7.73E-07	6.85E-06	1.25E-05
1,824	8.69E-07	7.62E-06	1.45E-05	8.41E-07	7.73E-06	1.39E-05	8.17E-07	7.56E-06	1.36E-05	7.66E-07	6.96E-06	1.26E-05	7.73E-07	6.85E-06	1.25E-05
1,825	8.69E-07	7.62E-06	1.45E-05	8.41E-07	7.73E-06	1.39E-05	8.17E-07	7.56E-06	1.36E-05	7.66E-07	6.95E-06	1.26E-05	7.73E-07	6.84E-06	1.25E-05
1,826	8.68E-07	7.62E-06	1.45E-05	8.41E-07	7.72E-06	1.39E-05	8.17E-07	7.56E-06	1.36E-05	7.66E-07	6.95E-06	1.26E-05	7.73E-07	6.84E-06	1.25E-05
1,827	8.67E-07	7.61E-06	1.45E-05	8.41E-07	7.72E-06	1.39E-05	8.16E-07	7.56E-06	1.35E-05	7.66E-07	6.95E-06	1.26E-05	7.73E-07	6.84E-06	1.25E-05
1,828	8.67E-07	7.61E-06	1.44E-05	8.40E-07	7.72E-06	1.39E-05	8.16E-07	7.55E-06	1.35E-05	7.66E-07	6.95E-06	1.26E-05	7.73E-07	6.84E-06	1.25E-05
1,829	8.67E-07	7.61E-06	1.44E-05	8.40E-07	7.72E-06	1.39E-05	8.16E-07	7.55E-06	1.35E-05	7.65E-07	6.94E-06	1.26E-05	7.72E-07	6.84E-06	1.25E-05
1,830	8.65E-07	7.61E-06	1.44E-05	8.40E-07	7.72E-06	1.39E-05	8.16E-07	7.54E-06	1.35E-05	7.65E-07	6.94E-06	1.26E-05	7.72E-07	6.83E-06	1.25E-05
1,831	8.65E-07	7.61E-06	1.44E-05	8.39E-07	7.71E-06	1.38E-05	8.16E-07	7.54E-06	1.35E-05	7.65E-07	6.94E-06	1.26E-05	7.72E-07	6.83E-06	1.25E-05
1,832	8.65E-07	7.60E-06	1.44E-05	8.39E-07	7.71E-06	1.38E-05	8.16E-07	7.53E-06	1.35E-05	7.64E-07	6.94E-06	1.26E-05	7.71E-07	6.82E-06	1.25E-05
1,833	8.65E-07	7.60E-06	1.44E-05	8.39E-07	7.71E-06	1.38E-05	8.14E-07	7.53E-06	1.35E-05	7.64E-07	6.93E-06	1.26E-05	7.71E-07	6.82E-06	1.25E-05
1,834	8.65E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,838	8.63E-07	7.58E-06	1.44E-05	8.38E-07	7.69E-06	1.38E-05	8.13E-07	7.51E-06	1.35E-05	7.63E-07	6.92E-06	1.26E-05	7.69E-07	6.81E-06	1.24E-05
1,839	8.62E-07	7.58E-06	1.44E-05	8.37E-07	7.68E-06	1.38E-05	8.12E-07	7.51E-06	1.35E-05	7.63E-07	6.92E-06	1.26E-05	7.69E-07	6.81E-06	1.24E-05
1,840	8.62E-07	7.58E-06	1.44E-05	8.37E-07	7.67E-06	1.38E-05	8.12E-07	7.50E-06	1.35E-05	7.63E-07	6.92E-06	1.26E-05	7.69E-07	6.80E-06	1.24E-05
1,841	8.61E-07	7.58E-06	1.44E-05	8.37E-07	7.66E-06	1.38E-05	8.12E-07	7.50E-06	1.35E-05	7.62E-07	6.91E-06	1.26E-05	7.69E-07	6.80E-06	1.24E-05
1,842	8.61E-07	7.57E-06	1.44E-05	8.37E-07	7.66E-06	1.38E-05	8.12E-07	7.50E-06	1.35E-05	7.62E-07	6.91E-06	1.26E-05	7.69E-07	6.79E-06	1.24E-05
1,843	8.61E-07	7.57E-06	1.44E-05	8.36E-07	7.66E-06	1.38E-05	8.12E-07	7.50E-06	1.35E-05	7.62E-07	6.90E-06	1.26E-05	7.68E-07	6.79E-06	1.24E-05
1,844	8.61E-07	7.57E-06	1.44E-05	8.36E-07	7.65E-06	1.38E-05	8.11E-07	7.50E-06	1.35E-05	7.62E-07	6.90E-06	1.26E-05	7.67E-07	6.79E-06	1.24E-05
1,845	8.60E-07	7.57E-06	1.44E-05	8.36E-07	7.65E-06	1.38E-05	8.11E-07	7.49E-06	1.35E-05	7.61E-07	6.90E-06	1.26E-05	7.67E-07	6.79E-06	1.24E-05
1,846	8.59E-07	7.55E-06	1.44E-05	8.36E-07	7.64E-06	1.38E-05	8.11E-07	7.49E-06	1.35E-05	7.60E-07	6.89E-06	1.26E-05	7.67E-07	6.79E-06	1.24E-05
1,847	8.59E-07	7.55E-06	1.44E-05	8.36E-07	7.64E-06	1.38E-05	8.10E-07	7.49E-06	1.35E-05	7.60E-07	6.89E-06	1.26E-05	7.66E-07	6.79E-06	1.24E-05
1,848	8.59E-07	7.55E-06	1.44E-05	8.36E-07	7.64E-06	1.37E-05	8.10E-07	7.49E-06	1.35E-05	7.60E-07	6.89E-06	1.26E-05	7.66E-07	6.79E-06	1.24E-05
1,849	8.58E-07	7.54E-06	1.44E-05	8.35E-07	7.64E-06	1.37E-05	8.10E-07	7.49E-06	1.35E-05	7.60E-07	6.88E-06	1.26E-05	7.66E-07	6.79E-06	1.24E-05
1,850	8.58E-07	7.54E-06	1.44E-05	8.35E-07	7.62E-06	1.37E-05	8.10E-07	7.47E-06	1.35E-05	7.59E-07	6.88E-06	1.26E-05	7.66E-07	6.78E-06	1.24E-05
1,851	8.58E-07	7.54E-06	1.44E-05	8.35E-07	7.62E-06	1.37E-05	8.10E-07	7.47E-06	1.34E-05	7.58E-07	6.88E-06	1.25E-05	7.65E-07	6.78E-06	1.24E-05
1,852	8.58E-07	7.54E-06	1.44E-05	8.35E-07	7.62E-06	1.37E-05	8.09E-07	7.47E-06	1.34E-05	7.58E-07	6.88E-06	1.25E-05	7.65E-07	6.78E-06	1.24E-05
1,853	8.58E-07	7.53E-06	1.44E-05	8.35E-07	7.62E-06	1.37E-05	8.09E-07	7.46E-06	1.34E-05	7.58E-07	6.88E-06	1.25E-05	7.65E-07	6.78E-06	1.24E-05
1,854	8.58E-07	7.52E-06	1.43E-05	8.33E-07	7.61E-06	1.37E-05	8.09E-07	7.46E-06	1.34E-05	7.57E-07	6.88E-06	1.25E-05	7.65E-07	6.77E-06	1.24E-05
1,855	8.56E-07	7.52E-06	1.43E-05	8.33E-07	7.61E-06	1.37E-05	8.08E-07	7.46E-06	1.34E-05	7.56E-07	6.87E-06	1.25E-05	7.65E-07	6.77E-06	1.24E-05
1,856	8.56E-07	7.52E-06	1.43E-05	8.33E-07	7.61E-06	1.37E-05	8.08E-07	7.46E-06	1.34E-05	7.56E-07	6.87E-06	1.25E-05	7.64E-07	6.77E-06	1.23E-05
1,857	8.55E-07	7.51E-06	1.43E-05	8.33E-07	7.61E-06	1.37E-05	8.07E-07	7.45E-06	1.34E-05	7.55E-07	6.87E-06	1.25E-05	7.64E-07	6.76E-06	1.23E-05
1,858	8.55E-07	7.51E-06	1.43E-05	8.33E-07	7.60E-06	1.37E-05	8.07E-07	7.45E-06	1.34E-05	7.55E-07	6.86E-06	1.25E-05	7.64E-07	6.76E-06	1.23E-05
1,859	8.55E-07	7.51E-06	1.43E-05	8.32E-07	7.60E-06	1.37E-05	8.07E-07	7.45E-06	1.34E-05	7.55E-07	6.86E-06	1.25E-05	7.63E-07	6.76E-06	1.23E-05
1,860	8.54E-07	7.51E-06	1.43E-05	8.31E-07	7.60E-06	1.37E-05	8.07E-07	7.45E-06	1.34E-05	7.55E-07	6.86E-06	1.25E-05	7.63E-07	6.76E-06	1.23E-05
1,861	8.54E-07	7.50E-06	1.43E-05	8.31E-07	7.60E-06	1.37E-05	8.07E-07	7.45E-06	1.34E-05	7.55E-07	6.85E-06	1.25E-05	7.62E-07	6.76E-06	1.23E-05
1,862	8.54E-07	7.49E-06	1.43E-05	8.31E-07	7.60E-06	1.37E-05	8.07E-07	7.44E-06	1.34E-05	7.54E-07	6.85E-06	1.25E-05	7.62E-07	6.75E-06	1.23E-05
1,863	8.54E-07	7.49E-06	1.43E-05	8.31E-07	7.59E-06	1.37E-05	8.06E-07	7.44E-06	1.34E-05	7.54E-07	6.85E-06	1.25E-05	7.62E-07	6.74E-06	1.23E-05
1,864	8.54E-07	7.49E-06	1.43E-05	8.30E-07	7.59E-06	1.37E-05	8.06E-07	7.44E-06	1.34E-05	7.54E-07	6.84E-06	1.25E-05	7.62E-07	6.74E-06	1.23E-05
1,865	8.53E-07	7.48E-06	1.43E-05	8.30E-07	7.59E-06	1.37E-05	8.06E-07	7.43E-06	1.34E-05	7.53E-07	6.83E-06	1.25E-05	7.62E-07	6.74E-06	1.23E-05
1,866	8.52E-07	7.47E-06	1.43E-05	8.30E-07	7.59E-06	1.37E-05	8.06E-07	7.42E-06	1.34E-05	7.53E-07	6.83E-06	1.25E-05	7.61E-07	6.74E-06	1.23E-05
1,867	8.52E-07	7.46E-06	1.43E-05	8.30E-07	7.59E-06	1.37E-05	8.06E-07	7.42E-06	1.34E-05	7.53E-07	6.83E-06	1.25E-05	7.60E-07	6.74E-06	1.23E-05
1,868	8.51E-07	7.46E-06	1.43E-05	8.30E-07	7.59E-06	1.36E-05	8.06E-07	7.42E-06	1.34E-05	7.53E-07	6.83E-06	1.25E-05	7.60E-07	6.73E-06	1.23E-05
1,869	8.51E-07	7.46E-06	1.42E-05	8.30E-07	7.59E-06	1.36E-05	8.06E-07	7.42E-06	1.34E-05	7.52E-07	6.83E-06	1.25E-05	7.60E-07	6.73E-06	1.23E-05
1,870	8.50E-07	7.46E-06	1.42E-05	8.29E-07	7.58E-06	1.36E-05	8.04E-07	7.42E-06	1.34E-05	7.52E-07	6.81E-06	1.25E-05	7.59E-07	6.73E-06	1.23E-05
1,871	8.49E-07	7.46E-06	1.42E-05	8.28E-07	7.58E-06	1.36E-05	8.04E-07	7.42E-06	1.34E-05	7.52E-07	6.81E-06	1.25E-05	7.59E-07	6.73E-06	1.23E-05
1,872	8.49E-07	7.46E-06	1.42E-05	8.28E-07	7.58E-06	1.36E-05	8.04E-07	7.41E-06	1.34E-05	7.52E-07	6.81E-06	1.24E-05	7.58E-07	6.72E-06	1.23E-05
1,873	8.49E-07	7.45E-06	1.42E-05	8.26E-07	7.58E-06	1.36E-05	8.04E-07	7.41E-06	1.34E-05	7.51E-07	6.81E-06	1.24E-05	7.57E-07	6.72E-06	1.23E-05
1,874	8.48E-07	7.45E-06	1.42E-05	8.26E-07	7.58E-06	1.36E-05	8.03E-07	7.41E-06	1.34E-05	7.51E-07	6.81E-06	1.24E-05	7.57E-07	6.72E-06	1.23E-05
1,875	8.48E-07	7.45E-06	1.42E-05	8.25E-07	7.58E-06	1.36E-05	8.03E-07	7.40E-06	1.34E-05	7.51E-07	6.80E-06	1.24E-05	7.57E-07	6.72E-06	1.23E-05
1,876	8.48E-07	7.44E-06	1.42E-05	8.24E-07	7.57E-06	1.36E-05	8.03E-07	7.40E-06	1.34E-05	7.50E-07	6.80E-06	1.24E-05	7.57E-07	6.71E-06	1.23E-05
1,877	8.48E-07	7.44E-06	1.42E-05	8.24E-07	7.57E-06	1.36E-05	8.02E-07	7.40E-06	1.33E-05	7.50E-07	6.80E-06	1.24E-05	7.56E-07	6.70E-06	1.23E-05
1,878	8.48E-07	7.43E-06	1.42E-05	8.23E-07	7.56E-06	1.36E-05	8.02E-07	7.39E-06	1.33E-05	7.50E-07	6.80E-06	1.24E-05	7.56E-07	6.70E-06	1.23E-05
1,879	8.47E-07	7.42E-06	1.42E-05	8.23E-07	7.55E-06	1.36E-05	8.02E-07	7.39E-06	1.33E-05	7.50E-07	6.80E-06	1.24E-05	7.55E-07	6.70E-06	1.23E-05
1,880	8.46E-07	7.42E-06	1.42E-05	8.22E-07	7.55E-06	1.36E-05	8.01E-07	7.38E-06	1.33E-05	7.50E-07	6.79E-06	1.24E-05	7.55E-07	6.69E-06	1.23E-05
1,881	8.46E-07	7.42E-06	1.42E-05	8.22E-07	7.54E-06	1.36E-05	8.01E-07	7.38E-06	1.33E-05	7.49E-07	6.79E-06	1.24E-05	7.55E-07	6.69E-06	1.23E-05
1,882	8.46E-07	7.41E-06	1.42E-05	8.22E-07	7.54E-06	1.36E-05	8.00E-07	7.38E-06	1.33E-05	7.49E-07	6.79E-06	1.24E-05	7.54E-07	6.68E-06	1.22E-05
1,883	8.45E-07	7.41E-06	1.42E-05	8.21E-07	7.54E-06	1.36E-05	8.00E-07	7.38E-06	1.33E-05	7.49E-07	6.79E-06	1.24E-05	7.54E-07	6.68E-06	1.22E-05
1,884	8.43E-07	7.41E-06	1.42E-05	8.21E-07	7.54E-06	1.36E-05	8.00E-07	7.37E-06	1.33E-05	7.49E-07	6.79E-06	1.24E-05	7.53E-07	6.68E-06	1.22E-05
1,885	8.43E-07	7.41E-06	1.42E-05	8.20E-07	7.53E-06	1.36E-05	7.99E-07	7.37E-06	1.33E-05	7.49E-07	6.78E-06	1.24E-05	7.52E-07	6.66E-06	1.22E-05
1,886	8.42E-07	7.41E-06	1.42E-05	8.20E-07	7.53E-06	1.36E-05	7.99E-07	7.36E-06	1.33E-05	7.49E-07	6.78E-06	1.24E-05	7.52E-07	6.65E-06	1.22E-05
1,887	8.42E-07	7.41E-06	1.42E-05	8.19E-07	7.53E-06	1.35E-05	7.99E-07	7.36E-06	1.33E-05	7.49E-07	6.77E-06	1.24E-05	7.52E-07	6.65E-06	1.22E-05
1,888	8.42E-07	7.39E-06	1.41E-05	8.19E-07	7.53E-06	1.35E-05	7.99E-07	7.35E-06	1.33E-05	7.48E-07	6.77E-06	1.24E-05	7.51E-07	6.65E-06	1.22E-05
1,889	8.42E-07	7.39E-06	1.41E-05	8.19E-07	7.51E-06	1.35E-05	7.98E-07	7.35E-06	1.33E-05	7.48E-07	6.77E-06	1.24E-05	7.51E-07	6.64E-06	1.22E-05
1,890	8.41E-07	7.39E-06	1.41E-05	8.19E-07	7.51E-06	1.35E-05	7.98E-07	7.35E-06	1.33E-05	7.47E-07	6.77E-06	1.24E-05	7.50E-07	6.64E-06	1.22E-05
1,891	8.41E-07	7.38E-06	1.41E-05	8.18E-07	7.51E-06	1.35E-05	7.98E-07	7.35E-06	1.33E-05	7.47E-07	6.77E-06	1.24E-05	7.50E-07	6.63E-06	1.22E-05
1,892	8.41E-07	7.37E-06	1.41E-05	8.18E-07	7.51E-06	1.35E-05	7.98E-07	7.35E-06	1.33E-05	7.47E-07	6.76E-06	1.24E-05	7.50E-07	6.62E-06	1.22E-05
1,893	8.41E-07	7.37E-06	1.41E-05	8.18E-07	7.51E-06	1.35E-05	7.97E-07	7.34E-06	1.33E-05	7.47E-07	6.76E-06	1.24E-05	7.49E-07	6.62E-06	1.22E-05
1,894	8.41E-07	7.37E-06	1.41E-05	8.18E-07	7.51E-06	1.35E-05	7.97E-07	7.34E-06	1.33E-05	7.47E-07	6.76E-06	1.23E-05	7.48E-07	6.62E-06	1.22E-05
1,895	8.41E-07	7.36E-06	1.41E-05	8.18E-07	7.51E-06	1.35E-05	7.97E-07	7.33E-06	1.33E-05	7.47E-07	6.76E-06	1.23E-05	7.47E-07	6.62E-06	1.22E-05
1,896	8.41E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,900	8.40E-07	7.34E-06	1.41E-05	8.16E-07	7.48E-06	1.35E-05	7.95E-07	7.32E-06	1.32E-05	7.46E-07	6.75E-06	1.23E-05	7.45E-07	6.60E-06	1.22E-05
1,901	8.40E-07	7.33E-06	1.41E-05	8.15E-07	7.48E-06	1.35E-05	7.94E-07	7.31E-06	1.32E-05	7.45E-07	6.74E-06	1.23E-05	7.45E-07	6.60E-06	1.21E-05
1,902	8.40E-07	7.33E-06	1.41E-05	8.15E-07	7.48E-06	1.34E-05	7.94E-07	7.31E-06	1.32E-05	7.45E-07	6.74E-06	1.23E-05	7.44E-07	6.59E-06	1.21E-05
1,903	8.40E-07	7.33E-06	1.40E-05	8.15E-07	7.48E-06	1.34E-05	7.94E-07	7.31E-06	1.32E-05	7.45E-07	6.74E-06	1.23E-05	7.44E-07	6.58E-06	1.21E-05
1,904	8.40E-07	7.32E-06	1.40E-05	8.14E-07	7.48E-06	1.34E-05	7.94E-07	7.31E-06	1.32E-05	7.45E-07	6.74E-06	1.23E-05	7.43E-07	6.58E-06	1.21E-05
1,905	8.39E-07	7.31E-06	1.40E-05	8.14E-07	7.48E-06	1.34E-05	7.93E-07	7.30E-06	1.32E-05	7.44E-07	6.74E-06	1.23E-05	7.43E-07	6.58E-06	1.21E-05
1,906	8.39E-07	7.31E-06	1.40E-05	8.13E-07	7.47E-06	1.34E-05	7.93E-07	7.30E-06	1.32E-05	7.44E-07	6.73E-06	1.23E-05	7.43E-07	6.58E-06	1.21E-05
1,907	8.39E-07	7.31E-06	1.40E-05	8.12E-07	7.47E-06	1.34E-05	7.93E-07	7.30E-06	1.32E-05	7.44E-07	6.73E-06	1.23E-05	7.43E-07	6.58E-06	1.21E-05
1,908	8.39E-07	7.31E-06	1.40E-05	8.12E-07	7.47E-06	1.34E-05	7.93E-07	7.30E-06	1.32E-05	7.44E-07	6.72E-06	1.23E-05	7.43E-07	6.57E-06	1.21E-05
1,909	8.39E-07	7.30E-06	1.40E-05	8.12E-07	7.46E-06	1.34E-05	7.92E-07	7.30E-06	1.32E-05	7.43E-07	6.71E-06	1.23E-05	7.42E-07	6.57E-06	1.21E-05
1,910	8.38E-07	7.30E-06	1.40E-05	8.11E-07	7.45E-06	1.34E-05	7.92E-07	7.30E-06	1.32E-05	7.43E-07	6.71E-06	1.23E-05	7.42E-07	6.57E-06	1.21E-05
1,911	8.38E-07	7.30E-06	1.40E-05	8.10E-07	7.44E-06	1.34E-05	7.92E-07	7.29E-06	1.32E-05	7.43E-07	6.71E-06	1.23E-05	7.42E-07	6.56E-06	1.21E-05
1,912	8.38E-07	7.29E-06	1.40E-05	8.10E-07	7.44E-06	1.34E-05	7.92E-07	7.29E-06	1.32E-05	7.43E-07	6.70E-06	1.23E-05	7.41E-07	6.56E-06	1.21E-05
1,913	8.37E-07	7.29E-06	1.40E-05	8.10E-07	7.44E-06	1.34E-05	7.92E-07	7.28E-06	1.32E-05	7.43E-07	6.70E-06	1.23E-05	7.41E-07	6.56E-06	1.21E-05
1,914	8.37E-07	7.29E-06	1.40E-05	8.09E-07	7.44E-06	1.34E-05	7.91E-07	7.28E-06	1.32E-05	7.43E-07	6.70E-06	1.23E-05	7.39E-07	6.56E-06	1.21E-05
1,915	8.37E-07	7.29E-06	1.40E-05	8.09E-07	7.44E-06	1.34E-05	7.91E-07	7.28E-06	1.31E-05	7.43E-07	6.70E-06	1.23E-05	7.38E-07	6.56E-06	1.21E-05
1,916	8.37E-07	7.28E-06	1.40E-05	8.08E-07	7.43E-06	1.34E-05	7.91E-07	7.28E-06	1.31E-05	7.42E-07	6.70E-06	1.23E-05	7.38E-07	6.55E-06	1.21E-05
1,917	8.37E-07	7.28E-06	1.40E-05	8.08E-07	7.43E-06	1.34E-05	7.91E-07	7.28E-06	1.31E-05	7.42E-07	6.70E-06	1.23E-05	7.38E-07	6.55E-06	1.21E-05
1,918	8.37E-07	7.28E-06	1.40E-05	8.07E-07	7.43E-06	1.34E-05	7.91E-07	7.27E-06	1.31E-05	7.41E-07	6.70E-06	1.23E-05	7.38E-07	6.55E-06	1.21E-05
1,919	8.36E-07	7.27E-06	1.40E-05	8.07E-07	7.43E-06	1.34E-05	7.91E-07	7.27E-06	1.31E-05	7.41E-07	6.69E-06	1.23E-05	7.37E-07	6.54E-06	1.21E-05
1,920	8.36E-07	7.27E-06	1.40E-05	8.07E-07	7.43E-06	1.34E-05	7.90E-07	7.26E-06	1.31E-05	7.41E-07	6.69E-06	1.23E-05	7.37E-07	6.54E-06	1.21E-05
1,921	8.35E-07	7.27E-06	1.40E-05	8.06E-07	7.43E-06	1.33E-05	7.90E-07	7.26E-06	1.31E-05	7.41E-07	6.68E-06	1.23E-05	7.37E-07	6.53E-06	1.21E-05
1,922	8.35E-07	7.26E-06	1.39E-05	8.06E-07	7.43E-06	1.33E-05	7.90E-07	7.26E-06	1.31E-05	7.41E-07	6.68E-06	1.23E-05	7.37E-07	6.53E-06	1.21E-05
1,923	8.35E-07	7.26E-06	1.39E-05	8.05E-07	7.41E-06	1.33E-05	7.90E-07	7.26E-06	1.31E-05	7.41E-07	6.68E-06	1.23E-05	7.36E-07	6.53E-06	1.21E-05
1,924	8.35E-07	7.25E-06	1.39E-05	8.05E-07	7.41E-06	1.33E-05	7.90E-07	7.25E-06	1.31E-05	7.41E-07	6.68E-06	1.23E-05	7.36E-07	6.53E-06	1.21E-05
1,925	8.35E-07	7.25E-06	1.39E-05	8.04E-07	7.41E-06	1.33E-05	7.89E-07	7.25E-06	1.31E-05	7.41E-07	6.68E-06	1.23E-05	7.36E-07	6.52E-06	1.20E-05
1,926	8.35E-07	7.25E-06	1.39E-05	8.04E-07	7.41E-06	1.33E-05	7.89E-07	7.25E-06	1.31E-05	7.40E-07	6.68E-06	1.22E-05	7.36E-07	6.52E-06	1.20E-05
1,927	8.35E-07	7.25E-06	1.39E-05	8.03E-07	7.40E-06	1.33E-05	7.89E-07	7.25E-06	1.30E-05	7.40E-07	6.67E-06	1.22E-05	7.36E-07	6.51E-06	1.20E-05
1,928	8.35E-07	7.25E-06	1.39E-05	8.02E-07	7.40E-06	1.33E-05	7.88E-07	7.25E-06	1.30E-05	7.39E-07	6.67E-06	1.22E-05	7.35E-07	6.51E-06	1.20E-05
1,929	8.34E-07	7.24E-06	1.39E-05	8.02E-07	7.40E-06	1.33E-05	7.87E-07	7.25E-06	1.30E-05	7.39E-07	6.67E-06	1.22E-05	7.35E-07	6.50E-06	1.20E-05
1,930	8.34E-07	7.24E-06	1.39E-05	8.02E-07	7.39E-06	1.33E-05	7.87E-07	7.24E-06	1.30E-05	7.38E-07	6.66E-06	1.22E-05	7.35E-07	6.50E-06	1.20E-05
1,931	8.34E-07	7.24E-06	1.39E-05	8.01E-07	7.37E-06	1.33E-05	7.87E-07	7.24E-06	1.30E-05	7.38E-07	6.66E-06	1.22E-05	7.35E-07	6.49E-06	1.20E-05
1,932	8.34E-07	7.24E-06	1.39E-05	8.01E-07	7.37E-06	1.33E-05	7.87E-07	7.24E-06	1.30E-05	7.37E-07	6.65E-06	1.22E-05	7.35E-07	6.49E-06	1.20E-05
1,933	8.33E-07	7.24E-06	1.39E-05	8.00E-07	7.37E-06	1.33E-05	7.86E-07	7.24E-06	1.30E-05	7.37E-07	6.65E-06	1.22E-05	7.34E-07	6.49E-06	1.20E-05
1,934	8.33E-07	7.23E-06	1.38E-05	8.00E-07	7.37E-06	1.33E-05	7.86E-07	7.23E-06	1.30E-05	7.37E-07	6.65E-06	1.22E-05	7.34E-07	6.49E-06	1.20E-05
1,935	8.33E-07	7.23E-06	1.38E-05	7.99E-07	7.36E-06	1.33E-05	7.86E-07	7.23E-06	1.30E-05	7.36E-07	6.65E-06	1.22E-05	7.34E-07	6.48E-06	1.20E-05
1,936	8.33E-07	7.23E-06	1.38E-05	7.99E-07	7.36E-06	1.33E-05	7.85E-07	7.22E-06	1.30E-05	7.36E-07	6.64E-06	1.22E-05	7.33E-07	6.48E-06	1.20E-05
1,937	8.33E-07	7.23E-06	1.38E-05	7.98E-07	7.36E-06	1.32E-05	7.85E-07	7.22E-06	1.30E-05	7.36E-07	6.64E-06	1.22E-05	7.33E-07	6.48E-06	1.20E-05
1,938	8.32E-07	7.22E-06	1.38E-05	7.98E-07	7.36E-06	1.32E-05	7.84E-07	7.22E-06	1.30E-05	7.35E-07	6.64E-06	1.22E-05	7.33E-07	6.47E-06	1.20E-05
1,939	8.32E-07	7.21E-06	1.38E-05	7.97E-07	7.35E-06	1.32E-05	7.83E-07	7.21E-06	1.30E-05	7.35E-07	6.62E-06	1.22E-05	7.33E-07	6.47E-06	1.20E-05
1,940	8.32E-07	7.21E-06	1.38E-05	7.97E-07	7.35E-06	1.32E-05	7.83E-07	7.21E-06	1.30E-05	7.35E-07	6.62E-06	1.22E-05	7.32E-07	6.47E-06	1.20E-05
1,941	8.32E-07	7.21E-06	1.38E-05	7.97E-07	7.35E-06	1.32E-05	7.81E-07	7.21E-06	1.30E-05	7.35E-07	6.61E-06	1.22E-05	7.32E-07	6.47E-06	1.20E-05
1,942	8.32E-07	7.21E-06	1.38E-05	7.97E-07	7.35E-06	1.32E-05	7.81E-07	7.21E-06	1.30E-05	7.34E-07	6.61E-06	1.22E-05	7.32E-07	6.47E-06	1.20E-05
1,943	8.31E-07	7.20E-06	1.38E-05	7.96E-07	7.34E-06	1.32E-05	7.80E-07	7.20E-06	1.30E-05	7.34E-07	6.61E-06	1.22E-05	7.31E-07	6.47E-06	1.20E-05
1,944	8.31E-07	7.20E-06	1.38E-05	7.96E-07	7.34E-06	1.32E-05	7.80E-07	7.20E-06	1.30E-05	7.34E-07	6.61E-06	1.22E-05	7.31E-07	6.46E-06	1.20E-05
1,945	8.31E-07	7.19E-06	1.38E-05	7.96E-07	7.34E-06	1.32E-05	7.80E-07	7.19E-06	1.30E-05	7.34E-07	6.60E-06	1.21E-05	7.30E-07	6.46E-06	1.20E-05
1,946	8.30E-07	7.19E-06	1.38E-05	7.95E-07	7.34E-06	1.32E-05	7.79E-07	7.19E-06	1.30E-05	7.33E-07	6.59E-06	1.21E-05	7.30E-07	6.45E-06	1.19E-05
1,947	8.30E-07	7.19E-06	1.38E-05	7.95E-07	7.33E-06	1.32E-05	7.79E-07	7.19E-06	1.30E-05	7.33E-07	6.59E-06	1.21E-05	7.30E-07	6.45E-06	1.19E-05
1,948	8.29E-07	7.19E-06	1.37E-05	7.95E-07	7.33E-06	1.32E-05	7.78E-07	7.19E-06	1.30E-05	7.33E-07	6.58E-06	1.21E-05	7.30E-07	6.45E-06	1.19E-05
1,949	8.29E-07	7.19E-06	1.37E-05	7.95E-07	7.33E-06	1.32E-05	7.78E-07	7.19E-06	1.29E-05	7.33E-07	6.58E-06	1.21E-05	7.29E-07	6.44E-06	1.19E-05
1,950	8.28E-07	7.19E-06	1.37E-05	7.94E-07	7.32E-06	1.32E-05	7.78E-07	7.18E-06	1.29E-05	7.32E-07	6.57E-06	1.21E-05	7.29E-07	6.44E-06	1.19E-05
1,951	8.28E-07	7.19E-06	1.37E-05	7.94E-07	7.32E-06	1.32E-05	7.78E-07	7.18E-06	1.29E-05	7.32E-07	6.57E-06	1.21E-05	7.29E-07	6.44E-06	1.19E-05
1,952	8.26E-07	7.18E-06	1.37E-05	7.94E-07	7.32E-06	1.32E-05	7.77E-07	7.17E-06	1.29E-05	7.32E-07	6.57E-06	1.21E-05	7.29E-07	6.43E-06	1.19E-05
1,953	8.26E-07	7.18E-06	1.37E-05	7.93E-07	7.32E-06	1.32E-05	7.77E-07	7.17E-06	1.29E-05	7.31E-07	6.56E-06	1.21E-05	7.29E-07	6.43E-06	1.19E-05
1,954	8.26E-07	7.18E-06	1.37E-05	7.93E-07	7.31E-06	1.32E-05	7.77E-07	7.17E-06	1.29E-05	7.31E-07	6.56E-06	1.21E-05	7.29E-07	6.42E-06	1.19E-05
1,955	8.25E-07	7.18E-06	1.37E-05	7.93E-07	7.31E-06	1.32E-05	7.77E-07	7.16E-06	1.29E-05	7.31E-07	6.56E-06	1.21E-05	7.28E-07	6.42E-06	1.19E-05
1,956	8.25E-07	7.17E-06	1.37E-05	7.92E-07	7.31E-06	1.32E-05	7.77E-07	7.16E-06	1.29E-05	7.31E-07	6.56E-06	1.21E-05	7.28E-07	6.42E-06	1.19E-05
1,957	8.25E-07	7.17E-06	1.37E-05	7.92E-07	7.30E-06	1.32E-05	7.76E-07	7.16E-06	1.29E-05	7.30E-07	6.56E-06	1.21E-05	7.28E-07	6.42E-06	1.19E-05
1,958	8.25E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,962	8.21E-07	7.15E-06	1.37E-05	7.91E-07	7.28E-06	1.31E-05	7.74E-07	7.14E-06	1.29E-05	7.29E-07	6.54E-06	1.21E-05	7.27E-07	6.40E-06	1.19E-05
1,963	8.21E-07	7.15E-06	1.37E-05	7.91E-07	7.28E-06	1.31E-05	7.74E-07	7.14E-06	1.29E-05	7.29E-07	6.54E-06	1.21E-05	7.27E-07	6.39E-06	1.19E-05
1,964	8.20E-07	7.15E-06	1.37E-05	7.91E-07	7.28E-06	1.31E-05	7.73E-07	7.13E-06	1.29E-05	7.28E-07	6.53E-06	1.20E-05	7.25E-07	6.39E-06	1.19E-05
1,965	8.20E-07	7.15E-06	1.37E-05	7.90E-07	7.28E-06	1.31E-05	7.72E-07	7.13E-06	1.29E-05	7.26E-07	6.53E-06	1.20E-05	7.25E-07	6.38E-06	1.19E-05
1,966	8.19E-07	7.15E-06	1.37E-05	7.90E-07	7.28E-06	1.31E-05	7.72E-07	7.13E-06	1.29E-05	7.26E-07	6.52E-06	1.20E-05	7.25E-07	6.38E-06	1.19E-05
1,967	8.19E-07	7.15E-06	1.37E-05	7.90E-07	7.27E-06	1.31E-05	7.72E-07	7.13E-06	1.29E-05	7.26E-07	6.52E-06	1.20E-05	7.25E-07	6.38E-06	1.19E-05
1,968	8.19E-07	7.14E-06	1.37E-05	7.89E-07	7.27E-06	1.31E-05	7.72E-07	7.12E-06	1.29E-05	7.26E-07	6.52E-06	1.20E-05	7.24E-07	6.38E-06	1.19E-05
1,969	8.19E-07	7.14E-06	1.37E-05	7.89E-07	7.27E-06	1.31E-05	7.71E-07	7.11E-06	1.29E-05	7.25E-07	6.52E-06	1.20E-05	7.23E-07	6.38E-06	1.19E-05
1,970	8.18E-07	7.14E-06	1.36E-05	7.89E-07	7.27E-06	1.31E-05	7.70E-07	7.11E-06	1.29E-05	7.24E-07	6.51E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,971	8.18E-07	7.13E-06	1.36E-05	7.88E-07	7.26E-06	1.31E-05	7.70E-07	7.11E-06	1.29E-05	7.24E-07	6.51E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,972	8.18E-07	7.13E-06	1.36E-05	7.88E-07	7.26E-06	1.31E-05	7.70E-07	7.10E-06	1.29E-05	7.24E-07	6.50E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,973	8.18E-07	7.13E-06	1.36E-05	7.87E-07	7.26E-06	1.31E-05	7.70E-07	7.10E-06	1.29E-05	7.24E-07	6.50E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,974	8.18E-07	7.13E-06	1.36E-05	7.86E-07	7.26E-06	1.31E-05	7.69E-07	7.10E-06	1.29E-05	7.23E-07	6.50E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,975	8.17E-07	7.13E-06	1.36E-05	7.86E-07	7.26E-06	1.31E-05	7.69E-07	7.10E-06	1.29E-05	7.23E-07	6.50E-06	1.20E-05	7.23E-07	6.37E-06	1.19E-05
1,976	8.16E-07	7.12E-06	1.36E-05	7.86E-07	7.25E-06	1.31E-05	7.69E-07	7.10E-06	1.29E-05	7.23E-07	6.50E-06	1.20E-05	7.22E-07	6.36E-06	1.19E-05
1,977	8.16E-07	7.12E-06	1.36E-05	7.86E-07	7.24E-06	1.31E-05	7.69E-07	7.10E-06	1.29E-05	7.23E-07	6.50E-06	1.20E-05	7.22E-07	6.36E-06	1.19E-05
1,978	8.16E-07	7.12E-06	1.36E-05	7.85E-07	7.23E-06	1.31E-05	7.69E-07	7.10E-06	1.28E-05	7.23E-07	6.50E-06	1.20E-05	7.22E-07	6.36E-06	1.18E-05
1,979	8.16E-07	7.11E-06	1.36E-05	7.85E-07	7.23E-06	1.31E-05	7.68E-07	7.09E-06	1.28E-05	7.23E-07	6.49E-06	1.20E-05	7.21E-07	6.36E-06	1.18E-05
1,980	8.16E-07	7.11E-06	1.36E-05	7.85E-07	7.23E-06	1.31E-05	7.68E-07	7.09E-06	1.28E-05	7.23E-07	6.49E-06	1.20E-05	7.21E-07	6.36E-06	1.18E-05
1,981	8.16E-07	7.11E-06	1.36E-05	7.85E-07	7.22E-06	1.31E-05	7.67E-07	7.09E-06	1.28E-05	7.22E-07	6.48E-06	1.20E-05	7.21E-07	6.35E-06	1.18E-05
1,982	8.15E-07	7.11E-06	1.36E-05	7.85E-07	7.22E-06	1.31E-05	7.67E-07	7.09E-06	1.28E-05	7.22E-07	6.48E-06	1.20E-05	7.21E-07	6.35E-06	1.18E-05
1,983	8.15E-07	7.10E-06	1.36E-05	7.85E-07	7.22E-06	1.31E-05	7.67E-07	7.08E-06	1.28E-05	7.22E-07	6.48E-06	1.20E-05	7.20E-07	6.35E-06	1.18E-05
1,984	8.15E-07	7.10E-06	1.36E-05	7.84E-07	7.21E-06	1.31E-05	7.66E-07	7.08E-06	1.28E-05	7.22E-07	6.48E-06	1.20E-05	7.20E-07	6.34E-06	1.18E-05
1,985	8.15E-07	7.10E-06	1.36E-05	7.83E-07	7.21E-06	1.31E-05	7.66E-07	7.07E-06	1.28E-05	7.22E-07	6.48E-06	1.20E-05	7.20E-07	6.34E-06	1.18E-05
1,986	8.14E-07	7.09E-06	1.36E-05	7.83E-07	7.21E-06	1.31E-05	7.66E-07	7.07E-06	1.28E-05	7.22E-07	6.48E-06	1.19E-05	7.20E-07	6.34E-06	1.18E-05
1,987	8.14E-07	7.08E-06	1.36E-05	7.83E-07	7.21E-06	1.31E-05	7.66E-07	7.07E-06	1.28E-05	7.21E-07	6.48E-06	1.19E-05	7.20E-07	6.34E-06	1.18E-05
1,988	8.14E-07	7.07E-06	1.36E-05	7.82E-07	7.20E-06	1.31E-05	7.65E-07	7.07E-06	1.28E-05	7.21E-07	6.48E-06	1.19E-05	7.20E-07	6.33E-06	1.18E-05
1,989	8.13E-07	7.07E-06	1.36E-05	7.82E-07	7.20E-06	1.31E-05	7.65E-07	7.07E-06	1.28E-05	7.20E-07	6.47E-06	1.19E-05	7.19E-07	6.33E-06	1.18E-05
1,990	8.13E-07	7.06E-06	1.35E-05	7.81E-07	7.19E-06	1.30E-05	7.65E-07	7.06E-06	1.28E-05	7.20E-07	6.47E-06	1.19E-05	7.18E-07	6.32E-06	1.18E-05
1,991	8.13E-07	7.06E-06	1.35E-05	7.80E-07	7.19E-06	1.30E-05	7.65E-07	7.05E-06	1.28E-05	7.20E-07	6.47E-06	1.19E-05	7.18E-07	6.32E-06	1.18E-05
1,992	8.13E-07	7.05E-06	1.35E-05	7.80E-07	7.18E-06	1.30E-05	7.64E-07	7.05E-06	1.28E-05	7.20E-07	6.47E-06	1.19E-05	7.18E-07	6.32E-06	1.18E-05
1,993	8.12E-07	7.05E-06	1.35E-05	7.80E-07	7.18E-06	1.30E-05	7.64E-07	7.05E-06	1.27E-05	7.20E-07	6.46E-06	1.19E-05	7.17E-07	6.32E-06	1.18E-05
1,994	8.12E-07	7.05E-06	1.35E-05	7.79E-07	7.18E-06	1.30E-05	7.64E-07	7.04E-06	1.27E-05	7.19E-07	6.46E-06	1.19E-05	7.17E-07	6.32E-06	1.18E-05
1,995	8.12E-07	7.05E-06	1.35E-05	7.79E-07	7.17E-06	1.30E-05	7.64E-07	7.04E-06	1.27E-05	7.19E-07	6.46E-06	1.19E-05	7.17E-07	6.31E-06	1.18E-05
1,996	8.12E-07	7.04E-06	1.35E-05	7.79E-07	7.17E-06	1.30E-05	7.64E-07	7.04E-06	1.27E-05	7.19E-07	6.45E-06	1.19E-05	7.16E-07	6.31E-06	1.17E-05
1,997	8.11E-07	7.04E-06	1.35E-05	7.78E-07	7.17E-06	1.30E-05	7.64E-07	7.04E-06	1.27E-05	7.18E-07	6.45E-06	1.19E-05	7.16E-07	6.31E-06	1.17E-05
1,998	8.11E-07	7.04E-06	1.35E-05	7.78E-07	7.17E-06	1.30E-05	7.64E-07	7.03E-06	1.27E-05	7.18E-07	6.45E-06	1.19E-05	7.16E-07	6.31E-06	1.17E-05
1,999	8.11E-07	7.04E-06	1.35E-05	7.77E-07	7.17E-06	1.30E-05	7.64E-07	7.03E-06	1.27E-05	7.18E-07	6.45E-06	1.19E-05	7.15E-07	6.30E-06	1.17E-05
2,000	8.11E-07	7.04E-06	1.35E-05	7.77E-07	7.17E-06	1.30E-05	7.63E-07	7.03E-06	1.27E-05	7.18E-07	6.44E-06	1.19E-05	7.15E-07	6.30E-06	1.17E-05
2,001	8.10E-07	7.04E-06	1.35E-05	7.77E-07	7.17E-06	1.30E-05	7.63E-07	7.03E-06	1.27E-05	7.18E-07	6.44E-06	1.19E-05	7.14E-07	6.30E-06	1.17E-05
2,002	8.10E-07	7.03E-06	1.35E-05	7.77E-07	7.16E-06	1.30E-05	7.62E-07	7.03E-06	1.27E-05	7.17E-07	6.44E-06	1.19E-05	7.13E-07	6.29E-06	1.17E-05
2,003	8.09E-07	7.03E-06	1.35E-05	7.77E-07	7.15E-06	1.30E-05	7.62E-07	7.03E-06	1.27E-05	7.17E-07	6.43E-06	1.19E-05	7.13E-07	6.29E-06	1.17E-05
2,004	8.09E-07	7.03E-06	1.35E-05	7.77E-07	7.15E-06	1.30E-05	7.62E-07	7.02E-06	1.27E-05	7.16E-07	6.43E-06	1.19E-05	7.13E-07	6.28E-06	1.17E-05
2,005	8.09E-07	7.02E-06	1.35E-05	7.76E-07	7.14E-06	1.30E-05	7.62E-07	7.02E-06	1.27E-05	7.16E-07	6.42E-06	1.19E-05	7.13E-07	6.28E-06	1.17E-05
2,006	8.09E-07	7.02E-06	1.35E-05	7.76E-07	7.14E-06	1.30E-05	7.61E-07	7.02E-06	1.27E-05	7.16E-07	6.42E-06	1.19E-05	7.12E-07	6.27E-06	1.17E-05
2,007	8.09E-07	7.02E-06	1.34E-05	7.76E-07	7.14E-06	1.29E-05	7.61E-07	7.02E-06	1.27E-05	7.16E-07	6.42E-06	1.18E-05	7.12E-07	6.27E-06	1.17E-05
2,008	8.08E-07	7.01E-06	1.34E-05	7.76E-07	7.13E-06	1.29E-05	7.60E-07	7.01E-06	1.27E-05	7.16E-07	6.42E-06	1.18E-05	7.12E-07	6.26E-06	1.17E-05
2,009	8.08E-07	7.01E-06	1.34E-05	7.76E-07	7.13E-06	1.29E-05	7.60E-07	7.01E-06	1.27E-05	7.16E-07	6.42E-06	1.18E-05	7.12E-07	6.26E-06	1.17E-05
2,010	8.08E-07	7.01E-06	1.34E-05	7.76E-07	7.13E-06	1.29E-05	7.60E-07	7.01E-06	1.27E-05	7.16E-07	6.42E-06	1.18E-05	7.11E-07	6.26E-06	1.17E-05
2,011	8.07E-07	7.01E-06	1.34E-05	7.75E-07	7.13E-06	1.29E-05	7.60E-07	7.01E-06	1.27E-05	7.15E-07	6.41E-06	1.18E-05	7.11E-07	6.25E-06	1.17E-05
2,012	8.06E-07	7.01E-06	1.34E-05	7.75E-07	7.13E-06	1.29E-05	7.60E-07	7.00E-06	1.27E-05	7.15E-07	6.41E-06	1.18E-05	7.10E-07	6.25E-06	1.17E-05
2,013	8.06E-07	7.01E-06	1.34E-05	7.74E-07	7.13E-06	1.29E-05	7.59E-07	7.00E-06	1.27E-05	7.15E-07	6.41E-06	1.18E-05	7.10E-07	6.25E-06	1.17E-05
2,014	8.06E-07	7.00E-06	1.34E-05	7.74E-07	7.12E-06	1.29E-05	7.59E-07	6.99E-06	1.27E-05	7.14E-07	6.41E-06	1.18E-05	7.09E-07	6.24E-06	1.17E-05
2,015	8.05E-07	7.00E-06	1.34E-05	7.74E-07	7.12E-06	1.29E-05	7.59E-07	6.99E-06	1.27E-05	7.14E-07	6.41E-06	1.18E-05	7.09E-07	6.24E-06	1.17E-05
2,016	8.05E-07	7.00E-06	1.34E-05	7.74E-07	7.11E-06	1.29E-05	7.59E-07	6.99E-06	1.27E-05	7.14E-07	6.41E-06	1.18E-05	7.09E-07	6.23E-06	1.17E-05
2,017	8.05E-07	7.00E-06	1.34E-05	7.74E-07	7.11E-06	1.29E-05	7.59E-07	6.99E-06	1.27E-05	7.14E-07	6.40E-06	1.18E-05	7.08E-07	6.23E-06	1.17E-05
2,018	8.04E-07	6.99E-06	1.34E-05	7.73E-07	7.10E-06	1.29E-05	7.59E-07	6.98E-06	1.27E-05	7.14E-07	6.40E-06	1.18E-05	7.08E-07	6.22E-06	1.17E-05
2,019	8.04E-07	6.99E-06	1.34E-05	7.73E-07	7.10E-06	1.29E-05	7.58E-07	6.98E-06	1.27E-05	7.13E-07	6.40E-06	1.18E-05	7.08E-07	6.22E-06	1.17E-05
2,020	8.04E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,024	8.03E-07	6.98E-06	1.33E-05	7.72E-07	7.08E-06	1.29E-05	7.57E-07	6.96E-06	1.26E-05	7.12E-07	6.38E-06	1.18E-05	7.07E-07	6.21E-06	1.16E-05
2,025	8.03E-07	6.98E-06	1.33E-05	7.71E-07	7.08E-06	1.29E-05	7.57E-07	6.96E-06	1.26E-05	7.12E-07	6.38E-06	1.18E-05	7.06E-07	6.21E-06	1.16E-05
2,026	8.02E-07	6.97E-06	1.33E-05	7.70E-07	7.07E-06	1.29E-05	7.57E-07	6.96E-06	1.26E-05	7.11E-07	6.38E-06	1.18E-05	7.06E-07	6.21E-06	1.16E-05
2,027	8.02E-07	6.97E-06	1.33E-05	7.70E-07	7.07E-06	1.29E-05	7.56E-07	6.95E-06	1.26E-05	7.11E-07	6.38E-06	1.18E-05	7.06E-07	6.21E-06	1.16E-05
2,028	8.01E-07	6.97E-06	1.33E-05	7.70E-07	7.06E-06	1.29E-05	7.56E-07	6.95E-06	1.26E-05	7.11E-07	6.37E-06	1.18E-05	7.06E-07	6.21E-06	1.16E-05
2,029	8.01E-07	6.97E-06	1.33E-05	7.70E-07	7.06E-06	1.28E-05	7.55E-07	6.95E-06	1.26E-05	7.11E-07	6.37E-06	1.18E-05	7.05E-07	6.21E-06	1.16E-05
2,030	8.01E-07	6.96E-06	1.33E-05	7.70E-07	7.05E-06	1.28E-05	7.54E-07	6.94E-06	1.26E-05	7.11E-07	6.37E-06	1.18E-05	7.05E-07	6.20E-06	1.16E-05
2,031	8.01E-07	6.96E-06	1.33E-05	7.70E-07	7.05E-06	1.28E-05	7.53E-07	6.94E-06	1.26E-05	7.11E-07	6.36E-06	1.17E-05	7.03E-07	6.19E-06	1.16E-05
2,032	8.01E-07	6.96E-06	1.33E-05	7.70E-07	7.04E-06	1.28E-05	7.52E-07	6.94E-06	1.26E-05	7.10E-07	6.36E-06	1.17E-05	7.03E-07	6.19E-06	1.16E-05
2,033	8.00E-07	6.96E-06	1.33E-05	7.69E-07	7.04E-06	1.28E-05	7.52E-07	6.94E-06	1.26E-05	7.10E-07	6.36E-06	1.17E-05	7.02E-07	6.19E-06	1.16E-05
2,034	8.00E-07	6.96E-06	1.33E-05	7.69E-07	7.03E-06	1.28E-05	7.52E-07	6.93E-06	1.26E-05	7.10E-07	6.35E-06	1.17E-05	7.02E-07	6.19E-06	1.16E-05
2,035	8.00E-07	6.96E-06	1.33E-05	7.69E-07	7.03E-06	1.28E-05	7.52E-07	6.93E-06	1.26E-05	7.09E-07	6.35E-06	1.17E-05	7.02E-07	6.19E-06	1.16E-05
2,036	7.99E-07	6.95E-06	1.33E-05	7.68E-07	7.02E-06	1.28E-05	7.52E-07	6.92E-06	1.26E-05	7.08E-07	6.35E-06	1.17E-05	7.01E-07	6.19E-06	1.16E-05
2,037	7.99E-07	6.95E-06	1.33E-05	7.67E-07	7.02E-06	1.28E-05	7.52E-07	6.92E-06	1.26E-05	7.07E-07	6.34E-06	1.17E-05	7.01E-07	6.19E-06	1.16E-05
2,038	7.99E-07	6.95E-06	1.33E-05	7.67E-07	7.02E-06	1.28E-05	7.51E-07	6.91E-06	1.26E-05	7.07E-07	6.34E-06	1.17E-05	7.01E-07	6.18E-06	1.16E-05
2,039	7.98E-07	6.94E-06	1.33E-05	7.67E-07	7.02E-06	1.28E-05	7.51E-07	6.91E-06	1.26E-05	7.07E-07	6.34E-06	1.17E-05	7.01E-07	6.18E-06	1.16E-05
2,040	7.98E-07	6.94E-06	1.33E-05	7.67E-07	7.01E-06	1.28E-05	7.51E-07	6.91E-06	1.26E-05	7.07E-07	6.34E-06	1.17E-05	7.00E-07	6.18E-06	1.16E-05
2,041	7.98E-07	6.94E-06	1.33E-05	7.67E-07	7.01E-06	1.28E-05	7.51E-07	6.91E-06	1.25E-05	7.06E-07	6.34E-06	1.17E-05	7.00E-07	6.18E-06	1.16E-05
2,042	7.98E-07	6.94E-06	1.33E-05	7.66E-07	7.01E-06	1.27E-05	7.51E-07	6.90E-06	1.25E-05	7.06E-07	6.34E-06	1.17E-05	7.00E-07	6.16E-06	1.16E-05
2,043	7.97E-07	6.94E-06	1.33E-05	7.66E-07	7.01E-06	1.27E-05	7.51E-07	6.90E-06	1.25E-05	7.06E-07	6.33E-06	1.17E-05	7.00E-07	6.16E-06	1.16E-05
2,044	7.97E-07	6.94E-06	1.32E-05	7.66E-07	7.01E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.06E-07	6.33E-06	1.17E-05	6.99E-07	6.16E-06	1.16E-05
2,045	7.97E-07	6.94E-06	1.32E-05	7.65E-07	7.01E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.05E-07	6.33E-06	1.17E-05	6.99E-07	6.15E-06	1.15E-05
2,046	7.97E-07	6.93E-06	1.32E-05	7.65E-07	7.00E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.04E-07	6.33E-06	1.17E-05	6.99E-07	6.15E-06	1.15E-05
2,047	7.96E-07	6.93E-06	1.32E-05	7.65E-07	7.00E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.04E-07	6.33E-06	1.17E-05	6.99E-07	6.15E-06	1.15E-05
2,048	7.96E-07	6.93E-06	1.32E-05	7.65E-07	7.00E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.04E-07	6.33E-06	1.17E-05	6.99E-07	6.14E-06	1.15E-05
2,049	7.96E-07	6.93E-06	1.32E-05	7.64E-07	6.99E-06	1.27E-05	7.50E-07	6.90E-06	1.25E-05	7.04E-07	6.32E-06	1.17E-05	6.99E-07	6.14E-06	1.15E-05
2,050	7.95E-07	6.93E-06	1.32E-05	7.64E-07	6.99E-06	1.27E-05	7.49E-07	6.90E-06	1.25E-05	7.04E-07	6.32E-06	1.17E-05	6.99E-07	6.14E-06	1.15E-05
2,051	7.95E-07	6.92E-06	1.32E-05	7.64E-07	6.99E-06	1.27E-05	7.49E-07	6.89E-06	1.25E-05	7.04E-07	6.32E-06	1.16E-05	6.98E-07	6.14E-06	1.15E-05
2,052	7.95E-07	6.92E-06	1.32E-05	7.64E-07	6.98E-06	1.27E-05	7.49E-07	6.89E-06	1.25E-05	7.04E-07	6.32E-06	1.16E-05	6.98E-07	6.14E-06	1.15E-05
2,053	7.95E-07	6.92E-06	1.32E-05	7.63E-07	6.98E-06	1.27E-05	7.48E-07	6.88E-06	1.25E-05	7.03E-07	6.32E-06	1.16E-05	6.98E-07	6.14E-06	1.15E-05
2,054	7.95E-07	6.91E-06	1.32E-05	7.63E-07	6.98E-06	1.27E-05	7.47E-07	6.87E-06	1.25E-05	7.03E-07	6.32E-06	1.16E-05	6.97E-07	6.14E-06	1.15E-05
2,055	7.94E-07	6.91E-06	1.32E-05	7.62E-07	6.97E-06	1.27E-05	7.47E-07	6.87E-06	1.25E-05	7.02E-07	6.32E-06	1.16E-05	6.97E-07	6.14E-06	1.15E-05
2,056	7.94E-07	6.91E-06	1.32E-05	7.62E-07	6.97E-06	1.27E-05	7.47E-07	6.86E-06	1.24E-05	7.02E-07	6.31E-06	1.16E-05	6.97E-07	6.13E-06	1.15E-05
2,057	7.94E-07	6.91E-06	1.32E-05	7.61E-07	6.97E-06	1.27E-05	7.47E-07	6.86E-06	1.24E-05	7.02E-07	6.31E-06	1.16E-05	6.97E-07	6.13E-06	1.15E-05
2,058	7.94E-07	6.91E-06	1.32E-05	7.61E-07	6.96E-06	1.27E-05	7.47E-07	6.86E-06	1.24E-05	7.01E-07	6.31E-06	1.16E-05	6.96E-07	6.12E-06	1.15E-05
2,059	7.93E-07	6.91E-06	1.32E-05	7.61E-07	6.96E-06	1.27E-05	7.47E-07	6.85E-06	1.24E-05	7.01E-07	6.30E-06	1.16E-05	6.96E-07	6.12E-06	1.15E-05
2,060	7.93E-07	6.90E-06	1.31E-05	7.61E-07	6.96E-06	1.27E-05	7.47E-07	6.85E-06	1.24E-05	7.01E-07	6.30E-06	1.16E-05	6.96E-07	6.11E-06	1.15E-05
2,061	7.92E-07	6.89E-06	1.31E-05	7.60E-07	6.95E-06	1.27E-05	7.46E-07	6.85E-06	1.24E-05	7.00E-07	6.30E-06	1.16E-05	6.96E-07	6.11E-06	1.15E-05
2,062	7.92E-07	6.89E-06	1.31E-05	7.60E-07	6.95E-06	1.27E-05	7.46E-07	6.85E-06	1.24E-05	7.00E-07	6.30E-06	1.16E-05	6.95E-07	6.11E-06	1.15E-05
2,063	7.92E-07	6.89E-06	1.31E-05	7.60E-07	6.95E-06	1.27E-05	7.46E-07	6.84E-06	1.24E-05	7.00E-07	6.30E-06	1.16E-05	6.95E-07	6.11E-06	1.15E-05
2,064	7.92E-07	6.89E-06	1.31E-05	7.60E-07	6.95E-06	1.26E-05	7.45E-07	6.84E-06	1.24E-05	6.99E-07	6.29E-06	1.16E-05	6.94E-07	6.11E-06	1.15E-05
2,065	7.91E-07	6.88E-06	1.31E-05	7.60E-07	6.95E-06	1.26E-05	7.44E-07	6.84E-06	1.24E-05	6.98E-07	6.29E-06	1.15E-05	6.93E-07	6.11E-06	1.15E-05
2,066	7.91E-07	6.88E-06	1.31E-05	7.59E-07	6.95E-06	1.26E-05	7.44E-07	6.83E-06	1.24E-05	6.98E-07	6.29E-06	1.15E-05	6.93E-07	6.10E-06	1.15E-05
2,067	7.91E-07	6.88E-06	1.31E-05	7.59E-07	6.94E-06	1.26E-05	7.44E-07	6.83E-06	1.24E-05	6.98E-07	6.29E-06	1.15E-05	6.93E-07	6.10E-06	1.15E-05
2,068	7.91E-07	6.88E-06	1.31E-05	7.59E-07	6.94E-06	1.26E-05	7.44E-07	6.83E-06	1.24E-05	6.97E-07	6.29E-06	1.15E-05	6.93E-07	6.10E-06	1.15E-05
2,069	7.91E-07	6.87E-06	1.31E-05	7.59E-07	6.94E-06	1.26E-05	7.43E-07	6.82E-06	1.24E-05	6.97E-07	6.28E-06	1.15E-05	6.93E-07	6.10E-06	1.15E-05
2,070	7.90E-07	6.87E-06	1.31E-05	7.59E-07	6.94E-06	1.26E-05	7.42E-07	6.81E-06	1.24E-05	6.97E-07	6.28E-06	1.15E-05	6.92E-07	6.09E-06	1.14E-05
2,071	7.90E-07	6.86E-06	1.31E-05	7.58E-07	6.94E-06	1.26E-05	7.42E-07	6.81E-06	1.24E-05	6.97E-07	6.28E-06	1.15E-05	6.92E-07	6.08E-06	1.14E-05
2,072	7.90E-07	6.86E-06	1.31E-05	7.57E-07	6.94E-06	1.26E-05	7.42E-07	6.81E-06	1.23E-05	6.96E-07	6.27E-06	1.15E-05	6.92E-07	6.08E-06	1.14E-05
2,073	7.89E-07	6.85E-06	1.31E-05	7.57E-07	6.94E-06	1.26E-05	7.41E-07	6.80E-06	1.23E-05	6.96E-07	6.27E-06	1.15E-05	6.92E-07	6.08E-06	1.14E-05
2,074	7.89E-07	6.85E-06	1.31E-05	7.57E-07	6.93E-06	1.26E-05	7.41E-07	6.79E-06	1.23E-05	6.96E-07	6.26E-06	1.15E-05	6.91E-07	6.08E-06	1.14E-05
2,075	7.89E-07	6.85E-06	1.31E-05	7.57E-07	6.93E-06	1.26E-05	7.41E-07	6.79E-06	1.23E-05	6.95E-07	6.26E-06	1.15E-05	6.91E-07	6.08E-06	1.14E-05
2,076	7.89E-07	6.85E-06	1.30E-05	7.56E-07	6.92E-06	1.26E-05	7.40E-07	6.79E-06	1.23E-05	6.95E-07	6.26E-06	1.15E-05	6.91E-07	6.08E-06	1.14E-05
2,077	7.89E-07	6.85E-06	1.30E-05	7.56E-07	6.92E-06	1.26E-05	7.40E-07	6.79E-06	1.23E-05	6.95E-07	6.26E-06	1.15E-05	6.91E-07	6.08E-06	1.14E-05
2,078	7.88E-07	6.84E-06	1.30E-05	7.55E-07	6.92E-06	1.26E-05	7.39E-07	6.79E-06	1.23E-05	6.94E-07	6.25E-06	1.15E-05	6.91E-07	6.08E-06	1.14E-05
2,079	7.88E-07	6.84E-06	1.30E-05	7.55E-07	6.91E-06	1.26E-05	7.39E-07	6.78E-06	1.23E-05	6.94E-07	6.25E-06	1.15E-05	6.90E-07	6.07E-06	1.14E-05
2,080	7.88E-07	6.84E-06	1.30E-05	7.55E-07	6.91E-06	1.26E-05	7.39E-07	6.78E-06	1.23E-05	6.94E-07	6.25E-06	1.15E-05	6.90E-07	6.07E-06	1.14E-05
2,081	7.87E-07	6.83E-06	1.30E-05	7.55E-07	6.91E-06	1.26E-05	7.39E-07	6.77E-06	1.23E-05	6.93E-07	6.25E-06	1.15E-05	6.90E-07	6.07E-06	1.14E-05
2,082	7.87E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,086	7.87E-07	6.83E-06	1.30E-05	7.53E-07	6.90E-06	1.25E-05	7.38E-07	6.76E-06	1.23E-05	6.93E-07	6.24E-06	1.14E-05	6.88E-07	6.05E-06	1.14E-05
2,087	7.86E-07	6.82E-06	1.30E-05	7.53E-07	6.90E-06	1.25E-05	7.38E-07	6.76E-06	1.23E-05	6.93E-07	6.23E-06	1.14E-05	6.87E-07	6.05E-06	1.14E-05
2,088	7.86E-07	6.82E-06	1.30E-05	7.53E-07	6.89E-06	1.25E-05	7.38E-07	6.76E-06	1.23E-05	6.93E-07	6.23E-06	1.14E-05	6.87E-07	6.05E-06	1.14E-05
2,089	7.86E-07	6.82E-06	1.30E-05	7.53E-07	6.89E-06	1.25E-05	7.37E-07	6.76E-06	1.23E-05	6.92E-07	6.23E-06	1.14E-05	6.87E-07	6.05E-06	1.14E-05
2,090	7.86E-07	6.82E-06	1.30E-05	7.52E-07	6.89E-06	1.25E-05	7.37E-07	6.76E-06	1.23E-05	6.92E-07	6.23E-06	1.14E-05	6.87E-07	6.05E-06	1.14E-05
2,091	7.85E-07	6.81E-06	1.30E-05	7.52E-07	6.88E-06	1.25E-05	7.36E-07	6.76E-06	1.23E-05	6.92E-07	6.22E-06	1.14E-05	6.86E-07	6.04E-06	1.14E-05
2,092	7.85E-07	6.81E-06	1.30E-05	7.51E-07	6.88E-06	1.25E-05	7.36E-07	6.75E-06	1.23E-05	6.92E-07	6.22E-06	1.14E-05	6.85E-07	6.04E-06	1.13E-05
2,093	7.85E-07	6.81E-06	1.30E-05	7.51E-07	6.88E-06	1.25E-05	7.36E-07	6.75E-06	1.23E-05	6.92E-07	6.22E-06	1.14E-05	6.85E-07	6.04E-06	1.13E-05
2,094	7.84E-07	6.80E-06	1.30E-05	7.51E-07	6.87E-06	1.25E-05	7.35E-07	6.75E-06	1.23E-05	6.92E-07	6.22E-06	1.14E-05	6.85E-07	6.04E-06	1.13E-05
2,095	7.84E-07	6.80E-06	1.30E-05	7.51E-07	6.87E-06	1.25E-05	7.35E-07	6.75E-06	1.23E-05	6.92E-07	6.21E-06	1.14E-05	6.85E-07	6.04E-06	1.13E-05
2,096	7.84E-07	6.80E-06	1.30E-05	7.51E-07	6.86E-06	1.25E-05	7.35E-07	6.75E-06	1.23E-05	6.91E-07	6.20E-06	1.14E-05	6.84E-07	6.04E-06	1.13E-05
2,097	7.84E-07	6.79E-06	1.30E-05	7.50E-07	6.86E-06	1.25E-05	7.35E-07	6.75E-06	1.23E-05	6.91E-07	6.20E-06	1.14E-05	6.84E-07	6.03E-06	1.13E-05
2,098	7.83E-07	6.79E-06	1.30E-05	7.50E-07	6.85E-06	1.25E-05	7.34E-07	6.74E-06	1.23E-05	6.91E-07	6.20E-06	1.14E-05	6.84E-07	6.03E-06	1.13E-05
2,099	7.83E-07	6.79E-06	1.29E-05	7.50E-07	6.85E-06	1.25E-05	7.33E-07	6.74E-06	1.23E-05	6.91E-07	6.20E-06	1.14E-05	6.84E-07	6.03E-06	1.13E-05
2,100	7.83E-07	6.78E-06	1.29E-05	7.50E-07	6.85E-06	1.25E-05	7.33E-07	6.74E-06	1.23E-05	6.91E-07	6.19E-06	1.14E-05	6.83E-07	6.03E-06	1.13E-05
2,101	7.82E-07	6.78E-06	1.29E-05	7.50E-07	6.84E-06	1.25E-05	7.33E-07	6.73E-06	1.23E-05	6.91E-07	6.19E-06	1.14E-05	6.83E-07	6.03E-06	1.13E-05
2,102	7.82E-07	6.78E-06	1.29E-05	7.50E-07	6.84E-06	1.25E-05	7.33E-07	6.73E-06	1.22E-05	6.90E-07	6.19E-06	1.14E-05	6.83E-07	6.03E-06	1.13E-05
2,103	7.81E-07	6.78E-06	1.29E-05	7.49E-07	6.83E-06	1.25E-05	7.32E-07	6.73E-06	1.22E-05	6.90E-07	6.19E-06	1.13E-05	6.83E-07	6.02E-06	1.13E-05
2,104	7.80E-07	6.78E-06	1.29E-05	7.49E-07	6.83E-06	1.25E-05	7.31E-07	6.73E-06	1.22E-05	6.89E-07	6.19E-06	1.13E-05	6.83E-07	6.01E-06	1.13E-05
2,105	7.80E-07	6.77E-06	1.29E-05	7.49E-07	6.83E-06	1.25E-05	7.31E-07	6.72E-06	1.22E-05	6.89E-07	6.19E-06	1.13E-05	6.82E-07	6.01E-06	1.13E-05
2,106	7.80E-07	6.77E-06	1.29E-05	7.49E-07	6.83E-06	1.25E-05	7.31E-07	6.72E-06	1.22E-05	6.89E-07	6.19E-06	1.13E-05	6.82E-07	6.01E-06	1.13E-05
2,107	7.79E-07	6.77E-06	1.29E-05	7.49E-07	6.83E-06	1.25E-05	7.30E-07	6.72E-06	1.22E-05	6.89E-07	6.19E-06	1.13E-05	6.82E-07	6.01E-06	1.13E-05
2,108	7.78E-07	6.77E-06	1.29E-05	7.48E-07	6.82E-06	1.24E-05	7.30E-07	6.71E-06	1.22E-05	6.88E-07	6.18E-06	1.13E-05	6.81E-07	6.00E-06	1.13E-05
2,109	7.78E-07	6.77E-06	1.29E-05	7.48E-07	6.82E-06	1.24E-05	7.30E-07	6.71E-06	1.22E-05	6.88E-07	6.18E-06	1.13E-05	6.80E-07	6.00E-06	1.13E-05
2,110	7.78E-07	6.77E-06	1.29E-05	7.48E-07	6.81E-06	1.24E-05	7.30E-07	6.70E-06	1.22E-05	6.87E-07	6.17E-06	1.13E-05	6.80E-07	5.99E-06	1.13E-05
2,111	7.77E-07	6.77E-06	1.29E-05	7.47E-07	6.81E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.87E-07	6.17E-06	1.13E-05	6.80E-07	5.99E-06	1.13E-05
2,112	7.76E-07	6.77E-06	1.29E-05	7.47E-07	6.81E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.87E-07	6.17E-06	1.13E-05	6.80E-07	5.99E-06	1.13E-05
2,113	7.76E-07	6.76E-06	1.29E-05	7.47E-07	6.81E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.87E-07	6.16E-06	1.13E-05	6.80E-07	5.99E-06	1.13E-05
2,114	7.76E-07	6.75E-06	1.29E-05	7.47E-07	6.80E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.86E-07	6.16E-06	1.13E-05	6.79E-07	5.99E-06	1.13E-05
2,115	7.75E-07	6.75E-06	1.29E-05	7.46E-07	6.80E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.86E-07	6.16E-06	1.13E-05	6.79E-07	5.99E-06	1.13E-05
2,116	7.75E-07	6.74E-06	1.28E-05	7.45E-07	6.80E-06	1.24E-05	7.29E-07	6.69E-06	1.22E-05	6.86E-07	6.15E-06	1.13E-05	6.79E-07	5.99E-06	1.12E-05
2,117	7.74E-07	6.74E-06	1.28E-05	7.45E-07	6.80E-06	1.24E-05	7.28E-07	6.69E-06	1.22E-05	6.86E-07	6.15E-06	1.13E-05	6.79E-07	5.99E-06	1.12E-05
2,118	7.74E-07	6.74E-06	1.28E-05	7.45E-07	6.80E-06	1.24E-05	7.28E-07	6.68E-06	1.22E-05	6.85E-07	6.15E-06	1.13E-05	6.79E-07	5.99E-06	1.12E-05
2,119	7.74E-07	6.73E-06	1.28E-05	7.45E-07	6.80E-06	1.24E-05	7.28E-07	6.68E-06	1.22E-05	6.85E-07	6.15E-06	1.13E-05	6.79E-07	5.99E-06	1.12E-05
2,120	7.73E-07	6.73E-06	1.28E-05	7.44E-07	6.78E-06	1.24E-05	7.28E-07	6.67E-06	1.22E-05	6.84E-07	6.14E-06	1.13E-05	6.79E-07	5.98E-06	1.12E-05
2,121	7.73E-07	6.73E-06	1.28E-05	7.44E-07	6.78E-06	1.24E-05	7.27E-07	6.67E-06	1.22E-05	6.84E-07	6.14E-06	1.13E-05	6.79E-07	5.98E-06	1.12E-05
2,122	7.73E-07	6.72E-06	1.28E-05	7.44E-07	6.78E-06	1.24E-05	7.27E-07	6.67E-06	1.22E-05	6.84E-07	6.14E-06	1.13E-05	6.79E-07	5.98E-06	1.12E-05
2,123	7.73E-07	6.72E-06	1.28E-05	7.44E-07	6.78E-06	1.24E-05	7.26E-07	6.66E-06	1.22E-05	6.84E-07	6.14E-06	1.13E-05	6.79E-07	5.97E-06	1.12E-05
2,124	7.73E-07	6.72E-06	1.28E-05	7.44E-07	6.78E-06	1.23E-05	7.26E-07	6.66E-06	1.22E-05	6.84E-07	6.13E-06	1.13E-05	6.78E-07	5.97E-06	1.12E-05
2,125	7.72E-07	6.71E-06	1.28E-05	7.43E-07	6.78E-06	1.23E-05	7.26E-07	6.66E-06	1.22E-05	6.83E-07	6.13E-06	1.13E-05	6.78E-07	5.97E-06	1.12E-05
2,126	7.72E-07	6.71E-06	1.28E-05	7.43E-07	6.77E-06	1.23E-05	7.26E-07	6.66E-06	1.22E-05	6.83E-07	6.12E-06	1.13E-05	6.78E-07	5.97E-06	1.12E-05
2,127	7.72E-07	6.71E-06	1.28E-05	7.42E-07	6.77E-06	1.23E-05	7.25E-07	6.66E-06	1.22E-05	6.83E-07	6.12E-06	1.13E-05	6.77E-07	5.95E-06	1.12E-05
2,128	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.77E-06	1.23E-05	7.25E-07	6.66E-06	1.21E-05	6.83E-07	6.12E-06	1.13E-05	6.77E-07	5.95E-06	1.12E-05
2,129	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.76E-06	1.23E-05	7.25E-07	6.66E-06	1.21E-05	6.83E-07	6.12E-06	1.13E-05	6.77E-07	5.95E-06	1.12E-05
2,130	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.76E-06	1.23E-05	7.24E-07	6.65E-06	1.21E-05	6.82E-07	6.12E-06	1.12E-05	6.77E-07	5.95E-06	1.12E-05
2,131	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.76E-06	1.23E-05	7.24E-07	6.65E-06	1.21E-05	6.82E-07	6.11E-06	1.12E-05	6.77E-07	5.95E-06	1.12E-05
2,132	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.76E-06	1.23E-05	7.24E-07	6.65E-06	1.21E-05	6.82E-07	6.11E-06	1.12E-05	6.77E-07	5.95E-06	1.12E-05
2,133	7.71E-07	6.71E-06	1.28E-05	7.42E-07	6.76E-06	1.23E-05	7.24E-07	6.65E-06	1.21E-05	6.82E-07	6.11E-06	1.12E-05	6.77E-07	5.94E-06	1.12E-05
2,134	7.71E-07	6.71E-06	1.28E-05	7.41E-07	6.75E-06	1.23E-05	7.24E-07	6.64E-06	1.21E-05	6.82E-07	6.11E-06	1.12E-05	6.76E-07	5.94E-06	1.12E-05
2,135	7.70E-07	6.71E-06	1.28E-05	7.41E-07	6.75E-06	1.23E-05	7.24E-07	6.63E-06	1.21E-05	6.82E-07	6.11E-06	1.12E-05	6.76E-07	5.94E-06	1.12E-05
2,136	7.70E-07	6.70E-06	1.28E-05	7.41E-07	6.75E-06	1.23E-05	7.24E-07	6.63E-06	1.21E-05	6.82E-07	6.10E-06	1.12E-05	6.76E-07	5.94E-06	1.12E-05
2,137	7.70E-07	6.70E-06	1.27E-05	7.41E-07	6.75E-06	1.23E-05	7.23E-07	6.63E-06	1.21E-05	6.81E-07	6.10E-06	1.12E-05	6.76E-07	5.94E-06	1.12E-05
2,138	7.70E-07	6.70E-06	1.27E-05	7.41E-07	6.75E-06	1.23E-05	7.23E-07	6.63E-06	1.21E-05	6.81E-07	6.10E-06	1.12E-05	6.75E-07	5.93E-06	1.12E-05
2,139	7.69E-07	6.69E-06	1.27E-05	7.41E-07	6.74E-06	1.23E-05	7.23E-07	6.62E-06	1.21E-05	6.81E-07	6.10E-06	1.12E-05	6.75E-07	5.93E-06	1.12E-05
2,140	7.68E-07	6.69E-06	1.27E-05	7.40E-07	6.74E-06	1.23E-05	7.23E-07	6.61E-06	1.21E-05	6.81E-07	6.09E-06	1.12E-05	6.75E-07	5.93E-06	1.12E-05
2,141	7.68E-07	6.69E-06	1.27E-05	7.40E-07	6.73E-06	1.23E-05	7.23E-07	6.61E-06	1.21E-05	6.81E-07	6.09E-06	1.12E-05	6.75E-07	5.93E-06	1.12E-05
2,142	7.68E-07	6.69E-06	1.27E-05	7.40E-07	6.73E-06	1.23E-05	7.23E-07	6.61E-06	1.21E-05	6.80E-07	6.08E-06	1.12E-05	6.75E-07	5.93E-06	1.12E-05
2,143	7.67E-07	6.69E-06	1.27E-05	7.39E-07	6.73E-06	1.23E-05	7.22E-07	6.60E-06	1.21E-05	6.80E-07	6.08E-06	1.12E-05	6.75E-07	5.92E-06	1.12E-05
2,144	7.67E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,148	7.66E-07	6.68E-06	1.27E-05	7.38E-07	6.71E-06	1.23E-05	7.20E-07	6.59E-06	1.21E-05	6.79E-07	6.07E-06	1.11E-05	6.74E-07	5.91E-06	1.11E-05
2,149	7.66E-07	6.68E-06	1.27E-05	7.38E-07	6.70E-06	1.23E-05	7.20E-07	6.58E-06	1.21E-05	6.79E-07	6.07E-06	1.11E-05	6.73E-07	5.90E-06	1.11E-05
2,150	7.66E-07	6.67E-06	1.27E-05	7.38E-07	6.69E-06	1.22E-05	7.20E-07	6.58E-06	1.21E-05	6.79E-07	6.07E-06	1.11E-05	6.73E-07	5.90E-06	1.11E-05
2,151	7.66E-07	6.67E-06	1.27E-05	7.38E-07	6.69E-06	1.22E-05	7.19E-07	6.58E-06	1.21E-05	6.78E-07	6.06E-06	1.11E-05	6.73E-07	5.90E-06	1.11E-05
2,152	7.66E-07	6.66E-06	1.27E-05	7.38E-07	6.69E-06	1.22E-05	7.18E-07	6.58E-06	1.21E-05	6.78E-07	6.06E-06	1.11E-05	6.73E-07	5.90E-06	1.11E-05
2,153	7.66E-07	6.66E-06	1.27E-05	7.37E-07	6.68E-06	1.22E-05	7.18E-07	6.58E-06	1.21E-05	6.78E-07	6.06E-06	1.11E-05	6.73E-07	5.89E-06	1.11E-05
2,154	7.66E-07	6.66E-06	1.27E-05	7.37E-07	6.67E-06	1.22E-05	7.18E-07	6.57E-06	1.20E-05	6.78E-07	6.06E-06	1.11E-05	6.73E-07	5.89E-06	1.11E-05
2,155	7.64E-07	6.66E-06	1.27E-05	7.37E-07	6.67E-06	1.22E-05	7.18E-07	6.57E-06	1.20E-05	6.77E-07	6.05E-06	1.11E-05	6.72E-07	5.89E-06	1.11E-05
2,156	7.64E-07	6.66E-06	1.27E-05	7.37E-07	6.67E-06	1.22E-05	7.18E-07	6.57E-06	1.20E-05	6.77E-07	6.05E-06	1.11E-05	6.72E-07	5.89E-06	1.11E-05
2,157	7.64E-07	6.66E-06	1.27E-05	7.37E-07	6.67E-06	1.22E-05	7.18E-07	6.56E-06	1.20E-05	6.77E-07	6.05E-06	1.11E-05	6.72E-07	5.89E-06	1.11E-05
2,158	7.63E-07	6.65E-06	1.27E-05	7.36E-07	6.66E-06	1.22E-05	7.18E-07	6.56E-06	1.20E-05	6.77E-07	6.05E-06	1.11E-05	6.72E-07	5.88E-06	1.11E-05
2,159	7.62E-07	6.65E-06	1.27E-05	7.36E-07	6.66E-06	1.22E-05	7.17E-07	6.56E-06	1.20E-05	6.76E-07	6.04E-06	1.11E-05	6.71E-07	5.88E-06	1.11E-05
2,160	7.62E-07	6.65E-06	1.27E-05	7.36E-07	6.66E-06	1.22E-05	7.16E-07	6.56E-06	1.20E-05	6.76E-07	6.04E-06	1.11E-05	6.71E-07	5.88E-06	1.11E-05
2,161	7.62E-07	6.64E-06	1.27E-05	7.36E-07	6.64E-06	1.22E-05	7.16E-07	6.56E-06	1.20E-05	6.76E-07	6.03E-06	1.11E-05	6.71E-07	5.88E-06	1.11E-05
2,162	7.62E-07	6.63E-06	1.26E-05	7.36E-07	6.64E-06	1.22E-05	7.16E-07	6.55E-06	1.20E-05	6.75E-07	6.03E-06	1.11E-05	6.71E-07	5.88E-06	1.11E-05
2,163	7.62E-07	6.63E-06	1.26E-05	7.36E-07	6.64E-06	1.22E-05	7.16E-07	6.55E-06	1.20E-05	6.75E-07	6.03E-06	1.11E-05	6.71E-07	5.87E-06	1.11E-05
2,164	7.62E-07	6.63E-06	1.26E-05	7.36E-07	6.64E-06	1.22E-05	7.16E-07	6.54E-06	1.20E-05	6.75E-07	6.03E-06	1.11E-05	6.71E-07	5.87E-06	1.11E-05
2,165	7.61E-07	6.63E-06	1.26E-05	7.36E-07	6.64E-06	1.22E-05	7.16E-07	6.54E-06	1.20E-05	6.75E-07	6.03E-06	1.10E-05	6.70E-07	5.87E-06	1.11E-05
2,166	7.61E-07	6.62E-06	1.26E-05	7.35E-07	6.64E-06	1.22E-05	7.16E-07	6.54E-06	1.20E-05	6.75E-07	6.02E-06	1.10E-05	6.70E-07	5.87E-06	1.11E-05
2,167	7.61E-07	6.62E-06	1.26E-05	7.35E-07	6.63E-06	1.22E-05	7.16E-07	6.54E-06	1.20E-05	6.75E-07	6.02E-06	1.10E-05	6.69E-07	5.86E-06	1.11E-05
2,168	7.61E-07	6.61E-06	1.26E-05	7.35E-07	6.63E-06	1.22E-05	7.15E-07	6.53E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.69E-07	5.85E-06	1.11E-05
2,169	7.60E-07	6.61E-06	1.26E-05	7.35E-07	6.63E-06	1.22E-05	7.15E-07	6.53E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.69E-07	5.85E-06	1.11E-05
2,170	7.60E-07	6.61E-06	1.26E-05	7.34E-07	6.63E-06	1.22E-05	7.14E-07	6.53E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.69E-07	5.85E-06	1.11E-05
2,171	7.60E-07	6.60E-06	1.26E-05	7.34E-07	6.63E-06	1.22E-05	7.14E-07	6.53E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.68E-07	5.85E-06	1.10E-05
2,172	7.59E-07	6.60E-06	1.26E-05	7.34E-07	6.62E-06	1.22E-05	7.14E-07	6.53E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.68E-07	5.84E-06	1.10E-05
2,173	7.59E-07	6.60E-06	1.26E-05	7.34E-07	6.61E-06	1.22E-05	7.14E-07	6.52E-06	1.20E-05	6.74E-07	6.01E-06	1.10E-05	6.68E-07	5.84E-06	1.10E-05
2,174	7.59E-07	6.60E-06	1.26E-05	7.33E-07	6.61E-06	1.22E-05	7.13E-07	6.52E-06	1.20E-05	6.73E-07	6.01E-06	1.10E-05	6.68E-07	5.84E-06	1.10E-05
2,175	7.59E-07	6.60E-06	1.26E-05	7.33E-07	6.61E-06	1.22E-05	7.13E-07	6.51E-06	1.20E-05	6.73E-07	6.00E-06	1.10E-05	6.68E-07	5.84E-06	1.10E-05
2,176	7.59E-07	6.60E-06	1.26E-05	7.33E-07	6.61E-06	1.22E-05	7.13E-07	6.51E-06	1.20E-05	6.72E-07	6.00E-06	1.10E-05	6.68E-07	5.83E-06	1.10E-05
2,177	7.59E-07	6.59E-06	1.26E-05	7.32E-07	6.60E-06	1.22E-05	7.13E-07	6.50E-06	1.19E-05	6.72E-07	6.00E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,178	7.58E-07	6.59E-06	1.26E-05	7.32E-07	6.60E-06	1.22E-05	7.13E-07	6.49E-06	1.19E-05	6.72E-07	6.00E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,179	7.58E-07	6.59E-06	1.26E-05	7.30E-07	6.59E-06	1.21E-05	7.13E-07	6.49E-06	1.19E-05	6.72E-07	6.00E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,180	7.57E-07	6.58E-06	1.26E-05	7.30E-07	6.58E-06	1.21E-05	7.13E-07	6.49E-06	1.19E-05	6.72E-07	6.00E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,181	7.57E-07	6.58E-06	1.26E-05	7.30E-07	6.58E-06	1.21E-05	7.12E-07	6.48E-06	1.19E-05	6.72E-07	5.99E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,182	7.57E-07	6.58E-06	1.26E-05	7.29E-07	6.57E-06	1.21E-05	7.12E-07	6.48E-06	1.19E-05	6.72E-07	5.99E-06	1.10E-05	6.67E-07	5.83E-06	1.10E-05
2,183	7.57E-07	6.58E-06	1.26E-05	7.29E-07	6.57E-06	1.21E-05	7.12E-07	6.48E-06	1.19E-05	6.72E-07	5.99E-06	1.10E-05	6.66E-07	5.83E-06	1.10E-05
2,184	7.57E-07	6.58E-06	1.26E-05	7.29E-07	6.57E-06	1.21E-05	7.12E-07	6.47E-06	1.19E-05	6.72E-07	5.99E-06	1.10E-05	6.66E-07	5.83E-06	1.10E-05
2,185	7.57E-07	6.57E-06	1.26E-05	7.29E-07	6.57E-06	1.21E-05	7.11E-07	6.47E-06	1.19E-05	6.71E-07	5.98E-06	1.10E-05	6.66E-07	5.83E-06	1.10E-05
2,186	7.56E-07	6.57E-06	1.26E-05	7.29E-07	6.57E-06	1.21E-05	7.11E-07	6.47E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.65E-07	5.82E-06	1.10E-05
2,187	7.56E-07	6.56E-06	1.25E-05	7.28E-07	6.56E-06	1.21E-05	7.11E-07	6.47E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.65E-07	5.82E-06	1.09E-05
2,188	7.56E-07	6.56E-06	1.25E-05	7.28E-07	6.56E-06	1.21E-05	7.10E-07	6.46E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.65E-07	5.82E-06	1.09E-05
2,189	7.55E-07	6.56E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.09E-07	6.46E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.64E-07	5.81E-06	1.09E-05
2,190	7.55E-07	6.55E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.09E-07	6.46E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.64E-07	5.81E-06	1.09E-05
2,191	7.55E-07	6.55E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.09E-07	6.46E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.64E-07	5.81E-06	1.09E-05
2,192	7.54E-07	6.55E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.08E-07	6.45E-06	1.19E-05	6.71E-07	5.97E-06	1.10E-05	6.63E-07	5.81E-06	1.09E-05
2,193	7.54E-07	6.55E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.08E-07	6.45E-06	1.19E-05	6.71E-07	5.96E-06	1.10E-05	6.63E-07	5.80E-06	1.09E-05
2,194	7.54E-07	6.54E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.08E-07	6.45E-06	1.19E-05	6.71E-07	5.96E-06	1.09E-05	6.63E-07	5.79E-06	1.09E-05
2,195	7.54E-07	6.53E-06	1.25E-05	7.28E-07	6.55E-06	1.21E-05	7.08E-07	6.44E-06	1.19E-05	6.71E-07	5.96E-06	1.09E-05	6.62E-07	5.79E-06	1.09E-05
2,196	7.54E-07	6.53E-06	1.25E-05	7.28E-07	6.54E-06	1.21E-05	7.08E-07	6.43E-06	1.19E-05	6.70E-07	5.96E-06	1.09E-05	6.61E-07	5.79E-06	1.09E-05
2,197	7.53E-07	6.53E-06	1.25E-05	7.28E-07	6.54E-06	1.20E-05	7.08E-07	6.43E-06	1.19E-05	6.70E-07	5.96E-06	1.09E-05	6.61E-07	5.79E-06	1.09E-05
2,198	7.53E-07	6.52E-06	1.25E-05	7.27E-07	6.54E-06	1.20E-05	7.08E-07	6.43E-06	1.19E-05	6.70E-07	5.96E-06	1.09E-05	6.61E-07	5.78E-06	1.09E-05
2,199	7.53E-07	6.52E-06	1.25E-05	7.27E-07	6.54E-06	1.20E-05	7.07E-07	6.43E-06	1.18E-05	6.69E-07	5.95E-06	1.09E-05	6.61E-07	5.78E-06	1.09E-05
2,200	7.53E-07	6.51E-06	1.25E-05	7.27E-07	6.53E-06	1.20E-05	7.07E-07	6.43E-06	1.18E-05	6.69E-07	5.95E-06	1.09E-05	6.61E-07	5.78E-06	1.09E-05
2,201	7.53E-07	6.51E-06	1.25E-05	7.27E-07	6.53E-06	1.20E-05	7.07E-07	6.43E-06	1.18E-05	6.69E-07	5.95E-06	1.09E-05	6.61E-07	5.78E-06	1.09E-05
2,202	7.52E-07	6.51E-06	1.25E-05	7.27E-07	6.53E-06	1.20E-05	7.07E-07	6.43E-06	1.18E-05	6.69E-07	5.95E-06	1.09E-05	6.60E-07	5.77E-06	1.09E-05
2,203	7.52E-07	6.51E-06	1.25E-05	7.26E-07	6.53E-06	1.20E-05	7.06E-07	6.43E-06	1.18E-05	6.68E-07	5.95E-06	1.09E-05	6.60E-07	5.77E-06	1.09E-05
2,204	7.52E-07	6.50E-06	1.25E-05	7.25E-07	6.51E-06	1.20E-05	7.06E-07	6.42E-06	1.18E-05	6.68E-07	5.95E-06	1.09E-05	6.60E-07	5.77E-06	1.09E-05
2,205	7.52E-07	6.50E-06	1.25E-05	7.25E-07	6.51E-06	1.20E-05	7.06E-07	6.42E-06	1.18E-05	6.68E-07	5.94E-06	1.09E-05	6.60E-07	5.77E-06	1.09E-05
2,206	7.51E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,210	7.50E-07	6.49E-06	1.25E-05	7.23E-07	6.50E-06	1.20E-05	7.05E-07	6.41E-06	1.18E-05	6.67E-07	5.93E-06	1.09E-05	6.59E-07	5.76E-06	1.09E-05
2,211	7.49E-07	6.49E-06	1.24E-05	7.23E-07	6.50E-06	1.19E-05	7.04E-07	6.41E-06	1.18E-05	6.67E-07	5.93E-06	1.09E-05	6.59E-07	5.75E-06	1.09E-05
2,212	7.49E-07	6.49E-06	1.24E-05	7.23E-07	6.50E-06	1.19E-05	7.04E-07	6.41E-06	1.18E-05	6.67E-07	5.93E-06	1.09E-05	6.59E-07	5.75E-06	1.09E-05
2,213	7.49E-07	6.49E-06	1.24E-05	7.22E-07	6.50E-06	1.19E-05	7.04E-07	6.41E-06	1.18E-05	6.66E-07	5.92E-06	1.09E-05	6.58E-07	5.75E-06	1.08E-05
2,214	7.49E-07	6.48E-06	1.24E-05	7.22E-07	6.50E-06	1.19E-05	7.04E-07	6.40E-06	1.18E-05	6.66E-07	5.92E-06	1.09E-05	6.57E-07	5.74E-06	1.08E-05
2,215	7.48E-07	6.48E-06	1.24E-05	7.22E-07	6.50E-06	1.19E-05	7.03E-07	6.40E-06	1.18E-05	6.66E-07	5.92E-06	1.09E-05	6.57E-07	5.73E-06	1.08E-05
2,216	7.48E-07	6.48E-06	1.24E-05	7.22E-07	6.49E-06	1.19E-05	7.02E-07	6.40E-06	1.18E-05	6.66E-07	5.91E-06	1.09E-05	6.56E-07	5.73E-06	1.08E-05
2,217	7.47E-07	6.47E-06	1.24E-05	7.21E-07	6.48E-06	1.19E-05	7.02E-07	6.39E-06	1.18E-05	6.65E-07	5.91E-06	1.09E-05	6.56E-07	5.73E-06	1.08E-05
2,218	7.47E-07	6.47E-06	1.24E-05	7.21E-07	6.48E-06	1.19E-05	7.02E-07	6.39E-06	1.18E-05	6.65E-07	5.91E-06	1.09E-05	6.56E-07	5.73E-06	1.08E-05
2,219	7.47E-07	6.46E-06	1.24E-05	7.20E-07	6.48E-06	1.19E-05	7.02E-07	6.39E-06	1.18E-05	6.65E-07	5.90E-06	1.09E-05	6.56E-07	5.73E-06	1.08E-05
2,220	7.47E-07	6.46E-06	1.24E-05	7.20E-07	6.47E-06	1.19E-05	7.02E-07	6.39E-06	1.18E-05	6.64E-07	5.90E-06	1.09E-05	6.55E-07	5.72E-06	1.08E-05
2,221	7.47E-07	6.46E-06	1.24E-05	7.19E-07	6.47E-06	1.19E-05	7.02E-07	6.39E-06	1.18E-05	6.63E-07	5.90E-06	1.09E-05	6.55E-07	5.72E-06	1.08E-05
2,222	7.47E-07	6.46E-06	1.24E-05	7.19E-07	6.47E-06	1.19E-05	7.02E-07	6.38E-06	1.18E-05	6.63E-07	5.90E-06	1.09E-05	6.55E-07	5.72E-06	1.08E-05
2,223	7.47E-07	6.46E-06	1.24E-05	7.19E-07	6.46E-06	1.19E-05	7.02E-07	6.37E-06	1.17E-05	6.63E-07	5.90E-06	1.09E-05	6.55E-07	5.72E-06	1.08E-05
2,224	7.47E-07	6.45E-06	1.24E-05	7.18E-07	6.46E-06	1.19E-05	7.01E-07	6.37E-06	1.17E-05	6.63E-07	5.90E-06	1.09E-05	6.55E-07	5.72E-06	1.08E-05
2,225	7.47E-07	6.45E-06	1.24E-05	7.18E-07	6.46E-06	1.19E-05	7.01E-07	6.36E-06	1.17E-05	6.63E-07	5.90E-06	1.09E-05	6.54E-07	5.72E-06	1.08E-05
2,226	7.46E-07	6.45E-06	1.24E-05	7.18E-07	6.46E-06	1.19E-05	7.01E-07	6.36E-06	1.17E-05	6.62E-07	5.90E-06	1.09E-05	6.54E-07	5.71E-06	1.08E-05
2,227	7.46E-07	6.45E-06	1.24E-05	7.17E-07	6.46E-06	1.19E-05	7.01E-07	6.36E-06	1.17E-05	6.61E-07	5.89E-06	1.09E-05	6.54E-07	5.71E-06	1.08E-05
2,228	7.46E-07	6.45E-06	1.24E-05	7.17E-07	6.45E-06	1.19E-05	7.01E-07	6.36E-06	1.17E-05	6.61E-07	5.89E-06	1.09E-05	6.54E-07	5.71E-06	1.08E-05
2,229	7.46E-07	6.45E-06	1.24E-05	7.17E-07	6.45E-06	1.19E-05	7.01E-07	6.35E-06	1.17E-05	6.61E-07	5.89E-06	1.08E-05	6.54E-07	5.71E-06	1.08E-05
2,230	7.46E-07	6.45E-06	1.24E-05	7.17E-07	6.45E-06	1.18E-05	7.01E-07	6.35E-06	1.17E-05	6.61E-07	5.89E-06	1.08E-05	6.54E-07	5.71E-06	1.08E-05
2,231	7.45E-07	6.44E-06	1.24E-05	7.16E-07	6.44E-06	1.18E-05	7.00E-07	6.35E-06	1.17E-05	6.60E-07	5.89E-06	1.08E-05	6.54E-07	5.71E-06	1.08E-05
2,232	7.45E-07	6.44E-06	1.24E-05	7.16E-07	6.44E-06	1.18E-05	7.00E-07	6.35E-06	1.17E-05	6.60E-07	5.89E-06	1.08E-05	6.54E-07	5.70E-06	1.08E-05
2,233	7.44E-07	6.44E-06	1.23E-05	7.16E-07	6.44E-06	1.18E-05	7.00E-07	6.35E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.53E-07	5.70E-06	1.08E-05
2,234	7.44E-07	6.43E-06	1.23E-05	7.16E-07	6.43E-06	1.18E-05	7.00E-07	6.35E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.53E-07	5.70E-06	1.08E-05
2,235	7.43E-07	6.43E-06	1.23E-05	7.16E-07	6.43E-06	1.18E-05	7.00E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.53E-07	5.70E-06	1.08E-05
2,236	7.42E-07	6.43E-06	1.23E-05	7.16E-07	6.42E-06	1.18E-05	7.00E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.53E-07	5.70E-06	1.07E-05
2,237	7.42E-07	6.42E-06	1.23E-05	7.15E-07	6.42E-06	1.18E-05	6.99E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.53E-07	5.70E-06	1.07E-05
2,238	7.42E-07	6.42E-06	1.23E-05	7.15E-07	6.42E-06	1.18E-05	6.99E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.52E-07	5.69E-06	1.07E-05
2,239	7.41E-07	6.42E-06	1.23E-05	7.15E-07	6.42E-06	1.18E-05	6.98E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.52E-07	5.69E-06	1.07E-05
2,240	7.41E-07	6.42E-06	1.23E-05	7.15E-07	6.41E-06	1.18E-05	6.98E-07	6.34E-06	1.17E-05	6.60E-07	5.88E-06	1.08E-05	6.51E-07	5.69E-06	1.07E-05
2,241	7.41E-07	6.42E-06	1.23E-05	7.15E-07	6.41E-06	1.18E-05	6.98E-07	6.34E-06	1.17E-05	6.59E-07	5.87E-06	1.08E-05	6.51E-07	5.69E-06	1.07E-05
2,242	7.41E-07	6.41E-06	1.23E-05	7.14E-07	6.41E-06	1.18E-05	6.98E-07	6.33E-06	1.17E-05	6.58E-07	5.87E-06	1.08E-05	6.51E-07	5.68E-06	1.07E-05
2,243	7.40E-07	6.41E-06	1.23E-05	7.14E-07	6.40E-06	1.18E-05	6.98E-07	6.33E-06	1.17E-05	6.58E-07	5.87E-06	1.08E-05	6.51E-07	5.68E-06	1.07E-05
2,244	7.39E-07	6.41E-06	1.23E-05	7.14E-07	6.40E-06	1.18E-05	6.98E-07	6.33E-06	1.17E-05	6.57E-07	5.87E-06	1.08E-05	6.51E-07	5.68E-06	1.07E-05
2,245	7.39E-07	6.41E-06	1.23E-05	7.13E-07	6.40E-06	1.18E-05	6.97E-07	6.33E-06	1.17E-05	6.57E-07	5.86E-06	1.08E-05	6.50E-07	5.68E-06	1.07E-05
2,246	7.39E-07	6.41E-06	1.23E-05	7.13E-07	6.38E-06	1.18E-05	6.97E-07	6.32E-06	1.17E-05	6.57E-07	5.86E-06	1.08E-05	6.50E-07	5.68E-06	1.07E-05
2,247	7.38E-07	6.40E-06	1.23E-05	7.13E-07	6.38E-06	1.18E-05	6.97E-07	6.32E-06	1.17E-05	6.57E-07	5.86E-06	1.08E-05	6.50E-07	5.67E-06	1.07E-05
2,248	7.38E-07	6.40E-06	1.23E-05	7.13E-07	6.38E-06	1.18E-05	6.97E-07	6.32E-06	1.17E-05	6.57E-07	5.86E-06	1.08E-05	6.49E-07	5.67E-06	1.07E-05
2,249	7.38E-07	6.40E-06	1.23E-05	7.13E-07	6.38E-06	1.18E-05	6.95E-07	6.32E-06	1.16E-05	6.56E-07	5.86E-06	1.08E-05	6.49E-07	5.67E-06	1.07E-05
2,250	7.37E-07	6.40E-06	1.22E-05	7.12E-07	6.36E-06	1.18E-05	6.95E-07	6.32E-06	1.16E-05	6.55E-07	5.86E-06	1.08E-05	6.49E-07	5.67E-06	1.07E-05
2,251	7.37E-07	6.39E-06	1.22E-05	7.12E-07	6.36E-06	1.18E-05	6.95E-07	6.32E-06	1.16E-05	6.55E-07	5.86E-06	1.08E-05	6.49E-07	5.66E-06	1.07E-05
2,252	7.37E-07	6.39E-06	1.22E-05	7.12E-07	6.36E-06	1.18E-05	6.95E-07	6.31E-06	1.16E-05	6.55E-07	5.85E-06	1.08E-05	6.48E-07	5.66E-06	1.07E-05
2,253	7.37E-07	6.39E-06	1.22E-05	7.12E-07	6.36E-06	1.18E-05	6.95E-07	6.31E-06	1.16E-05	6.55E-07	5.85E-06	1.08E-05	6.48E-07	5.66E-06	1.07E-05
2,254	7.37E-07	6.39E-06	1.22E-05	7.12E-07	6.36E-06	1.17E-05	6.94E-07	6.31E-06	1.16E-05	6.55E-07	5.85E-06	1.08E-05	6.47E-07	5.66E-06	1.07E-05
2,255	7.37E-07	6.39E-06	1.22E-05	7.11E-07	6.35E-06	1.17E-05	6.94E-07	6.31E-06	1.16E-05	6.55E-07	5.85E-06	1.07E-05	6.47E-07	5.66E-06	1.07E-05
2,256	7.37E-07	6.39E-06	1.22E-05	7.11E-07	6.35E-06	1.17E-05	6.94E-07	6.31E-06	1.16E-05	6.55E-07	5.84E-06	1.07E-05	6.47E-07	5.66E-06	1.07E-05
2,257	7.37E-07	6.38E-06	1.22E-05	7.11E-07	6.34E-06	1.17E-05	6.93E-07	6.30E-06	1.16E-05	6.54E-07	5.84E-06	1.07E-05	6.47E-07	5.66E-06	1.07E-05
2,258	7.37E-07	6.38E-06	1.22E-05	7.11E-07	6.34E-06	1.17E-05	6.93E-07	6.29E-06	1.16E-05	6.54E-07	5.84E-06	1.07E-05	6.47E-07	5.66E-06	1.07E-05
2,259	7.36E-07	6.38E-06	1.22E-05	7.11E-07	6.34E-06	1.17E-05	6.93E-07	6.29E-06	1.16E-05	6.54E-07	5.83E-06	1.07E-05	6.47E-07	5.66E-06	1.07E-05
2,260	7.36E-07	6.38E-06	1.22E-05	7.10E-07	6.34E-06	1.17E-05	6.93E-07	6.29E-06	1.16E-05	6.54E-07	5.83E-06	1.07E-05	6.46E-07	5.66E-06	1.07E-05
2,261	7.36E-07	6.38E-06	1.22E-05	7.10E-07	6.34E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.54E-07	5.83E-06	1.07E-05	6.46E-07	5.66E-06	1.07E-05
2,262	7.36E-07	6.38E-06	1.22E-05	7.09E-07	6.34E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.54E-07	5.83E-06	1.07E-05	6.46E-07	5.65E-06	1.07E-05
2,263	7.36E-07	6.37E-06	1.22E-05	7.09E-07	6.34E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.53E-07	5.83E-06	1.07E-05	6.45E-07	5.65E-06	1.07E-05
2,264	7.36E-07	6.37E-06	1.22E-05	7.09E-07	6.34E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.53E-07	5.83E-06	1.07E-05	6.45E-07	5.65E-06	1.06E-05
2,265	7.36E-07	6.37E-06	1.22E-05	7.09E-07	6.34E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.53E-07	5.83E-06	1.07E-05	6.45E-07	5.64E-06	1.06E-05
2,266	7.35E-07	6.36E-06	1.22E-05	7.07E-07	6.33E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.52E-07	5.83E-06	1.07E-05	6.45E-07	5.64E-06	1.06E-05
2,267	7.35E-07	6.36E-06	1.22E-05	7.07E-07	6.33E-06	1.17E-05	6.92E-07	6.28E-06	1.16E-05	6.52E-07	5.82E-06	1.07E-05	6.45E-07	5.64E-06	1.06E-05
2,268	7.35E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,272	7.34E-07	6.35E-06	1.22E-05	7.05E-07	6.31E-06	1.17E-05	6.91E-07	6.27E-06	1.15E-05	6.50E-07	5.82E-06	1.07E-05	6.43E-07	5.62E-06	1.06E-05
2,273	7.33E-07	6.35E-06	1.21E-05	7.05E-07	6.31E-06	1.17E-05	6.90E-07	6.27E-06	1.15E-05	6.50E-07	5.81E-06	1.07E-05	6.42E-07	5.62E-06	1.06E-05
2,274	7.33E-07	6.35E-06	1.21E-05	7.05E-07	6.31E-06	1.17E-05	6.89E-07	6.27E-06	1.15E-05	6.50E-07	5.81E-06	1.07E-05	6.42E-07	5.62E-06	1.06E-05
2,275	7.33E-07	6.35E-06	1.21E-05	7.05E-07	6.30E-06	1.17E-05	6.89E-07	6.27E-06	1.15E-05	6.50E-07	5.80E-06	1.07E-05	6.42E-07	5.61E-06	1.06E-05
2,276	7.33E-07	6.34E-06	1.21E-05	7.04E-07	6.30E-06	1.17E-05	6.88E-07	6.26E-06	1.15E-05	6.49E-07	5.80E-06	1.07E-05	6.42E-07	5.61E-06	1.06E-05
2,277	7.33E-07	6.34E-06	1.21E-05	7.04E-07	6.30E-06	1.17E-05	6.88E-07	6.26E-06	1.15E-05	6.49E-07	5.80E-06	1.07E-05	6.42E-07	5.60E-06	1.06E-05
2,278	7.33E-07	6.34E-06	1.21E-05	7.04E-07	6.30E-06	1.17E-05	6.88E-07	6.26E-06	1.15E-05	6.49E-07	5.80E-06	1.07E-05	6.42E-07	5.60E-06	1.06E-05
2,279	7.33E-07	6.33E-06	1.21E-05	7.04E-07	6.30E-06	1.17E-05	6.88E-07	6.25E-06	1.15E-05	6.49E-07	5.79E-06	1.07E-05	6.42E-07	5.60E-06	1.06E-05
2,280	7.32E-07	6.33E-06	1.21E-05	7.03E-07	6.30E-06	1.17E-05	6.87E-07	6.24E-06	1.15E-05	6.49E-07	5.79E-06	1.07E-05	6.41E-07	5.60E-06	1.06E-05
2,281	7.32E-07	6.33E-06	1.21E-05	7.03E-07	6.29E-06	1.17E-05	6.87E-07	6.24E-06	1.15E-05	6.48E-07	5.79E-06	1.07E-05	6.41E-07	5.59E-06	1.06E-05
2,282	7.31E-07	6.32E-06	1.21E-05	7.03E-07	6.29E-06	1.17E-05	6.87E-07	6.24E-06	1.15E-05	6.48E-07	5.79E-06	1.07E-05	6.41E-07	5.59E-06	1.06E-05
2,283	7.31E-07	6.32E-06	1.21E-05	7.03E-07	6.29E-06	1.17E-05	6.86E-07	6.24E-06	1.15E-05	6.48E-07	5.78E-06	1.06E-05	6.41E-07	5.58E-06	1.06E-05
2,284	7.31E-07	6.32E-06	1.21E-05	7.03E-07	6.28E-06	1.17E-05	6.86E-07	6.23E-06	1.15E-05	6.47E-07	5.78E-06	1.06E-05	6.41E-07	5.58E-06	1.06E-05
2,285	7.30E-07	6.32E-06	1.21E-05	7.03E-07	6.28E-06	1.16E-05	6.86E-07	6.23E-06	1.15E-05	6.47E-07	5.78E-06	1.06E-05	6.41E-07	5.58E-06	1.06E-05
2,286	7.30E-07	6.32E-06	1.21E-05	7.03E-07	6.28E-06	1.16E-05	6.86E-07	6.23E-06	1.15E-05	6.47E-07	5.78E-06	1.06E-05	6.40E-07	5.58E-06	1.06E-05
2,287	7.30E-07	6.32E-06	1.21E-05	7.03E-07	6.28E-06	1.16E-05	6.85E-07	6.23E-06	1.15E-05	6.46E-07	5.78E-06	1.06E-05	6.40E-07	5.58E-06	1.05E-05
2,288	7.30E-07	6.31E-06	1.21E-05	7.03E-07	6.27E-06	1.16E-05	6.85E-07	6.23E-06	1.15E-05	6.46E-07	5.78E-06	1.06E-05	6.40E-07	5.57E-06	1.05E-05
2,289	7.30E-07	6.31E-06	1.21E-05	7.03E-07	6.27E-06	1.16E-05	6.84E-07	6.23E-06	1.15E-05	6.46E-07	5.77E-06	1.06E-05	6.40E-07	5.57E-06	1.05E-05
2,290	7.30E-07	6.31E-06	1.21E-05	7.03E-07	6.27E-06	1.16E-05	6.84E-07	6.23E-06	1.14E-05	6.46E-07	5.77E-06	1.06E-05	6.40E-07	5.56E-06	1.05E-05
2,291	7.29E-07	6.31E-06	1.21E-05	7.02E-07	6.27E-06	1.16E-05	6.84E-07	6.22E-06	1.14E-05	6.45E-07	5.77E-06	1.06E-05	6.40E-07	5.56E-06	1.05E-05
2,292	7.29E-07	6.30E-06	1.21E-05	7.02E-07	6.27E-06	1.16E-05	6.84E-07	6.22E-06	1.14E-05	6.45E-07	5.76E-06	1.06E-05	6.39E-07	5.56E-06	1.05E-05
2,293	7.29E-07	6.30E-06	1.21E-05	7.02E-07	6.26E-06	1.16E-05	6.84E-07	6.22E-06	1.14E-05	6.45E-07	5.76E-06	1.06E-05	6.39E-07	5.56E-06	1.05E-05
2,294	7.29E-07	6.29E-06	1.21E-05	7.02E-07	6.26E-06	1.16E-05	6.83E-07	6.22E-06	1.14E-05	6.44E-07	5.76E-06	1.06E-05	6.39E-07	5.55E-06	1.05E-05
2,295	7.29E-07	6.29E-06	1.21E-05	7.02E-07	6.25E-06	1.16E-05	6.83E-07	6.21E-06	1.14E-05	6.44E-07	5.75E-06	1.06E-05	6.39E-07	5.55E-06	1.05E-05
2,296	7.29E-07	6.29E-06	1.21E-05	7.01E-07	6.25E-06	1.16E-05	6.83E-07	6.21E-06	1.14E-05	6.44E-07	5.75E-06	1.06E-05	6.39E-07	5.55E-06	1.05E-05
2,297	7.28E-07	6.29E-06	1.20E-05	7.00E-07	6.25E-06	1.16E-05	6.83E-07	6.21E-06	1.14E-05	6.44E-07	5.75E-06	1.06E-05	6.38E-07	5.55E-06	1.05E-05
2,298	7.28E-07	6.28E-06	1.20E-05	7.00E-07	6.25E-06	1.16E-05	6.83E-07	6.20E-06	1.14E-05	6.44E-07	5.75E-06	1.06E-05	6.38E-07	5.54E-06	1.05E-05
2,299	7.28E-07	6.27E-06	1.20E-05	7.00E-07	6.25E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.44E-07	5.74E-06	1.06E-05	6.37E-07	5.54E-06	1.05E-05
2,300	7.27E-07	6.27E-06	1.20E-05	6.99E-07	6.24E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.43E-07	5.74E-06	1.06E-05	6.37E-07	5.54E-06	1.05E-05
2,301	7.27E-07	6.27E-06	1.20E-05	6.99E-07	6.23E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.43E-07	5.74E-06	1.06E-05	6.37E-07	5.54E-06	1.05E-05
2,302	7.26E-07	6.27E-06	1.20E-05	6.98E-07	6.22E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.43E-07	5.74E-06	1.06E-05	6.37E-07	5.54E-06	1.05E-05
2,303	7.26E-07	6.26E-06	1.20E-05	6.98E-07	6.22E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.43E-07	5.74E-06	1.06E-05	6.36E-07	5.54E-06	1.05E-05
2,304	7.26E-07	6.26E-06	1.20E-05	6.98E-07	6.22E-06	1.16E-05	6.82E-07	6.20E-06	1.14E-05	6.42E-07	5.73E-06	1.06E-05	6.36E-07	5.54E-06	1.05E-05
2,305	7.25E-07	6.25E-06	1.20E-05	6.97E-07	6.22E-06	1.16E-05	6.82E-07	6.19E-06	1.14E-05	6.42E-07	5.73E-06	1.06E-05	6.36E-07	5.54E-06	1.05E-05
2,306	7.25E-07	6.25E-06	1.20E-05	6.97E-07	6.22E-06	1.16E-05	6.82E-07	6.19E-06	1.14E-05	6.42E-07	5.73E-06	1.05E-05	6.36E-07	5.54E-06	1.05E-05
2,307	7.25E-07	6.25E-06	1.20E-05	6.97E-07	6.21E-06	1.16E-05	6.81E-07	6.18E-06	1.14E-05	6.42E-07	5.73E-06	1.05E-05	6.36E-07	5.54E-06	1.05E-05
2,308	7.25E-07	6.25E-06	1.20E-05	6.96E-07	6.21E-06	1.15E-05	6.81E-07	6.18E-06	1.14E-05	6.42E-07	5.73E-06	1.05E-05	6.36E-07	5.54E-06	1.05E-05
2,309	7.25E-07	6.25E-06	1.20E-05	6.96E-07	6.21E-06	1.15E-05	6.81E-07	6.18E-06	1.14E-05	6.42E-07	5.73E-06	1.05E-05	6.36E-07	5.53E-06	1.05E-05
2,310	7.24E-07	6.25E-06	1.20E-05	6.96E-07	6.21E-06	1.15E-05	6.81E-07	6.18E-06	1.14E-05	6.41E-07	5.73E-06	1.05E-05	6.35E-07	5.53E-06	1.05E-05
2,311	7.24E-07	6.25E-06	1.20E-05	6.95E-07	6.21E-06	1.15E-05	6.81E-07	6.18E-06	1.14E-05	6.41E-07	5.72E-06	1.05E-05	6.35E-07	5.53E-06	1.05E-05
2,312	7.24E-07	6.25E-06	1.20E-05	6.95E-07	6.21E-06	1.15E-05	6.81E-07	6.18E-06	1.14E-05	6.39E-07	5.72E-06	1.05E-05	6.35E-07	5.53E-06	1.05E-05
2,313	7.23E-07	6.24E-06	1.20E-05	6.95E-07	6.20E-06	1.15E-05	6.80E-07	6.18E-06	1.14E-05	6.39E-07	5.72E-06	1.05E-05	6.35E-07	5.52E-06	1.05E-05
2,314	7.23E-07	6.24E-06	1.20E-05	6.95E-07	6.20E-06	1.15E-05	6.80E-07	6.18E-06	1.14E-05	6.39E-07	5.72E-06	1.05E-05	6.35E-07	5.52E-06	1.04E-05
2,315	7.23E-07	6.24E-06	1.20E-05	6.95E-07	6.20E-06	1.15E-05	6.80E-07	6.18E-06	1.14E-05	6.38E-07	5.72E-06	1.05E-05	6.34E-07	5.52E-06	1.04E-05
2,316	7.22E-07	6.23E-06	1.20E-05	6.95E-07	6.19E-06	1.15E-05	6.80E-07	6.18E-06	1.14E-05	6.38E-07	5.72E-06	1.05E-05	6.34E-07	5.52E-06	1.04E-05
2,317	7.22E-07	6.23E-06	1.20E-05	6.94E-07	6.19E-06	1.15E-05	6.79E-07	6.17E-06	1.14E-05	6.38E-07	5.71E-06	1.05E-05	6.34E-07	5.52E-06	1.04E-05
2,318	7.22E-07	6.23E-06	1.20E-05	6.94E-07	6.19E-06	1.15E-05	6.79E-07	6.17E-06	1.14E-05	6.38E-07	5.71E-06	1.05E-05	6.34E-07	5.52E-06	1.04E-05
2,319	7.22E-07	6.23E-06	1.20E-05	6.94E-07	6.19E-06	1.15E-05	6.79E-07	6.17E-06	1.14E-05	6.37E-07	5.71E-06	1.05E-05	6.34E-07	5.51E-06	1.04E-05
2,320	7.22E-07	6.23E-06	1.19E-05	6.94E-07	6.19E-06	1.15E-05	6.79E-07	6.17E-06	1.14E-05	6.37E-07	5.71E-06	1.05E-05	6.34E-07	5.51E-06	1.04E-05
2,321	7.21E-07	6.22E-06	1.19E-05	6.94E-07	6.19E-06	1.15E-05	6.79E-07	6.16E-06	1.13E-05	6.37E-07	5.71E-06	1.05E-05	6.33E-07	5.51E-06	1.04E-05
2,322	7.21E-07	6.22E-06	1.19E-05	6.94E-07	6.18E-06	1.15E-05	6.78E-07	6.16E-06	1.13E-05	6.37E-07	5.71E-06	1.05E-05	6.33E-07	5.50E-06	1.04E-05
2,323	7.21E-07	6.22E-06	1.19E-05	6.94E-07	6.18E-06	1.15E-05	6.78E-07	6.15E-06	1.13E-05	6.36E-07	5.71E-06	1.05E-05	6.33E-07	5.50E-06	1.04E-05
2,324	7.21E-07	6.21E-06	1.19E-05	6.94E-07	6.18E-06	1.15E-05	6.78E-07	6.15E-06	1.13E-05	6.36E-07	5.70E-06	1.05E-05	6.32E-07	5.49E-06	1.04E-05
2,325	7.20E-07	6.21E-06	1.19E-05	6.93E-07	6.17E-06	1.15E-05	6.78E-07	6.15E-06	1.13E-05	6.36E-07	5.70E-06	1.05E-05	6.32E-07	5.49E-06	1.04E-05
2,326	7.20E-07	6.21E-06	1.19E-05	6.93E-07	6.17E-06	1.15E-05	6.78E-07	6.15E-06	1.13E-05	6.36E-07	5.70E-06	1.05E-05	6.32E-07	5.49E-06	1.04E-05
2,327	7.19E-07	6.21E-06	1.19E-05	6.93E-07	6.17E-06	1.15E-05	6.77E-07	6.15E-06	1.13E-05	6.35E-07	5.70E-06	1.05E-05	6.31E-07	5.48E-06	1.04E-05
2,328	7.19E-07	6.20E-06	1.19E-05	6.93E-07	6.17E-06	1.15E-05	6.77E-07	6.14E-06	1.13E-05	6.35E-07	5.69E-06	1.05E-05	6.31E-07	5.48E-06	1.04E-05
2,329	7.19E-07	6.20E-06	1.19E-05	6.93E-07	6.17E-06	1.15E-05	6.77E-07	6.14E-06	1.13E-05	6.35E-07	5.69E-06	1.05E-05	6.30E-07	5.48E-06	1.04E-05
2,330	7.19E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,334	7.17E-07	6.18E-06	1.19E-05	6.90E-07	6.15E-06	1.15E-05	6.76E-07	6.13E-06	1.13E-05	6.33E-07	5.67E-06	1.05E-05	6.30E-07	5.47E-06	1.04E-05
2,335	7.17E-07	6.18E-06	1.19E-05	6.90E-07	6.15E-06	1.15E-05	6.75E-07	6.13E-06	1.13E-05	6.33E-07	5.67E-06	1.05E-05	6.29E-07	5.46E-06	1.04E-05
2,336	7.16E-07	6.17E-06	1.19E-05	6.90E-07	6.15E-06	1.14E-05	6.75E-07	6.13E-06	1.13E-05	6.33E-07	5.67E-06	1.05E-05	6.29E-07	5.45E-06	1.04E-05
2,337	7.15E-07	6.17E-06	1.19E-05	6.90E-07	6.15E-06	1.14E-05	6.74E-07	6.13E-06	1.13E-05	6.33E-07	5.67E-06	1.05E-05	6.28E-07	5.45E-06	1.04E-05
2,338	7.15E-07	6.17E-06	1.19E-05	6.89E-07	6.15E-06	1.14E-05	6.74E-07	6.12E-06	1.13E-05	6.33E-07	5.65E-06	1.05E-05	6.28E-07	5.45E-06	1.04E-05
2,339	7.15E-07	6.17E-06	1.19E-05	6.89E-07	6.14E-06	1.14E-05	6.74E-07	6.12E-06	1.13E-05	6.33E-07	5.65E-06	1.05E-05	6.28E-07	5.45E-06	1.04E-05
2,340	7.15E-07	6.17E-06	1.19E-05	6.89E-07	6.14E-06	1.14E-05	6.74E-07	6.11E-06	1.13E-05	6.32E-07	5.65E-06	1.04E-05	6.28E-07	5.45E-06	1.04E-05
2,341	7.15E-07	6.17E-06	1.19E-05	6.89E-07	6.14E-06	1.14E-05	6.74E-07	6.11E-06	1.13E-05	6.32E-07	5.64E-06	1.04E-05	6.27E-07	5.45E-06	1.04E-05
2,342	7.15E-07	6.16E-06	1.18E-05	6.88E-07	6.13E-06	1.14E-05	6.74E-07	6.11E-06	1.13E-05	6.32E-07	5.64E-06	1.04E-05	6.27E-07	5.44E-06	1.04E-05
2,343	7.14E-07	6.16E-06	1.18E-05	6.88E-07	6.13E-06	1.14E-05	6.74E-07	6.11E-06	1.13E-05	6.32E-07	5.64E-06	1.04E-05	6.27E-07	5.44E-06	1.04E-05
2,344	7.14E-07	6.16E-06	1.18E-05	6.88E-07	6.13E-06	1.14E-05	6.73E-07	6.10E-06	1.13E-05	6.32E-07	5.63E-06	1.04E-05	6.27E-07	5.44E-06	1.04E-05
2,345	7.14E-07	6.16E-06	1.18E-05	6.88E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.13E-05	6.32E-07	5.63E-06	1.04E-05	6.27E-07	5.44E-06	1.04E-05
2,346	7.14E-07	6.16E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.13E-05	6.31E-07	5.63E-06	1.04E-05	6.26E-07	5.44E-06	1.04E-05
2,347	7.14E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.13E-05	6.31E-07	5.63E-06	1.04E-05	6.26E-07	5.44E-06	1.04E-05
2,348	7.14E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.13E-05	6.31E-07	5.63E-06	1.04E-05	6.26E-07	5.43E-06	1.04E-05
2,349	7.14E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.12E-05	6.31E-07	5.62E-06	1.04E-05	6.25E-07	5.43E-06	1.04E-05
2,350	7.13E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.73E-07	6.10E-06	1.12E-05	6.30E-07	5.62E-06	1.04E-05	6.25E-07	5.43E-06	1.04E-05
2,351	7.13E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.72E-07	6.10E-06	1.12E-05	6.30E-07	5.62E-06	1.04E-05	6.25E-07	5.43E-06	1.04E-05
2,352	7.13E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.72E-07	6.09E-06	1.12E-05	6.30E-07	5.62E-06	1.04E-05	6.25E-07	5.43E-06	1.04E-05
2,353	7.12E-07	6.15E-06	1.18E-05	6.87E-07	6.12E-06	1.14E-05	6.72E-07	6.09E-06	1.12E-05	6.30E-07	5.62E-06	1.04E-05	6.24E-07	5.43E-06	1.04E-05
2,354	7.12E-07	6.14E-06	1.18E-05	6.86E-07	6.12E-06	1.14E-05	6.72E-07	6.09E-06	1.12E-05	6.30E-07	5.62E-06	1.04E-05	6.24E-07	5.43E-06	1.04E-05
2,355	7.12E-07	6.14E-06	1.18E-05	6.86E-07	6.11E-06	1.14E-05	6.72E-07	6.09E-06	1.12E-05	6.30E-07	5.61E-06	1.04E-05	6.24E-07	5.42E-06	1.03E-05
2,356	7.12E-07	6.14E-06	1.18E-05	6.86E-07	6.11E-06	1.14E-05	6.71E-07	6.09E-06	1.12E-05	6.29E-07	5.60E-06	1.04E-05	6.23E-07	5.42E-06	1.03E-05
2,357	7.11E-07	6.14E-06	1.18E-05	6.85E-07	6.11E-06	1.14E-05	6.71E-07	6.09E-06	1.12E-05	6.29E-07	5.60E-06	1.04E-05	6.23E-07	5.41E-06	1.03E-05
2,358	7.11E-07	6.13E-06	1.18E-05	6.85E-07	6.11E-06	1.14E-05	6.70E-07	6.08E-06	1.12E-05	6.29E-07	5.60E-06	1.04E-05	6.23E-07	5.41E-06	1.03E-05
2,359	7.11E-07	6.13E-06	1.18E-05	6.85E-07	6.11E-06	1.14E-05	6.70E-07	6.08E-06	1.12E-05	6.29E-07	5.59E-06	1.04E-05	6.23E-07	5.41E-06	1.03E-05
2,360	7.11E-07	6.13E-06	1.18E-05	6.85E-07	6.11E-06	1.13E-05	6.70E-07	6.08E-06	1.12E-05	6.29E-07	5.59E-06	1.04E-05	6.23E-07	5.40E-06	1.03E-05
2,361	7.11E-07	6.13E-06	1.18E-05	6.85E-07	6.11E-06	1.13E-05	6.70E-07	6.08E-06	1.12E-05	6.29E-07	5.59E-06	1.04E-05	6.22E-07	5.40E-06	1.03E-05
2,362	7.11E-07	6.13E-06	1.18E-05	6.84E-07	6.10E-06	1.13E-05	6.69E-07	6.08E-06	1.12E-05	6.29E-07	5.59E-06	1.04E-05	6.22E-07	5.40E-06	1.03E-05
2,363	7.10E-07	6.13E-06	1.18E-05	6.84E-07	6.10E-06	1.13E-05	6.69E-07	6.08E-06	1.12E-05	6.29E-07	5.59E-06	1.04E-05	6.22E-07	5.40E-06	1.03E-05
2,364	7.10E-07	6.13E-06	1.18E-05	6.83E-07	6.10E-06	1.13E-05	6.69E-07	6.08E-06	1.12E-05	6.28E-07	5.58E-06	1.04E-05	6.21E-07	5.39E-06	1.03E-05
2,365	7.10E-07	6.12E-06	1.18E-05	6.83E-07	6.10E-06	1.13E-05	6.69E-07	6.07E-06	1.12E-05	6.28E-07	5.58E-06	1.04E-05	6.21E-07	5.39E-06	1.03E-05
2,366	7.09E-07	6.12E-06	1.18E-05	6.82E-07	6.10E-06	1.13E-05	6.69E-07	6.07E-06	1.12E-05	6.27E-07	5.58E-06	1.04E-05	6.21E-07	5.39E-06	1.03E-05
2,367	7.09E-07	6.11E-06	1.18E-05	6.82E-07	6.09E-06	1.13E-05	6.69E-07	6.06E-06	1.12E-05	6.27E-07	5.58E-06	1.04E-05	6.20E-07	5.39E-06	1.03E-05
2,368	7.09E-07	6.11E-06	1.18E-05	6.82E-07	6.09E-06	1.13E-05	6.68E-07	6.06E-06	1.12E-05	6.27E-07	5.58E-06	1.04E-05	6.20E-07	5.39E-06	1.03E-05
2,369	7.09E-07	6.11E-06	1.18E-05	6.81E-07	6.09E-06	1.13E-05	6.68E-07	6.06E-06	1.12E-05	6.27E-07	5.58E-06	1.04E-05	6.20E-07	5.39E-06	1.03E-05
2,370	7.09E-07	6.11E-06	1.18E-05	6.81E-07	6.09E-06	1.13E-05	6.67E-07	6.06E-06	1.12E-05	6.27E-07	5.57E-06	1.04E-05	6.19E-07	5.39E-06	1.03E-05
2,371	7.09E-07	6.10E-06	1.18E-05	6.81E-07	6.09E-06	1.13E-05	6.67E-07	6.05E-06	1.12E-05	6.27E-07	5.57E-06	1.04E-05	6.18E-07	5.38E-06	1.03E-05
2,372	7.08E-07	6.10E-06	1.18E-05	6.81E-07	6.09E-06	1.13E-05	6.67E-07	6.05E-06	1.12E-05	6.26E-07	5.57E-06	1.03E-05	6.18E-07	5.38E-06	1.03E-05
2,373	7.08E-07	6.09E-06	1.18E-05	6.80E-07	6.09E-06	1.13E-05	6.66E-07	6.05E-06	1.12E-05	6.26E-07	5.57E-06	1.03E-05	6.18E-07	5.38E-06	1.03E-05
2,374	7.07E-07	6.09E-06	1.17E-05	6.80E-07	6.09E-06	1.13E-05	6.66E-07	6.04E-06	1.12E-05	6.26E-07	5.57E-06	1.03E-05	6.18E-07	5.38E-06	1.03E-05
2,375	7.07E-07	6.09E-06	1.17E-05	6.80E-07	6.09E-06	1.13E-05	6.66E-07	6.04E-06	1.12E-05	6.25E-07	5.56E-06	1.03E-05	6.18E-07	5.38E-06	1.03E-05
2,376	7.07E-07	6.09E-06	1.17E-05	6.80E-07	6.08E-06	1.13E-05	6.66E-07	6.04E-06	1.12E-05	6.25E-07	5.56E-06	1.03E-05	6.18E-07	5.37E-06	1.03E-05
2,377	7.07E-07	6.09E-06	1.17E-05	6.80E-07	6.08E-06	1.13E-05	6.66E-07	6.03E-06	1.11E-05	6.25E-07	5.56E-06	1.03E-05	6.17E-07	5.37E-06	1.03E-05
2,378	7.07E-07	6.09E-06	1.17E-05	6.79E-07	6.08E-06	1.13E-05	6.66E-07	6.03E-06	1.11E-05	6.24E-07	5.56E-06	1.03E-05	6.17E-07	5.37E-06	1.03E-05
2,379	7.06E-07	6.09E-06	1.17E-05	6.79E-07	6.08E-06	1.13E-05	6.65E-07	6.03E-06	1.11E-05	6.24E-07	5.56E-06	1.03E-05	6.17E-07	5.37E-06	1.03E-05
2,380	7.06E-07	6.09E-06	1.17E-05	6.79E-07	6.07E-06	1.13E-05	6.65E-07	6.03E-06	1.11E-05	6.24E-07	5.55E-06	1.03E-05	6.17E-07	5.36E-06	1.02E-05
2,381	7.06E-07	6.09E-06	1.17E-05	6.79E-07	6.07E-06	1.13E-05	6.65E-07	6.03E-06	1.11E-05	6.24E-07	5.55E-06	1.03E-05	6.16E-07	5.36E-06	1.02E-05
2,382	7.06E-07	6.08E-06	1.17E-05	6.79E-07	6.06E-06	1.13E-05	6.65E-07	6.02E-06	1.11E-05	6.24E-07	5.55E-06	1.03E-05	6.16E-07	5.36E-06	1.02E-05
2,383	7.06E-07	6.08E-06	1.17E-05	6.79E-07	6.06E-06	1.13E-05	6.65E-07	6.02E-06	1.11E-05	6.24E-07	5.55E-06	1.03E-05	6.15E-07	5.36E-06	1.02E-05
2,384	7.06E-07	6.08E-06	1.17E-05	6.79E-07	6.06E-06	1.13E-05	6.65E-07	6.02E-06	1.11E-05	6.23E-07	5.55E-06	1.03E-05	6.15E-07	5.35E-06	1.02E-05
2,385	7.05E-07	6.08E-06	1.17E-05	6.78E-07	6.06E-06	1.13E-05	6.65E-07	6.01E-06	1.11E-05	6.23E-07	5.55E-06	1.03E-05	6.15E-07	5.35E-06	1.02E-05
2,386	7.05E-07	6.07E-06	1.17E-05	6.78E-07	6.06E-06	1.13E-05	6.64E-07	6.01E-06	1.11E-05	6.23E-07	5.55E-06	1.03E-05	6.15E-07	5.35E-06	1.02E-05
2,387	7.05E-07	6.07E-06	1.17E-05	6.78E-07	6.06E-06	1.13E-05	6.64E-07	6.01E-06	1.11E-05	6.23E-07	5.54E-06	1.03E-05	6.15E-07	5.35E-06	1.02E-05
2,388	7.05E-07	6.07E-06	1.17E-05	6.78E-07	6.06E-06	1.13E-05	6.64E-07	6.00E-06	1.11E-05	6.22E-07	5.54E-06	1.03E-05	6.14E-07	5.34E-06	1.02E-05
2,389	7.05E-07	6.07E-06	1.17E-05	6.78E-07	6.05E-06	1.13E-05	6.64E-07	6.00E-06	1.11E-05	6.22E-07	5.54E-06	1.03E-05	6.14E-07	5.34E-06	1.02E-05
2,390	7.05E-07	6.07E-06	1.17E-05	6.77E-07	6.05E-06	1.13E-05	6.64E-07	6.00E-06	1.11E-05	6.21E-07	5.54E-06	1.03E-05	6.14E-07	5.34E-06	1.02E-05
2,391	7.04E-07	6.07E-06	1.17E-05	6.77E-07	6.05E-06	1.13E-05	6.64E-07	6.00E-06	1.11E-05	6.21E-07	5.54E-06	1.03E-05	6.13E-07	5.34E-06	1.02E-05
2,392	7.04E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,396	7.03E-07	6.06E-06	1.17E-05	6.75E-07	6.03E-06	1.13E-05	6.63E-07	5.99E-06	1.11E-05	6.20E-07	5.53E-06	1.03E-05	6.12E-07	5.33E-06	1.02E-05
2,397	7.03E-07	6.05E-06	1.17E-05	6.75E-07	6.03E-06	1.12E-05	6.63E-07	5.99E-06	1.11E-05	6.20E-07	5.53E-06	1.03E-05	6.12E-07	5.33E-06	1.02E-05
2,398	7.02E-07	6.05E-06	1.17E-05	6.75E-07	6.03E-06	1.12E-05	6.62E-07	5.98E-06	1.11E-05	6.20E-07	5.53E-06	1.03E-05	6.12E-07	5.32E-06	1.02E-05
2,399	7.02E-07	6.05E-06	1.17E-05	6.75E-07	6.03E-06	1.12E-05	6.62E-07	5.98E-06	1.11E-05	6.20E-07	5.53E-06	1.02E-05	6.12E-07	5.32E-06	1.02E-05
2,400	7.02E-07	6.05E-06	1.17E-05	6.75E-07	6.03E-06	1.12E-05	6.62E-07	5.98E-06	1.11E-05	6.20E-07	5.52E-06	1.02E-05	6.12E-07	5.32E-06	1.02E-05
2,401	7.02E-07	6.04E-06	1.17E-05	6.74E-07	6.03E-06	1.12E-05	6.62E-07	5.98E-06	1.11E-05	6.19E-07	5.52E-06	1.02E-05	6.11E-07	5.32E-06	1.02E-05
2,402	7.01E-07	6.04E-06	1.17E-05	6.74E-07	6.02E-06	1.12E-05	6.62E-07	5.98E-06	1.10E-05	6.19E-07	5.52E-06	1.02E-05	6.11E-07	5.32E-06	1.02E-05
2,403	7.00E-07	6.04E-06	1.17E-05	6.73E-07	6.02E-06	1.12E-05	6.61E-07	5.98E-06	1.10E-05	6.19E-07	5.52E-06	1.02E-05	6.11E-07	5.32E-06	1.02E-05
2,404	7.00E-07	6.04E-06	1.17E-05	6.73E-07	6.01E-06	1.12E-05	6.61E-07	5.98E-06	1.10E-05	6.19E-07	5.52E-06	1.02E-05	6.11E-07	5.31E-06	1.01E-05
2,405	7.00E-07	6.03E-06	1.16E-05	6.73E-07	6.01E-06	1.12E-05	6.61E-07	5.98E-06	1.10E-05	6.18E-07	5.52E-06	1.02E-05	6.11E-07	5.31E-06	1.01E-05
2,406	7.00E-07	6.03E-06	1.16E-05	6.72E-07	6.01E-06	1.12E-05	6.61E-07	5.97E-06	1.10E-05	6.18E-07	5.52E-06	1.02E-05	6.11E-07	5.31E-06	1.01E-05
2,407	7.00E-07	6.02E-06	1.16E-05	6.72E-07	6.01E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.18E-07	5.51E-06	1.02E-05	6.11E-07	5.31E-06	1.01E-05
2,408	6.99E-07	6.02E-06	1.16E-05	6.72E-07	6.01E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.17E-07	5.51E-06	1.02E-05	6.10E-07	5.31E-06	1.01E-05
2,409	6.99E-07	6.02E-06	1.16E-05	6.72E-07	6.01E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.17E-07	5.51E-06	1.02E-05	6.09E-07	5.30E-06	1.01E-05
2,410	6.99E-07	6.01E-06	1.16E-05	6.72E-07	6.01E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.17E-07	5.50E-06	1.02E-05	6.09E-07	5.30E-06	1.01E-05
2,411	6.99E-07	6.01E-06	1.16E-05	6.71E-07	6.01E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.17E-07	5.50E-06	1.02E-05	6.09E-07	5.30E-06	1.01E-05
2,412	6.98E-07	6.01E-06	1.16E-05	6.70E-07	6.00E-06	1.12E-05	6.60E-07	5.97E-06	1.10E-05	6.17E-07	5.50E-06	1.02E-05	6.09E-07	5.30E-06	1.01E-05
2,413	6.98E-07	6.01E-06	1.16E-05	6.70E-07	6.00E-06	1.12E-05	6.60E-07	5.96E-06	1.10E-05	6.17E-07	5.50E-06	1.02E-05	6.09E-07	5.30E-06	1.01E-05
2,414	6.97E-07	6.01E-06	1.16E-05	6.70E-07	6.00E-06	1.12E-05	6.60E-07	5.96E-06	1.10E-05	6.16E-07	5.50E-06	1.02E-05	6.08E-07	5.30E-06	1.01E-05
2,415	6.97E-07	6.00E-06	1.16E-05	6.70E-07	5.99E-06	1.12E-05	6.59E-07	5.96E-06	1.10E-05	6.16E-07	5.50E-06	1.02E-05	6.08E-07	5.29E-06	1.01E-05
2,416	6.97E-07	6.00E-06	1.16E-05	6.69E-07	5.99E-06	1.12E-05	6.59E-07	5.96E-06	1.10E-05	6.16E-07	5.50E-06	1.02E-05	6.08E-07	5.29E-06	1.01E-05
2,417	6.97E-07	5.99E-06	1.16E-05	6.69E-07	5.99E-06	1.12E-05	6.59E-07	5.96E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.08E-07	5.29E-06	1.01E-05
2,418	6.97E-07	5.99E-06	1.16E-05	6.69E-07	5.99E-06	1.12E-05	6.59E-07	5.96E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.07E-07	5.29E-06	1.01E-05
2,419	6.96E-07	5.99E-06	1.16E-05	6.69E-07	5.99E-06	1.12E-05	6.59E-07	5.96E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.07E-07	5.29E-06	1.01E-05
2,420	6.96E-07	5.99E-06	1.16E-05	6.69E-07	5.99E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.07E-07	5.29E-06	1.01E-05
2,421	6.96E-07	5.99E-06	1.16E-05	6.68E-07	5.99E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.07E-07	5.29E-06	1.01E-05
2,422	6.95E-07	5.99E-06	1.16E-05	6.68E-07	5.99E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.15E-07	5.50E-06	1.02E-05	6.07E-07	5.29E-06	1.01E-05
2,423	6.95E-07	5.98E-06	1.16E-05	6.68E-07	5.98E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.15E-07	5.49E-06	1.02E-05	6.06E-07	5.29E-06	1.01E-05
2,424	6.95E-07	5.98E-06	1.16E-05	6.68E-07	5.98E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.15E-07	5.49E-06	1.01E-05	6.06E-07	5.28E-06	1.01E-05
2,425	6.95E-07	5.98E-06	1.16E-05	6.68E-07	5.97E-06	1.12E-05	6.58E-07	5.95E-06	1.10E-05	6.14E-07	5.49E-06	1.01E-05	6.06E-07	5.28E-06	1.01E-05
2,426	6.95E-07	5.98E-06	1.16E-05	6.67E-07	5.97E-06	1.12E-05	6.58E-07	5.95E-06	1.09E-05	6.14E-07	5.49E-06	1.01E-05	6.05E-07	5.28E-06	1.01E-05
2,427	6.94E-07	5.98E-06	1.16E-05	6.67E-07	5.97E-06	1.12E-05	6.57E-07	5.95E-06	1.09E-05	6.14E-07	5.49E-06	1.01E-05	6.05E-07	5.28E-06	1.01E-05
2,428	6.94E-07	5.97E-06	1.16E-05	6.67E-07	5.97E-06	1.12E-05	6.57E-07	5.94E-06	1.09E-05	6.14E-07	5.48E-06	1.01E-05	6.05E-07	5.28E-06	1.01E-05
2,429	6.93E-07	5.97E-06	1.16E-05	6.67E-07	5.97E-06	1.12E-05	6.57E-07	5.94E-06	1.09E-05	6.13E-07	5.48E-06	1.01E-05	6.04E-07	5.28E-06	1.01E-05
2,430	6.93E-07	5.97E-06	1.16E-05	6.66E-07	5.97E-06	1.11E-05	6.57E-07	5.94E-06	1.09E-05	6.13E-07	5.48E-06	1.01E-05	6.03E-07	5.28E-06	1.00E-05
2,431	6.92E-07	5.97E-06	1.16E-05	6.66E-07	5.97E-06	1.11E-05	6.57E-07	5.94E-06	1.09E-05	6.13E-07	5.47E-06	1.01E-05	6.03E-07	5.28E-06	1.00E-05
2,432	6.92E-07	5.97E-06	1.16E-05	6.66E-07	5.97E-06	1.11E-05	6.57E-07	5.94E-06	1.09E-05	6.13E-07	5.47E-06	1.01E-05	6.02E-07	5.28E-06	1.00E-05
2,433	6.92E-07	5.97E-06	1.16E-05	6.66E-07	5.96E-06	1.11E-05	6.57E-07	5.94E-06	1.09E-05	6.13E-07	5.46E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,434	6.92E-07	5.97E-06	1.16E-05	6.66E-07	5.96E-06	1.11E-05	6.56E-07	5.93E-06	1.09E-05	6.13E-07	5.46E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,435	6.92E-07	5.97E-06	1.16E-05	6.65E-07	5.96E-06	1.11E-05	6.56E-07	5.93E-06	1.09E-05	6.12E-07	5.46E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,436	6.92E-07	5.97E-06	1.16E-05	6.65E-07	5.95E-06	1.11E-05	6.56E-07	5.93E-06	1.09E-05	6.12E-07	5.46E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,437	6.92E-07	5.96E-06	1.15E-05	6.65E-07	5.95E-06	1.11E-05	6.55E-07	5.92E-06	1.09E-05	6.12E-07	5.45E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,438	6.92E-07	5.96E-06	1.15E-05	6.64E-07	5.95E-06	1.11E-05	6.55E-07	5.92E-06	1.09E-05	6.12E-07	5.45E-06	1.01E-05	6.02E-07	5.27E-06	1.00E-05
2,439	6.92E-07	5.95E-06	1.15E-05	6.64E-07	5.95E-06	1.11E-05	6.55E-07	5.92E-06	1.09E-05	6.12E-07	5.45E-06	1.01E-05	6.01E-07	5.27E-06	1.00E-05
2,440	6.92E-07	5.95E-06	1.15E-05	6.64E-07	5.95E-06	1.11E-05	6.55E-07	5.92E-06	1.09E-05	6.11E-07	5.45E-06	1.01E-05	6.01E-07	5.26E-06	1.00E-05
2,441	6.91E-07	5.95E-06	1.15E-05	6.63E-07	5.95E-06	1.11E-05	6.55E-07	5.92E-06	1.09E-05	6.11E-07	5.45E-06	1.01E-05	6.01E-07	5.26E-06	1.00E-05
2,442	6.91E-07	5.95E-06	1.15E-05	6.62E-07	5.94E-06	1.11E-05	6.55E-07	5.91E-06	1.09E-05	6.11E-07	5.44E-06	1.01E-05	6.01E-07	5.26E-06	9.99E-06
2,443	6.91E-07	5.95E-06	1.15E-05	6.62E-07	5.94E-06	1.11E-05	6.55E-07	5.91E-06	1.09E-05	6.11E-07	5.43E-06	1.01E-05	6.00E-07	5.26E-06	9.99E-06
2,444	6.90E-07	5.95E-06	1.15E-05	6.61E-07	5.94E-06	1.11E-05	6.55E-07	5.91E-06	1.09E-05	6.11E-07	5.43E-06	1.01E-05	6.00E-07	5.25E-06	9.98E-06
2,445	6.90E-07	5.95E-06	1.15E-05	6.61E-07	5.94E-06	1.11E-05	6.54E-07	5.91E-06	1.09E-05	6.10E-07	5.43E-06	1.01E-05	6.00E-07	5.25E-06	9.97E-06
2,446	6.90E-07	5.94E-06	1.15E-05	6.61E-07	5.93E-06	1.11E-05	6.54E-07	5.90E-06	1.09E-05	6.10E-07	5.43E-06	1.01E-05	5.99E-07	5.25E-06	9.97E-06
2,447	6.90E-07	5.94E-06	1.15E-05	6.60E-07	5.93E-06	1.11E-05	6.54E-07	5.90E-06	1.09E-05	6.10E-07	5.43E-06	1.01E-05	5.99E-07	5.24E-06	9.96E-06
2,448	6.90E-07	5.94E-06	1.15E-05	6.60E-07	5.93E-06	1.11E-05	6.54E-07	5.90E-06	1.09E-05	6.10E-07	5.42E-06	1.00E-05	5.99E-07	5.24E-06	9.96E-06
2,449	6.89E-07	5.94E-06	1.15E-05	6.60E-07	5.93E-06	1.11E-05	6.53E-07	5.90E-06	1.09E-05	6.09E-07	5.42E-06	1.00E-05	5.99E-07	5.24E-06	9.96E-06
2,450	6.89E-07	5.94E-06	1.15E-05	6.60E-07	5.93E-06	1.11E-05	6.53E-07	5.89E-06	1.09E-05	6.09E-07	5.42E-06	1.00E-05	5.99E-07	5.24E-06	9.96E-06
2,451	6.89E-07	5.94E-06	1.15E-05	6.60E-07	5.92E-06	1.11E-05	6.53E-07	5.89E-06	1.09E-05	6.09E-07	5.42E-06	1.00E-05	5.99E-07	5.24E-06	9.96E-06
2,452	6.89E-07	5.94E-06	1.15E-05	6.59E-07	5.92E-06	1.11E-05	6.53E-07	5.89E-06	1.09E-05	6.09E-07	5.42E-06	1.00E-05	5.99E-07	5.24E-06	9.96E-06
2,453	6.89E-07	5.94E-06	1.15E-05	6.59E-07	5.92E-06	1.11E-05	6.52E-07	5.89E-06	1.09E-05	6.09E-07	5.42E-06	1.00E-05	5.98E-07	5.24E-06	9.95E-06
2,454	6.89E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,458	6.87E-07	5.94E-06	1.15E-05	6.58E-07	5.91E-06	1.10E-05	6.51E-07	5.89E-06	1.08E-05	6.09E-07	5.41E-06	1.00E-05	5.98E-07	5.22E-06	9.94E-06
2,459	6.87E-07	5.93E-06	1.15E-05	6.57E-07	5.91E-06	1.10E-05	6.51E-07	5.89E-06	1.08E-05	6.08E-07	5.41E-06	1.00E-05	5.97E-07	5.22E-06	9.93E-06
2,460	6.87E-07	5.93E-06	1.15E-05	6.57E-07	5.91E-06	1.10E-05	6.51E-07	5.89E-06	1.08E-05	6.08E-07	5.40E-06	1.00E-05	5.97E-07	5.22E-06	9.93E-06
2,461	6.86E-07	5.93E-06	1.15E-05	6.57E-07	5.90E-06	1.10E-05	6.51E-07	5.87E-06	1.08E-05	6.08E-07	5.40E-06	1.00E-05	5.97E-07	5.22E-06	9.93E-06
2,462	6.86E-07	5.92E-06	1.14E-05	6.57E-07	5.90E-06	1.10E-05	6.51E-07	5.87E-06	1.08E-05	6.08E-07	5.40E-06	1.00E-05	5.97E-07	5.22E-06	9.93E-06
2,463	6.86E-07	5.92E-06	1.14E-05	6.57E-07	5.89E-06	1.10E-05	6.51E-07	5.87E-06	1.08E-05	6.08E-07	5.40E-06	9.99E-06	5.97E-07	5.22E-06	9.93E-06
2,464	6.86E-07	5.92E-06	1.14E-05	6.57E-07	5.89E-06	1.10E-05	6.50E-07	5.87E-06	1.08E-05	6.08E-07	5.39E-06	9.99E-06	5.97E-07	5.21E-06	9.92E-06
2,465	6.85E-07	5.92E-06	1.14E-05	6.56E-07	5.89E-06	1.10E-05	6.49E-07	5.87E-06	1.08E-05	6.08E-07	5.39E-06	9.97E-06	5.97E-07	5.21E-06	9.92E-06
2,466	6.85E-07	5.92E-06	1.14E-05	6.56E-07	5.89E-06	1.10E-05	6.49E-07	5.87E-06	1.08E-05	6.07E-07	5.39E-06	9.97E-06	5.97E-07	5.21E-06	9.91E-06
2,467	6.85E-07	5.92E-06	1.14E-05	6.56E-07	5.89E-06	1.10E-05	6.49E-07	5.86E-06	1.08E-05	6.07E-07	5.39E-06	9.97E-06	5.95E-07	5.20E-06	9.91E-06
2,468	6.85E-07	5.92E-06	1.14E-05	6.56E-07	5.88E-06	1.10E-05	6.49E-07	5.86E-06	1.08E-05	6.07E-07	5.39E-06	9.97E-06	5.95E-07	5.20E-06	9.91E-06
2,469	6.85E-07	5.92E-06	1.14E-05	6.56E-07	5.88E-06	1.10E-05	6.49E-07	5.86E-06	1.08E-05	6.07E-07	5.38E-06	9.97E-06	5.95E-07	5.20E-06	9.90E-06
2,470	6.85E-07	5.91E-06	1.14E-05	6.56E-07	5.88E-06	1.10E-05	6.49E-07	5.85E-06	1.08E-05	6.07E-07	5.38E-06	9.96E-06	5.95E-07	5.20E-06	9.89E-06
2,471	6.84E-07	5.91E-06	1.14E-05	6.56E-07	5.87E-06	1.10E-05	6.48E-07	5.85E-06	1.08E-05	6.07E-07	5.38E-06	9.96E-06	5.95E-07	5.19E-06	9.89E-06
2,472	6.84E-07	5.91E-06	1.14E-05	6.56E-07	5.86E-06	1.10E-05	6.48E-07	5.85E-06	1.08E-05	6.07E-07	5.38E-06	9.96E-06	5.95E-07	5.19E-06	9.89E-06
2,473	6.84E-07	5.91E-06	1.14E-05	6.56E-07	5.86E-06	1.10E-05	6.48E-07	5.85E-06	1.08E-05	6.07E-07	5.38E-06	9.95E-06	5.95E-07	5.19E-06	9.88E-06
2,474	6.84E-07	5.91E-06	1.14E-05	6.55E-07	5.86E-06	1.10E-05	6.48E-07	5.85E-06	1.08E-05	6.07E-07	5.37E-06	9.95E-06	5.95E-07	5.19E-06	9.87E-06
2,475	6.84E-07	5.90E-06	1.14E-05	6.55E-07	5.86E-06	1.10E-05	6.48E-07	5.84E-06	1.08E-05	6.07E-07	5.37E-06	9.95E-06	5.94E-07	5.19E-06	9.87E-06
2,476	6.84E-07	5.90E-06	1.14E-05	6.55E-07	5.86E-06	1.10E-05	6.48E-07	5.84E-06	1.08E-05	6.06E-07	5.37E-06	9.93E-06	5.94E-07	5.19E-06	9.87E-06
2,477	6.84E-07	5.90E-06	1.14E-05	6.55E-07	5.85E-06	1.10E-05	6.47E-07	5.84E-06	1.08E-05	6.06E-07	5.37E-06	9.93E-06	5.94E-07	5.19E-06	9.87E-06
2,478	6.83E-07	5.90E-06	1.14E-05	6.55E-07	5.85E-06	1.10E-05	6.47E-07	5.84E-06	1.08E-05	6.06E-07	5.37E-06	9.93E-06	5.94E-07	5.19E-06	9.85E-06
2,479	6.83E-07	5.89E-06	1.14E-05	6.55E-07	5.84E-06	1.10E-05	6.46E-07	5.83E-06	1.08E-05	6.06E-07	5.37E-06	9.92E-06	5.94E-07	5.19E-06	9.85E-06
2,480	6.83E-07	5.89E-06	1.14E-05	6.54E-07	5.84E-06	1.10E-05	6.46E-07	5.83E-06	1.08E-05	6.06E-07	5.37E-06	9.92E-06	5.94E-07	5.18E-06	9.84E-06
2,481	6.83E-07	5.89E-06	1.14E-05	6.54E-07	5.84E-06	1.10E-05	6.46E-07	5.83E-06	1.08E-05	6.06E-07	5.36E-06	9.91E-06	5.94E-07	5.18E-06	9.83E-06
2,482	6.82E-07	5.89E-06	1.14E-05	6.54E-07	5.84E-06	1.10E-05	6.46E-07	5.83E-06	1.07E-05	6.05E-07	5.36E-06	9.91E-06	5.94E-07	5.18E-06	9.83E-06
2,483	6.82E-07	5.88E-06	1.14E-05	6.54E-07	5.84E-06	1.10E-05	6.45E-07	5.83E-06	1.07E-05	6.05E-07	5.36E-06	9.90E-06	5.94E-07	5.17E-06	9.83E-06
2,484	6.82E-07	5.88E-06	1.14E-05	6.53E-07	5.84E-06	1.10E-05	6.45E-07	5.83E-06	1.07E-05	6.05E-07	5.36E-06	9.89E-06	5.94E-07	5.17E-06	9.83E-06
2,485	6.82E-07	5.88E-06	1.14E-05	6.53E-07	5.83E-06	1.10E-05	6.45E-07	5.82E-06	1.07E-05	6.05E-07	5.35E-06	9.89E-06	5.93E-07	5.17E-06	9.82E-06
2,486	6.82E-07	5.87E-06	1.14E-05	6.53E-07	5.83E-06	1.10E-05	6.45E-07	5.82E-06	1.07E-05	6.05E-07	5.35E-06	9.89E-06	5.93E-07	5.16E-06	9.82E-06
2,487	6.81E-07	5.87E-06	1.13E-05	6.53E-07	5.83E-06	1.10E-05	6.45E-07	5.82E-06	1.07E-05	6.04E-07	5.35E-06	9.89E-06	5.93E-07	5.16E-06	9.81E-06
2,488	6.81E-07	5.87E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.45E-07	5.81E-06	1.07E-05	6.04E-07	5.35E-06	9.88E-06	5.93E-07	5.16E-06	9.81E-06
2,489	6.81E-07	5.86E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.44E-07	5.81E-06	1.07E-05	6.03E-07	5.35E-06	9.87E-06	5.93E-07	5.16E-06	9.81E-06
2,490	6.81E-07	5.86E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.44E-07	5.80E-06	1.07E-05	6.03E-07	5.34E-06	9.87E-06	5.92E-07	5.16E-06	9.80E-06
2,491	6.80E-07	5.86E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.44E-07	5.80E-06	1.07E-05	6.03E-07	5.34E-06	9.87E-06	5.92E-07	5.15E-06	9.80E-06
2,492	6.80E-07	5.86E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.03E-07	5.34E-06	9.86E-06	5.92E-07	5.15E-06	9.80E-06
2,493	6.80E-07	5.86E-06	1.13E-05	6.52E-07	5.82E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.03E-07	5.34E-06	9.86E-06	5.92E-07	5.15E-06	9.80E-06
2,494	6.80E-07	5.85E-06	1.13E-05	6.51E-07	5.82E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.03E-07	5.34E-06	9.86E-06	5.92E-07	5.15E-06	9.79E-06
2,495	6.80E-07	5.85E-06	1.13E-05	6.51E-07	5.82E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.02E-07	5.34E-06	9.86E-06	5.92E-07	5.15E-06	9.79E-06
2,496	6.80E-07	5.85E-06	1.13E-05	6.51E-07	5.81E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.02E-07	5.33E-06	9.86E-06	5.92E-07	5.15E-06	9.79E-06
2,497	6.80E-07	5.85E-06	1.13E-05	6.51E-07	5.81E-06	1.09E-05	6.43E-07	5.80E-06	1.07E-05	6.02E-07	5.33E-06	9.85E-06	5.91E-07	5.15E-06	9.79E-06
2,498	6.80E-07	5.85E-06	1.13E-05	6.50E-07	5.81E-06	1.09E-05	6.43E-07	5.79E-06	1.07E-05	6.02E-07	5.33E-06	9.85E-06	5.91E-07	5.15E-06	9.78E-06
2,499	6.80E-07	5.84E-06	1.13E-05	6.50E-07	5.81E-06	1.09E-05	6.43E-07	5.79E-06	1.07E-05	6.01E-07	5.33E-06	9.85E-06	5.91E-07	5.14E-06	9.78E-06
2,500	6.79E-07	5.84E-06	1.13E-05	6.50E-07	5.81E-06	1.09E-05	6.42E-07	5.78E-06	1.07E-05	6.01E-07	5.33E-06	9.85E-06	5.91E-07	5.14E-06	9.77E-06
2,501	6.79E-07	5.84E-06	1.13E-05	6.49E-07	5.81E-06	1.09E-05	6.41E-07	5.78E-06	1.07E-05	6.01E-07	5.33E-06	9.84E-06	5.91E-07	5.14E-06	9.77E-06
2,502	6.78E-07	5.84E-06	1.13E-05	6.49E-07	5.80E-06	1.09E-05	6.41E-07	5.78E-06	1.07E-05	6.01E-07	5.32E-06	9.84E-06	5.90E-07	5.14E-06	9.76E-06
2,503	6.78E-07	5.83E-06	1.13E-05	6.49E-07	5.80E-06	1.09E-05	6.41E-07	5.78E-06	1.07E-05	6.01E-07	5.32E-06	9.84E-06	5.90E-07	5.14E-06	9.76E-06
2,504	6.77E-07	5.83E-06	1.13E-05	6.48E-07	5.80E-06	1.09E-05	6.41E-07	5.78E-06	1.07E-05	6.01E-07	5.32E-06	9.84E-06	5.90E-07	5.14E-06	9.76E-06
2,505	6.77E-07	5.83E-06	1.13E-05	6.48E-07	5.79E-06	1.09E-05	6.41E-07	5.77E-06	1.06E-05	6.01E-07	5.32E-06	9.84E-06	5.90E-07	5.13E-06	9.74E-06
2,506	6.76E-07	5.83E-06	1.13E-05	6.48E-07	5.79E-06	1.09E-05	6.41E-07	5.77E-06	1.06E-05	6.00E-07	5.32E-06	9.83E-06	5.90E-07	5.13E-06	9.74E-06
2,507	6.76E-07	5.82E-06	1.12E-05	6.47E-07	5.79E-06	1.09E-05	6.41E-07	5.77E-06	1.06E-05	6.00E-07	5.32E-06	9.83E-06	5.89E-07	5.13E-06	9.74E-06
2,508	6.75E-07	5.82E-06	1.12E-05	6.47E-07	5.79E-06	1.09E-05	6.40E-07	5.77E-06	1.06E-05	6.00E-07	5.32E-06	9.82E-06	5.89E-07	5.13E-06	9.74E-06
2,509	6.75E-07	5.82E-06	1.12E-05	6.47E-07	5.79E-06	1.09E-05	6.40E-07	5.76E-06	1.06E-05	6.00E-07	5.31E-06	9.82E-06	5.89E-07	5.13E-06	9.73E-06
2,510	6.75E-07	5.82E-06	1.12E-05	6.47E-07	5.79E-06	1.09E-05	6.40E-07	5.76E-06	1.06E-05	5.99E-07	5.31E-06	9.82E-06	5.89E-07	5.12E-06	9.73E-06
2,511	6.75E-07	5.82E-06	1.12E-05	6.47E-07	5.78E-06	1.09E-05	6.39E-07	5.76E-06	1.06E-05	5.99E-07	5.31E-06	9.82E-06	5.89E-07	5.12E-06	9.73E-06
2,512	6.75E-07	5.82E-06	1.12E-05	6.47E-07	5.78E-06	1.08E-05	6.39E-07	5.75E-06	1.06E-05	5.99E-07	5.31E-06	9.82E-06	5.89E-07	5.12E-06	9.73E-06
2,513	6.75E-07	5.81E-06	1.12E-05	6.47E-07	5.78E-06	1.08E-05	6.39E-07	5.75E-06	1.06E-05	5.99E-07	5.31E-06	9.81E-06	5.89E-07	5.12E-06	9.73E-06
2,514	6.75E-07	5.81E-06	1.12E-05	6.47E-07	5.78E-06	1.08E-05	6.39E-07	5.75E-06	1.06E-05	5.98E-07	5.31E-06	9.80E-06	5.89E-07	5.12E-06	9.73E-06
2,515	6.74E-07	5.81E-06	1.12E-05	6.47E-07	5.78E-06	1.08E-05	6.39E-07	5.75E-06	1.06E-05	5.98E-07	5.31E-06	9.80E-06	5.88E-07	5.11E-06	9.73E-06
2,516	6.74E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,520	6.74E-07	5.80E-06	1.12E-05	6.45E-07	5.76E-06	1.08E-05	6.38E-07	5.74E-06	1.06E-05	5.98E-07	5.30E-06	9.79E-06	5.88E-07	5.11E-06	9.71E-06
2,521	6.74E-07	5.80E-06	1.12E-05	6.45E-07	5.76E-06	1.08E-05	6.38E-07	5.74E-06	1.06E-05	5.98E-07	5.30E-06	9.79E-06	5.87E-07	5.11E-06	9.71E-06
2,522	6.74E-07	5.80E-06	1.12E-05	6.45E-07	5.76E-06	1.08E-05	6.38E-07	5.73E-06	1.06E-05	5.97E-07	5.30E-06	9.79E-06	5.87E-07	5.10E-06	9.71E-06
2,523	6.73E-07	5.80E-06	1.12E-05	6.45E-07	5.76E-06	1.08E-05	6.38E-07	5.73E-06	1.06E-05	5.97E-07	5.29E-06	9.78E-06	5.87E-07	5.10E-06	9.70E-06
2,524	6.73E-07	5.80E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.38E-07	5.72E-06	1.06E-05	5.97E-07	5.29E-06	9.78E-06	5.87E-07	5.10E-06	9.69E-06
2,525	6.73E-07	5.80E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.38E-07	5.72E-06	1.06E-05	5.97E-07	5.29E-06	9.77E-06	5.87E-07	5.10E-06	9.69E-06
2,526	6.73E-07	5.79E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.37E-07	5.72E-06	1.06E-05	5.97E-07	5.29E-06	9.76E-06	5.86E-07	5.09E-06	9.69E-06
2,527	6.72E-07	5.79E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.37E-07	5.71E-06	1.06E-05	5.97E-07	5.29E-06	9.75E-06	5.86E-07	5.09E-06	9.68E-06
2,528	6.72E-07	5.79E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.37E-07	5.71E-06	1.05E-05	5.97E-07	5.28E-06	9.75E-06	5.85E-07	5.09E-06	9.68E-06
2,529	6.71E-07	5.79E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.37E-07	5.71E-06	1.05E-05	5.97E-07	5.28E-06	9.74E-06	5.85E-07	5.09E-06	9.67E-06
2,530	6.71E-07	5.79E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.97E-07	5.28E-06	9.74E-06	5.85E-07	5.09E-06	9.67E-06
2,531	6.71E-07	5.78E-06	1.12E-05	6.44E-07	5.75E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.97E-07	5.28E-06	9.74E-06	5.85E-07	5.09E-06	9.66E-06
2,532	6.71E-07	5.78E-06	1.12E-05	6.44E-07	5.74E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.96E-07	5.28E-06	9.74E-06	5.84E-07	5.09E-06	9.66E-06
2,533	6.70E-07	5.78E-06	1.12E-05	6.43E-07	5.74E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.96E-07	5.28E-06	9.74E-06	5.84E-07	5.08E-06	9.66E-06
2,534	6.70E-07	5.78E-06	1.12E-05	6.43E-07	5.74E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.96E-07	5.28E-06	9.74E-06	5.84E-07	5.08E-06	9.66E-06
2,535	6.70E-07	5.78E-06	1.12E-05	6.43E-07	5.74E-06	1.08E-05	6.36E-07	5.71E-06	1.05E-05	5.96E-07	5.28E-06	9.73E-06	5.84E-07	5.08E-06	9.65E-06
2,536	6.69E-07	5.78E-06	1.12E-05	6.43E-07	5.74E-06	1.08E-05	6.36E-07	5.70E-06	1.05E-05	5.96E-07	5.28E-06	9.73E-06	5.83E-07	5.08E-06	9.65E-06
2,537	6.69E-07	5.78E-06	1.12E-05	6.42E-07	5.74E-06	1.07E-05	6.35E-07	5.70E-06	1.05E-05	5.96E-07	5.27E-06	9.72E-06	5.83E-07	5.08E-06	9.65E-06
2,538	6.69E-07	5.77E-06	1.12E-05	6.42E-07	5.74E-06	1.07E-05	6.35E-07	5.70E-06	1.05E-05	5.96E-07	5.27E-06	9.72E-06	5.83E-07	5.07E-06	9.64E-06
2,539	6.68E-07	5.77E-06	1.12E-05	6.42E-07	5.74E-06	1.07E-05	6.35E-07	5.70E-06	1.05E-05	5.95E-07	5.27E-06	9.72E-06	5.82E-07	5.07E-06	9.64E-06
2,540	6.68E-07	5.77E-06	1.12E-05	6.42E-07	5.74E-06	1.07E-05	6.35E-07	5.69E-06	1.05E-05	5.95E-07	5.27E-06	9.72E-06	5.82E-07	5.07E-06	9.64E-06
2,541	6.68E-07	5.77E-06	1.12E-05	6.42E-07	5.73E-06	1.07E-05	6.35E-07	5.69E-06	1.05E-05	5.95E-07	5.27E-06	9.71E-06	5.81E-07	5.07E-06	9.63E-06
2,542	6.67E-07	5.77E-06	1.12E-05	6.42E-07	5.73E-06	1.07E-05	6.34E-07	5.69E-06	1.05E-05	5.95E-07	5.26E-06	9.70E-06	5.81E-07	5.07E-06	9.62E-06
2,543	6.67E-07	5.77E-06	1.12E-05	6.42E-07	5.73E-06	1.07E-05	6.34E-07	5.69E-06	1.05E-05	5.95E-07	5.26E-06	9.70E-06	5.81E-07	5.07E-06	9.62E-06
2,544	6.67E-07	5.76E-06	1.12E-05	6.41E-07	5.72E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.95E-07	5.26E-06	9.70E-06	5.80E-07	5.07E-06	9.62E-06
2,545	6.67E-07	5.76E-06	1.12E-05	6.41E-07	5.72E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.94E-07	5.26E-06	9.70E-06	5.80E-07	5.06E-06	9.62E-06
2,546	6.67E-07	5.76E-06	1.12E-05	6.41E-07	5.72E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.94E-07	5.26E-06	9.70E-06	5.80E-07	5.06E-06	9.61E-06
2,547	6.66E-07	5.76E-06	1.12E-05	6.41E-07	5.72E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.93E-07	5.26E-06	9.70E-06	5.80E-07	5.06E-06	9.61E-06
2,548	6.65E-07	5.76E-06	1.11E-05	6.41E-07	5.71E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.93E-07	5.25E-06	9.69E-06	5.80E-07	5.06E-06	9.61E-06
2,549	6.65E-07	5.76E-06	1.11E-05	6.41E-07	5.71E-06	1.07E-05	6.33E-07	5.68E-06	1.05E-05	5.93E-07	5.25E-06	9.69E-06	5.79E-07	5.06E-06	9.60E-06
2,550	6.65E-07	5.76E-06	1.11E-05	6.41E-07	5.71E-06	1.07E-05	6.33E-07	5.67E-06	1.05E-05	5.93E-07	5.25E-06	9.69E-06	5.79E-07	5.06E-06	9.60E-06
2,551	6.65E-07	5.76E-06	1.11E-05	6.41E-07	5.70E-06	1.07E-05	6.32E-07	5.67E-06	1.05E-05	5.92E-07	5.25E-06	9.69E-06	5.79E-07	5.05E-06	9.60E-06
2,552	6.64E-07	5.75E-06	1.11E-05	6.41E-07	5.70E-06	1.07E-05	6.32E-07	5.67E-06	1.05E-05	5.92E-07	5.24E-06	9.69E-06	5.79E-07	5.05E-06	9.60E-06
2,553	6.64E-07	5.75E-06	1.11E-05	6.40E-07	5.70E-06	1.07E-05	6.32E-07	5.66E-06	1.05E-05	5.91E-07	5.24E-06	9.69E-06	5.79E-07	5.05E-06	9.59E-06
2,554	6.64E-07	5.75E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.31E-07	5.66E-06	1.05E-05	5.91E-07	5.24E-06	9.69E-06	5.79E-07	5.05E-06	9.59E-06
2,555	6.63E-07	5.75E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.31E-07	5.66E-06	1.05E-05	5.91E-07	5.24E-06	9.68E-06	5.79E-07	5.05E-06	9.58E-06
2,556	6.63E-07	5.74E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.31E-07	5.66E-06	1.05E-05	5.91E-07	5.23E-06	9.68E-06	5.79E-07	5.04E-06	9.58E-06
2,557	6.63E-07	5.73E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.31E-07	5.66E-06	1.05E-05	5.90E-07	5.23E-06	9.68E-06	5.78E-07	5.04E-06	9.58E-06
2,558	6.63E-07	5.73E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.30E-07	5.66E-06	1.05E-05	5.90E-07	5.23E-06	9.68E-06	5.78E-07	5.04E-06	9.58E-06
2,559	6.63E-07	5.73E-06	1.11E-05	6.40E-07	5.69E-06	1.07E-05	6.29E-07	5.66E-06	1.05E-05	5.90E-07	5.23E-06	9.68E-06	5.78E-07	5.04E-06	9.58E-06
2,560	6.63E-07	5.73E-06	1.11E-05	6.39E-07	5.69E-06	1.07E-05	6.29E-07	5.66E-06	1.05E-05	5.90E-07	5.23E-06	9.68E-06	5.78E-07	5.04E-06	9.58E-06
2,561	6.63E-07	5.73E-06	1.11E-05	6.39E-07	5.69E-06	1.07E-05	6.29E-07	5.66E-06	1.05E-05	5.90E-07	5.22E-06	9.68E-06	5.78E-07	5.04E-06	9.57E-06
2,562	6.63E-07	5.73E-06	1.11E-05	6.39E-07	5.69E-06	1.06E-05	6.28E-07	5.66E-06	1.05E-05	5.90E-07	5.22E-06	9.68E-06	5.78E-07	5.03E-06	9.57E-06
2,563	6.63E-07	5.72E-06	1.11E-05	6.39E-07	5.69E-06	1.06E-05	6.28E-07	5.66E-06	1.04E-05	5.90E-07	5.22E-06	9.68E-06	5.77E-07	5.03E-06	9.56E-06
2,564	6.62E-07	5.72E-06	1.11E-05	6.39E-07	5.69E-06	1.06E-05	6.28E-07	5.66E-06	1.04E-05	5.90E-07	5.22E-06	9.67E-06	5.77E-07	5.03E-06	9.56E-06
2,565	6.62E-07	5.72E-06	1.11E-05	6.39E-07	5.69E-06	1.06E-05	6.28E-07	5.65E-06	1.04E-05	5.89E-07	5.21E-06	9.67E-06	5.77E-07	5.03E-06	9.55E-06
2,566	6.62E-07	5.72E-06	1.11E-05	6.38E-07	5.69E-06	1.06E-05	6.27E-07	5.65E-06	1.04E-05	5.88E-07	5.21E-06	9.67E-06	5.77E-07	5.03E-06	9.55E-06
2,567	6.61E-07	5.72E-06	1.11E-05	6.38E-07	5.68E-06	1.06E-05	6.26E-07	5.65E-06	1.04E-05	5.88E-07	5.21E-06	9.67E-06	5.77E-07	5.03E-06	9.54E-06
2,568	6.61E-07	5.72E-06	1.10E-05	6.38E-07	5.68E-06	1.06E-05	6.26E-07	5.65E-06	1.04E-05	5.88E-07	5.21E-06	9.67E-06	5.77E-07	5.02E-06	9.54E-06
2,569	6.61E-07	5.71E-06	1.10E-05	6.38E-07	5.67E-06	1.06E-05	6.25E-07	5.64E-06	1.04E-05	5.88E-07	5.21E-06	9.66E-06	5.76E-07	5.02E-06	9.54E-06
2,570	6.61E-07	5.71E-06	1.10E-05	6.38E-07	5.66E-06	1.06E-05	6.25E-07	5.64E-06	1.04E-05	5.88E-07	5.21E-06	9.66E-06	5.76E-07	5.02E-06	9.54E-06
2,571	6.60E-07	5.71E-06	1.10E-05	6.37E-07	5.66E-06	1.06E-05	6.25E-07	5.64E-06	1.04E-05	5.88E-07	5.20E-06	9.66E-06	5.76E-07	5.02E-06	9.54E-06
2,572	6.60E-07	5.71E-06	1.10E-05	6.37E-07	5.66E-06	1.06E-05	6.25E-07	5.64E-06	1.04E-05	5.88E-07	5.20E-06	9.66E-06	5.75E-07	5.02E-06	9.54E-06
2,573	6.60E-07	5.71E-06	1.10E-05	6.37E-07	5.66E-06	1.06E-05	6.25E-07	5.64E-06	1.04E-05	5.88E-07	5.20E-06	9.66E-06	5.75E-07	5.01E-06	9.53E-06
2,574	6.60E-07	5.71E-06	1.10E-05	6.37E-07	5.65E-06	1.06E-05	6.24E-07	5.64E-06	1.04E-05	5.87E-07	5.20E-06	9.66E-06	5.75E-07	5.01E-06	9.53E-06
2,575	6.60E-07	5.70E-06	1.10E-05	6.37E-07	5.65E-06	1.06E-05	6.24E-07	5.63E-06	1.04E-05	5.87E-07	5.20E-06	9.66E-06	5.75E-07	5.01E-06	9.53E-06
2,576	6.59E-07	5.70E-06	1.10E-05	6.37E-07	5.65E-06	1.06E-05	6.24E-07	5.63E-06	1.04E-05	5.87E-07	5.19E-06	9.66E-06	5.74E-07	5.01E-06	9.52E-06
2,577	6.59E-07	5.70E-06	1.10E-05	6.36E-07	5.65E-06	1.06E-05	6.24E-07	5.63E-06	1.04E-05	5.87E-07	5.19E-06	9.65E-06	5.74E-07	5.01E-06	9.52E-06
2,578	6.59E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,582	6.58E-07	5.69E-06	1.10E-05	6.35E-07	5.65E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.86E-07	5.17E-06	9.64E-06	5.73E-07	5.00E-06	9.50E-06
2,583	6.58E-07	5.68E-06	1.10E-05	6.35E-07	5.64E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.85E-07	5.17E-06	9.63E-06	5.73E-07	5.00E-06	9.50E-06
2,584	6.58E-07	5.68E-06	1.10E-05	6.35E-07	5.64E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.85E-07	5.17E-06	9.63E-06	5.72E-07	4.99E-06	9.49E-06
2,585	6.57E-07	5.68E-06	1.10E-05	6.35E-07	5.64E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.85E-07	5.17E-06	9.63E-06	5.72E-07	4.99E-06	9.49E-06
2,586	6.57E-07	5.68E-06	1.10E-05	6.35E-07	5.64E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.85E-07	5.17E-06	9.62E-06	5.72E-07	4.99E-06	9.49E-06
2,587	6.57E-07	5.68E-06	1.10E-05	6.34E-07	5.63E-06	1.06E-05	6.22E-07	5.62E-06	1.04E-05	5.84E-07	5.17E-06	9.62E-06	5.72E-07	4.98E-06	9.49E-06
2,588	6.57E-07	5.67E-06	1.10E-05	6.33E-07	5.63E-06	1.06E-05	6.21E-07	5.62E-06	1.04E-05	5.84E-07	5.16E-06	9.61E-06	5.72E-07	4.98E-06	9.49E-06
2,589	6.56E-07	5.67E-06	1.10E-05	6.33E-07	5.63E-06	1.06E-05	6.21E-07	5.61E-06	1.03E-05	5.84E-07	5.16E-06	9.60E-06	5.72E-07	4.98E-06	9.48E-06
2,590	6.56E-07	5.67E-06	1.10E-05	6.33E-07	5.63E-06	1.06E-05	6.21E-07	5.61E-06	1.03E-05	5.84E-07	5.16E-06	9.59E-06	5.71E-07	4.98E-06	9.48E-06
2,591	6.56E-07	5.66E-06	1.10E-05	6.33E-07	5.63E-06	1.06E-05	6.21E-07	5.61E-06	1.03E-05	5.84E-07	5.16E-06	9.59E-06	5.71E-07	4.98E-06	9.48E-06
2,592	6.56E-07	5.66E-06	1.10E-05	6.33E-07	5.62E-06	1.05E-05	6.21E-07	5.61E-06	1.03E-05	5.84E-07	5.16E-06	9.58E-06	5.71E-07	4.98E-06	9.47E-06
2,593	6.55E-07	5.66E-06	1.10E-05	6.33E-07	5.62E-06	1.05E-05	6.21E-07	5.60E-06	1.03E-05	5.84E-07	5.16E-06	9.57E-06	5.71E-07	4.98E-06	9.47E-06
2,594	6.55E-07	5.66E-06	1.10E-05	6.33E-07	5.62E-06	1.05E-05	6.20E-07	5.60E-06	1.03E-05	5.84E-07	5.16E-06	9.57E-06	5.71E-07	4.98E-06	9.46E-06
2,595	6.54E-07	5.66E-06	1.09E-05	6.33E-07	5.62E-06	1.05E-05	6.19E-07	5.60E-06	1.03E-05	5.83E-07	5.15E-06	9.55E-06	5.71E-07	4.97E-06	9.46E-06
2,596	6.54E-07	5.65E-06	1.09E-05	6.33E-07	5.62E-06	1.05E-05	6.19E-07	5.60E-06	1.03E-05	5.82E-07	5.15E-06	9.55E-06	5.71E-07	4.97E-06	9.45E-06
2,597	6.54E-07	5.65E-06	1.09E-05	6.33E-07	5.61E-06	1.05E-05	6.19E-07	5.60E-06	1.03E-05	5.82E-07	5.15E-06	9.55E-06	5.70E-07	4.97E-06	9.45E-06
2,598	6.54E-07	5.65E-06	1.09E-05	6.32E-07	5.61E-06	1.05E-05	6.18E-07	5.60E-06	1.03E-05	5.82E-07	5.15E-06	9.54E-06	5.70E-07	4.97E-06	9.45E-06
2,599	6.54E-07	5.64E-06	1.09E-05	6.32E-07	5.61E-06	1.05E-05	6.18E-07	5.59E-06	1.03E-05	5.82E-07	5.15E-06	9.53E-06	5.70E-07	4.97E-06	9.45E-06
2,600	6.53E-07	5.64E-06	1.09E-05	6.32E-07	5.61E-06	1.05E-05	6.18E-07	5.59E-06	1.03E-05	5.81E-07	5.15E-06	9.53E-06	5.70E-07	4.97E-06	9.45E-06
2,601	6.53E-07	5.64E-06	1.09E-05	6.32E-07	5.61E-06	1.05E-05	6.18E-07	5.59E-06	1.03E-05	5.81E-07	5.15E-06	9.53E-06	5.70E-07	4.97E-06	9.44E-06
2,602	6.52E-07	5.64E-06	1.09E-05	6.32E-07	5.60E-06	1.05E-05	6.18E-07	5.59E-06	1.03E-05	5.80E-07	5.15E-06	9.53E-06	5.70E-07	4.96E-06	9.44E-06
2,603	6.52E-07	5.64E-06	1.09E-05	6.31E-07	5.60E-06	1.05E-05	6.18E-07	5.58E-06	1.03E-05	5.80E-07	5.14E-06	9.52E-06	5.69E-07	4.96E-06	9.44E-06
2,604	6.52E-07	5.64E-06	1.09E-05	6.31E-07	5.60E-06	1.05E-05	6.17E-07	5.58E-06	1.03E-05	5.80E-07	5.14E-06	9.52E-06	5.69E-07	4.96E-06	9.43E-06
2,605	6.52E-07	5.63E-06	1.09E-05	6.31E-07	5.60E-06	1.05E-05	6.17E-07	5.58E-06	1.03E-05	5.80E-07	5.14E-06	9.51E-06	5.69E-07	4.96E-06	9.43E-06
2,606	6.51E-07	5.63E-06	1.09E-05	6.31E-07	5.59E-06	1.05E-05	6.17E-07	5.57E-06	1.03E-05	5.79E-07	5.14E-06	9.51E-06	5.69E-07	4.96E-06	9.43E-06
2,607	6.51E-07	5.63E-06	1.09E-05	6.30E-07	5.59E-06	1.05E-05	6.17E-07	5.57E-06	1.03E-05	5.79E-07	5.14E-06	9.51E-06	5.69E-07	4.95E-06	9.42E-06
2,608	6.51E-07	5.63E-06	1.09E-05	6.30E-07	5.59E-06	1.05E-05	6.17E-07	5.57E-06	1.03E-05	5.79E-07	5.14E-06	9.51E-06	5.69E-07	4.95E-06	9.41E-06
2,609	6.50E-07	5.63E-06	1.09E-05	6.30E-07	5.59E-06	1.05E-05	6.17E-07	5.57E-06	1.03E-05	5.79E-07	5.14E-06	9.51E-06	5.68E-07	4.95E-06	9.41E-06
2,610	6.50E-07	5.63E-06	1.09E-05	6.30E-07	5.59E-06	1.05E-05	6.16E-07	5.57E-06	1.03E-05	5.79E-07	5.14E-06	9.51E-06	5.68E-07	4.95E-06	9.41E-06
2,611	6.50E-07	5.63E-06	1.09E-05	6.30E-07	5.59E-06	1.05E-05	6.16E-07	5.57E-06	1.03E-05	5.79E-07	5.13E-06	9.50E-06	5.68E-07	4.95E-06	9.41E-06
2,612	6.50E-07	5.62E-06	1.09E-05	6.30E-07	5.58E-06	1.05E-05	6.16E-07	5.56E-06	1.03E-05	5.79E-07	5.13E-06	9.50E-06	5.68E-07	4.95E-06	9.41E-06
2,613	6.50E-07	5.62E-06	1.09E-05	6.29E-07	5.58E-06	1.05E-05	6.16E-07	5.56E-06	1.03E-05	5.79E-07	5.13E-06	9.50E-06	5.68E-07	4.95E-06	9.41E-06
2,614	6.49E-07	5.62E-06	1.09E-05	6.29E-07	5.58E-06	1.05E-05	6.16E-07	5.56E-06	1.03E-05	5.79E-07	5.13E-06	9.50E-06	5.67E-07	4.95E-06	9.41E-06
2,615	6.49E-07	5.62E-06	1.09E-05	6.29E-07	5.58E-06	1.05E-05	6.15E-07	5.56E-06	1.03E-05	5.79E-07	5.13E-06	9.50E-06	5.67E-07	4.95E-06	9.40E-06
2,616	6.49E-07	5.62E-06	1.09E-05	6.29E-07	5.57E-06	1.05E-05	6.15E-07	5.56E-06	1.02E-05	5.79E-07	5.12E-06	9.49E-06	5.67E-07	4.95E-06	9.39E-06
2,617	6.49E-07	5.62E-06	1.09E-05	6.29E-07	5.57E-06	1.05E-05	6.15E-07	5.56E-06	1.02E-05	5.78E-07	5.12E-06	9.49E-06	5.67E-07	4.94E-06	9.39E-06
2,618	6.49E-07	5.62E-06	1.09E-05	6.29E-07	5.57E-06	1.05E-05	6.15E-07	5.55E-06	1.02E-05	5.78E-07	5.12E-06	9.48E-06	5.67E-07	4.94E-06	9.39E-06
2,619	6.48E-07	5.62E-06	1.09E-05	6.28E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.78E-07	5.12E-06	9.48E-06	5.67E-07	4.94E-06	9.39E-06
2,620	6.48E-07	5.62E-06	1.08E-05	6.28E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.78E-07	5.11E-06	9.48E-06	5.67E-07	4.94E-06	9.38E-06
2,621	6.48E-07	5.61E-06	1.08E-05	6.28E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.78E-07	5.11E-06	9.47E-06	5.66E-07	4.94E-06	9.38E-06
2,622	6.48E-07	5.61E-06	1.08E-05	6.27E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.78E-07	5.11E-06	9.47E-06	5.66E-07	4.93E-06	9.37E-06
2,623	6.48E-07	5.61E-06	1.08E-05	6.27E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.77E-07	5.11E-06	9.47E-06	5.65E-07	4.93E-06	9.36E-06
2,624	6.47E-07	5.61E-06	1.08E-05	6.27E-07	5.57E-06	1.05E-05	6.14E-07	5.55E-06	1.02E-05	5.77E-07	5.11E-06	9.47E-06	5.65E-07	4.92E-06	9.36E-06
2,625	6.47E-07	5.61E-06	1.08E-05	6.26E-07	5.57E-06	1.05E-05	6.13E-07	5.55E-06	1.02E-05	5.77E-07	5.11E-06	9.47E-06	5.65E-07	4.92E-06	9.36E-06
2,626	6.47E-07	5.61E-06	1.08E-05	6.25E-07	5.56E-06	1.05E-05	6.13E-07	5.54E-06	1.02E-05	5.77E-07	5.10E-06	9.47E-06	5.64E-07	4.92E-06	9.36E-06
2,627	6.47E-07	5.61E-06	1.08E-05	6.25E-07	5.56E-06	1.05E-05	6.13E-07	5.54E-06	1.02E-05	5.77E-07	5.10E-06	9.47E-06	5.64E-07	4.91E-06	9.36E-06
2,628	6.46E-07	5.61E-06	1.08E-05	6.25E-07	5.56E-06	1.05E-05	6.12E-07	5.54E-06	1.02E-05	5.76E-07	5.10E-06	9.47E-06	5.64E-07	4.91E-06	9.36E-06
2,629	6.46E-07	5.60E-06	1.08E-05	6.24E-07	5.56E-06	1.05E-05	6.12E-07	5.54E-06	1.02E-05	5.76E-07	5.10E-06	9.47E-06	5.64E-07	4.91E-06	9.36E-06
2,630	6.46E-07	5.60E-06	1.08E-05	6.24E-07	5.56E-06	1.04E-05	6.12E-07	5.54E-06	1.02E-05	5.76E-07	5.09E-06	9.46E-06	5.64E-07	4.91E-06	9.36E-06
2,631	6.46E-07	5.60E-06	1.08E-05	6.24E-07	5.56E-06	1.04E-05	6.12E-07	5.54E-06	1.02E-05	5.76E-07	5.09E-06	9.46E-06	5.64E-07	4.91E-06	9.35E-06
2,632	6.46E-07	5.60E-06	1.08E-05	6.24E-07	5.55E-06	1.04E-05	6.12E-07	5.53E-06	1.02E-05	5.76E-07	5.09E-06	9.46E-06	5.64E-07	4.91E-06	9.35E-06
2,633	6.45E-07	5.59E-06	1.08E-05	6.24E-07	5.55E-06	1.04E-05	6.11E-07	5.53E-06	1.02E-05	5.76E-07	5.09E-06	9.46E-06	5.63E-07	4.91E-06	9.35E-06
2,634	6.45E-07	5.59E-06	1.08E-05	6.24E-07	5.55E-06	1.04E-05	6.11E-07	5.53E-06	1.02E-05	5.76E-07	5.08E-06	9.46E-06	5.63E-07	4.91E-06	9.35E-06
2,635	6.45E-07	5.59E-06	1.08E-05	6.23E-07	5.55E-06	1.04E-05	6.10E-07	5.53E-06	1.02E-05	5.76E-07	5.08E-06	9.45E-06	5.63E-07	4.90E-06	9.34E-06
2,636	6.45E-07	5.59E-06	1.08E-05	6.23E-07	5.55E-06	1.04E-05	6.10E-07	5.52E-06	1.02E-05	5.75E-07	5.08E-06	9.45E-06	5.63E-07	4.90E-06	9.34E-06
2,637	6.45E-07	5.59E-06	1.08E-05	6.22E-07	5.55E-06	1.04E-05	6.09E-07	5.52E-06	1.02E-05	5.75E-07	5.08E-06	9.45E-06	5.63E-07	4.90E-06	9.33E-06
2,638	6.45E-07	5.59E-06	1.08E-05	6.22E-07	5.54E-06	1.04E-05	6.09E-07	5.52E-06	1.02E-05	5.75E-07	5.08E-06	9.44E-06	5.63E-07	4.90E-06	9.33E-06
2,639	6.44E-07	5.58E-06	1.08E-05	6.22E-07	5.54E-06	1.04E-05	6.09E-07	5.52E-06	1.02E-05	5.75E-07	5.08E-06	9.44E-06	5.62E-07	4.89E-06	9.32E-06
2,640	6.44E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,644	6.43E-07	5.58E-06	1.08E-05	6.21E-07	5.53E-06	1.04E-05	6.08E-07	5.51E-06	1.01E-05	5.73E-07	5.07E-06	9.43E-06	5.62E-07	4.88E-06	9.29E-06
2,645	6.42E-07	5.57E-06	1.08E-05	6.20E-07	5.53E-06	1.04E-05	6.07E-07	5.51E-06	1.01E-05	5.73E-07	5.07E-06	9.43E-06	5.62E-07	4.88E-06	9.29E-06
2,646	6.42E-07	5.57E-06	1.07E-05	6.20E-07	5.53E-06	1.04E-05	6.07E-07	5.51E-06	1.01E-05	5.73E-07	5.06E-06	9.42E-06	5.62E-07	4.88E-06	9.29E-06
2,647	6.42E-07	5.57E-06	1.07E-05	6.20E-07	5.53E-06	1.04E-05	6.06E-07	5.51E-06	1.01E-05	5.73E-07	5.06E-06	9.42E-06	5.62E-07	4.88E-06	9.29E-06
2,648	6.41E-07	5.56E-06	1.07E-05	6.20E-07	5.53E-06	1.04E-05	6.06E-07	5.50E-06	1.01E-05	5.73E-07	5.06E-06	9.42E-06	5.62E-07	4.88E-06	9.28E-06
2,649	6.41E-07	5.56E-06	1.07E-05	6.20E-07	5.52E-06	1.04E-05	6.06E-07	5.50E-06	1.01E-05	5.73E-07	5.06E-06	9.41E-06	5.61E-07	4.88E-06	9.27E-06
2,650	6.41E-07	5.55E-06	1.07E-05	6.20E-07	5.52E-06	1.04E-05	6.06E-07	5.50E-06	1.01E-05	5.73E-07	5.06E-06	9.41E-06	5.61E-07	4.88E-06	9.27E-06
2,651	6.40E-07	5.55E-06	1.07E-05	6.19E-07	5.52E-06	1.04E-05	6.06E-07	5.50E-06	1.01E-05	5.72E-07	5.06E-06	9.41E-06	5.61E-07	4.87E-06	9.27E-06
2,652	6.40E-07	5.55E-06	1.07E-05	6.19E-07	5.52E-06	1.04E-05	6.06E-07	5.50E-06	1.01E-05	5.72E-07	5.06E-06	9.41E-06	5.61E-07	4.87E-06	9.26E-06
2,653	6.40E-07	5.55E-06	1.07E-05	6.19E-07	5.52E-06	1.04E-05	6.06E-07	5.49E-06	1.01E-05	5.71E-07	5.05E-06	9.41E-06	5.61E-07	4.87E-06	9.26E-06
2,654	6.40E-07	5.55E-06	1.07E-05	6.19E-07	5.51E-06	1.04E-05	6.06E-07	5.49E-06	1.01E-05	5.71E-07	5.05E-06	9.40E-06	5.61E-07	4.87E-06	9.26E-06
2,655	6.40E-07	5.55E-06	1.07E-05	6.18E-07	5.51E-06	1.04E-05	6.06E-07	5.49E-06	1.01E-05	5.71E-07	5.05E-06	9.40E-06	5.61E-07	4.86E-06	9.26E-06
2,656	6.40E-07	5.54E-06	1.07E-05	6.18E-07	5.51E-06	1.04E-05	6.05E-07	5.49E-06	1.01E-05	5.71E-07	5.05E-06	9.40E-06	5.61E-07	4.86E-06	9.26E-06
2,657	6.40E-07	5.54E-06	1.07E-05	6.18E-07	5.50E-06	1.04E-05	6.05E-07	5.49E-06	1.01E-05	5.71E-07	5.05E-06	9.39E-06	5.60E-07	4.86E-06	9.25E-06
2,658	6.39E-07	5.54E-06	1.07E-05	6.18E-07	5.50E-06	1.04E-05	6.05E-07	5.48E-06	1.01E-05	5.71E-07	5.05E-06	9.39E-06	5.60E-07	4.86E-06	9.25E-06
2,659	6.39E-07	5.53E-06	1.07E-05	6.18E-07	5.50E-06	1.04E-05	6.05E-07	5.48E-06	1.01E-05	5.71E-07	5.05E-06	9.39E-06	5.60E-07	4.86E-06	9.25E-06
2,660	6.38E-07	5.52E-06	1.07E-05	6.18E-07	5.50E-06	1.04E-05	6.05E-07	5.48E-06	1.01E-05	5.71E-07	5.05E-06	9.39E-06	5.60E-07	4.86E-06	9.25E-06
2,661	6.38E-07	5.52E-06	1.07E-05	6.18E-07	5.50E-06	1.04E-05	6.05E-07	5.48E-06	1.01E-05	5.71E-07	5.04E-06	9.38E-06	5.60E-07	4.86E-06	9.25E-06
2,662	6.38E-07	5.52E-06	1.07E-05	6.18E-07	5.49E-06	1.04E-05	6.04E-07	5.47E-06	1.01E-05	5.70E-07	5.04E-06	9.38E-06	5.60E-07	4.86E-06	9.24E-06
2,663	6.38E-07	5.51E-06	1.07E-05	6.17E-07	5.49E-06	1.04E-05	6.04E-07	5.47E-06	1.01E-05	5.70E-07	5.04E-06	9.38E-06	5.60E-07	4.86E-06	9.24E-06
2,664	6.38E-07	5.51E-06	1.07E-05	6.17E-07	5.49E-06	1.04E-05	6.04E-07	5.47E-06	1.01E-05	5.70E-07	5.04E-06	9.37E-06	5.60E-07	4.85E-06	9.24E-06
2,665	6.38E-07	5.51E-06	1.07E-05	6.17E-07	5.49E-06	1.04E-05	6.04E-07	5.47E-06	1.01E-05	5.70E-07	5.04E-06	9.37E-06	5.59E-07	4.85E-06	9.24E-06
2,666	6.38E-07	5.51E-06	1.07E-05	6.17E-07	5.49E-06	1.04E-05	6.04E-07	5.47E-06	1.01E-05	5.69E-07	5.04E-06	9.37E-06	5.59E-07	4.85E-06	9.23E-06
2,667	6.38E-07	5.51E-06	1.07E-05	6.16E-07	5.49E-06	1.04E-05	6.03E-07	5.47E-06	1.01E-05	5.69E-07	5.04E-06	9.36E-06	5.59E-07	4.85E-06	9.23E-06
2,668	6.38E-07	5.50E-06	1.07E-05	6.16E-07	5.49E-06	1.04E-05	6.03E-07	5.47E-06	1.00E-05	5.69E-07	5.04E-06	9.36E-06	5.59E-07	4.85E-06	9.23E-06
2,669	6.37E-07	5.50E-06	1.07E-05	6.16E-07	5.49E-06	1.04E-05	6.03E-07	5.47E-06	1.00E-05	5.69E-07	5.04E-06	9.36E-06	5.59E-07	4.85E-06	9.23E-06
2,670	6.37E-07	5.50E-06	1.07E-05	6.16E-07	5.49E-06	1.04E-05	6.03E-07	5.46E-06	1.00E-05	5.69E-07	5.04E-06	9.36E-06	5.59E-07	4.85E-06	9.23E-06
2,671	6.37E-07	5.50E-06	1.07E-05	6.16E-07	5.47E-06	1.04E-05	6.03E-07	5.46E-06	1.00E-05	5.69E-07	5.04E-06	9.36E-06	5.58E-07	4.85E-06	9.23E-06
2,672	6.37E-07	5.50E-06	1.07E-05	6.15E-07	5.47E-06	1.04E-05	6.03E-07	5.46E-06	1.00E-05	5.68E-07	5.03E-06	9.36E-06	5.58E-07	4.84E-06	9.22E-06
2,673	6.37E-07	5.50E-06	1.07E-05	6.15E-07	5.46E-06	1.04E-05	6.02E-07	5.46E-06	1.00E-05	5.68E-07	5.03E-06	9.36E-06	5.58E-07	4.84E-06	9.21E-06
2,674	6.37E-07	5.50E-06	1.07E-05	6.15E-07	5.46E-06	1.04E-05	6.02E-07	5.46E-06	1.00E-05	5.68E-07	5.03E-06	9.35E-06	5.58E-07	4.84E-06	9.20E-06
2,675	6.37E-07	5.49E-06	1.07E-05	6.14E-07	5.46E-06	1.03E-05	6.02E-07	5.45E-06	1.00E-05	5.68E-07	5.03E-06	9.35E-06	5.58E-07	4.84E-06	9.20E-06
2,676	6.36E-07	5.49E-06	1.07E-05	6.14E-07	5.46E-06	1.03E-05	6.02E-07	5.45E-06	1.00E-05	5.68E-07	5.03E-06	9.34E-06	5.58E-07	4.84E-06	9.20E-06
2,677	6.36E-07	5.49E-06	1.07E-05	6.14E-07	5.45E-06	1.03E-05	6.02E-07	5.45E-06	1.00E-05	5.68E-07	5.03E-06	9.34E-06	5.58E-07	4.84E-06	9.17E-06
2,678	6.35E-07	5.49E-06	1.07E-05	6.14E-07	5.45E-06	1.03E-05	6.02E-07	5.45E-06	1.00E-05	5.67E-07	5.03E-06	9.33E-06	5.58E-07	4.83E-06	9.16E-06
2,679	6.35E-07	5.49E-06	1.06E-05	6.13E-07	5.44E-06	1.03E-05	6.01E-07	5.44E-06	1.00E-05	5.67E-07	5.03E-06	9.33E-06	5.58E-07	4.83E-06	9.16E-06
2,680	6.35E-07	5.48E-06	1.06E-05	6.13E-07	5.44E-06	1.03E-05	6.01E-07	5.44E-06	1.00E-05	5.67E-07	5.03E-06	9.32E-06	5.57E-07	4.83E-06	9.15E-06
2,681	6.35E-07	5.48E-06	1.06E-05	6.13E-07	5.44E-06	1.03E-05	6.00E-07	5.44E-06	1.00E-05	5.66E-07	5.03E-06	9.32E-06	5.57E-07	4.83E-06	9.15E-06
2,682	6.34E-07	5.48E-06	1.06E-05	6.13E-07	5.44E-06	1.03E-05	6.00E-07	5.44E-06	9.99E-06	5.66E-07	5.02E-06	9.32E-06	5.57E-07	4.83E-06	9.15E-06
2,683	6.34E-07	5.48E-06	1.06E-05	6.13E-07	5.44E-06	1.03E-05	5.99E-07	5.44E-06	9.99E-06	5.66E-07	5.02E-06	9.32E-06	5.57E-07	4.83E-06	9.15E-06
2,684	6.34E-07	5.47E-06	1.06E-05	6.13E-07	5.43E-06	1.03E-05	5.99E-07	5.43E-06	9.99E-06	5.66E-07	5.02E-06	9.32E-06	5.57E-07	4.83E-06	9.15E-06
2,685	6.34E-07	5.47E-06	1.06E-05	6.13E-07	5.43E-06	1.03E-05	5.99E-07	5.43E-06	9.99E-06	5.66E-07	5.02E-06	9.32E-06	5.57E-07	4.82E-06	9.15E-06
2,686	6.34E-07	5.47E-06	1.06E-05	6.13E-07	5.43E-06	1.03E-05	5.99E-07	5.43E-06	9.98E-06	5.66E-07	5.02E-06	9.32E-06	5.57E-07	4.82E-06	9.14E-06
2,687	6.34E-07	5.47E-06	1.06E-05	6.13E-07	5.43E-06	1.03E-05	5.99E-07	5.42E-06	9.98E-06	5.66E-07	5.02E-06	9.32E-06	5.56E-07	4.82E-06	9.13E-06
2,688	6.34E-07	5.46E-06	1.06E-05	6.13E-07	5.43E-06	1.03E-05	5.99E-07	5.42E-06	9.98E-06	5.66E-07	5.02E-06	9.31E-06	5.56E-07	4.82E-06	9.13E-06
2,689	6.34E-07	5.46E-06	1.06E-05	6.12E-07	5.42E-06	1.03E-05	5.99E-07	5.42E-06	9.98E-06	5.66E-07	5.01E-06	9.31E-06	5.56E-07	4.82E-06	9.13E-06
2,690	6.34E-07	5.46E-06	1.06E-05	6.12E-07	5.42E-06	1.03E-05	5.99E-07	5.42E-06	9.97E-06	5.65E-07	5.01E-06	9.31E-06	5.56E-07	4.82E-06	9.13E-06
2,691	6.33E-07	5.45E-06	1.06E-05	6.12E-07	5.42E-06	1.03E-05	5.98E-07	5.42E-06	9.97E-06	5.65E-07	5.01E-06	9.31E-06	5.56E-07	4.82E-06	9.12E-06
2,692	6.33E-07	5.45E-06	1.06E-05	6.12E-07	5.41E-06	1.03E-05	5.98E-07	5.42E-06	9.97E-06	5.65E-07	5.01E-06	9.31E-06	5.56E-07	4.81E-06	9.12E-06
2,693	6.33E-07	5.44E-06	1.06E-05	6.12E-07	5.41E-06	1.03E-05	5.98E-07	5.41E-06	9.97E-06	5.65E-07	5.01E-06	9.31E-06	5.55E-07	4.81E-06	9.12E-06
2,694	6.33E-07	5.44E-06	1.06E-05	6.12E-07	5.41E-06	1.03E-05	5.97E-07	5.41E-06	9.96E-06	5.64E-07	5.01E-06	9.31E-06	5.55E-07	4.81E-06	9.12E-06
2,695	6.33E-07	5.44E-06	1.06E-05	6.11E-07	5.41E-06	1.03E-05	5.97E-07	5.41E-06	9.96E-06	5.64E-07	5.01E-06	9.31E-06	5.55E-07	4.81E-06	9.12E-06
2,696	6.33E-07	5.44E-06	1.06E-05	6.11E-07	5.41E-06	1.03E-05	5.97E-07	5.41E-06	9.94E-06	5.64E-07	5.00E-06	9.30E-06	5.55E-07	4.81E-06	9.11E-06
2,697	6.33E-07	5.44E-06	1.06E-05	6.11E-07	5.41E-06	1.03E-05	5.97E-07	5.41E-06	9.94E-06	5.64E-07	5.00E-06	9.30E-06	5.55E-07	4.81E-06	9.11E-06
2,698	6.33E-07	5.44E-06	1.06E-05	6.10E-07	5.41E-06	1.02E-05	5.96E-07	5.41E-06	9.94E-06	5.64E-07	5.00E-06	9.30E-06	5.55E-07	4.80E-06	9.11E-06
2,699	6.33E-07	5.43E-06	1.06E-05	6.10E-07	5.41E-06	1.02E-05	5.96E-07	5.41E-06	9.92E-06	5.64E-07	5.00E-06	9.30E-06	5.54E-07	4.80E-06	9.11E-06
2,700	6.32E-07	5.43E-06	1.06E-05	6.10E-07	5.41E-06	1.02E-05	5.96E-07	5.40E-06	9.92E-06	5.64E-07	4.99E-06	9.30E-06	5.54E-07	4.80E-06	9.10E-06
2,701	6.32E-07	5.43E-06	1.06E-05	6.10E-07	5.41E-06	1.02E-05	5.96E-07	5.40E-06	9.92E-06	5.64E-07	4.99E-06	9.29E-06	5.54E-07	4.80E-06	9.10E-06
2,702	6.32E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,706	6.31E-07	5.42E-06	1.06E-05	6.09E-07	5.40E-06	1.02E-05	5.94E-07	5.39E-06	9.90E-06	5.63E-07	4.99E-06	9.26E-06	5.54E-07	4.79E-06	9.08E-06
2,707	6.31E-07	5.42E-06	1.06E-05	6.09E-07	5.40E-06	1.02E-05	5.94E-07	5.39E-06	9.90E-06	5.63E-07	4.98E-06	9.26E-06	5.53E-07	4.79E-06	9.08E-06
2,708	6.31E-07	5.42E-06	1.06E-05	6.09E-07	5.39E-06	1.02E-05	5.94E-07	5.39E-06	9.89E-06	5.63E-07	4.98E-06	9.26E-06	5.53E-07	4.79E-06	9.08E-06
2,709	6.31E-07	5.42E-06	1.06E-05	6.09E-07	5.39E-06	1.02E-05	5.94E-07	5.38E-06	9.89E-06	5.63E-07	4.98E-06	9.26E-06	5.53E-07	4.79E-06	9.07E-06
2,710	6.31E-07	5.42E-06	1.06E-05	6.08E-07	5.39E-06	1.02E-05	5.94E-07	5.38E-06	9.89E-06	5.63E-07	4.98E-06	9.25E-06	5.53E-07	4.78E-06	9.06E-06
2,711	6.31E-07	5.42E-06	1.06E-05	6.08E-07	5.39E-06	1.02E-05	5.93E-07	5.38E-06	9.89E-06	5.63E-07	4.98E-06	9.25E-06	5.53E-07	4.78E-06	9.06E-06
2,712	6.31E-07	5.42E-06	1.06E-05	6.08E-07	5.39E-06	1.02E-05	5.93E-07	5.38E-06	9.88E-06	5.63E-07	4.97E-06	9.25E-06	5.53E-07	4.78E-06	9.05E-06
2,713	6.31E-07	5.41E-06	1.06E-05	6.08E-07	5.39E-06	1.02E-05	5.93E-07	5.38E-06	9.88E-06	5.62E-07	4.97E-06	9.24E-06	5.52E-07	4.78E-06	9.05E-06
2,714	6.30E-07	5.41E-06	1.05E-05	6.08E-07	5.39E-06	1.02E-05	5.93E-07	5.37E-06	9.88E-06	5.62E-07	4.97E-06	9.23E-06	5.52E-07	4.77E-06	9.05E-06
2,715	6.30E-07	5.39E-06	1.05E-05	6.08E-07	5.38E-06	1.02E-05	5.93E-07	5.37E-06	9.87E-06	5.62E-07	4.97E-06	9.23E-06	5.52E-07	4.77E-06	9.05E-06
2,716	6.29E-07	5.39E-06	1.05E-05	6.08E-07	5.38E-06	1.02E-05	5.92E-07	5.37E-06	9.87E-06	5.62E-07	4.97E-06	9.23E-06	5.52E-07	4.77E-06	9.04E-06
2,717	6.29E-07	5.39E-06	1.05E-05	6.07E-07	5.38E-06	1.02E-05	5.92E-07	5.37E-06	9.87E-06	5.62E-07	4.97E-06	9.23E-06	5.52E-07	4.76E-06	9.04E-06
2,718	6.29E-07	5.39E-06	1.05E-05	6.07E-07	5.38E-06	1.02E-05	5.92E-07	5.37E-06	9.87E-06	5.61E-07	4.97E-06	9.22E-06	5.52E-07	4.76E-06	9.04E-06
2,719	6.29E-07	5.39E-06	1.05E-05	6.07E-07	5.38E-06	1.02E-05	5.92E-07	5.36E-06	9.87E-06	5.61E-07	4.96E-06	9.22E-06	5.51E-07	4.76E-06	9.04E-06
2,720	6.29E-07	5.39E-06	1.05E-05	6.07E-07	5.37E-06	1.02E-05	5.92E-07	5.36E-06	9.87E-06	5.61E-07	4.96E-06	9.22E-06	5.51E-07	4.76E-06	9.04E-06
2,721	6.29E-07	5.39E-06	1.05E-05	6.07E-07	5.37E-06	1.02E-05	5.92E-07	5.36E-06	9.87E-06	5.61E-07	4.96E-06	9.22E-06	5.51E-07	4.75E-06	9.04E-06
2,722	6.28E-07	5.39E-06	1.05E-05	6.07E-07	5.37E-06	1.02E-05	5.91E-07	5.36E-06	9.86E-06	5.60E-07	4.96E-06	9.22E-06	5.51E-07	4.75E-06	9.03E-06
2,723	6.28E-07	5.39E-06	1.05E-05	6.06E-07	5.37E-06	1.02E-05	5.91E-07	5.36E-06	9.86E-06	5.60E-07	4.95E-06	9.21E-06	5.50E-07	4.75E-06	9.03E-06
2,724	6.28E-07	5.39E-06	1.05E-05	6.06E-07	5.36E-06	1.02E-05	5.91E-07	5.35E-06	9.86E-06	5.60E-07	4.95E-06	9.21E-06	5.50E-07	4.75E-06	9.03E-06
2,725	6.28E-07	5.38E-06	1.05E-05	6.06E-07	5.36E-06	1.02E-05	5.91E-07	5.35E-06	9.85E-06	5.60E-07	4.95E-06	9.21E-06	5.50E-07	4.75E-06	9.03E-06
2,726	6.28E-07	5.38E-06	1.05E-05	6.05E-07	5.36E-06	1.01E-05	5.91E-07	5.35E-06	9.85E-06	5.60E-07	4.95E-06	9.21E-06	5.50E-07	4.75E-06	9.03E-06
2,727	6.27E-07	5.38E-06	1.05E-05	6.05E-07	5.36E-06	1.01E-05	5.91E-07	5.35E-06	9.85E-06	5.60E-07	4.95E-06	9.21E-06	5.50E-07	4.74E-06	9.03E-06
2,728	6.27E-07	5.38E-06	1.05E-05	6.05E-07	5.36E-06	1.01E-05	5.91E-07	5.35E-06	9.85E-06	5.59E-07	4.95E-06	9.21E-06	5.50E-07	4.74E-06	9.02E-06
2,729	6.27E-07	5.38E-06	1.05E-05	6.05E-07	5.36E-06	1.01E-05	5.91E-07	5.35E-06	9.84E-06	5.59E-07	4.94E-06	9.20E-06	5.50E-07	4.74E-06	9.01E-06
2,730	6.27E-07	5.37E-06	1.05E-05	6.05E-07	5.36E-06	1.01E-05	5.91E-07	5.35E-06	9.84E-06	5.59E-07	4.94E-06	9.20E-06	5.49E-07	4.74E-06	9.01E-06
2,731	6.27E-07	5.37E-06	1.05E-05	6.05E-07	5.35E-06	1.01E-05	5.90E-07	5.34E-06	9.84E-06	5.59E-07	4.94E-06	9.20E-06	5.49E-07	4.74E-06	9.01E-06
2,732	6.27E-07	5.37E-06	1.04E-05	6.05E-07	5.35E-06	1.01E-05	5.90E-07	5.34E-06	9.84E-06	5.58E-07	4.94E-06	9.19E-06	5.49E-07	4.74E-06	9.00E-06
2,733	6.27E-07	5.37E-06	1.04E-05	6.05E-07	5.35E-06	1.01E-05	5.90E-07	5.34E-06	9.84E-06	5.58E-07	4.93E-06	9.19E-06	5.48E-07	4.74E-06	9.00E-06
2,734	6.26E-07	5.37E-06	1.04E-05	6.05E-07	5.35E-06	1.01E-05	5.90E-07	5.34E-06	9.83E-06	5.58E-07	4.93E-06	9.19E-06	5.48E-07	4.74E-06	9.00E-06
2,735	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.34E-06	1.01E-05	5.90E-07	5.34E-06	9.83E-06	5.58E-07	4.93E-06	9.19E-06	5.48E-07	4.73E-06	9.00E-06
2,736	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.34E-06	1.01E-05	5.89E-07	5.34E-06	9.83E-06	5.58E-07	4.92E-06	9.18E-06	5.48E-07	4.73E-06	9.00E-06
2,737	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.34E-06	1.01E-05	5.89E-07	5.33E-06	9.83E-06	5.58E-07	4.92E-06	9.18E-06	5.48E-07	4.73E-06	9.00E-06
2,738	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.34E-06	1.01E-05	5.89E-07	5.33E-06	9.82E-06	5.57E-07	4.92E-06	9.17E-06	5.48E-07	4.73E-06	8.99E-06
2,739	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.34E-06	1.01E-05	5.89E-07	5.33E-06	9.82E-06	5.57E-07	4.92E-06	9.17E-06	5.48E-07	4.73E-06	8.99E-06
2,740	6.26E-07	5.36E-06	1.04E-05	6.04E-07	5.33E-06	1.01E-05	5.89E-07	5.33E-06	9.81E-06	5.57E-07	4.92E-06	9.17E-06	5.48E-07	4.73E-06	8.98E-06
2,741	6.26E-07	5.35E-06	1.04E-05	6.03E-07	5.33E-06	1.01E-05	5.89E-07	5.33E-06	9.81E-06	5.57E-07	4.92E-06	9.17E-06	5.47E-07	4.72E-06	8.98E-06
2,742	6.26E-07	5.35E-06	1.04E-05	6.03E-07	5.33E-06	1.01E-05	5.89E-07	5.32E-06	9.80E-06	5.56E-07	4.92E-06	9.16E-06	5.47E-07	4.72E-06	8.98E-06
2,743	6.25E-07	5.35E-06	1.04E-05	6.03E-07	5.33E-06	1.01E-05	5.88E-07	5.32E-06	9.80E-06	5.56E-07	4.91E-06	9.16E-06	5.47E-07	4.71E-06	8.98E-06
2,744	6.25E-07	5.35E-06	1.04E-05	6.03E-07	5.32E-06	1.01E-05	5.88E-07	5.32E-06	9.80E-06	5.56E-07	4.91E-06	9.16E-06	5.47E-07	4.71E-06	8.98E-06
2,745	6.25E-07	5.34E-06	1.04E-05	6.03E-07	5.32E-06	1.01E-05	5.88E-07	5.32E-06	9.80E-06	5.56E-07	4.91E-06	9.16E-06	5.47E-07	4.71E-06	8.98E-06
2,746	6.25E-07	5.34E-06	1.04E-05	6.03E-07	5.31E-06	1.01E-05	5.88E-07	5.32E-06	9.80E-06	5.56E-07	4.91E-06	9.16E-06	5.47E-07	4.70E-06	8.97E-06
2,747	6.25E-07	5.33E-06	1.04E-05	6.02E-07	5.31E-06	1.01E-05	5.88E-07	5.32E-06	9.79E-06	5.55E-07	4.91E-06	9.16E-06	5.47E-07	4.70E-06	8.97E-06
2,748	6.25E-07	5.33E-06	1.04E-05	6.02E-07	5.31E-06	1.01E-05	5.87E-07	5.32E-06	9.78E-06	5.55E-07	4.91E-06	9.16E-06	5.46E-07	4.70E-06	8.95E-06
2,749	6.24E-07	5.33E-06	1.04E-05	6.02E-07	5.31E-06	1.01E-05	5.87E-07	5.31E-06	9.78E-06	5.55E-07	4.90E-06	9.15E-06	5.46E-07	4.70E-06	8.94E-06
2,750	6.24E-07	5.32E-06	1.04E-05	6.02E-07	5.31E-06	1.01E-05	5.87E-07	5.31E-06	9.78E-06	5.55E-07	4.90E-06	9.15E-06	5.45E-07	4.70E-06	8.94E-06
2,751	6.24E-07	5.32E-06	1.04E-05	6.01E-07	5.31E-06	1.01E-05	5.87E-07	5.31E-06	9.78E-06	5.55E-07	4.90E-06	9.15E-06	5.45E-07	4.69E-06	8.93E-06
2,752	6.24E-07	5.32E-06	1.04E-05	6.01E-07	5.31E-06	1.01E-05	5.87E-07	5.31E-06	9.78E-06	5.55E-07	4.90E-06	9.14E-06	5.45E-07	4.69E-06	8.93E-06
2,753	6.24E-07	5.31E-06	1.04E-05	6.01E-07	5.31E-06	1.01E-05	5.86E-07	5.31E-06	9.78E-06	5.55E-07	4.90E-06	9.14E-06	5.45E-07	4.69E-06	8.92E-06
2,754	6.24E-07	5.31E-06	1.04E-05	6.01E-07	5.30E-06	1.01E-05	5.86E-07	5.31E-06	9.78E-06	5.54E-07	4.90E-06	9.14E-06	5.45E-07	4.69E-06	8.92E-06
2,755	6.23E-07	5.31E-06	1.04E-05	6.01E-07	5.29E-06	1.01E-05	5.86E-07	5.31E-06	9.78E-06	5.54E-07	4.89E-06	9.13E-06	5.45E-07	4.69E-06	8.92E-06
2,756	6.23E-07	5.31E-06	1.04E-05	6.01E-07	5.29E-06	1.01E-05	5.86E-07	5.31E-06	9.77E-06	5.54E-07	4.89E-06	9.13E-06	5.44E-07	4.69E-06	8.92E-06
2,757	6.23E-07	5.31E-06	1.04E-05	6.01E-07	5.28E-06	1.01E-05	5.86E-07	5.30E-06	9.77E-06	5.54E-07	4.89E-06	9.12E-06	5.44E-07	4.68E-06	8.91E-06
2,758	6.23E-07	5.31E-06	1.04E-05	6.00E-07	5.28E-06	1.01E-05	5.86E-07	5.30E-06	9.77E-06	5.54E-07	4.89E-06	9.12E-06	5.44E-07	4.68E-06	8.91E-06
2,759	6.22E-07	5.30E-06	1.04E-05	6.00E-07	5.28E-06	1.01E-05	5.86E-07	5.29E-06	9.77E-06	5.54E-07	4.89E-06	9.12E-06	5.44E-07	4.68E-06	8.91E-06
2,760	6.22E-07	5.30E-06	1.04E-05	6.00E-07	5.28E-06	1.01E-05	5.86E-07	5.29E-06	9.76E-06	5.54E-07	4.89E-06	9.12E-06	5.44E-07	4.68E-06	8.91E-06
2,761	6.22E-07	5.30E-06	1.03E-05	6.00E-07	5.28E-06	1.01E-05	5.85E-07	5.29E-06	9.76E-06	5.54E-07	4.89E-06	9.12E-06	5.44E-07	4.68E-06	8.90E-06
2,762	6.22E-07	5.30E-06	1.03E-05	6.00E-07	5.28E-06	1.00E-05	5.85E-07	5.29E-06	9.76E-06	5.54E-07	4.88E-06	9.11E-06	5.44E-07	4.68E-06	8.89E-06
2,763	6.22E-07	5.29E-06	1.03E-05	6.00E-07	5.28E-06	1.00E-05	5.85E-07	5.29E-06	9.75E-06	5.53E-07	4.88E-06	9.10E-06	5.44E-07	4.68E-06	8.89E-06
2,764	6.21E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,768	6.20E-07	5.29E-06	1.03E-05	5.99E-07	5.27E-06	1.00E-05	5.84E-07	5.28E-06	9.73E-06	5.53E-07	4.88E-06	9.08E-06	5.43E-07	4.67E-06	8.88E-06
2,769	6.20E-07	5.28E-06	1.03E-05	5.98E-07	5.27E-06	1.00E-05	5.84E-07	5.28E-06	9.73E-06	5.52E-07	4.88E-06	9.08E-06	5.43E-07	4.67E-06	8.88E-06
2,770	6.20E-07	5.28E-06	1.03E-05	5.98E-07	5.27E-06	1.00E-05	5.84E-07	5.28E-06	9.72E-06	5.52E-07	4.88E-06	9.08E-06	5.43E-07	4.67E-06	8.87E-06
2,771	6.20E-07	5.28E-06	1.03E-05	5.98E-07	5.26E-06	1.00E-05	5.84E-07	5.27E-06	9.72E-06	5.52E-07	4.88E-06	9.08E-06	5.43E-07	4.67E-06	8.87E-06
2,772	6.19E-07	5.28E-06	1.03E-05	5.98E-07	5.26E-06	1.00E-05	5.83E-07	5.27E-06	9.71E-06	5.52E-07	4.87E-06	9.08E-06	5.43E-07	4.66E-06	8.87E-06
2,773	6.19E-07	5.28E-06	1.03E-05	5.98E-07	5.26E-06	9.99E-06	5.83E-07	5.27E-06	9.71E-06	5.52E-07	4.87E-06	9.08E-06	5.43E-07	4.66E-06	8.86E-06
2,774	6.19E-07	5.28E-06	1.03E-05	5.98E-07	5.26E-06	9.99E-06	5.83E-07	5.27E-06	9.70E-06	5.52E-07	4.86E-06	9.07E-06	5.43E-07	4.66E-06	8.86E-06
2,775	6.19E-07	5.27E-06	1.03E-05	5.98E-07	5.26E-06	9.98E-06	5.83E-07	5.27E-06	9.70E-06	5.52E-07	4.86E-06	9.07E-06	5.43E-07	4.66E-06	8.86E-06
2,776	6.19E-07	5.27E-06	1.03E-05	5.98E-07	5.26E-06	9.98E-06	5.82E-07	5.27E-06	9.70E-06	5.51E-07	4.86E-06	9.07E-06	5.43E-07	4.65E-06	8.86E-06
2,777	6.18E-07	5.27E-06	1.03E-05	5.97E-07	5.26E-06	9.98E-06	5.82E-07	5.26E-06	9.70E-06	5.51E-07	4.86E-06	9.06E-06	5.42E-07	4.65E-06	8.85E-06
2,778	6.18E-07	5.27E-06	1.03E-05	5.97E-07	5.26E-06	9.97E-06	5.82E-07	5.26E-06	9.69E-06	5.51E-07	4.86E-06	9.06E-06	5.42E-07	4.65E-06	8.85E-06
2,779	6.18E-07	5.27E-06	1.03E-05	5.97E-07	5.25E-06	9.97E-06	5.82E-07	5.26E-06	9.69E-06	5.51E-07	4.86E-06	9.06E-06	5.42E-07	4.65E-06	8.84E-06
2,780	6.18E-07	5.27E-06	1.03E-05	5.97E-07	5.25E-06	9.97E-06	5.81E-07	5.26E-06	9.69E-06	5.51E-07	4.86E-06	9.06E-06	5.42E-07	4.65E-06	8.84E-06
2,781	6.18E-07	5.27E-06	1.03E-05	5.97E-07	5.25E-06	9.97E-06	5.81E-07	5.25E-06	9.69E-06	5.51E-07	4.85E-06	9.06E-06	5.42E-07	4.65E-06	8.83E-06
2,782	6.18E-07	5.27E-06	1.03E-05	5.96E-07	5.25E-06	9.96E-06	5.81E-07	5.25E-06	9.69E-06	5.50E-07	4.85E-06	9.05E-06	5.41E-07	4.65E-06	8.83E-06
2,783	6.18E-07	5.26E-06	1.03E-05	5.96E-07	5.25E-06	9.96E-06	5.81E-07	5.25E-06	9.68E-06	5.50E-07	4.85E-06	9.05E-06	5.41E-07	4.64E-06	8.83E-06
2,784	6.17E-07	5.26E-06	1.03E-05	5.96E-07	5.25E-06	9.93E-06	5.81E-07	5.25E-06	9.68E-06	5.50E-07	4.85E-06	9.04E-06	5.41E-07	4.63E-06	8.83E-06
2,785	6.17E-07	5.26E-06	1.03E-05	5.95E-07	5.25E-06	9.93E-06	5.81E-07	5.24E-06	9.67E-06	5.50E-07	4.85E-06	9.04E-06	5.41E-07	4.63E-06	8.83E-06
2,786	6.16E-07	5.26E-06	1.03E-05	5.95E-07	5.24E-06	9.93E-06	5.81E-07	5.24E-06	9.67E-06	5.50E-07	4.84E-06	9.04E-06	5.41E-07	4.63E-06	8.83E-06
2,787	6.16E-07	5.26E-06	1.03E-05	5.95E-07	5.24E-06	9.93E-06	5.81E-07	5.24E-06	9.67E-06	5.50E-07	4.84E-06	9.04E-06	5.41E-07	4.63E-06	8.82E-06
2,788	6.16E-07	5.26E-06	1.03E-05	5.95E-07	5.24E-06	9.92E-06	5.81E-07	5.23E-06	9.67E-06	5.49E-07	4.83E-06	9.02E-06	5.40E-07	4.62E-06	8.81E-06
2,789	6.15E-07	5.26E-06	1.03E-05	5.95E-07	5.24E-06	9.92E-06	5.81E-07	5.23E-06	9.66E-06	5.49E-07	4.83E-06	9.02E-06	5.40E-07	4.62E-06	8.81E-06
2,790	6.15E-07	5.25E-06	1.02E-05	5.95E-07	5.24E-06	9.92E-06	5.80E-07	5.23E-06	9.65E-06	5.49E-07	4.83E-06	9.02E-06	5.40E-07	4.62E-06	8.81E-06
2,791	6.15E-07	5.25E-06	1.02E-05	5.95E-07	5.23E-06	9.92E-06	5.80E-07	5.23E-06	9.65E-06	5.49E-07	4.82E-06	9.02E-06	5.40E-07	4.62E-06	8.81E-06
2,792	6.15E-07	5.25E-06	1.02E-05	5.94E-07	5.23E-06	9.92E-06	5.80E-07	5.22E-06	9.65E-06	5.49E-07	4.81E-06	9.02E-06	5.39E-07	4.62E-06	8.81E-06
2,793	6.15E-07	5.25E-06	1.02E-05	5.94E-07	5.22E-06	9.92E-06	5.80E-07	5.22E-06	9.65E-06	5.48E-07	4.81E-06	9.01E-06	5.39E-07	4.62E-06	8.80E-06
2,794	6.15E-07	5.25E-06	1.02E-05	5.94E-07	5.22E-06	9.91E-06	5.80E-07	5.22E-06	9.65E-06	5.48E-07	4.81E-06	9.01E-06	5.39E-07	4.62E-06	8.80E-06
2,795	6.15E-07	5.25E-06	1.02E-05	5.94E-07	5.22E-06	9.90E-06	5.80E-07	5.21E-06	9.65E-06	5.48E-07	4.80E-06	9.01E-06	5.39E-07	4.61E-06	8.80E-06
2,796	6.15E-07	5.24E-06	1.02E-05	5.93E-07	5.22E-06	9.90E-06	5.80E-07	5.21E-06	9.65E-06	5.48E-07	4.80E-06	9.01E-06	5.39E-07	4.61E-06	8.79E-06
2,797	6.15E-07	5.24E-06	1.02E-05	5.93E-07	5.21E-06	9.90E-06	5.79E-07	5.21E-06	9.64E-06	5.47E-07	4.80E-06	9.00E-06	5.38E-07	4.61E-06	8.78E-06
2,798	6.15E-07	5.24E-06	1.02E-05	5.93E-07	5.21E-06	9.90E-06	5.79E-07	5.21E-06	9.64E-06	5.47E-07	4.80E-06	9.00E-06	5.38E-07	4.60E-06	8.77E-06
2,799	6.14E-07	5.24E-06	1.02E-05	5.93E-07	5.21E-06	9.90E-06	5.78E-07	5.21E-06	9.64E-06	5.47E-07	4.79E-06	9.00E-06	5.38E-07	4.60E-06	8.77E-06
2,800	6.14E-07	5.24E-06	1.02E-05	5.93E-07	5.21E-06	9.89E-06	5.78E-07	5.21E-06	9.64E-06	5.47E-07	4.79E-06	9.00E-06	5.38E-07	4.60E-06	8.77E-06
2,801	6.13E-07	5.24E-06	1.02E-05	5.92E-07	5.21E-06	9.89E-06	5.78E-07	5.20E-06	9.64E-06	5.47E-07	4.79E-06	9.00E-06	5.38E-07	4.59E-06	8.76E-06
2,802	6.13E-07	5.24E-06	1.02E-05	5.92E-07	5.20E-06	9.88E-06	5.78E-07	5.20E-06	9.64E-06	5.47E-07	4.79E-06	8.99E-06	5.38E-07	4.59E-06	8.76E-06
2,803	6.13E-07	5.24E-06	1.02E-05	5.92E-07	5.20E-06	9.88E-06	5.78E-07	5.20E-06	9.63E-06	5.47E-07	4.79E-06	8.99E-06	5.38E-07	4.59E-06	8.76E-06
2,804	6.12E-07	5.24E-06	1.02E-05	5.92E-07	5.20E-06	9.88E-06	5.77E-07	5.20E-06	9.62E-06	5.46E-07	4.78E-06	8.99E-06	5.38E-07	4.59E-06	8.76E-06
2,805	6.12E-07	5.23E-06	1.02E-05	5.92E-07	5.19E-06	9.88E-06	5.77E-07	5.19E-06	9.61E-06	5.46E-07	4.78E-06	8.99E-06	5.38E-07	4.58E-06	8.76E-06
2,806	6.12E-07	5.23E-06	1.02E-05	5.92E-07	5.19E-06	9.88E-06	5.77E-07	5.19E-06	9.61E-06	5.46E-07	4.78E-06	8.98E-06	5.38E-07	4.58E-06	8.75E-06
2,807	6.12E-07	5.23E-06	1.02E-05	5.92E-07	5.19E-06	9.88E-06	5.77E-07	5.19E-06	9.60E-06	5.46E-07	4.77E-06	8.98E-06	5.38E-07	4.58E-06	8.74E-06
2,808	6.12E-07	5.23E-06	1.02E-05	5.92E-07	5.18E-06	9.88E-06	5.77E-07	5.19E-06	9.60E-06	5.46E-07	4.77E-06	8.97E-06	5.37E-07	4.58E-06	8.74E-06
2,809	6.12E-07	5.23E-06	1.02E-05	5.92E-07	5.18E-06	9.87E-06	5.77E-07	5.18E-06	9.60E-06	5.46E-07	4.77E-06	8.97E-06	5.37E-07	4.58E-06	8.74E-06
2,810	6.12E-07	5.22E-06	1.02E-05	5.92E-07	5.18E-06	9.87E-06	5.77E-07	5.18E-06	9.60E-06	5.45E-07	4.77E-06	8.97E-06	5.37E-07	4.58E-06	8.73E-06
2,811	6.12E-07	5.22E-06	1.02E-05	5.92E-07	5.18E-06	9.86E-06	5.77E-07	5.18E-06	9.60E-06	5.45E-07	4.77E-06	8.97E-06	5.37E-07	4.58E-06	8.73E-06
2,812	6.12E-07	5.22E-06	1.02E-05	5.91E-07	5.18E-06	9.86E-06	5.77E-07	5.18E-06	9.60E-06	5.45E-07	4.77E-06	8.97E-06	5.37E-07	4.57E-06	8.73E-06
2,813	6.12E-07	5.22E-06	1.02E-05	5.91E-07	5.18E-06	9.86E-06	5.77E-07	5.18E-06	9.59E-06	5.45E-07	4.77E-06	8.96E-06	5.37E-07	4.57E-06	8.73E-06
2,814	6.12E-07	5.22E-06	1.02E-05	5.91E-07	5.17E-06	9.86E-06	5.76E-07	5.18E-06	9.59E-06	5.44E-07	4.77E-06	8.96E-06	5.36E-07	4.57E-06	8.71E-06
2,815	6.12E-07	5.22E-06	1.02E-05	5.91E-07	5.17E-06	9.86E-06	5.76E-07	5.17E-06	9.58E-06	5.44E-07	4.77E-06	8.96E-06	5.36E-07	4.57E-06	8.71E-06
2,816	6.12E-07	5.22E-06	1.02E-05	5.91E-07	5.17E-06	9.85E-06	5.75E-07	5.17E-06	9.58E-06	5.44E-07	4.76E-06	8.96E-06	5.36E-07	4.57E-06	8.71E-06
2,817	6.11E-07	5.22E-06	1.02E-05	5.91E-07	5.16E-06	9.85E-06	5.75E-07	5.17E-06	9.58E-06	5.44E-07	4.76E-06	8.96E-06	5.36E-07	4.57E-06	8.70E-06
2,818	6.11E-07	5.21E-06	1.02E-05	5.91E-07	5.16E-06	9.84E-06	5.75E-07	5.17E-06	9.58E-06	5.43E-07	4.76E-06	8.95E-06	5.36E-07	4.57E-06	8.70E-06
2,819	6.11E-07	5.21E-06	1.02E-05	5.91E-07	5.16E-06	9.83E-06	5.75E-07	5.16E-06	9.58E-06	5.43E-07	4.76E-06	8.95E-06	5.36E-07	4.57E-06	8.69E-06
2,820	6.11E-07	5.21E-06	1.01E-05	5.90E-07	5.16E-06	9.83E-06	5.75E-07	5.16E-06	9.58E-06	5.43E-07	4.75E-06	8.95E-06	5.36E-07	4.57E-06	8.68E-06
2,821	6.11E-07	5.21E-06	1.01E-05	5.90E-07	5.16E-06	9.83E-06	5.75E-07	5.16E-06	9.58E-06	5.42E-07	4.75E-06	8.95E-06	5.35E-07	4.57E-06	8.68E-06
2,822	6.11E-07	5.21E-06	1.01E-05	5.90E-07	5.16E-06	9.83E-06	5.75E-07	5.16E-06	9.58E-06	5.42E-07	4.75E-06	8.95E-06	5.35E-07	4.56E-06	8.68E-06
2,823	6.10E-07	5.20E-06	1.01E-05	5.90E-07	5.16E-06	9.83E-06	5.75E-07	5.15E-06	9.57E-06	5.42E-07	4.75E-06	8.94E-06	5.35E-07	4.56E-06	8.68E-06
2,824	6.10E-07	5.20E-06	1.01E-05	5.90E-07	5.15E-06	9.82E-06	5.74E-07	5.15E-06	9.57E-06	5.41E-07	4.75E-06	8.94E-06	5.35E-07	4.56E-06	8.67E-06
2,825	6.10E-07	5.20E-06	1.01E-05	5.89E-07	5.15E-06	9.82E-06	5.74E-07	5.15E-06	9.57E-06	5.41E-07	4.75E-06	8.94E-06	5.34E-07	4.56E-06	8.67E-06
2,826	6.10E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,830	6.09E-07	5.19E-06	1.01E-05	5.88E-07	5.13E-06	9.80E-06	5.73E-07	5.14E-06	9.56E-06	5.40E-07	4.73E-06	8.92E-06	5.33E-07	4.55E-06	8.66E-06
2,831	6.09E-07	5.19E-06	1.01E-05	5.88E-07	5.13E-06	9.80E-06	5.73E-07	5.14E-06	9.55E-06	5.40E-07	4.73E-06	8.92E-06	5.33E-07	4.55E-06	8.66E-06
2,832	6.09E-07	5.19E-06	1.01E-05	5.88E-07	5.13E-06	9.80E-06	5.73E-07	5.14E-06	9.55E-06	5.39E-07	4.73E-06	8.92E-06	5.32E-07	4.55E-06	8.66E-06
2,833	6.08E-07	5.18E-06	1.01E-05	5.87E-07	5.12E-06	9.79E-06	5.73E-07	5.13E-06	9.54E-06	5.39E-07	4.73E-06	8.92E-06	5.32E-07	4.55E-06	8.65E-06
2,834	6.08E-07	5.18E-06	1.01E-05	5.87E-07	5.12E-06	9.79E-06	5.73E-07	5.13E-06	9.54E-06	5.39E-07	4.73E-06	8.91E-06	5.32E-07	4.54E-06	8.65E-06
2,835	6.08E-07	5.18E-06	1.01E-05	5.87E-07	5.12E-06	9.79E-06	5.72E-07	5.13E-06	9.53E-06	5.39E-07	4.73E-06	8.90E-06	5.32E-07	4.54E-06	8.65E-06
2,836	6.08E-07	5.18E-06	1.01E-05	5.87E-07	5.11E-06	9.79E-06	5.72E-07	5.13E-06	9.53E-06	5.39E-07	4.73E-06	8.90E-06	5.32E-07	4.54E-06	8.65E-06
2,837	6.08E-07	5.18E-06	1.01E-05	5.87E-07	5.11E-06	9.79E-06	5.72E-07	5.12E-06	9.52E-06	5.39E-07	4.73E-06	8.90E-06	5.32E-07	4.54E-06	8.65E-06
2,838	6.08E-07	5.18E-06	1.01E-05	5.86E-07	5.11E-06	9.78E-06	5.72E-07	5.12E-06	9.52E-06	5.38E-07	4.73E-06	8.89E-06	5.31E-07	4.54E-06	8.65E-06
2,839	6.08E-07	5.17E-06	1.01E-05	5.86E-07	5.11E-06	9.78E-06	5.72E-07	5.12E-06	9.52E-06	5.38E-07	4.72E-06	8.89E-06	5.31E-07	4.54E-06	8.64E-06
2,840	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.11E-06	9.78E-06	5.72E-07	5.12E-06	9.51E-06	5.38E-07	4.72E-06	8.89E-06	5.31E-07	4.53E-06	8.64E-06
2,841	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.11E-06	9.77E-06	5.72E-07	5.11E-06	9.51E-06	5.38E-07	4.72E-06	8.89E-06	5.30E-07	4.53E-06	8.64E-06
2,842	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.11E-06	9.77E-06	5.72E-07	5.11E-06	9.51E-06	5.38E-07	4.72E-06	8.89E-06	5.30E-07	4.53E-06	8.63E-06
2,843	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.11E-06	9.77E-06	5.72E-07	5.11E-06	9.50E-06	5.37E-07	4.72E-06	8.89E-06	5.30E-07	4.53E-06	8.63E-06
2,844	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.10E-06	9.77E-06	5.72E-07	5.11E-06	9.50E-06	5.37E-07	4.71E-06	8.88E-06	5.30E-07	4.53E-06	8.63E-06
2,845	6.07E-07	5.17E-06	1.01E-05	5.86E-07	5.10E-06	9.77E-06	5.71E-07	5.11E-06	9.50E-06	5.37E-07	4.71E-06	8.88E-06	5.30E-07	4.53E-06	8.63E-06
2,846	6.07E-07	5.17E-06	1.01E-05	5.85E-07	5.10E-06	9.76E-06	5.71E-07	5.11E-06	9.50E-06	5.37E-07	4.71E-06	8.88E-06	5.29E-07	4.52E-06	8.63E-06
2,847	6.07E-07	5.17E-06	1.01E-05	5.85E-07	5.10E-06	9.76E-06	5.71E-07	5.11E-06	9.50E-06	5.37E-07	4.71E-06	8.88E-06	5.29E-07	4.52E-06	8.63E-06
2,848	6.07E-07	5.16E-06	1.01E-05	5.85E-07	5.10E-06	9.76E-06	5.71E-07	5.10E-06	9.49E-06	5.37E-07	4.71E-06	8.87E-06	5.29E-07	4.52E-06	8.63E-06
2,849	6.06E-07	5.15E-06	1.00E-05	5.85E-07	5.10E-06	9.75E-06	5.71E-07	5.10E-06	9.49E-06	5.37E-07	4.71E-06	8.87E-06	5.29E-07	4.52E-06	8.62E-06
2,850	6.06E-07	5.15E-06	1.00E-05	5.85E-07	5.10E-06	9.75E-06	5.70E-07	5.09E-06	9.49E-06	5.37E-07	4.70E-06	8.87E-06	5.29E-07	4.52E-06	8.62E-06
2,851	6.06E-07	5.15E-06	1.00E-05	5.85E-07	5.10E-06	9.75E-06	5.70E-07	5.09E-06	9.49E-06	5.37E-07	4.70E-06	8.86E-06	5.29E-07	4.51E-06	8.61E-06
2,852	6.06E-07	5.14E-06	1.00E-05	5.85E-07	5.10E-06	9.74E-06	5.70E-07	5.09E-06	9.48E-06	5.36E-07	4.70E-06	8.86E-06	5.28E-07	4.51E-06	8.61E-06
2,853	6.06E-07	5.14E-06	1.00E-05	5.84E-07	5.10E-06	9.73E-06	5.69E-07	5.09E-06	9.48E-06	5.36E-07	4.70E-06	8.85E-06	5.27E-07	4.51E-06	8.61E-06
2,854	6.05E-07	5.14E-06	1.00E-05	5.84E-07	5.09E-06	9.73E-06	5.69E-07	5.09E-06	9.47E-06	5.36E-07	4.70E-06	8.85E-06	5.27E-07	4.51E-06	8.60E-06
2,855	6.05E-07	5.14E-06	1.00E-05	5.83E-07	5.09E-06	9.73E-06	5.69E-07	5.08E-06	9.47E-06	5.36E-07	4.70E-06	8.85E-06	5.27E-07	4.50E-06	8.60E-06
2,856	6.05E-07	5.13E-06	1.00E-05	5.83E-07	5.08E-06	9.73E-06	5.69E-07	5.08E-06	9.47E-06	5.35E-07	4.70E-06	8.85E-06	5.27E-07	4.50E-06	8.60E-06
2,857	6.05E-07	5.13E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.69E-07	5.08E-06	9.47E-06	5.35E-07	4.70E-06	8.85E-06	5.27E-07	4.50E-06	8.60E-06
2,858	6.04E-07	5.13E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.68E-07	5.08E-06	9.47E-06	5.35E-07	4.70E-06	8.85E-06	5.26E-07	4.50E-06	8.59E-06
2,859	6.04E-07	5.13E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.68E-07	5.07E-06	9.47E-06	5.35E-07	4.70E-06	8.84E-06	5.26E-07	4.50E-06	8.59E-06
2,860	6.04E-07	5.12E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.68E-07	5.07E-06	9.46E-06	5.35E-07	4.69E-06	8.84E-06	5.26E-07	4.50E-06	8.59E-06
2,861	6.04E-07	5.12E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.68E-07	5.07E-06	9.46E-06	5.34E-07	4.69E-06	8.84E-06	5.26E-07	4.50E-06	8.59E-06
2,862	6.03E-07	5.11E-06	1.00E-05	5.82E-07	5.08E-06	9.73E-06	5.68E-07	5.07E-06	9.46E-06	5.34E-07	4.69E-06	8.83E-06	5.25E-07	4.50E-06	8.59E-06
2,863	6.03E-07	5.11E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.68E-07	5.07E-06	9.45E-06	5.34E-07	4.69E-06	8.83E-06	5.25E-07	4.49E-06	8.58E-06
2,864	6.03E-07	5.11E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.68E-07	5.07E-06	9.45E-06	5.34E-07	4.68E-06	8.83E-06	5.25E-07	4.49E-06	8.58E-06
2,865	6.03E-07	5.11E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.67E-07	5.07E-06	9.44E-06	5.34E-07	4.68E-06	8.83E-06	5.25E-07	4.49E-06	8.58E-06
2,866	6.03E-07	5.10E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.67E-07	5.06E-06	9.43E-06	5.34E-07	4.68E-06	8.83E-06	5.25E-07	4.49E-06	8.58E-06
2,867	6.03E-07	5.10E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.67E-07	5.06E-06	9.43E-06	5.34E-07	4.68E-06	8.82E-06	5.24E-07	4.49E-06	8.57E-06
2,868	6.03E-07	5.09E-06	1.00E-05	5.82E-07	5.07E-06	9.72E-06	5.67E-07	5.06E-06	9.42E-06	5.33E-07	4.68E-06	8.81E-06	5.24E-07	4.49E-06	8.57E-06
2,869	6.03E-07	5.09E-06	1.00E-05	5.81E-07	5.07E-06	9.72E-06	5.67E-07	5.06E-06	9.42E-06	5.33E-07	4.68E-06	8.81E-06	5.24E-07	4.49E-06	8.57E-06
2,870	6.03E-07	5.09E-06	9.99E-06	5.81E-07	5.06E-06	9.71E-06	5.67E-07	5.06E-06	9.42E-06	5.33E-07	4.68E-06	8.81E-06	5.24E-07	4.49E-06	8.57E-06
2,871	6.03E-07	5.09E-06	9.98E-06	5.81E-07	5.06E-06	9.71E-06	5.66E-07	5.06E-06	9.42E-06	5.33E-07	4.67E-06	8.81E-06	5.24E-07	4.48E-06	8.56E-06
2,872	6.02E-07	5.09E-06	9.98E-06	5.81E-07	5.06E-06	9.71E-06	5.66E-07	5.06E-06	9.42E-06	5.33E-07	4.67E-06	8.80E-06	5.23E-07	4.48E-06	8.56E-06
2,873	6.02E-07	5.09E-06	9.97E-06	5.81E-07	5.06E-06	9.71E-06	5.66E-07	5.05E-06	9.41E-06	5.33E-07	4.66E-06	8.80E-06	5.23E-07	4.48E-06	8.56E-06
2,874	6.02E-07	5.09E-06	9.97E-06	5.81E-07	5.06E-06	9.71E-06	5.66E-07	5.05E-06	9.41E-06	5.33E-07	4.66E-06	8.79E-06	5.23E-07	4.48E-06	8.55E-06
2,875	6.02E-07	5.08E-06	9.96E-06	5.81E-07	5.06E-06	9.71E-06	5.66E-07	5.05E-06	9.41E-06	5.33E-07	4.66E-06	8.79E-06	5.23E-07	4.48E-06	8.55E-06
2,876	6.01E-07	5.08E-06	9.95E-06	5.81E-07	5.06E-06	9.71E-06	5.65E-07	5.05E-06	9.40E-06	5.32E-07	4.66E-06	8.79E-06	5.23E-07	4.48E-06	8.55E-06
2,877	6.01E-07	5.08E-06	9.94E-06	5.81E-07	5.06E-06	9.70E-06	5.65E-07	5.04E-06	9.39E-06	5.32E-07	4.66E-06	8.78E-06	5.23E-07	4.47E-06	8.55E-06
2,878	6.01E-07	5.08E-06	9.94E-06	5.80E-07	5.05E-06	9.70E-06	5.65E-07	5.04E-06	9.39E-06	5.32E-07	4.66E-06	8.78E-06	5.23E-07	4.47E-06	8.54E-06
2,879	6.01E-07	5.08E-06	9.94E-06	5.80E-07	5.05E-06	9.69E-06	5.64E-07	5.04E-06	9.38E-06	5.32E-07	4.65E-06	8.77E-06	5.23E-07	4.47E-06	8.54E-06
2,880	6.01E-07	5.08E-06	9.93E-06	5.80E-07	5.05E-06	9.69E-06	5.64E-07	5.04E-06	9.38E-06	5.31E-07	4.65E-06	8.77E-06	5.22E-07	4.46E-06	8.54E-06
2,881	6.00E-07	5.07E-06	9.93E-06	5.79E-07	5.05E-06	9.69E-06	5.64E-07	5.04E-06	9.38E-06	5.31E-07	4.65E-06	8.77E-06	5.22E-07	4.46E-06	8.54E-06
2,882	6.00E-07	5.07E-06	9.93E-06	5.79E-07	5.04E-06	9.69E-06	5.64E-07	5.04E-06	9.38E-06	5.31E-07	4.65E-06	8.77E-06	5.22E-07	4.46E-06	8.54E-06
2,883	6.00E-07	5.07E-06	9.93E-06	5.79E-07	5.04E-06	9.69E-06	5.63E-07	5.04E-06	9.38E-06	5.31E-07	4.65E-06	8.76E-06	5.22E-07	4.46E-06	8.53E-06
2,884	6.00E-07	5.07E-06	9.92E-06	5.79E-07	5.04E-06	9.68E-06	5.62E-07	5.03E-06	9.37E-06	5.31E-07	4.65E-06	8.76E-06	5.22E-07	4.45E-06	8.53E-06
2,885	5.99E-07	5.07E-06	9.92E-06	5.79E-07	5.04E-06	9.67E-06	5.62E-07	5.03E-06	9.37E-06	5.31E-07	4.65E-06	8.76E-06	5.22E-07	4.45E-06	8.53E-06
2,886	5.99E-07	5.07E-06	9.92E-06	5.78E-07	5.04E-06	9.67E-06	5.62E-07	5.03E-06	9.37E-06	5.31E-07	4.64E-06	8.75E-06	5.21E-07	4.45E-06	8.53E-06
2,887	5.99E-07	5.06E-06	9.92E-06	5.78E-07	5.04E-06	9.67E-06	5.62E-07	5.03E-06	9.37E-06	5.31E-07	4.64E-06	8.75E-06	5.21E-07	4.45E-06	8.53E-06
2,888	5.99E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,892	5.98E-07	5.06E-06	9.91E-06	5.77E-07	5.03E-06	9.66E-06	5.61E-07	5.02E-06	9.36E-06	5.30E-07	4.63E-06	8.74E-06	5.21E-07	4.44E-06	8.50E-06
2,893	5.98E-07	5.06E-06	9.91E-06	5.77E-07	5.02E-06	9.66E-06	5.61E-07	5.02E-06	9.36E-06	5.30E-07	4.63E-06	8.74E-06	5.20E-07	4.44E-06	8.50E-06
2,894	5.98E-07	5.06E-06	9.90E-06	5.76E-07	5.02E-06	9.66E-06	5.61E-07	5.01E-06	9.35E-06	5.29E-07	4.63E-06	8.74E-06	5.20E-07	4.44E-06	8.50E-06
2,895	5.97E-07	5.05E-06	9.90E-06	5.76E-07	5.02E-06	9.65E-06	5.61E-07	5.01E-06	9.35E-06	5.29E-07	4.63E-06	8.74E-06	5.20E-07	4.44E-06	8.50E-06
2,896	5.97E-07	5.05E-06	9.90E-06	5.76E-07	5.02E-06	9.65E-06	5.61E-07	5.01E-06	9.35E-06	5.29E-07	4.62E-06	8.74E-06	5.20E-07	4.44E-06	8.49E-06
2,897	5.97E-07	5.05E-06	9.90E-06	5.76E-07	5.02E-06	9.65E-06	5.61E-07	5.01E-06	9.35E-06	5.29E-07	4.62E-06	8.73E-06	5.20E-07	4.44E-06	8.48E-06
2,898	5.97E-07	5.05E-06	9.90E-06	5.76E-07	5.02E-06	9.65E-06	5.60E-07	5.01E-06	9.35E-06	5.29E-07	4.62E-06	8.73E-06	5.20E-07	4.44E-06	8.48E-06
2,899	5.97E-07	5.04E-06	9.89E-06	5.76E-07	5.02E-06	9.64E-06	5.60E-07	5.01E-06	9.35E-06	5.29E-07	4.62E-06	8.73E-06	5.20E-07	4.43E-06	8.48E-06
2,900	5.97E-07	5.04E-06	9.89E-06	5.76E-07	5.01E-06	9.64E-06	5.60E-07	5.01E-06	9.35E-06	5.29E-07	4.62E-06	8.73E-06	5.20E-07	4.43E-06	8.48E-06
2,901	5.97E-07	5.04E-06	9.89E-06	5.76E-07	5.01E-06	9.63E-06	5.60E-07	5.01E-06	9.34E-06	5.28E-07	4.62E-06	8.73E-06	5.19E-07	4.43E-06	8.47E-06
2,902	5.96E-07	5.04E-06	9.89E-06	5.76E-07	5.01E-06	9.63E-06	5.60E-07	5.00E-06	9.34E-06	5.28E-07	4.62E-06	8.73E-06	5.19E-07	4.42E-06	8.47E-06
2,903	5.96E-07	5.04E-06	9.88E-06	5.76E-07	5.01E-06	9.63E-06	5.60E-07	5.00E-06	9.34E-06	5.28E-07	4.62E-06	8.73E-06	5.19E-07	4.42E-06	8.47E-06
2,904	5.95E-07	5.04E-06	9.88E-06	5.75E-07	5.01E-06	9.63E-06	5.60E-07	5.00E-06	9.33E-06	5.28E-07	4.62E-06	8.72E-06	5.19E-07	4.42E-06	8.47E-06
2,905	5.95E-07	5.04E-06	9.88E-06	5.75E-07	5.01E-06	9.63E-06	5.60E-07	5.00E-06	9.33E-06	5.28E-07	4.61E-06	8.72E-06	5.19E-07	4.42E-06	8.46E-06
2,906	5.95E-07	5.04E-06	9.88E-06	5.75E-07	5.01E-06	9.63E-06	5.60E-07	5.00E-06	9.33E-06	5.28E-07	4.61E-06	8.72E-06	5.19E-07	4.42E-06	8.46E-06
2,907	5.95E-07	5.04E-06	9.87E-06	5.75E-07	5.00E-06	9.62E-06	5.60E-07	5.00E-06	9.33E-06	5.28E-07	4.61E-06	8.71E-06	5.19E-07	4.42E-06	8.46E-06
2,908	5.94E-07	5.03E-06	9.87E-06	5.75E-07	5.00E-06	9.62E-06	5.60E-07	5.00E-06	9.33E-06	5.27E-07	4.61E-06	8.71E-06	5.19E-07	4.42E-06	8.46E-06
2,909	5.94E-07	5.03E-06	9.87E-06	5.75E-07	5.00E-06	9.62E-06	5.60E-07	5.00E-06	9.33E-06	5.27E-07	4.61E-06	8.71E-06	5.18E-07	4.42E-06	8.46E-06
2,910	5.94E-07	5.03E-06	9.87E-06	5.75E-07	5.00E-06	9.62E-06	5.59E-07	5.00E-06	9.33E-06	5.27E-07	4.61E-06	8.71E-06	5.18E-07	4.42E-06	8.45E-06
2,911	5.94E-07	5.03E-06	9.87E-06	5.74E-07	5.00E-06	9.61E-06	5.59E-07	4.99E-06	9.33E-06	5.27E-07	4.60E-06	8.70E-06	5.17E-07	4.42E-06	8.45E-06
2,912	5.94E-07	5.03E-06	9.86E-06	5.74E-07	5.00E-06	9.60E-06	5.59E-07	4.99E-06	9.32E-06	5.27E-07	4.60E-06	8.70E-06	5.17E-07	4.42E-06	8.45E-06
2,913	5.94E-07	5.03E-06	9.86E-06	5.74E-07	5.00E-06	9.60E-06	5.59E-07	4.99E-06	9.32E-06	5.27E-07	4.60E-06	8.70E-06	5.17E-07	4.42E-06	8.45E-06
2,914	5.93E-07	5.03E-06	9.86E-06	5.74E-07	5.00E-06	9.59E-06	5.59E-07	4.98E-06	9.31E-06	5.27E-07	4.60E-06	8.69E-06	5.17E-07	4.41E-06	8.44E-06
2,915	5.93E-07	5.03E-06	9.85E-06	5.74E-07	5.00E-06	9.59E-06	5.59E-07	4.98E-06	9.31E-06	5.26E-07	4.60E-06	8.69E-06	5.17E-07	4.41E-06	8.44E-06
2,916	5.93E-07	5.03E-06	9.84E-06	5.73E-07	5.00E-06	9.58E-06	5.59E-07	4.98E-06	9.31E-06	5.26E-07	4.60E-06	8.68E-06	5.17E-07	4.41E-06	8.43E-06
2,917	5.92E-07	5.02E-06	9.84E-06	5.73E-07	4.99E-06	9.58E-06	5.59E-07	4.98E-06	9.31E-06	5.26E-07	4.60E-06	8.68E-06	5.17E-07	4.41E-06	8.43E-06
2,918	5.92E-07	5.02E-06	9.84E-06	5.73E-07	4.99E-06	9.57E-06	5.59E-07	4.98E-06	9.30E-06	5.26E-07	4.60E-06	8.68E-06	5.17E-07	4.41E-06	8.42E-06
2,919	5.92E-07	5.02E-06	9.83E-06	5.73E-07	4.99E-06	9.57E-06	5.59E-07	4.98E-06	9.30E-06	5.26E-07	4.60E-06	8.68E-06	5.17E-07	4.41E-06	8.42E-06
2,920	5.92E-07	5.02E-06	9.83E-06	5.73E-07	4.99E-06	9.57E-06	5.58E-07	4.98E-06	9.30E-06	5.26E-07	4.59E-06	8.67E-06	5.16E-07	4.40E-06	8.42E-06
2,921	5.92E-07	5.02E-06	9.83E-06	5.73E-07	4.99E-06	9.56E-06	5.58E-07	4.98E-06	9.30E-06	5.26E-07	4.59E-06	8.67E-06	5.16E-07	4.40E-06	8.42E-06
2,922	5.92E-07	5.02E-06	9.83E-06	5.73E-07	4.99E-06	9.56E-06	5.58E-07	4.97E-06	9.30E-06	5.25E-07	4.59E-06	8.67E-06	5.16E-07	4.40E-06	8.42E-06
2,923	5.92E-07	5.02E-06	9.82E-06	5.72E-07	4.99E-06	9.56E-06	5.58E-07	4.97E-06	9.29E-06	5.25E-07	4.59E-06	8.67E-06	5.16E-07	4.40E-06	8.42E-06
2,924	5.91E-07	5.02E-06	9.82E-06	5.72E-07	4.98E-06	9.56E-06	5.58E-07	4.97E-06	9.29E-06	5.25E-07	4.59E-06	8.67E-06	5.16E-07	4.40E-06	8.41E-06
2,925	5.91E-07	5.02E-06	9.82E-06	5.72E-07	4.98E-06	9.56E-06	5.58E-07	4.97E-06	9.29E-06	5.25E-07	4.59E-06	8.66E-06	5.16E-07	4.40E-06	8.41E-06
2,926	5.90E-07	5.02E-06	9.81E-06	5.72E-07	4.98E-06	9.56E-06	5.58E-07	4.97E-06	9.29E-06	5.25E-07	4.59E-06	8.66E-06	5.16E-07	4.40E-06	8.41E-06
2,927	5.90E-07	5.01E-06	9.81E-06	5.72E-07	4.98E-06	9.56E-06	5.58E-07	4.96E-06	9.29E-06	5.25E-07	4.59E-06	8.66E-06	5.16E-07	4.40E-06	8.40E-06
2,928	5.90E-07	5.01E-06	9.81E-06	5.72E-07	4.98E-06	9.56E-06	5.58E-07	4.96E-06	9.28E-06	5.25E-07	4.58E-06	8.66E-06	5.15E-07	4.39E-06	8.40E-06
2,929	5.89E-07	5.01E-06	9.80E-06	5.72E-07	4.98E-06	9.55E-06	5.58E-07	4.96E-06	9.27E-06	5.25E-07	4.58E-06	8.66E-06	5.15E-07	4.39E-06	8.40E-06
2,930	5.89E-07	5.01E-06	9.80E-06	5.71E-07	4.97E-06	9.55E-06	5.57E-07	4.96E-06	9.27E-06	5.25E-07	4.58E-06	8.65E-06	5.15E-07	4.39E-06	8.40E-06
2,931	5.89E-07	5.01E-06	9.79E-06	5.71E-07	4.97E-06	9.54E-06	5.57E-07	4.95E-06	9.27E-06	5.24E-07	4.58E-06	8.65E-06	5.14E-07	4.38E-06	8.40E-06
2,932	5.88E-07	5.01E-06	9.79E-06	5.71E-07	4.97E-06	9.54E-06	5.57E-07	4.95E-06	9.27E-06	5.24E-07	4.58E-06	8.65E-06	5.14E-07	4.38E-06	8.39E-06
2,933	5.88E-07	5.01E-06	9.79E-06	5.71E-07	4.97E-06	9.54E-06	5.57E-07	4.95E-06	9.26E-06	5.24E-07	4.58E-06	8.65E-06	5.14E-07	4.38E-06	8.39E-06
2,934	5.88E-07	5.00E-06	9.79E-06	5.71E-07	4.97E-06	9.53E-06	5.57E-07	4.95E-06	9.26E-06	5.24E-07	4.57E-06	8.65E-06	5.14E-07	4.38E-06	8.39E-06
2,935	5.88E-07	5.00E-06	9.78E-06	5.71E-07	4.96E-06	9.53E-06	5.56E-07	4.95E-06	9.25E-06	5.24E-07	4.57E-06	8.63E-06	5.14E-07	4.38E-06	8.39E-06
2,936	5.88E-07	5.00E-06	9.78E-06	5.71E-07	4.96E-06	9.53E-06	5.56E-07	4.95E-06	9.25E-06	5.24E-07	4.57E-06	8.63E-06	5.14E-07	4.38E-06	8.39E-06
2,937	5.88E-07	5.00E-06	9.78E-06	5.70E-07	4.95E-06	9.53E-06	5.56E-07	4.95E-06	9.25E-06	5.24E-07	4.57E-06	8.63E-06	5.14E-07	4.38E-06	8.38E-06
2,938	5.88E-07	5.00E-06	9.77E-06	5.70E-07	4.95E-06	9.52E-06	5.56E-07	4.95E-06	9.24E-06	5.23E-07	4.57E-06	8.63E-06	5.14E-07	4.38E-06	8.38E-06
2,939	5.87E-07	5.00E-06	9.77E-06	5.70E-07	4.95E-06	9.52E-06	5.56E-07	4.95E-06	9.24E-06	5.23E-07	4.57E-06	8.62E-06	5.13E-07	4.38E-06	8.38E-06
2,940	5.87E-07	4.99E-06	9.76E-06	5.70E-07	4.95E-06	9.52E-06	5.56E-07	4.95E-06	9.24E-06	5.23E-07	4.57E-06	8.62E-06	5.13E-07	4.38E-06	8.38E-06
2,941	5.87E-07	4.99E-06	9.76E-06	5.70E-07	4.95E-06	9.51E-06	5.56E-07	4.95E-06	9.24E-06	5.23E-07	4.57E-06	8.62E-06	5.13E-07	4.38E-06	8.38E-06
2,942	5.87E-07	4.99E-06	9.76E-06	5.70E-07	4.94E-06	9.51E-06	5.55E-07	4.95E-06	9.23E-06	5.23E-07	4.57E-06	8.61E-06	5.13E-07	4.37E-06	8.38E-06
2,943	5.87E-07	4.99E-06	9.75E-06	5.70E-07	4.94E-06	9.51E-06	5.55E-07	4.94E-06	9.23E-06	5.23E-07	4.56E-06	8.61E-06	5.12E-07	4.37E-06	8.38E-06
2,944	5.87E-07	4.99E-06	9.75E-06	5.69E-07	4.94E-06	9.49E-06	5.55E-07	4.94E-06	9.23E-06	5.22E-07	4.56E-06	8.61E-06	5.12E-07	4.37E-06	8.37E-06
2,945	5.87E-07	4.99E-06	9.75E-06	5.69E-07	4.94E-06	9.49E-06	5.55E-07	4.94E-06	9.22E-06	5.22E-07	4.56E-06	8.60E-06	5.12E-07	4.37E-06	8.36E-06
2,946	5.87E-07	4.98E-06	9.74E-06	5.69E-07	4.94E-06	9.47E-06	5.55E-07	4.94E-06	9.22E-06	5.22E-07	4.56E-06	8.60E-06	5.12E-07	4.36E-06	8.36E-06
2,947	5.87E-07	4.98E-06	9.74E-06	5.69E-07	4.93E-06	9.47E-06	5.55E-07	4.94E-06	9.21E-06	5.22E-07	4.56E-06	8.60E-06	5.12E-07	4.36E-06	8.36E-06
2,948	5.87E-07	4.98E-06	9.73E-06	5.69E-07	4.93E-06	9.46E-06	5.55E-07	4.94E-06	9.21E-06	5.22E-07	4.56E-06	8.60E-06	5.12E-07	4.36E-06	8.35E-06
2,949	5.87E-07	4.98E-06	9.73E-06	5.68E-07	4.93E-06	9.46E-06	5.55E-07	4.94E-06	9.21E-06	5.22E-07	4.56E-06	8.60E-06	5.12E-07	4.36E-06	8.35E-06
2,950	5.87E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,954	5.86E-07	4.97E-06	9.71E-06	5.67E-07	4.92E-06	9.45E-06	5.53E-07	4.94E-06	9.20E-06	5.21E-07	4.55E-06	8.59E-06	5.11E-07	4.36E-06	8.33E-06
2,955	5.85E-07	4.97E-06	9.70E-06	5.67E-07	4.92E-06	9.45E-06	5.53E-07	4.93E-06	9.20E-06	5.21E-07	4.55E-06	8.58E-06	5.11E-07	4.35E-06	8.33E-06
2,956	5.85E-07	4.97E-06	9.70E-06	5.67E-07	4.92E-06	9.45E-06	5.53E-07	4.93E-06	9.19E-06	5.21E-07	4.55E-06	8.58E-06	5.11E-07	4.35E-06	8.33E-06
2,957	5.84E-07	4.97E-06	9.69E-06	5.67E-07	4.92E-06	9.44E-06	5.53E-07	4.93E-06	9.19E-06	5.20E-07	4.55E-06	8.56E-06	5.10E-07	4.35E-06	8.33E-06
2,958	5.84E-07	4.96E-06	9.69E-06	5.67E-07	4.92E-06	9.44E-06	5.53E-07	4.93E-06	9.19E-06	5.20E-07	4.54E-06	8.56E-06	5.10E-07	4.35E-06	8.33E-06
2,959	5.84E-07	4.96E-06	9.69E-06	5.67E-07	4.92E-06	9.44E-06	5.52E-07	4.93E-06	9.19E-06	5.20E-07	4.54E-06	8.56E-06	5.10E-07	4.35E-06	8.33E-06
2,960	5.84E-07	4.96E-06	9.69E-06	5.67E-07	4.92E-06	9.44E-06	5.52E-07	4.93E-06	9.19E-06	5.20E-07	4.54E-06	8.56E-06	5.10E-07	4.35E-06	8.32E-06
2,961	5.84E-07	4.96E-06	9.69E-06	5.67E-07	4.92E-06	9.44E-06	5.52E-07	4.92E-06	9.19E-06	5.20E-07	4.54E-06	8.54E-06	5.10E-07	4.35E-06	8.32E-06
2,962	5.84E-07	4.96E-06	9.68E-06	5.66E-07	4.92E-06	9.43E-06	5.52E-07	4.92E-06	9.18E-06	5.20E-07	4.54E-06	8.54E-06	5.10E-07	4.35E-06	8.32E-06
2,963	5.84E-07	4.96E-06	9.68E-06	5.66E-07	4.92E-06	9.42E-06	5.52E-07	4.92E-06	9.18E-06	5.19E-07	4.54E-06	8.53E-06	5.10E-07	4.35E-06	8.32E-06
2,964	5.84E-07	4.96E-06	9.67E-06	5.66E-07	4.92E-06	9.42E-06	5.52E-07	4.92E-06	9.18E-06	5.19E-07	4.54E-06	8.53E-06	5.09E-07	4.35E-06	8.31E-06
2,965	5.83E-07	4.96E-06	9.67E-06	5.66E-07	4.91E-06	9.42E-06	5.52E-07	4.92E-06	9.18E-06	5.19E-07	4.54E-06	8.52E-06	5.09E-07	4.34E-06	8.30E-06
2,966	5.83E-07	4.95E-06	9.67E-06	5.66E-07	4.91E-06	9.42E-06	5.52E-07	4.91E-06	9.17E-06	5.19E-07	4.54E-06	8.52E-06	5.09E-07	4.34E-06	8.30E-06
2,967	5.83E-07	4.95E-06	9.66E-06	5.66E-07	4.91E-06	9.42E-06	5.51E-07	4.91E-06	9.17E-06	5.19E-07	4.54E-06	8.52E-06	5.09E-07	4.34E-06	8.30E-06
2,968	5.82E-07	4.95E-06	9.66E-06	5.66E-07	4.91E-06	9.42E-06	5.51E-07	4.91E-06	9.17E-06	5.19E-07	4.53E-06	8.52E-06	5.09E-07	4.34E-06	8.29E-06
2,969	5.82E-07	4.95E-06	9.66E-06	5.65E-07	4.91E-06	9.41E-06	5.51E-07	4.91E-06	9.17E-06	5.18E-07	4.53E-06	8.52E-06	5.09E-07	4.34E-06	8.29E-06
2,970	5.82E-07	4.95E-06	9.65E-06	5.65E-07	4.90E-06	9.41E-06	5.51E-07	4.91E-06	9.16E-06	5.18E-07	4.53E-06	8.52E-06	5.08E-07	4.33E-06	8.29E-06
2,971	5.82E-07	4.95E-06	9.64E-06	5.64E-07	4.90E-06	9.40E-06	5.50E-07	4.91E-06	9.16E-06	5.18E-07	4.53E-06	8.51E-06	5.08E-07	4.33E-06	8.28E-06
2,972	5.82E-07	4.95E-06	9.64E-06	5.64E-07	4.90E-06	9.40E-06	5.50E-07	4.91E-06	9.15E-06	5.18E-07	4.53E-06	8.51E-06	5.08E-07	4.33E-06	8.27E-06
2,973	5.82E-07	4.94E-06	9.63E-06	5.64E-07	4.90E-06	9.40E-06	5.50E-07	4.90E-06	9.15E-06	5.18E-07	4.53E-06	8.51E-06	5.08E-07	4.33E-06	8.27E-06
2,974	5.81E-07	4.94E-06	9.63E-06	5.64E-07	4.90E-06	9.40E-06	5.50E-07	4.90E-06	9.14E-06	5.17E-07	4.52E-06	8.51E-06	5.08E-07	4.33E-06	8.26E-06
2,975	5.81E-07	4.94E-06	9.63E-06	5.64E-07	4.90E-06	9.40E-06	5.49E-07	4.90E-06	9.14E-06	5.17E-07	4.52E-06	8.51E-06	5.08E-07	4.32E-06	8.25E-06
2,976	5.81E-07	4.93E-06	9.63E-06	5.64E-07	4.90E-06	9.40E-06	5.49E-07	4.90E-06	9.14E-06	5.17E-07	4.52E-06	8.50E-06	5.07E-07	4.32E-06	8.25E-06
2,977	5.81E-07	4.93E-06	9.63E-06	5.64E-07	4.89E-06	9.40E-06	5.49E-07	4.90E-06	9.13E-06	5.17E-07	4.52E-06	8.50E-06	5.07E-07	4.32E-06	8.24E-06
2,978	5.81E-07	4.93E-06	9.62E-06	5.64E-07	4.89E-06	9.40E-06	5.49E-07	4.90E-06	9.13E-06	5.17E-07	4.52E-06	8.49E-06	5.07E-07	4.32E-06	8.24E-06
2,979	5.81E-07	4.93E-06	9.62E-06	5.64E-07	4.89E-06	9.40E-06	5.49E-07	4.89E-06	9.13E-06	5.17E-07	4.52E-06	8.49E-06	5.06E-07	4.32E-06	8.23E-06
2,980	5.80E-07	4.93E-06	9.62E-06	5.64E-07	4.89E-06	9.39E-06	5.49E-07	4.88E-06	9.13E-06	5.16E-07	4.52E-06	8.49E-06	5.06E-07	4.32E-06	8.23E-06
2,981	5.80E-07	4.93E-06	9.61E-06	5.64E-07	4.89E-06	9.39E-06	5.48E-07	4.88E-06	9.13E-06	5.16E-07	4.52E-06	8.48E-06	5.05E-07	4.32E-06	8.23E-06
2,982	5.80E-07	4.92E-06	9.61E-06	5.63E-07	4.89E-06	9.39E-06	5.48E-07	4.88E-06	9.12E-06	5.16E-07	4.51E-06	8.48E-06	5.05E-07	4.32E-06	8.22E-06
2,983	5.80E-07	4.92E-06	9.61E-06	5.63E-07	4.88E-06	9.39E-06	5.48E-07	4.88E-06	9.12E-06	5.16E-07	4.51E-06	8.47E-06	5.05E-07	4.31E-06	8.22E-06
2,984	5.80E-07	4.92E-06	9.60E-06	5.63E-07	4.88E-06	9.38E-06	5.48E-07	4.88E-06	9.12E-06	5.16E-07	4.51E-06	8.47E-06	5.05E-07	4.31E-06	8.22E-06
2,985	5.79E-07	4.92E-06	9.60E-06	5.63E-07	4.88E-06	9.38E-06	5.48E-07	4.88E-06	9.12E-06	5.16E-07	4.51E-06	8.47E-06	5.05E-07	4.31E-06	8.22E-06
2,986	5.79E-07	4.92E-06	9.59E-06	5.63E-07	4.88E-06	9.38E-06	5.48E-07	4.87E-06	9.12E-06	5.16E-07	4.51E-06	8.47E-06	5.05E-07	4.31E-06	8.22E-06
2,987	5.79E-07	4.92E-06	9.59E-06	5.63E-07	4.88E-06	9.38E-06	5.47E-07	4.87E-06	9.11E-06	5.16E-07	4.50E-06	8.46E-06	5.05E-07	4.31E-06	8.22E-06
2,988	5.79E-07	4.92E-06	9.59E-06	5.63E-07	4.88E-06	9.37E-06	5.47E-07	4.87E-06	9.11E-06	5.15E-07	4.50E-06	8.46E-06	5.05E-07	4.31E-06	8.22E-06
2,989	5.79E-07	4.92E-06	9.59E-06	5.63E-07	4.87E-06	9.37E-06	5.47E-07	4.87E-06	9.11E-06	5.15E-07	4.50E-06	8.45E-06	5.05E-07	4.31E-06	8.21E-06
2,990	5.78E-07	4.92E-06	9.59E-06	5.62E-07	4.87E-06	9.37E-06	5.47E-07	4.86E-06	9.11E-06	5.15E-07	4.49E-06	8.45E-06	5.05E-07	4.31E-06	8.21E-06
2,991	5.78E-07	4.92E-06	9.58E-06	5.62E-07	4.87E-06	9.37E-06	5.47E-07	4.86E-06	9.11E-06	5.15E-07	4.49E-06	8.45E-06	5.04E-07	4.31E-06	8.20E-06
2,992	5.77E-07	4.91E-06	9.58E-06	5.62E-07	4.87E-06	9.36E-06	5.47E-07	4.86E-06	9.11E-06	5.15E-07	4.49E-06	8.44E-06	5.04E-07	4.31E-06	8.20E-06
2,993	5.77E-07	4.91E-06	9.58E-06	5.62E-07	4.87E-06	9.36E-06	5.46E-07	4.86E-06	9.10E-06	5.15E-07	4.49E-06	8.44E-06	5.04E-07	4.31E-06	8.20E-06
2,994	5.77E-07	4.91E-06	9.58E-06	5.61E-07	4.87E-06	9.36E-06	5.46E-07	4.86E-06	9.10E-06	5.14E-07	4.49E-06	8.44E-06	5.04E-07	4.31E-06	8.20E-06
2,995	5.77E-07	4.91E-06	9.56E-06	5.61E-07	4.87E-06	9.36E-06	5.46E-07	4.86E-06	9.10E-06	5.14E-07	4.49E-06	8.44E-06	5.04E-07	4.30E-06	8.20E-06
2,996	5.76E-07	4.91E-06	9.56E-06	5.61E-07	4.87E-06	9.36E-06	5.46E-07	4.86E-06	9.10E-06	5.14E-07	4.48E-06	8.43E-06	5.04E-07	4.30E-06	8.20E-06
2,997	5.76E-07	4.90E-06	9.56E-06	5.61E-07	4.86E-06	9.35E-06	5.46E-07	4.86E-06	9.09E-06	5.14E-07	4.48E-06	8.43E-06	5.04E-07	4.30E-06	8.19E-06
2,998	5.76E-07	4.90E-06	9.55E-06	5.61E-07	4.86E-06	9.35E-06	5.46E-07	4.86E-06	9.08E-06	5.14E-07	4.48E-06	8.43E-06	5.04E-07	4.30E-06	8.19E-06
2,999	5.76E-07	4.90E-06	9.55E-06	5.61E-07	4.86E-06	9.35E-06	5.46E-07	4.85E-06	9.08E-06	5.14E-07	4.48E-06	8.43E-06	5.03E-07	4.30E-06	8.19E-06
3,000	5.76E-07	4.90E-06	9.55E-06	5.61E-07	4.86E-06	9.35E-06	5.46E-07	4.85E-06	9.08E-06	5.14E-07	4.48E-06	8.42E-06	5.03E-07	4.30E-06	8.19E-06
3,001	5.75E-07	4.90E-06	9.55E-06	5.61E-07	4.86E-06	9.35E-06	5.45E-07	4.85E-06	9.08E-06	5.14E-07	4.48E-06	8.42E-06	5.03E-07	4.30E-06	8.18E-06
3,002	5.75E-07	4.89E-06	9.54E-06	5.60E-07	4.86E-06	9.35E-06	5.45E-07	4.85E-06	9.08E-06	5.14E-07	4.48E-06	8.42E-06	5.03E-07	4.29E-06	8.18E-06
3,003	5.75E-07	4.89E-06	9.54E-06	5.60E-07	4.85E-06	9.35E-06	5.45E-07	4.85E-06	9.07E-06	5.13E-07	4.47E-06	8.41E-06	5.03E-07	4.29E-06	8.18E-06
3,004	5.74E-07	4.89E-06	9.54E-06	5.60E-07	4.85E-06	9.34E-06	5.45E-07	4.85E-06	9.07E-06	5.13E-07	4.47E-06	8.41E-06	5.02E-07	4.29E-06	8.18E-06
3,005	5.74E-07	4.89E-06	9.54E-06	5.60E-07	4.85E-06	9.34E-06	5.44E-07	4.85E-06	9.07E-06	5.13E-07	4.47E-06	8.41E-06	5.02E-07	4.29E-06	8.18E-06
3,006	5.74E-07	4.89E-06	9.54E-06	5.60E-07	4.85E-06	9.33E-06	5.44E-07	4.85E-06	9.07E-06	5.13E-07	4.47E-06	8.40E-06	5.02E-07	4.29E-06	8.17E-06
3,007	5.73E-07	4.88E-06	9.53E-06	5.60E-07	4.85E-06	9.33E-06	5.44E-07	4.85E-06	9.07E-06	5.13E-07	4.47E-06	8.40E-06	5.02E-07	4.29E-06	8.17E-06
3,008	5.73E-07	4.88E-06	9.53E-06	5.60E-07	4.85E-06	9.33E-06	5.44E-07	4.84E-06	9.05E-06	5.13E-07	4.47E-06	8.40E-06	5.02E-07	4.28E-06	8.17E-06
3,009	5.73E-07	4.88E-06	9.53E-06	5.60E-07	4.84E-06	9.32E-06	5.44E-07	4.84E-06	9.05E-06	5.12E-07	4.46E-06	8.40E-06	5.02E-07	4.28E-06	8.16E-06
3,010	5.73E-07	4.88E-06	9.53E-06	5.60E-07	4.84E-06	9.32E-06	5.44E-07	4.84E-06	9.05E-06	5.12E-07	4.46E-06	8.40E-06	5.02E-07	4.28E-06	8.16E-06
3,011	5.73E-07	4.88E-06	9.53E-06	5.59E-07	4.84E-06	9.31E-06	5.44E-07	4.84E-06	9.04E-06	5.12E-07	4.46E-06	8.40E-06	5.02E-07	4.28E-06	8.16E-06
3,012	5.72E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,016	5.72E-07	4.87E-06	9.51E-06	5.59E-07	4.83E-06	9.30E-06	5.43E-07	4.83E-06	9.04E-06	5.12E-07	4.45E-06	8.39E-06	5.01E-07	4.27E-06	8.15E-06
3,017	5.71E-07	4.87E-06	9.51E-06	5.58E-07	4.83E-06	9.30E-06	5.43E-07	4.83E-06	9.03E-06	5.12E-07	4.45E-06	8.38E-06	5.01E-07	4.27E-06	8.15E-06
3,018	5.71E-07	4.87E-06	9.51E-06	5.58E-07	4.83E-06	9.30E-06	5.43E-07	4.83E-06	9.03E-06	5.12E-07	4.45E-06	8.38E-06	5.01E-07	4.27E-06	8.15E-06
3,019	5.71E-07	4.87E-06	9.50E-06	5.58E-07	4.83E-06	9.30E-06	5.43E-07	4.83E-06	9.02E-06	5.12E-07	4.45E-06	8.37E-06	5.00E-07	4.27E-06	8.15E-06
3,020	5.71E-07	4.87E-06	9.50E-06	5.58E-07	4.82E-06	9.29E-06	5.43E-07	4.83E-06	9.02E-06	5.11E-07	4.45E-06	8.37E-06	5.00E-07	4.27E-06	8.14E-06
3,021	5.71E-07	4.86E-06	9.50E-06	5.58E-07	4.82E-06	9.29E-06	5.42E-07	4.83E-06	9.02E-06	5.11E-07	4.44E-06	8.37E-06	5.00E-07	4.27E-06	8.14E-06
3,022	5.70E-07	4.86E-06	9.50E-06	5.58E-07	4.82E-06	9.29E-06	5.42E-07	4.83E-06	9.02E-06	5.11E-07	4.44E-06	8.37E-06	4.99E-07	4.27E-06	8.14E-06
3,023	5.70E-07	4.86E-06	9.50E-06	5.58E-07	4.81E-06	9.28E-06	5.42E-07	4.82E-06	9.02E-06	5.11E-07	4.44E-06	8.36E-06	4.99E-07	4.27E-06	8.13E-06
3,024	5.70E-07	4.86E-06	9.50E-06	5.58E-07	4.81E-06	9.28E-06	5.42E-07	4.82E-06	9.02E-06	5.11E-07	4.44E-06	8.36E-06	4.99E-07	4.27E-06	8.13E-06
3,025	5.70E-07	4.86E-06	9.49E-06	5.57E-07	4.81E-06	9.28E-06	5.41E-07	4.82E-06	9.01E-06	5.10E-07	4.44E-06	8.36E-06	4.99E-07	4.27E-06	8.12E-06
3,026	5.69E-07	4.86E-06	9.49E-06	5.57E-07	4.81E-06	9.28E-06	5.41E-07	4.82E-06	9.01E-06	5.10E-07	4.44E-06	8.36E-06	4.99E-07	4.27E-06	8.12E-06
3,027	5.69E-07	4.85E-06	9.48E-06	5.56E-07	4.81E-06	9.27E-06	5.41E-07	4.82E-06	9.01E-06	5.10E-07	4.43E-06	8.36E-06	4.99E-07	4.26E-06	8.12E-06
3,028	5.69E-07	4.85E-06	9.48E-06	5.56E-07	4.81E-06	9.27E-06	5.41E-07	4.81E-06	9.00E-06	5.09E-07	4.43E-06	8.36E-06	4.99E-07	4.26E-06	8.11E-06
3,029	5.69E-07	4.84E-06	9.48E-06	5.56E-07	4.81E-06	9.27E-06	5.41E-07	4.81E-06	9.00E-06	5.09E-07	4.43E-06	8.35E-06	4.99E-07	4.26E-06	8.11E-06
3,030	5.68E-07	4.84E-06	9.48E-06	5.56E-07	4.81E-06	9.27E-06	5.40E-07	4.81E-06	9.00E-06	5.09E-07	4.43E-06	8.35E-06	4.99E-07	4.26E-06	8.11E-06
3,031	5.68E-07	4.84E-06	9.48E-06	5.56E-07	4.80E-06	9.27E-06	5.40E-07	4.81E-06	8.99E-06	5.09E-07	4.42E-06	8.35E-06	4.99E-07	4.26E-06	8.11E-06
3,032	5.68E-07	4.84E-06	9.47E-06	5.56E-07	4.80E-06	9.25E-06	5.40E-07	4.81E-06	8.99E-06	5.09E-07	4.42E-06	8.35E-06	4.98E-07	4.26E-06	8.10E-06
3,033	5.67E-07	4.84E-06	9.47E-06	5.56E-07	4.80E-06	9.25E-06	5.40E-07	4.80E-06	8.99E-06	5.09E-07	4.42E-06	8.35E-06	4.98E-07	4.26E-06	8.10E-06
3,034	5.67E-07	4.84E-06	9.47E-06	5.55E-07	4.80E-06	9.25E-06	5.40E-07	4.80E-06	8.99E-06	5.09E-07	4.42E-06	8.35E-06	4.98E-07	4.25E-06	8.09E-06
3,035	5.67E-07	4.84E-06	9.47E-06	5.55E-07	4.80E-06	9.25E-06	5.40E-07	4.80E-06	8.98E-06	5.08E-07	4.42E-06	8.34E-06	4.98E-07	4.25E-06	8.09E-06
3,036	5.67E-07	4.83E-06	9.46E-06	5.55E-07	4.80E-06	9.25E-06	5.40E-07	4.80E-06	8.98E-06	5.08E-07	4.42E-06	8.34E-06	4.98E-07	4.25E-06	8.09E-06
3,037	5.67E-07	4.83E-06	9.46E-06	5.55E-07	4.80E-06	9.25E-06	5.40E-07	4.80E-06	8.98E-06	5.08E-07	4.41E-06	8.34E-06	4.98E-07	4.25E-06	8.09E-06
3,038	5.67E-07	4.83E-06	9.46E-06	5.55E-07	4.79E-06	9.25E-06	5.40E-07	4.80E-06	8.98E-06	5.08E-07	4.41E-06	8.34E-06	4.98E-07	4.24E-06	8.09E-06
3,039	5.67E-07	4.83E-06	9.45E-06	5.55E-07	4.79E-06	9.25E-06	5.40E-07	4.79E-06	8.97E-06	5.07E-07	4.41E-06	8.34E-06	4.98E-07	4.24E-06	8.09E-06
3,040	5.67E-07	4.83E-06	9.45E-06	5.55E-07	4.79E-06	9.25E-06	5.40E-07	4.79E-06	8.97E-06	5.07E-07	4.41E-06	8.34E-06	4.97E-07	4.24E-06	8.08E-06
3,041	5.67E-07	4.83E-06	9.44E-06	5.54E-07	4.79E-06	9.24E-06	5.40E-07	4.79E-06	8.96E-06	5.07E-07	4.41E-06	8.33E-06	4.97E-07	4.24E-06	8.08E-06
3,042	5.66E-07	4.82E-06	9.44E-06	5.54E-07	4.79E-06	9.24E-06	5.40E-07	4.79E-06	8.96E-06	5.07E-07	4.41E-06	8.33E-06	4.97E-07	4.24E-06	8.07E-06
3,043	5.65E-07	4.82E-06	9.44E-06	5.54E-07	4.79E-06	9.24E-06	5.39E-07	4.78E-06	8.96E-06	5.07E-07	4.41E-06	8.33E-06	4.97E-07	4.24E-06	8.07E-06
3,044	5.65E-07	4.82E-06	9.44E-06	5.54E-07	4.78E-06	9.24E-06	5.39E-07	4.78E-06	8.96E-06	5.07E-07	4.41E-06	8.33E-06	4.97E-07	4.23E-06	8.07E-06
3,045	5.65E-07	4.82E-06	9.43E-06	5.54E-07	4.78E-06	9.24E-06	5.39E-07	4.78E-06	8.96E-06	5.07E-07	4.40E-06	8.32E-06	4.97E-07	4.23E-06	8.07E-06
3,046	5.65E-07	4.82E-06	9.43E-06	5.54E-07	4.78E-06	9.24E-06	5.39E-07	4.78E-06	8.96E-06	5.06E-07	4.40E-06	8.31E-06	4.97E-07	4.23E-06	8.07E-06
3,047	5.65E-07	4.81E-06	9.43E-06	5.54E-07	4.78E-06	9.23E-06	5.39E-07	4.78E-06	8.96E-06	5.06E-07	4.40E-06	8.31E-06	4.97E-07	4.23E-06	8.06E-06
3,048	5.65E-07	4.81E-06	9.43E-06	5.53E-07	4.78E-06	9.23E-06	5.39E-07	4.78E-06	8.96E-06	5.06E-07	4.40E-06	8.30E-06	4.96E-07	4.23E-06	8.06E-06
3,049	5.65E-07	4.81E-06	9.43E-06	5.53E-07	4.77E-06	9.23E-06	5.39E-07	4.78E-06	8.96E-06	5.06E-07	4.40E-06	8.30E-06	4.96E-07	4.23E-06	8.06E-06
3,050	5.65E-07	4.80E-06	9.42E-06	5.53E-07	4.77E-06	9.23E-06	5.39E-07	4.77E-06	8.96E-06	5.06E-07	4.40E-06	8.30E-06	4.96E-07	4.23E-06	8.06E-06
3,051	5.65E-07	4.80E-06	9.42E-06	5.53E-07	4.77E-06	9.23E-06	5.39E-07	4.77E-06	8.96E-06	5.05E-07	4.40E-06	8.29E-06	4.96E-07	4.23E-06	8.06E-06
3,052	5.65E-07	4.80E-06	9.41E-06	5.53E-07	4.77E-06	9.23E-06	5.38E-07	4.77E-06	8.95E-06	5.05E-07	4.39E-06	8.29E-06	4.96E-07	4.23E-06	8.05E-06
3,053	5.64E-07	4.80E-06	9.41E-06	5.53E-07	4.77E-06	9.22E-06	5.38E-07	4.77E-06	8.95E-06	5.05E-07	4.39E-06	8.29E-06	4.95E-07	4.22E-06	8.05E-06
3,054	5.64E-07	4.80E-06	9.41E-06	5.52E-07	4.76E-06	9.22E-06	5.38E-07	4.77E-06	8.95E-06	5.05E-07	4.39E-06	8.28E-06	4.95E-07	4.22E-06	8.05E-06
3,055	5.64E-07	4.80E-06	9.41E-06	5.52E-07	4.76E-06	9.22E-06	5.38E-07	4.76E-06	8.95E-06	5.05E-07	4.39E-06	8.27E-06	4.95E-07	4.22E-06	8.05E-06
3,056	5.64E-07	4.80E-06	9.40E-06	5.52E-07	4.76E-06	9.22E-06	5.38E-07	4.76E-06	8.95E-06	5.04E-07	4.39E-06	8.27E-06	4.95E-07	4.22E-06	8.04E-06
3,057	5.63E-07	4.80E-06	9.40E-06	5.52E-07	4.76E-06	9.22E-06	5.38E-07	4.76E-06	8.94E-06	5.04E-07	4.39E-06	8.26E-06	4.95E-07	4.22E-06	8.04E-06
3,058	5.63E-07	4.79E-06	9.40E-06	5.52E-07	4.76E-06	9.22E-06	5.38E-07	4.76E-06	8.94E-06	5.04E-07	4.39E-06	8.26E-06	4.95E-07	4.22E-06	8.04E-06
3,059	5.63E-07	4.79E-06	9.40E-06	5.52E-07	4.76E-06	9.21E-06	5.38E-07	4.75E-06	8.93E-06	5.04E-07	4.38E-06	8.26E-06	4.94E-07	4.22E-06	8.04E-06
3,060	5.63E-07	4.79E-06	9.40E-06	5.52E-07	4.76E-06	9.21E-06	5.37E-07	4.75E-06	8.92E-06	5.04E-07	4.38E-06	8.26E-06	4.94E-07	4.22E-06	8.04E-06
3,061	5.63E-07	4.79E-06	9.40E-06	5.51E-07	4.75E-06	9.21E-06	5.37E-07	4.75E-06	8.92E-06	5.04E-07	4.38E-06	8.25E-06	4.94E-07	4.22E-06	8.04E-06
3,062	5.62E-07	4.79E-06	9.39E-06	5.51E-07	4.75E-06	9.20E-06	5.37E-07	4.75E-06	8.92E-06	5.03E-07	4.38E-06	8.25E-06	4.94E-07	4.21E-06	8.03E-06
3,063	5.62E-07	4.79E-06	9.38E-06	5.51E-07	4.75E-06	9.19E-06	5.37E-07	4.75E-06	8.92E-06	5.03E-07	4.37E-06	8.24E-06	4.94E-07	4.21E-06	8.03E-06
3,064	5.62E-07	4.79E-06	9.37E-06	5.51E-07	4.75E-06	9.19E-06	5.37E-07	4.75E-06	8.92E-06	5.03E-07	4.37E-06	8.24E-06	4.94E-07	4.21E-06	8.02E-06
3,065	5.61E-07	4.79E-06	9.37E-06	5.51E-07	4.75E-06	9.19E-06	5.36E-07	4.74E-06	8.91E-06	5.03E-07	4.37E-06	8.24E-06	4.94E-07	4.21E-06	8.02E-06
3,066	5.61E-07	4.79E-06	9.36E-06	5.51E-07	4.74E-06	9.19E-06	5.36E-07	4.74E-06	8.91E-06	5.03E-07	4.37E-06	8.24E-06	4.93E-07	4.21E-06	8.02E-06
3,067	5.61E-07	4.79E-06	9.36E-06	5.50E-07	4.74E-06	9.19E-06	5.36E-07	4.74E-06	8.91E-06	5.03E-07	4.37E-06	8.23E-06	4.93E-07	4.21E-06	8.01E-06
3,068	5.61E-07	4.78E-06	9.36E-06	5.50E-07	4.74E-06	9.18E-06	5.34E-07	4.74E-06	8.91E-06	5.03E-07	4.37E-06	8.23E-06	4.93E-07	4.21E-06	8.01E-06
3,069	5.61E-07	4.78E-06	9.36E-06	5.50E-07	4.74E-06	9.18E-06	5.34E-07	4.74E-06	8.90E-06	5.03E-07	4.36E-06	8.23E-06	4.93E-07	4.21E-06	8.00E-06
3,070	5.61E-07	4.78E-06	9.36E-06	5.50E-07	4.73E-06	9.18E-06	5.34E-07	4.74E-06	8.90E-06	5.02E-07	4.36E-06	8.23E-06	4.93E-07	4.21E-06	8.00E-06
3,071	5.61E-07	4.78E-06	9.36E-06	5.50E-07	4.73E-06	9.17E-06	5.34E-07	4.74E-06	8.89E-06	5.02E-07	4.36E-06	8.22E-06	4.92E-07	4.20E-06	8.00E-06
3,072	5.61E-07	4.78E-06	9.35E-06	5.50E-07	4.72E-06	9.17E-06	5.34E-07	4.74E-06	8.89E-06	5.02E-07	4.36E-06	8.22E-06	4.92E-07	4.20E-06	8.00E-06
3,073	5.61E-07	4.78E-06	9.35E-06	5.50E-07	4.72E-06	9.17E-06	5.34E-07	4.73E-06	8.88E-06	5.02E-07	4.36E-06	8.22E-06	4.92E-07	4.20E-06	8.00E-06
3,074	5.61E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,078	5.60E-07	4.77E-06	9.34E-06	5.49E-07	4.71E-06	9.15E-06	5.32E-07	4.72E-06	8.88E-06	5.01E-07	4.36E-06	8.20E-06	4.91E-07	4.19E-06	7.99E-06
3,079	5.60E-07	4.77E-06	9.34E-06	5.49E-07	4.71E-06	9.15E-06	5.32E-07	4.72E-06	8.87E-06	5.01E-07	4.36E-06	8.20E-06	4.91E-07	4.19E-06	7.99E-06
3,080	5.60E-07	4.77E-06	9.33E-06	5.49E-07	4.71E-06	9.14E-06	5.32E-07	4.71E-06	8.87E-06	5.01E-07	4.35E-06	8.19E-06	4.91E-07	4.19E-06	7.99E-06
3,081	5.60E-07	4.77E-06	9.33E-06	5.48E-07	4.71E-06	9.14E-06	5.31E-07	4.71E-06	8.87E-06	5.01E-07	4.35E-06	8.19E-06	4.91E-07	4.18E-06	7.98E-06
3,082	5.60E-07	4.77E-06	9.33E-06	5.48E-07	4.71E-06	9.14E-06	5.31E-07	4.71E-06	8.87E-06	5.01E-07	4.35E-06	8.19E-06	4.91E-07	4.18E-06	7.97E-06
3,083	5.60E-07	4.76E-06	9.32E-06	5.48E-07	4.71E-06	9.13E-06	5.31E-07	4.71E-06	8.87E-06	5.00E-07	4.35E-06	8.19E-06	4.90E-07	4.18E-06	7.97E-06
3,084	5.59E-07	4.76E-06	9.31E-06	5.48E-07	4.70E-06	9.13E-06	5.31E-07	4.71E-06	8.87E-06	5.00E-07	4.35E-06	8.18E-06	4.90E-07	4.18E-06	7.97E-06
3,085	5.59E-07	4.76E-06	9.31E-06	5.48E-07	4.70E-06	9.13E-06	5.30E-07	4.71E-06	8.86E-06	5.00E-07	4.35E-06	8.18E-06	4.90E-07	4.18E-06	7.97E-06
3,086	5.59E-07	4.76E-06	9.31E-06	5.48E-07	4.70E-06	9.13E-06	5.30E-07	4.70E-06	8.86E-06	5.00E-07	4.34E-06	8.17E-06	4.90E-07	4.18E-06	7.97E-06
3,087	5.59E-07	4.76E-06	9.31E-06	5.48E-07	4.70E-06	9.13E-06	5.30E-07	4.70E-06	8.86E-06	5.00E-07	4.34E-06	8.17E-06	4.90E-07	4.18E-06	7.95E-06
3,088	5.58E-07	4.75E-06	9.31E-06	5.47E-07	4.70E-06	9.12E-06	5.30E-07	4.70E-06	8.85E-06	5.00E-07	4.34E-06	8.17E-06	4.90E-07	4.18E-06	7.95E-06
3,089	5.58E-07	4.75E-06	9.29E-06	5.47E-07	4.69E-06	9.12E-06	5.30E-07	4.69E-06	8.84E-06	5.00E-07	4.34E-06	8.17E-06	4.89E-07	4.18E-06	7.95E-06
3,090	5.58E-07	4.75E-06	9.29E-06	5.47E-07	4.69E-06	9.12E-06	5.30E-07	4.69E-06	8.84E-06	5.00E-07	4.34E-06	8.17E-06	4.89E-07	4.18E-06	7.94E-06
3,091	5.58E-07	4.75E-06	9.29E-06	5.47E-07	4.69E-06	9.12E-06	5.30E-07	4.69E-06	8.84E-06	5.00E-07	4.34E-06	8.17E-06	4.89E-07	4.18E-06	7.94E-06
3,092	5.58E-07	4.74E-06	9.28E-06	5.47E-07	4.69E-06	9.11E-06	5.30E-07	4.69E-06	8.84E-06	5.00E-07	4.33E-06	8.17E-06	4.89E-07	4.18E-06	7.94E-06
3,093	5.58E-07	4.74E-06	9.28E-06	5.47E-07	4.69E-06	9.10E-06	5.30E-07	4.69E-06	8.84E-06	4.99E-07	4.33E-06	8.16E-06	4.88E-07	4.17E-06	7.94E-06
3,094	5.57E-07	4.74E-06	9.28E-06	5.47E-07	4.67E-06	9.10E-06	5.30E-07	4.69E-06	8.84E-06	4.99E-07	4.33E-06	8.16E-06	4.88E-07	4.17E-06	7.93E-06
3,095	5.57E-07	4.74E-06	9.28E-06	5.47E-07	4.67E-06	9.10E-06	5.29E-07	4.69E-06	8.83E-06	4.99E-07	4.33E-06	8.16E-06	4.88E-07	4.17E-06	7.93E-06
3,096	5.57E-07	4.74E-06	9.27E-06	5.46E-07	4.66E-06	9.10E-06	5.29E-07	4.69E-06	8.83E-06	4.99E-07	4.33E-06	8.16E-06	4.88E-07	4.17E-06	7.93E-06
3,097	5.57E-07	4.74E-06	9.27E-06	5.46E-07	4.66E-06	9.10E-06	5.29E-07	4.69E-06	8.82E-06	4.99E-07	4.33E-06	8.16E-06	4.88E-07	4.17E-06	7.93E-06
3,098	5.56E-07	4.74E-06	9.26E-06	5.46E-07	4.66E-06	9.09E-06	5.29E-07	4.68E-06	8.82E-06	4.99E-07	4.33E-06	8.15E-06	4.88E-07	4.17E-06	7.93E-06
3,099	5.56E-07	4.74E-06	9.26E-06	5.46E-07	4.66E-06	9.09E-06	5.29E-07	4.68E-06	8.82E-06	4.98E-07	4.33E-06	8.14E-06	4.88E-07	4.16E-06	7.93E-06
3,100	5.56E-07	4.74E-06	9.25E-06	5.46E-07	4.66E-06	9.09E-06	5.28E-07	4.68E-06	8.82E-06	4.98E-07	4.33E-06	8.14E-06	4.88E-07	4.16E-06	7.92E-06
3,101	5.56E-07	4.74E-06	9.25E-06	5.46E-07	4.66E-06	9.09E-06	5.28E-07	4.68E-06	8.81E-06	4.98E-07	4.33E-06	8.14E-06	4.87E-07	4.16E-06	7.92E-06
3,102	5.56E-07	4.74E-06	9.25E-06	5.46E-07	4.66E-06	9.08E-06	5.28E-07	4.67E-06	8.81E-06	4.98E-07	4.32E-06	8.13E-06	4.87E-07	4.16E-06	7.92E-06
3,103	5.56E-07	4.73E-06	9.24E-06	5.45E-07	4.66E-06	9.08E-06	5.28E-07	4.67E-06	8.81E-06	4.98E-07	4.32E-06	8.13E-06	4.87E-07	4.16E-06	7.92E-06
3,104	5.56E-07	4.73E-06	9.23E-06	5.45E-07	4.66E-06	9.08E-06	5.28E-07	4.67E-06	8.81E-06	4.97E-07	4.32E-06	8.13E-06	4.87E-07	4.16E-06	7.92E-06
3,105	5.56E-07	4.73E-06	9.23E-06	5.45E-07	4.65E-06	9.08E-06	5.28E-07	4.67E-06	8.81E-06	4.97E-07	4.32E-06	8.13E-06	4.87E-07	4.16E-06	7.91E-06
3,106	5.56E-07	4.73E-06	9.23E-06	5.45E-07	4.65E-06	9.07E-06	5.27E-07	4.67E-06	8.81E-06	4.97E-07	4.32E-06	8.13E-06	4.87E-07	4.16E-06	7.91E-06
3,107	5.56E-07	4.73E-06	9.23E-06	5.45E-07	4.65E-06	9.07E-06	5.27E-07	4.67E-06	8.81E-06	4.97E-07	4.31E-06	8.13E-06	4.87E-07	4.15E-06	7.91E-06
3,108	5.55E-07	4.72E-06	9.23E-06	5.45E-07	4.65E-06	9.07E-06	5.27E-07	4.67E-06	8.81E-06	4.97E-07	4.31E-06	8.13E-06	4.87E-07	4.15E-06	7.91E-06
3,109	5.55E-07	4.72E-06	9.22E-06	5.45E-07	4.65E-06	9.06E-06	5.27E-07	4.66E-06	8.81E-06	4.97E-07	4.31E-06	8.12E-06	4.86E-07	4.15E-06	7.91E-06
3,110	5.55E-07	4.72E-06	9.22E-06	5.45E-07	4.65E-06	9.06E-06	5.26E-07	4.66E-06	8.80E-06	4.96E-07	4.31E-06	8.12E-06	4.86E-07	4.15E-06	7.90E-06
3,111	5.55E-07	4.72E-06	9.22E-06	5.45E-07	4.64E-06	9.06E-06	5.26E-07	4.66E-06	8.80E-06	4.96E-07	4.31E-06	8.12E-06	4.86E-07	4.14E-06	7.90E-06
3,112	5.54E-07	4.72E-06	9.22E-06	5.44E-07	4.64E-06	9.06E-06	5.26E-07	4.66E-06	8.80E-06	4.96E-07	4.30E-06	8.12E-06	4.86E-07	4.14E-06	7.90E-06
3,113	5.54E-07	4.72E-06	9.22E-06	5.44E-07	4.64E-06	9.06E-06	5.26E-07	4.66E-06	8.79E-06	4.96E-07	4.30E-06	8.12E-06	4.86E-07	4.14E-06	7.90E-06
3,114	5.54E-07	4.72E-06	9.22E-06	5.44E-07	4.64E-06	9.05E-06	5.26E-07	4.66E-06	8.79E-06	4.96E-07	4.30E-06	8.12E-06	4.86E-07	4.14E-06	7.90E-06
3,115	5.54E-07	4.72E-06	9.22E-06	5.44E-07	4.64E-06	9.05E-06	5.26E-07	4.65E-06	8.79E-06	4.95E-07	4.30E-06	8.12E-06	4.86E-07	4.14E-06	7.89E-06
3,116	5.54E-07	4.72E-06	9.21E-06	5.44E-07	4.64E-06	9.05E-06	5.26E-07	4.65E-06	8.79E-06	4.95E-07	4.30E-06	8.12E-06	4.85E-07	4.14E-06	7.89E-06
3,117	5.54E-07	4.71E-06	9.21E-06	5.44E-07	4.64E-06	9.05E-06	5.25E-07	4.65E-06	8.78E-06	4.95E-07	4.30E-06	8.12E-06	4.85E-07	4.14E-06	7.89E-06
3,118	5.53E-07	4.71E-06	9.21E-06	5.44E-07	4.64E-06	9.04E-06	5.25E-07	4.65E-06	8.78E-06	4.95E-07	4.30E-06	8.11E-06	4.85E-07	4.14E-06	7.88E-06
3,119	5.53E-07	4.71E-06	9.20E-06	5.44E-07	4.64E-06	9.04E-06	5.25E-07	4.65E-06	8.78E-06	4.95E-07	4.29E-06	8.11E-06	4.85E-07	4.14E-06	7.88E-06
3,120	5.53E-07	4.71E-06	9.20E-06	5.44E-07	4.63E-06	9.04E-06	5.25E-07	4.65E-06	8.78E-06	4.95E-07	4.29E-06	8.10E-06	4.84E-07	4.14E-06	7.88E-06
3,121	5.52E-07	4.70E-06	9.19E-06	5.43E-07	4.63E-06	9.04E-06	5.25E-07	4.65E-06	8.77E-06	4.95E-07	4.29E-06	8.10E-06	4.84E-07	4.13E-06	7.88E-06
3,122	5.52E-07	4.70E-06	9.19E-06	5.43E-07	4.63E-06	9.04E-06	5.24E-07	4.64E-06	8.77E-06	4.95E-07	4.29E-06	8.10E-06	4.84E-07	4.13E-06	7.87E-06
3,123	5.52E-07	4.70E-06	9.19E-06	5.43E-07	4.63E-06	9.03E-06	5.24E-07	4.64E-06	8.77E-06	4.95E-07	4.29E-06	8.10E-06	4.84E-07	4.13E-06	7.87E-06
3,124	5.52E-07	4.70E-06	9.19E-06	5.43E-07	4.63E-06	9.03E-06	5.24E-07	4.64E-06	8.77E-06	4.94E-07	4.28E-06	8.10E-06	4.84E-07	4.13E-06	7.87E-06
3,125	5.52E-07	4.70E-06	9.19E-06	5.43E-07	4.63E-06	9.03E-06	5.24E-07	4.64E-06	8.76E-06	4.94E-07	4.28E-06	8.10E-06	4.84E-07	4.13E-06	7.87E-06
3,126	5.52E-07	4.70E-06	9.18E-06	5.43E-07	4.62E-06	9.03E-06	5.24E-07	4.64E-06	8.76E-06	4.94E-07	4.28E-06	8.10E-06	4.83E-07	4.13E-06	7.86E-06
3,127	5.52E-07	4.70E-06	9.18E-06	5.42E-07	4.62E-06	9.02E-06	5.24E-07	4.64E-06	8.76E-06	4.94E-07	4.28E-06	8.09E-06	4.83E-07	4.12E-06	7.86E-06
3,128	5.51E-07	4.70E-06	9.18E-06	5.42E-07	4.62E-06	9.02E-06	5.24E-07	4.64E-06	8.75E-06	4.94E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.86E-06
3,129	5.51E-07	4.69E-06	9.17E-06	5.42E-07	4.62E-06	9.02E-06	5.24E-07	4.63E-06	8.74E-06	4.94E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.86E-06
3,130	5.50E-07	4.69E-06	9.16E-06	5.42E-07	4.62E-06	9.01E-06	5.24E-07	4.63E-06	8.74E-06	4.94E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.86E-06
3,131	5.50E-07	4.69E-06	9.15E-06	5.42E-07	4.62E-06	9.01E-06	5.24E-07	4.63E-06	8.74E-06	4.94E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.84E-06
3,132	5.50E-07	4.69E-06	9.15E-06	5.42E-07	4.62E-06	9.01E-06	5.23E-07	4.63E-06	8.74E-06	4.93E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.84E-06
3,133	5.50E-07	4.69E-06	9.15E-06	5.42E-07	4.62E-06	9.01E-06	5.23E-07	4.63E-06	8.74E-06	4.93E-07	4.27E-06	8.09E-06	4.83E-07	4.12E-06	7.84E-06
3,134	5.50E-07	4.69E-06	9.14E-06	5.42E-07	4.62E-06	9.01E-06	5.23E-07	4.63E-06	8.74E-06	4.93E-07	4.26E-06	8.08E-06	4.83E-07	4.12E-06	7.84E-06
3,135	5.50E-07	4.68E-06	9.14E-06	5.42E-07	4.61E-06	9.01E-06	5.23E-07	4.63E-06	8.73E-06	4.93E-07	4.26E-06	8.07E-06	4.83E-07	4.12E-06	7.84E-06
3,136	5.50E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,140	5.49E-07	4.67E-06	9.13E-06	5.41E-07	4.60E-06	8.99E-06	5.22E-07	4.62E-06	8.73E-06	4.92E-07	4.25E-06	8.06E-06	4.81E-07	4.11E-06	7.82E-06
3,141	5.49E-07	4.67E-06	9.13E-06	5.41E-07	4.60E-06	8.99E-06	5.22E-07	4.62E-06	8.73E-06	4.92E-07	4.25E-06	8.06E-06	4.81E-07	4.11E-06	7.82E-06
3,142	5.48E-07	4.67E-06	9.13E-06	5.41E-07	4.60E-06	8.99E-06	5.22E-07	4.62E-06	8.73E-06	4.92E-07	4.25E-06	8.06E-06	4.81E-07	4.11E-06	7.82E-06
3,143	5.48E-07	4.67E-06	9.12E-06	5.40E-07	4.60E-06	8.98E-06	5.22E-07	4.62E-06	8.73E-06	4.92E-07	4.25E-06	8.05E-06	4.81E-07	4.11E-06	7.82E-06
3,144	5.48E-07	4.66E-06	9.12E-06	5.40E-07	4.59E-06	8.98E-06	5.22E-07	4.61E-06	8.72E-06	4.92E-07	4.24E-06	8.05E-06	4.80E-07	4.11E-06	7.81E-06
3,145	5.48E-07	4.66E-06	9.12E-06	5.40E-07	4.59E-06	8.98E-06	5.21E-07	4.61E-06	8.72E-06	4.92E-07	4.24E-06	8.05E-06	4.80E-07	4.11E-06	7.81E-06
3,146	5.48E-07	4.66E-06	9.12E-06	5.40E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.72E-06	4.92E-07	4.24E-06	8.04E-06	4.80E-07	4.10E-06	7.81E-06
3,147	5.48E-07	4.66E-06	9.11E-06	5.40E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.72E-06	4.92E-07	4.24E-06	8.04E-06	4.80E-07	4.10E-06	7.81E-06
3,148	5.48E-07	4.65E-06	9.11E-06	5.40E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.72E-06	4.91E-07	4.24E-06	8.04E-06	4.80E-07	4.10E-06	7.81E-06
3,149	5.48E-07	4.65E-06	9.11E-06	5.39E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.71E-06	4.91E-07	4.24E-06	8.04E-06	4.80E-07	4.10E-06	7.81E-06
3,150	5.48E-07	4.65E-06	9.11E-06	5.39E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.71E-06	4.91E-07	4.24E-06	8.03E-06	4.80E-07	4.10E-06	7.80E-06
3,151	5.48E-07	4.65E-06	9.11E-06	5.39E-07	4.59E-06	8.97E-06	5.21E-07	4.61E-06	8.70E-06	4.91E-07	4.23E-06	8.02E-06	4.80E-07	4.10E-06	7.80E-06
3,152	5.48E-07	4.65E-06	9.11E-06	5.39E-07	4.58E-06	8.96E-06	5.21E-07	4.59E-06	8.70E-06	4.91E-07	4.23E-06	8.02E-06	4.80E-07	4.09E-06	7.80E-06
3,153	5.47E-07	4.65E-06	9.10E-06	5.39E-07	4.58E-06	8.96E-06	5.20E-07	4.59E-06	8.70E-06	4.91E-07	4.23E-06	8.02E-06	4.80E-07	4.09E-06	7.80E-06
3,154	5.47E-07	4.65E-06	9.10E-06	5.39E-07	4.58E-06	8.96E-06	5.20E-07	4.59E-06	8.70E-06	4.91E-07	4.23E-06	8.02E-06	4.80E-07	4.09E-06	7.80E-06
3,155	5.47E-07	4.64E-06	9.10E-06	5.39E-07	4.58E-06	8.95E-06	5.20E-07	4.59E-06	8.69E-06	4.91E-07	4.22E-06	8.02E-06	4.79E-07	4.09E-06	7.80E-06
3,156	5.47E-07	4.64E-06	9.09E-06	5.39E-07	4.58E-06	8.95E-06	5.20E-07	4.58E-06	8.69E-06	4.91E-07	4.22E-06	8.01E-06	4.79E-07	4.09E-06	7.79E-06
3,157	5.47E-07	4.64E-06	9.09E-06	5.39E-07	4.58E-06	8.95E-06	5.20E-07	4.58E-06	8.69E-06	4.91E-07	4.22E-06	8.01E-06	4.79E-07	4.09E-06	7.79E-06
3,158	5.46E-07	4.63E-06	9.09E-06	5.39E-07	4.58E-06	8.95E-06	5.20E-07	4.58E-06	8.68E-06	4.91E-07	4.22E-06	8.01E-06	4.79E-07	4.09E-06	7.79E-06
3,159	5.46E-07	4.63E-06	9.09E-06	5.39E-07	4.57E-06	8.95E-06	5.19E-07	4.58E-06	8.68E-06	4.90E-07	4.22E-06	8.01E-06	4.78E-07	4.09E-06	7.79E-06
3,160	5.46E-07	4.63E-06	9.08E-06	5.38E-07	4.57E-06	8.95E-06	5.19E-07	4.58E-06	8.68E-06	4.90E-07	4.22E-06	8.01E-06	4.78E-07	4.09E-06	7.79E-06
3,161	5.46E-07	4.63E-06	9.08E-06	5.38E-07	4.57E-06	8.95E-06	5.19E-07	4.58E-06	8.67E-06	4.90E-07	4.22E-06	8.01E-06	4.78E-07	4.09E-06	7.79E-06
3,162	5.46E-07	4.63E-06	9.07E-06	5.38E-07	4.57E-06	8.94E-06	5.19E-07	4.57E-06	8.67E-06	4.90E-07	4.22E-06	8.01E-06	4.78E-07	4.09E-06	7.79E-06
3,163	5.46E-07	4.63E-06	9.07E-06	5.38E-07	4.57E-06	8.94E-06	5.19E-07	4.57E-06	8.67E-06	4.90E-07	4.22E-06	8.01E-06	4.78E-07	4.08E-06	7.79E-06
3,164	5.45E-07	4.62E-06	9.07E-06	5.38E-07	4.57E-06	8.94E-06	5.19E-07	4.57E-06	8.66E-06	4.90E-07	4.21E-06	8.01E-06	4.78E-07	4.08E-06	7.78E-06
3,165	5.45E-07	4.62E-06	9.06E-06	5.38E-07	4.57E-06	8.93E-06	5.19E-07	4.57E-06	8.66E-06	4.90E-07	4.21E-06	8.00E-06	4.78E-07	4.08E-06	7.78E-06
3,166	5.45E-07	4.62E-06	9.06E-06	5.38E-07	4.57E-06	8.93E-06	5.19E-07	4.57E-06	8.66E-06	4.90E-07	4.21E-06	8.00E-06	4.78E-07	4.08E-06	7.77E-06
3,167	5.45E-07	4.62E-06	9.05E-06	5.37E-07	4.56E-06	8.93E-06	5.19E-07	4.57E-06	8.66E-06	4.89E-07	4.21E-06	8.00E-06	4.78E-07	4.08E-06	7.77E-06
3,168	5.45E-07	4.62E-06	9.05E-06	5.37E-07	4.56E-06	8.93E-06	5.18E-07	4.56E-06	8.66E-06	4.89E-07	4.21E-06	8.00E-06	4.78E-07	4.08E-06	7.77E-06
3,169	5.45E-07	4.61E-06	9.05E-06	5.37E-07	4.56E-06	8.93E-06	5.18E-07	4.56E-06	8.66E-06	4.89E-07	4.21E-06	8.00E-06	4.78E-07	4.08E-06	7.77E-06
3,170	5.44E-07	4.61E-06	9.05E-06	5.37E-07	4.56E-06	8.93E-06	5.18E-07	4.56E-06	8.66E-06	4.88E-07	4.20E-06	7.99E-06	4.77E-07	4.07E-06	7.76E-06
3,171	5.44E-07	4.61E-06	9.04E-06	5.37E-07	4.56E-06	8.92E-06	5.18E-07	4.56E-06	8.66E-06	4.88E-07	4.20E-06	7.99E-06	4.77E-07	4.07E-06	7.75E-06
3,172	5.44E-07	4.61E-06	9.04E-06	5.36E-07	4.56E-06	8.92E-06	5.18E-07	4.56E-06	8.66E-06	4.88E-07	4.20E-06	7.98E-06	4.77E-07	4.07E-06	7.75E-06
3,173	5.44E-07	4.61E-06	9.04E-06	5.36E-07	4.55E-06	8.92E-06	5.18E-07	4.56E-06	8.65E-06	4.88E-07	4.20E-06	7.98E-06	4.77E-07	4.07E-06	7.75E-06
3,174	5.43E-07	4.61E-06	9.02E-06	5.36E-07	4.55E-06	8.92E-06	5.18E-07	4.56E-06	8.65E-06	4.87E-07	4.20E-06	7.98E-06	4.77E-07	4.07E-06	7.74E-06
3,175	5.43E-07	4.61E-06	9.02E-06	5.36E-07	4.55E-06	8.92E-06	5.17E-07	4.56E-06	8.64E-06	4.87E-07	4.20E-06	7.98E-06	4.77E-07	4.07E-06	7.74E-06
3,176	5.43E-07	4.60E-06	9.01E-06	5.36E-07	4.55E-06	8.92E-06	5.17E-07	4.56E-06	8.64E-06	4.87E-07	4.20E-06	7.97E-06	4.76E-07	4.07E-06	7.74E-06
3,177	5.43E-07	4.60E-06	9.01E-06	5.36E-07	4.55E-06	8.91E-06	5.17E-07	4.56E-06	8.64E-06	4.87E-07	4.20E-06	7.97E-06	4.76E-07	4.06E-06	7.73E-06
3,178	5.43E-07	4.60E-06	9.01E-06	5.36E-07	4.55E-06	8.91E-06	5.17E-07	4.56E-06	8.64E-06	4.87E-07	4.20E-06	7.97E-06	4.76E-07	4.06E-06	7.73E-06
3,179	5.43E-07	4.60E-06	9.01E-06	5.35E-07	4.55E-06	8.90E-06	5.17E-07	4.56E-06	8.63E-06	4.86E-07	4.20E-06	7.97E-06	4.76E-07	4.06E-06	7.73E-06
3,180	5.42E-07	4.60E-06	9.00E-06	5.35E-07	4.55E-06	8.90E-06	5.17E-07	4.55E-06	8.63E-06	4.86E-07	4.19E-06	7.97E-06	4.76E-07	4.06E-06	7.72E-06
3,181	5.42E-07	4.59E-06	9.00E-06	5.35E-07	4.54E-06	8.89E-06	5.17E-07	4.55E-06	8.63E-06	4.86E-07	4.19E-06	7.97E-06	4.76E-07	4.05E-06	7.72E-06
3,182	5.42E-07	4.59E-06	8.99E-06	5.35E-07	4.54E-06	8.89E-06	5.17E-07	4.55E-06	8.63E-06	4.86E-07	4.19E-06	7.97E-06	4.76E-07	4.05E-06	7.72E-06
3,183	5.42E-07	4.59E-06	8.99E-06	5.35E-07	4.54E-06	8.89E-06	5.17E-07	4.55E-06	8.62E-06	4.85E-07	4.19E-06	7.97E-06	4.76E-07	4.05E-06	7.72E-06
3,184	5.42E-07	4.59E-06	8.99E-06	5.35E-07	4.54E-06	8.89E-06	5.17E-07	4.55E-06	8.62E-06	4.85E-07	4.19E-06	7.97E-06	4.75E-07	4.05E-06	7.71E-06
3,185	5.41E-07	4.59E-06	8.98E-06	5.35E-07	4.54E-06	8.89E-06	5.17E-07	4.55E-06	8.62E-06	4.84E-07	4.19E-06	7.97E-06	4.75E-07	4.05E-06	7.71E-06
3,186	5.41E-07	4.59E-06	8.98E-06	5.34E-07	4.54E-06	8.88E-06	5.16E-07	4.54E-06	8.62E-06	4.84E-07	4.19E-06	7.97E-06	4.75E-07	4.04E-06	7.71E-06
3,187	5.41E-07	4.59E-06	8.98E-06	5.34E-07	4.54E-06	8.88E-06	5.16E-07	4.54E-06	8.62E-06	4.84E-07	4.19E-06	7.97E-06	4.74E-07	4.04E-06	7.71E-06
3,188	5.41E-07	4.58E-06	8.97E-06	5.34E-07	4.54E-06	8.88E-06	5.16E-07	4.54E-06	8.62E-06	4.84E-07	4.19E-06	7.96E-06	4.74E-07	4.04E-06	7.70E-06
3,189	5.41E-07	4.58E-06	8.97E-06	5.34E-07	4.54E-06	8.87E-06	5.15E-07	4.54E-06	8.61E-06	4.84E-07	4.19E-06	7.96E-06	4.74E-07	4.04E-06	7.70E-06
3,190	5.41E-07	4.58E-06	8.97E-06	5.34E-07	4.53E-06	8.87E-06	5.15E-07	4.54E-06	8.61E-06	4.83E-07	4.19E-06	7.96E-06	4.74E-07	4.04E-06	7.70E-06
3,191	5.41E-07	4.58E-06	8.96E-06	5.33E-07	4.53E-06	8.87E-06	5.15E-07	4.54E-06	8.61E-06	4.83E-07	4.19E-06	7.96E-06	4.73E-07	4.04E-06	7.70E-06
3,192	5.40E-07	4.58E-06	8.96E-06	5.33E-07	4.53E-06	8.87E-06	5.15E-07	4.53E-06	8.61E-06	4.83E-07	4.19E-06	7.95E-06	4.73E-07	4.04E-06	7.70E-06
3,193	5.40E-07	4.57E-06	8.96E-06	5.33E-07	4.53E-06	8.87E-06	5.15E-07	4.53E-06	8.61E-06	4.83E-07	4.19E-06	7.95E-06	4.73E-07	4.03E-06	7.70E-06
3,194	5.40E-07	4.57E-06	8.96E-06	5.33E-07	4.52E-06	8.86E-06	5.15E-07	4.53E-06	8.60E-06	4.83E-07	4.19E-06	7.95E-06	4.72E-07	4.03E-06	7.69E-06
3,195	5.40E-07	4.57E-06	8.95E-06	5.33E-07	4.52E-06	8.86E-06	5.15E-07	4.53E-06	8.60E-06	4.83E-07	4.18E-06	7.95E-06	4.72E-07	4.03E-06	7.69E-06
3,196	5.40E-07	4.57E-06	8.95E-06	5.33E-07	4.52E-06	8.86E-06	5.15E-07	4.53E-06	8.60E-06	4.83E-07	4.18E-06	7.95E-06	4.72E-07	4.03E-06	7.69E-06
3,197	5.40E-07	4.57E-06	8.95E-06	5.31E-07	4.52E-06	8.86E-06	5.14E-07	4.53E-06	8.60E-06	4.82E-07	4.18E-06	7.95E-06	4.72E-07	4.03E-06	7.69E-06
3,198	5.40E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,202	5.39E-07	4.56E-06	8.94E-06	5.31E-07	4.51E-06	8.85E-06	5.14E-07	4.52E-06	8.58E-06	4.82E-07	4.18E-06	7.94E-06	4.72E-07	4.03E-06	7.68E-06
3,203	5.39E-07	4.56E-06	8.93E-06	5.30E-07	4.51E-06	8.85E-06	5.14E-07	4.52E-06	8.58E-06	4.82E-07	4.17E-06	7.93E-06	4.72E-07	4.02E-06	7.68E-06
3,204	5.39E-07	4.56E-06	8.93E-06	5.30E-07	4.51E-06	8.85E-06	5.14E-07	4.51E-06	8.58E-06	4.82E-07	4.17E-06	7.93E-06	4.72E-07	4.02E-06	7.67E-06
3,205	5.39E-07	4.56E-06	8.93E-06	5.30E-07	4.51E-06	8.85E-06	5.14E-07	4.51E-06	8.58E-06	4.81E-07	4.17E-06	7.92E-06	4.72E-07	4.02E-06	7.67E-06
3,206	5.39E-07	4.56E-06	8.93E-06	5.30E-07	4.51E-06	8.85E-06	5.13E-07	4.51E-06	8.58E-06	4.81E-07	4.17E-06	7.92E-06	4.72E-07	4.02E-06	7.67E-06
3,207	5.39E-07	4.55E-06	8.93E-06	5.30E-07	4.51E-06	8.85E-06	5.13E-07	4.51E-06	8.58E-06	4.81E-07	4.17E-06	7.92E-06	4.72E-07	4.02E-06	7.67E-06
3,208	5.38E-07	4.55E-06	8.92E-06	5.30E-07	4.51E-06	8.84E-06	5.13E-07	4.51E-06	8.57E-06	4.81E-07	4.17E-06	7.92E-06	4.71E-07	4.02E-06	7.66E-06
3,209	5.38E-07	4.55E-06	8.92E-06	5.30E-07	4.51E-06	8.84E-06	5.12E-07	4.51E-06	8.57E-06	4.81E-07	4.17E-06	7.91E-06	4.71E-07	4.01E-06	7.66E-06
3,210	5.38E-07	4.55E-06	8.92E-06	5.29E-07	4.50E-06	8.83E-06	5.12E-07	4.51E-06	8.57E-06	4.81E-07	4.17E-06	7.91E-06	4.71E-07	4.01E-06	7.65E-06
3,211	5.37E-07	4.55E-06	8.91E-06	5.29E-07	4.50E-06	8.82E-06	5.12E-07	4.51E-06	8.57E-06	4.81E-07	4.17E-06	7.91E-06	4.70E-07	4.01E-06	7.65E-06
3,212	5.37E-07	4.54E-06	8.91E-06	5.29E-07	4.50E-06	8.82E-06	5.12E-07	4.50E-06	8.57E-06	4.81E-07	4.17E-06	7.91E-06	4.70E-07	4.01E-06	7.65E-06
3,213	5.36E-07	4.54E-06	8.91E-06	5.29E-07	4.50E-06	8.81E-06	5.12E-07	4.50E-06	8.56E-06	4.80E-07	4.17E-06	7.91E-06	4.70E-07	4.01E-06	7.64E-06
3,214	5.36E-07	4.54E-06	8.91E-06	5.29E-07	4.49E-06	8.81E-06	5.12E-07	4.50E-06	8.56E-06	4.80E-07	4.17E-06	7.91E-06	4.70E-07	4.00E-06	7.64E-06
3,215	5.36E-07	4.54E-06	8.91E-06	5.28E-07	4.49E-06	8.80E-06	5.11E-07	4.50E-06	8.53E-06	4.80E-07	4.17E-06	7.90E-06	4.70E-07	4.00E-06	7.63E-06
3,216	5.36E-07	4.54E-06	8.91E-06	5.28E-07	4.49E-06	8.80E-06	5.11E-07	4.50E-06	8.53E-06	4.80E-07	4.17E-06	7.90E-06	4.70E-07	4.00E-06	7.63E-06
3,217	5.36E-07	4.54E-06	8.90E-06	5.28E-07	4.49E-06	8.80E-06	5.11E-07	4.50E-06	8.53E-06	4.80E-07	4.16E-06	7.90E-06	4.70E-07	4.00E-06	7.63E-06
3,218	5.36E-07	4.54E-06	8.90E-06	5.28E-07	4.49E-06	8.80E-06	5.11E-07	4.50E-06	8.52E-06	4.80E-07	4.16E-06	7.89E-06	4.70E-07	4.00E-06	7.63E-06
3,219	5.36E-07	4.54E-06	8.90E-06	5.28E-07	4.49E-06	8.80E-06	5.11E-07	4.50E-06	8.52E-06	4.80E-07	4.16E-06	7.89E-06	4.70E-07	4.00E-06	7.63E-06
3,220	5.36E-07	4.54E-06	8.90E-06	5.28E-07	4.48E-06	8.79E-06	5.11E-07	4.49E-06	8.52E-06	4.79E-07	4.16E-06	7.89E-06	4.69E-07	4.00E-06	7.63E-06
3,221	5.36E-07	4.54E-06	8.89E-06	5.28E-07	4.48E-06	8.79E-06	5.11E-07	4.49E-06	8.52E-06	4.79E-07	4.16E-06	7.88E-06	4.68E-07	4.00E-06	7.62E-06
3,222	5.35E-07	4.53E-06	8.89E-06	5.27E-07	4.48E-06	8.79E-06	5.11E-07	4.48E-06	8.51E-06	4.79E-07	4.15E-06	7.88E-06	4.68E-07	4.00E-06	7.62E-06
3,223	5.35E-07	4.53E-06	8.89E-06	5.27E-07	4.48E-06	8.79E-06	5.11E-07	4.48E-06	8.50E-06	4.79E-07	4.15E-06	7.88E-06	4.68E-07	4.00E-06	7.62E-06
3,224	5.35E-07	4.52E-06	8.89E-06	5.27E-07	4.47E-06	8.78E-06	5.11E-07	4.48E-06	8.50E-06	4.79E-07	4.15E-06	7.88E-06	4.68E-07	4.00E-06	7.62E-06
3,225	5.35E-07	4.52E-06	8.89E-06	5.27E-07	4.47E-06	8.78E-06	5.10E-07	4.48E-06	8.50E-06	4.79E-07	4.15E-06	7.88E-06	4.68E-07	4.00E-06	7.62E-06
3,226	5.35E-07	4.52E-06	8.88E-06	5.27E-07	4.47E-06	8.78E-06	5.10E-07	4.47E-06	8.50E-06	4.79E-07	4.15E-06	7.88E-06	4.67E-07	4.00E-06	7.62E-06
3,227	5.35E-07	4.52E-06	8.88E-06	5.27E-07	4.47E-06	8.78E-06	5.10E-07	4.47E-06	8.49E-06	4.79E-07	4.15E-06	7.87E-06	4.67E-07	4.00E-06	7.61E-06
3,228	5.34E-07	4.52E-06	8.88E-06	5.27E-07	4.47E-06	8.77E-06	5.10E-07	4.47E-06	8.49E-06	4.79E-07	4.15E-06	7.87E-06	4.67E-07	4.00E-06	7.61E-06
3,229	5.33E-07	4.51E-06	8.88E-06	5.27E-07	4.47E-06	8.77E-06	5.10E-07	4.47E-06	8.49E-06	4.79E-07	4.14E-06	7.87E-06	4.67E-07	3.99E-06	7.61E-06
3,230	5.33E-07	4.51E-06	8.88E-06	5.27E-07	4.47E-06	8.76E-06	5.09E-07	4.46E-06	8.49E-06	4.78E-07	4.14E-06	7.87E-06	4.67E-07	3.99E-06	7.61E-06
3,231	5.33E-07	4.51E-06	8.87E-06	5.26E-07	4.47E-06	8.76E-06	5.09E-07	4.46E-06	8.48E-06	4.78E-07	4.14E-06	7.86E-06	4.67E-07	3.99E-06	7.61E-06
3,232	5.33E-07	4.51E-06	8.87E-06	5.26E-07	4.46E-06	8.75E-06	5.09E-07	4.46E-06	8.48E-06	4.78E-07	4.14E-06	7.86E-06	4.67E-07	3.99E-06	7.61E-06
3,233	5.33E-07	4.51E-06	8.87E-06	5.26E-07	4.46E-06	8.75E-06	5.09E-07	4.46E-06	8.48E-06	4.78E-07	4.14E-06	7.86E-06	4.67E-07	3.99E-06	7.60E-06
3,234	5.33E-07	4.51E-06	8.86E-06	5.26E-07	4.46E-06	8.75E-06	5.09E-07	4.46E-06	8.47E-06	4.78E-07	4.13E-06	7.86E-06	4.66E-07	3.99E-06	7.60E-06
3,235	5.32E-07	4.50E-06	8.85E-06	5.26E-07	4.46E-06	8.75E-06	5.09E-07	4.45E-06	8.47E-06	4.77E-07	4.13E-06	7.86E-06	4.66E-07	3.99E-06	7.60E-06
3,236	5.32E-07	4.50E-06	8.85E-06	5.26E-07	4.46E-06	8.75E-06	5.09E-07	4.45E-06	8.47E-06	4.77E-07	4.13E-06	7.85E-06	4.66E-07	3.99E-06	7.60E-06
3,237	5.32E-07	4.50E-06	8.85E-06	5.26E-07	4.46E-06	8.74E-06	5.09E-07	4.45E-06	8.46E-06	4.77E-07	4.13E-06	7.85E-06	4.66E-07	3.99E-06	7.60E-06
3,238	5.32E-07	4.50E-06	8.85E-06	5.26E-07	4.46E-06	8.74E-06	5.09E-07	4.45E-06	8.46E-06	4.76E-07	4.13E-06	7.85E-06	4.66E-07	3.99E-06	7.59E-06
3,239	5.32E-07	4.50E-06	8.84E-06	5.26E-07	4.46E-06	8.74E-06	5.09E-07	4.45E-06	8.45E-06	4.76E-07	4.13E-06	7.85E-06	4.65E-07	3.99E-06	7.59E-06
3,240	5.32E-07	4.50E-06	8.84E-06	5.25E-07	4.45E-06	8.74E-06	5.08E-07	4.45E-06	8.45E-06	4.76E-07	4.12E-06	7.85E-06	4.65E-07	3.99E-06	7.59E-06
3,241	5.31E-07	4.50E-06	8.84E-06	5.25E-07	4.45E-06	8.74E-06	5.08E-07	4.45E-06	8.45E-06	4.76E-07	4.12E-06	7.85E-06	4.65E-07	3.98E-06	7.59E-06
3,242	5.31E-07	4.49E-06	8.84E-06	5.25E-07	4.45E-06	8.74E-06	5.08E-07	4.45E-06	8.45E-06	4.76E-07	4.12E-06	7.85E-06	4.65E-07	3.98E-06	7.58E-06
3,243	5.31E-07	4.49E-06	8.83E-06	5.24E-07	4.45E-06	8.74E-06	5.07E-07	4.45E-06	8.45E-06	4.76E-07	4.12E-06	7.84E-06	4.65E-07	3.98E-06	7.58E-06
3,244	5.30E-07	4.49E-06	8.83E-06	5.24E-07	4.45E-06	8.73E-06	5.07E-07	4.45E-06	8.44E-06	4.75E-07	4.12E-06	7.84E-06	4.65E-07	3.98E-06	7.58E-06
3,245	5.30E-07	4.49E-06	8.82E-06	5.24E-07	4.45E-06	8.73E-06	5.07E-07	4.44E-06	8.43E-06	4.75E-07	4.11E-06	7.84E-06	4.64E-07	3.98E-06	7.58E-06
3,246	5.30E-07	4.49E-06	8.82E-06	5.24E-07	4.45E-06	8.73E-06	5.07E-07	4.44E-06	8.43E-06	4.75E-07	4.11E-06	7.83E-06	4.64E-07	3.98E-06	7.58E-06
3,247	5.30E-07	4.49E-06	8.82E-06	5.24E-07	4.45E-06	8.73E-06	5.07E-07	4.44E-06	8.43E-06	4.75E-07	4.11E-06	7.83E-06	4.64E-07	3.98E-06	7.58E-06
3,248	5.30E-07	4.49E-06	8.82E-06	5.24E-07	4.45E-06	8.73E-06	5.06E-07	4.44E-06	8.42E-06	4.74E-07	4.11E-06	7.83E-06	4.63E-07	3.98E-06	7.57E-06
3,249	5.29E-07	4.49E-06	8.81E-06	5.24E-07	4.45E-06	8.73E-06	5.06E-07	4.44E-06	8.42E-06	4.74E-07	4.11E-06	7.82E-06	4.63E-07	3.97E-06	7.57E-06
3,250	5.29E-07	4.48E-06	8.80E-06	5.23E-07	4.45E-06	8.72E-06	5.06E-07	4.44E-06	8.42E-06	4.74E-07	4.11E-06	7.82E-06	4.63E-07	3.97E-06	7.57E-06
3,251	5.29E-07	4.48E-06	8.80E-06	5.23E-07	4.45E-06	8.72E-06	5.06E-07	4.44E-06	8.41E-06	4.74E-07	4.11E-06	7.81E-06	4.63E-07	3.97E-06	7.57E-06
3,252	5.29E-07	4.48E-06	8.80E-06	5.23E-07	4.44E-06	8.72E-06	5.06E-07	4.43E-06	8.40E-06	4.74E-07	4.11E-06	7.81E-06	4.63E-07	3.97E-06	7.57E-06
3,253	5.29E-07	4.48E-06	8.80E-06	5.23E-07	4.44E-06	8.72E-06	5.06E-07	4.43E-06	8.40E-06	4.74E-07	4.11E-06	7.81E-06	4.63E-07	3.97E-06	7.57E-06
3,254	5.29E-07	4.48E-06	8.80E-06	5.23E-07	4.44E-06	8.72E-06	5.05E-07	4.43E-06	8.40E-06	4.73E-07	4.10E-06	7.81E-06	4.63E-07	3.97E-06	7.56E-06
3,255	5.29E-07	4.48E-06	8.79E-06	5.23E-07	4.44E-06	8.72E-06	5.05E-07	4.43E-06	8.39E-06	4.73E-07	4.10E-06	7.80E-06	4.63E-07	3.97E-06	7.56E-06
3,256	5.29E-07	4.48E-06	8.79E-06	5.23E-07	4.44E-06	8.71E-06	5.05E-07	4.43E-06	8.39E-06	4.73E-07	4.10E-06	7.80E-06	4.63E-07	3.97E-06	7.55E-06
3,257	5.29E-07	4.47E-06	8.79E-06	5.23E-07	4.44E-06	8.71E-06	5.04E-07	4.43E-06	8.39E-06	4.73E-07	4.10E-06	7.79E-06	4.63E-07	3.96E-06	7.55E-06
3,258	5.29E-07	4.47E-06	8.79E-06	5.23E-07	4.44E-06	8.70E-06	5.04E-07	4.42E-06	8.39E-06	4.73E-07	4.10E-06	7.79E-06	4.63E-07	3.96E-06	7.55E-06
3,259	5.28E-07	4.47E-06	8.79E-06	5.23E-07	4.44E-06	8.70E-06	5.04E-07	4.42E-06	8.38E-06	4.73E-07	4.09E-06	7.79E-06	4.63E-07	3.96E-06	7.55E-06
3,260	5.28E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,264	5.27E-07	4.47E-06	8.78E-06	5.22E-07	4.43E-06	8.69E-06	5.03E-07	4.41E-06	8.38E-06	4.73E-07	4.09E-06	7.78E-06	4.62E-07	3.95E-06	7.53E-06
3,265	5.27E-07	4.47E-06	8.78E-06	5.22E-07	4.43E-06	8.69E-06	5.03E-07	4.41E-06	8.38E-06	4.73E-07	4.09E-06	7.78E-06	4.62E-07	3.95E-06	7.53E-06
3,266	5.27E-07	4.46E-06	8.78E-06	5.22E-07	4.43E-06	8.68E-06	5.03E-07	4.41E-06	8.38E-06	4.73E-07	4.09E-06	7.78E-06	4.62E-07	3.95E-06	7.53E-06
3,267	5.27E-07	4.46E-06	8.77E-06	5.22E-07	4.43E-06	8.68E-06	5.03E-07	4.41E-06	8.38E-06	4.73E-07	4.09E-06	7.78E-06	4.61E-07	3.95E-06	7.53E-06
3,268	5.27E-07	4.46E-06	8.77E-06	5.22E-07	4.43E-06	8.68E-06	5.03E-07	4.41E-06	8.38E-06	4.72E-07	4.09E-06	7.78E-06	4.61E-07	3.95E-06	7.52E-06
3,269	5.27E-07	4.46E-06	8.76E-06	5.22E-07	4.43E-06	8.68E-06	5.03E-07	4.40E-06	8.37E-06	4.72E-07	4.09E-06	7.77E-06	4.61E-07	3.94E-06	7.52E-06
3,270	5.26E-07	4.46E-06	8.76E-06	5.22E-07	4.42E-06	8.68E-06	5.02E-07	4.40E-06	8.37E-06	4.72E-07	4.08E-06	7.77E-06	4.61E-07	3.94E-06	7.52E-06
3,271	5.26E-07	4.46E-06	8.76E-06	5.22E-07	4.42E-06	8.67E-06	5.02E-07	4.40E-06	8.37E-06	4.72E-07	4.08E-06	7.77E-06	4.61E-07	3.94E-06	7.52E-06
3,272	5.26E-07	4.46E-06	8.75E-06	5.22E-07	4.42E-06	8.67E-06	5.02E-07	4.40E-06	8.37E-06	4.72E-07	4.08E-06	7.77E-06	4.60E-07	3.94E-06	7.52E-06
3,273	5.26E-07	4.46E-06	8.74E-06	5.22E-07	4.42E-06	8.67E-06	5.02E-07	4.39E-06	8.37E-06	4.72E-07	4.07E-06	7.76E-06	4.60E-07	3.94E-06	7.52E-06
3,274	5.26E-07	4.46E-06	8.74E-06	5.21E-07	4.42E-06	8.66E-06	5.02E-07	4.39E-06	8.36E-06	4.72E-07	4.07E-06	7.76E-06	4.60E-07	3.93E-06	7.51E-06
3,275	5.26E-07	4.45E-06	8.74E-06	5.21E-07	4.42E-06	8.66E-06	5.01E-07	4.39E-06	8.36E-06	4.72E-07	4.07E-06	7.76E-06	4.60E-07	3.93E-06	7.51E-06
3,276	5.26E-07	4.45E-06	8.73E-06	5.21E-07	4.42E-06	8.65E-06	5.01E-07	4.39E-06	8.36E-06	4.72E-07	4.07E-06	7.76E-06	4.60E-07	3.93E-06	7.51E-06
3,277	5.26E-07	4.45E-06	8.73E-06	5.21E-07	4.42E-06	8.65E-06	5.01E-07	4.39E-06	8.36E-06	4.71E-07	4.07E-06	7.76E-06	4.60E-07	3.93E-06	7.50E-06
3,278	5.25E-07	4.44E-06	8.73E-06	5.21E-07	4.42E-06	8.65E-06	5.01E-07	4.39E-06	8.36E-06	4.71E-07	4.07E-06	7.76E-06	4.60E-07	3.93E-06	7.50E-06
3,279	5.25E-07	4.44E-06	8.73E-06	5.21E-07	4.41E-06	8.65E-06	5.01E-07	4.38E-06	8.36E-06	4.71E-07	4.07E-06	7.75E-06	4.59E-07	3.93E-06	7.50E-06
3,280	5.25E-07	4.44E-06	8.73E-06	5.21E-07	4.41E-06	8.64E-06	5.00E-07	4.38E-06	8.36E-06	4.70E-07	4.07E-06	7.75E-06	4.59E-07	3.93E-06	7.50E-06
3,281	5.25E-07	4.43E-06	8.72E-06	5.20E-07	4.41E-06	8.64E-06	5.00E-07	4.38E-06	8.36E-06	4.70E-07	4.07E-06	7.75E-06	4.59E-07	3.93E-06	7.50E-06
3,282	5.25E-07	4.43E-06	8.72E-06	5.20E-07	4.41E-06	8.63E-06	5.00E-07	4.38E-06	8.36E-06	4.70E-07	4.06E-06	7.75E-06	4.59E-07	3.92E-06	7.50E-06
3,283	5.25E-07	4.43E-06	8.72E-06	5.20E-07	4.41E-06	8.63E-06	5.00E-07	4.38E-06	8.35E-06	4.70E-07	4.06E-06	7.75E-06	4.59E-07	3.92E-06	7.50E-06
3,284	5.24E-07	4.42E-06	8.72E-06	5.20E-07	4.41E-06	8.63E-06	4.99E-07	4.38E-06	8.35E-06	4.70E-07	4.06E-06	7.75E-06	4.59E-07	3.92E-06	7.50E-06
3,285	5.24E-07	4.42E-06	8.72E-06	5.20E-07	4.41E-06	8.63E-06	4.99E-07	4.38E-06	8.34E-06	4.70E-07	4.06E-06	7.73E-06	4.59E-07	3.92E-06	7.49E-06
3,286	5.24E-07	4.42E-06	8.72E-06	5.20E-07	4.41E-06	8.63E-06	4.99E-07	4.38E-06	8.34E-06	4.70E-07	4.06E-06	7.73E-06	4.59E-07	3.92E-06	7.49E-06
3,287	5.24E-07	4.42E-06	8.71E-06	5.20E-07	4.40E-06	8.63E-06	4.99E-07	4.38E-06	8.34E-06	4.70E-07	4.06E-06	7.73E-06	4.59E-07	3.92E-06	7.49E-06
3,288	5.24E-07	4.42E-06	8.71E-06	5.20E-07	4.40E-06	8.63E-06	4.99E-07	4.38E-06	8.34E-06	4.70E-07	4.06E-06	7.73E-06	4.59E-07	3.92E-06	7.49E-06
3,289	5.24E-07	4.42E-06	8.70E-06	5.19E-07	4.40E-06	8.62E-06	4.99E-07	4.37E-06	8.33E-06	4.70E-07	4.06E-06	7.72E-06	4.58E-07	3.92E-06	7.48E-06
3,290	5.24E-07	4.41E-06	8.70E-06	5.19E-07	4.40E-06	8.62E-06	4.99E-07	4.37E-06	8.33E-06	4.70E-07	4.06E-06	7.72E-06	4.58E-07	3.92E-06	7.48E-06
3,291	5.24E-07	4.41E-06	8.70E-06	5.19E-07	4.39E-06	8.62E-06	4.99E-07	4.37E-06	8.32E-06	4.70E-07	4.06E-06	7.72E-06	4.58E-07	3.92E-06	7.48E-06
3,292	5.23E-07	4.41E-06	8.70E-06	5.19E-07	4.39E-06	8.62E-06	4.99E-07	4.37E-06	8.32E-06	4.70E-07	4.06E-06	7.72E-06	4.58E-07	3.91E-06	7.47E-06
3,293	5.23E-07	4.41E-06	8.69E-06	5.19E-07	4.39E-06	8.62E-06	4.98E-07	4.37E-06	8.32E-06	4.69E-07	4.06E-06	7.72E-06	4.58E-07	3.91E-06	7.47E-06
3,294	5.23E-07	4.41E-06	8.69E-06	5.19E-07	4.39E-06	8.61E-06	4.98E-07	4.37E-06	8.31E-06	4.69E-07	4.06E-06	7.72E-06	4.58E-07	3.91E-06	7.47E-06
3,295	5.23E-07	4.41E-06	8.69E-06	5.18E-07	4.39E-06	8.61E-06	4.97E-07	4.37E-06	8.31E-06	4.69E-07	4.05E-06	7.72E-06	4.58E-07	3.91E-06	7.47E-06
3,296	5.23E-07	4.40E-06	8.69E-06	5.18E-07	4.39E-06	8.61E-06	4.97E-07	4.37E-06	8.31E-06	4.69E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.47E-06
3,297	5.23E-07	4.40E-06	8.69E-06	5.18E-07	4.38E-06	8.61E-06	4.97E-07	4.36E-06	8.31E-06	4.69E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.47E-06
3,298	5.23E-07	4.40E-06	8.68E-06	5.18E-07	4.38E-06	8.61E-06	4.97E-07	4.36E-06	8.31E-06	4.68E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.46E-06
3,299	5.23E-07	4.40E-06	8.68E-06	5.18E-07	4.38E-06	8.61E-06	4.96E-07	4.36E-06	8.31E-06	4.68E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.46E-06
3,300	5.22E-07	4.40E-06	8.68E-06	5.18E-07	4.38E-06	8.61E-06	4.96E-07	4.36E-06	8.30E-06	4.68E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.46E-06
3,301	5.22E-07	4.40E-06	8.67E-06	5.18E-07	4.38E-06	8.60E-06	4.96E-07	4.36E-06	8.30E-06	4.68E-07	4.05E-06	7.71E-06	4.57E-07	3.91E-06	7.46E-06
3,302	5.22E-07	4.40E-06	8.67E-06	5.18E-07	4.38E-06	8.60E-06	4.96E-07	4.36E-06	8.30E-06	4.68E-07	4.04E-06	7.70E-06	4.56E-07	3.91E-06	7.45E-06
3,303	5.22E-07	4.40E-06	8.67E-06	5.18E-07	4.37E-06	8.60E-06	4.96E-07	4.35E-06	8.29E-06	4.68E-07	4.04E-06	7.70E-06	4.56E-07	3.90E-06	7.45E-06
3,304	5.22E-07	4.39E-06	8.67E-06	5.17E-07	4.37E-06	8.60E-06	4.96E-07	4.35E-06	8.29E-06	4.68E-07	4.04E-06	7.70E-06	4.56E-07	3.90E-06	7.45E-06
3,305	5.22E-07	4.39E-06	8.66E-06	5.17E-07	4.37E-06	8.59E-06	4.96E-07	4.35E-06	8.28E-06	4.68E-07	4.04E-06	7.70E-06	4.56E-07	3.90E-06	7.44E-06
3,306	5.22E-07	4.39E-06	8.65E-06	5.17E-07	4.37E-06	8.58E-06	4.95E-07	4.35E-06	8.28E-06	4.68E-07	4.04E-06	7.70E-06	4.56E-07	3.90E-06	7.44E-06
3,307	5.22E-07	4.39E-06	8.65E-06	5.17E-07	4.37E-06	8.57E-06	4.95E-07	4.35E-06	8.28E-06	4.68E-07	4.04E-06	7.69E-06	4.56E-07	3.90E-06	7.44E-06
3,308	5.22E-07	4.39E-06	8.64E-06	5.17E-07	4.37E-06	8.57E-06	4.95E-07	4.34E-06	8.27E-06	4.67E-07	4.04E-06	7.69E-06	4.56E-07	3.90E-06	7.44E-06
3,309	5.22E-07	4.39E-06	8.64E-06	5.17E-07	4.37E-06	8.56E-06	4.95E-07	4.34E-06	8.27E-06	4.67E-07	4.04E-06	7.69E-06	4.56E-07	3.90E-06	7.44E-06
3,310	5.22E-07	4.38E-06	8.64E-06	5.16E-07	4.36E-06	8.56E-06	4.95E-07	4.33E-06	8.27E-06	4.67E-07	4.04E-06	7.69E-06	4.56E-07	3.89E-06	7.44E-06
3,311	5.22E-07	4.38E-06	8.63E-06	5.16E-07	4.36E-06	8.56E-06	4.95E-07	4.33E-06	8.27E-06	4.67E-07	4.04E-06	7.68E-06	4.55E-07	3.89E-06	7.44E-06
3,312	5.22E-07	4.38E-06	8.63E-06	5.16E-07	4.36E-06	8.55E-06	4.95E-07	4.33E-06	8.26E-06	4.67E-07	4.04E-06	7.68E-06	4.55E-07	3.89E-06	7.43E-06
3,313	5.21E-07	4.38E-06	8.63E-06	5.16E-07	4.36E-06	8.55E-06	4.94E-07	4.33E-06	8.25E-06	4.67E-07	4.03E-06	7.68E-06	4.55E-07	3.89E-06	7.43E-06
3,314	5.21E-07	4.38E-06	8.62E-06	5.16E-07	4.36E-06	8.55E-06	4.93E-07	4.33E-06	8.25E-06	4.66E-07	4.03E-06	7.68E-06	4.55E-07	3.89E-06	7.43E-06
3,315	5.21E-07	4.38E-06	8.62E-06	5.15E-07	4.36E-06	8.55E-06	4.93E-07	4.33E-06	8.25E-06	4.66E-07	4.03E-06	7.68E-06	4.55E-07	3.89E-06	7.42E-06
3,316	5.21E-07	4.37E-06	8.62E-06	5.15E-07	4.35E-06	8.54E-06	4.93E-07	4.33E-06	8.25E-06	4.66E-07	4.03E-06	7.67E-06	4.55E-07	3.89E-06	7.42E-06
3,317	5.20E-07	4.37E-06	8.62E-06	5.15E-07	4.35E-06	8.54E-06	4.93E-07	4.33E-06	8.25E-06	4.66E-07	4.03E-06	7.67E-06	4.54E-07	3.89E-06	7.42E-06
3,318	5.20E-07	4.37E-06	8.61E-06	5.15E-07	4.35E-06	8.54E-06	4.93E-07	4.32E-06	8.25E-06	4.66E-07	4.03E-06	7.67E-06	4.54E-07	3.88E-06	7.42E-06
3,319	5.20E-07	4.37E-06	8.61E-06	5.15E-07	4.35E-06	8.54E-06	4.93E-07	4.32E-06	8.24E-06	4.66E-07	4.03E-06	7.66E-06	4.54E-07	3.88E-06	7.41E-06
3,320	5.20E-07	4.37E-06	8.61E-06	5.15E-07	4.35E-06	8.53E-06	4.93E-07	4.32E-06	8.24E-06	4.66E-07	4.03E-06	7.66E-06	4.54E-07	3.88E-06	7.41E-06
3,321	5.20E-07	4.37E-06	8.61E-06	5.15E-07	4.35E-06	8.53E-06	4.93E-07	4.31E-06	8.23E-06	4.65E-07	4.03E-06	7.66E-06	4.53E-07	3.88E-06	7.41E-06
3,322	5.20E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,326	5.19E-07	4.36E-06	8.60E-06	5.14E-07	4.35E-06	8.51E-06	4.92E-07	4.31E-06	8.21E-06	4.65E-07	4.02E-06	7.65E-06	4.52E-07	3.88E-06	7.40E-06
3,327	5.19E-07	4.36E-06	8.60E-06	5.13E-07	4.35E-06	8.51E-06	4.92E-07	4.31E-06	8.21E-06	4.65E-07	4.02E-06	7.64E-06	4.52E-07	3.88E-06	7.40E-06
3,328	5.19E-07	4.35E-06	8.59E-06	5.13E-07	4.35E-06	8.51E-06	4.92E-07	4.30E-06	8.21E-06	4.65E-07	4.02E-06	7.64E-06	4.52E-07	3.88E-06	7.40E-06
3,329	5.19E-07	4.35E-06	8.59E-06	5.13E-07	4.34E-06	8.51E-06	4.91E-07	4.30E-06	8.20E-06	4.65E-07	4.02E-06	7.64E-06	4.52E-07	3.88E-06	7.40E-06
3,330	5.19E-07	4.35E-06	8.59E-06	5.13E-07	4.34E-06	8.51E-06	4.91E-07	4.30E-06	8.20E-06	4.65E-07	4.02E-06	7.64E-06	4.52E-07	3.88E-06	7.40E-06
3,331	5.18E-07	4.35E-06	8.58E-06	5.13E-07	4.34E-06	8.50E-06	4.90E-07	4.30E-06	8.20E-06	4.64E-07	4.02E-06	7.63E-06	4.52E-07	3.87E-06	7.39E-06
3,332	5.18E-07	4.35E-06	8.58E-06	5.13E-07	4.34E-06	8.50E-06	4.90E-07	4.30E-06	8.20E-06	4.64E-07	4.01E-06	7.63E-06	4.52E-07	3.87E-06	7.38E-06
3,333	5.18E-07	4.34E-06	8.58E-06	5.13E-07	4.34E-06	8.50E-06	4.90E-07	4.30E-06	8.20E-06	4.64E-07	4.01E-06	7.63E-06	4.51E-07	3.87E-06	7.38E-06
3,334	5.18E-07	4.34E-06	8.58E-06	5.13E-07	4.34E-06	8.49E-06	4.90E-07	4.30E-06	8.20E-06	4.64E-07	4.01E-06	7.63E-06	4.51E-07	3.87E-06	7.38E-06
3,335	5.18E-07	4.34E-06	8.58E-06	5.13E-07	4.34E-06	8.49E-06	4.90E-07	4.30E-06	8.20E-06	4.64E-07	4.01E-06	7.63E-06	4.51E-07	3.87E-06	7.38E-06
3,336	5.18E-07	4.34E-06	8.57E-06	5.13E-07	4.34E-06	8.48E-06	4.90E-07	4.30E-06	8.19E-06	4.64E-07	4.01E-06	7.63E-06	4.51E-07	3.87E-06	7.38E-06
3,337	5.18E-07	4.34E-06	8.57E-06	5.12E-07	4.34E-06	8.48E-06	4.90E-07	4.30E-06	8.19E-06	4.64E-07	4.01E-06	7.62E-06	4.51E-07	3.87E-06	7.38E-06
3,338	5.18E-07	4.34E-06	8.57E-06	5.12E-07	4.34E-06	8.47E-06	4.90E-07	4.30E-06	8.19E-06	4.64E-07	4.01E-06	7.62E-06	4.51E-07	3.87E-06	7.37E-06
3,339	5.18E-07	4.34E-06	8.57E-06	5.12E-07	4.34E-06	8.47E-06	4.89E-07	4.29E-06	8.19E-06	4.64E-07	4.01E-06	7.62E-06	4.51E-07	3.87E-06	7.37E-06
3,340	5.17E-07	4.34E-06	8.57E-06	5.12E-07	4.33E-06	8.46E-06	4.89E-07	4.29E-06	8.19E-06	4.64E-07	4.00E-06	7.62E-06	4.51E-07	3.86E-06	7.37E-06
3,341	5.17E-07	4.34E-06	8.57E-06	5.12E-07	4.33E-06	8.46E-06	4.89E-07	4.29E-06	8.19E-06	4.64E-07	4.00E-06	7.62E-06	4.51E-07	3.86E-06	7.37E-06
3,342	5.17E-07	4.34E-06	8.56E-06	5.12E-07	4.33E-06	8.45E-06	4.89E-07	4.29E-06	8.19E-06	4.64E-07	4.00E-06	7.62E-06	4.50E-07	3.86E-06	7.36E-06
3,343	5.16E-07	4.33E-06	8.56E-06	5.12E-07	4.33E-06	8.45E-06	4.89E-07	4.28E-06	8.18E-06	4.63E-07	4.00E-06	7.61E-06	4.50E-07	3.86E-06	7.36E-06
3,344	5.16E-07	4.33E-06	8.56E-06	5.12E-07	4.33E-06	8.45E-06	4.89E-07	4.28E-06	8.18E-06	4.63E-07	4.00E-06	7.61E-06	4.50E-07	3.86E-06	7.36E-06
3,345	5.16E-07	4.33E-06	8.55E-06	5.12E-07	4.33E-06	8.44E-06	4.88E-07	4.28E-06	8.17E-06	4.63E-07	4.00E-06	7.61E-06	4.49E-07	3.85E-06	7.36E-06
3,346	5.16E-07	4.33E-06	8.55E-06	5.12E-07	4.33E-06	8.44E-06	4.88E-07	4.28E-06	8.17E-06	4.63E-07	4.00E-06	7.60E-06	4.49E-07	3.85E-06	7.36E-06
3,347	5.16E-07	4.33E-06	8.55E-06	5.11E-07	4.33E-06	8.44E-06	4.88E-07	4.28E-06	8.17E-06	4.63E-07	3.99E-06	7.60E-06	4.49E-07	3.85E-06	7.36E-06
3,348	5.16E-07	4.33E-06	8.54E-06	5.11E-07	4.32E-06	8.44E-06	4.88E-07	4.28E-06	8.17E-06	4.63E-07	3.99E-06	7.60E-06	4.49E-07	3.85E-06	7.36E-06
3,349	5.16E-07	4.33E-06	8.54E-06	5.11E-07	4.32E-06	8.44E-06	4.88E-07	4.28E-06	8.17E-06	4.63E-07	3.99E-06	7.60E-06	4.49E-07	3.85E-06	7.35E-06
3,350	5.15E-07	4.32E-06	8.54E-06	5.11E-07	4.32E-06	8.43E-06	4.88E-07	4.28E-06	8.16E-06	4.63E-07	3.99E-06	7.59E-06	4.49E-07	3.85E-06	7.35E-06
3,351	5.15E-07	4.32E-06	8.54E-06	5.11E-07	4.32E-06	8.43E-06	4.87E-07	4.28E-06	8.16E-06	4.63E-07	3.99E-06	7.58E-06	4.49E-07	3.85E-06	7.35E-06
3,352	5.15E-07	4.32E-06	8.54E-06	5.10E-07	4.32E-06	8.43E-06	4.87E-07	4.27E-06	8.16E-06	4.62E-07	3.99E-06	7.58E-06	4.48E-07	3.85E-06	7.35E-06
3,353	5.15E-07	4.32E-06	8.54E-06	5.10E-07	4.32E-06	8.43E-06	4.87E-07	4.27E-06	8.15E-06	4.62E-07	3.98E-06	7.58E-06	4.48E-07	3.85E-06	7.35E-06
3,354	5.15E-07	4.32E-06	8.54E-06	5.10E-07	4.32E-06	8.43E-06	4.87E-07	4.27E-06	8.15E-06	4.62E-07	3.98E-06	7.58E-06	4.48E-07	3.84E-06	7.35E-06
3,355	5.15E-07	4.31E-06	8.53E-06	5.10E-07	4.32E-06	8.43E-06	4.87E-07	4.27E-06	8.15E-06	4.62E-07	3.98E-06	7.58E-06	4.48E-07	3.83E-06	7.35E-06
3,356	5.14E-07	4.31E-06	8.53E-06	5.10E-07	4.32E-06	8.43E-06	4.86E-07	4.27E-06	8.15E-06	4.62E-07	3.98E-06	7.58E-06	4.48E-07	3.83E-06	7.35E-06
3,357	5.14E-07	4.31E-06	8.53E-06	5.09E-07	4.31E-06	8.43E-06	4.86E-07	4.27E-06	8.15E-06	4.62E-07	3.98E-06	7.58E-06	4.48E-07	3.83E-06	7.34E-06
3,358	5.13E-07	4.31E-06	8.53E-06	5.09E-07	4.31E-06	8.42E-06	4.86E-07	4.26E-06	8.14E-06	4.62E-07	3.97E-06	7.58E-06	4.48E-07	3.83E-06	7.34E-06
3,359	5.13E-07	4.31E-06	8.52E-06	5.09E-07	4.31E-06	8.42E-06	4.86E-07	4.26E-06	8.14E-06	4.62E-07	3.97E-06	7.57E-06	4.48E-07	3.82E-06	7.34E-06
3,360	5.13E-07	4.31E-06	8.52E-06	5.09E-07	4.31E-06	8.42E-06	4.86E-07	4.26E-06	8.14E-06	4.62E-07	3.97E-06	7.57E-06	4.48E-07	3.82E-06	7.33E-06
3,361	5.13E-07	4.31E-06	8.52E-06	5.09E-07	4.30E-06	8.42E-06	4.86E-07	4.26E-06	8.14E-06	4.62E-07	3.97E-06	7.56E-06	4.48E-07	3.82E-06	7.32E-06
3,362	5.13E-07	4.31E-06	8.52E-06	5.09E-07	4.30E-06	8.42E-06	4.86E-07	4.26E-06	8.13E-06	4.62E-07	3.97E-06	7.56E-06	4.48E-07	3.82E-06	7.32E-06
3,363	5.12E-07	4.30E-06	8.52E-06	5.09E-07	4.30E-06	8.41E-06	4.86E-07	4.26E-06	8.13E-06	4.62E-07	3.97E-06	7.56E-06	4.48E-07	3.82E-06	7.32E-06
3,364	5.12E-07	4.30E-06	8.51E-06	5.08E-07	4.29E-06	8.41E-06	4.86E-07	4.26E-06	8.13E-06	4.62E-07	3.96E-06	7.56E-06	4.48E-07	3.82E-06	7.31E-06
3,365	5.12E-07	4.29E-06	8.51E-06	5.08E-07	4.29E-06	8.40E-06	4.85E-07	4.26E-06	8.12E-06	4.62E-07	3.96E-06	7.55E-06	4.47E-07	3.82E-06	7.31E-06
3,366	5.12E-07	4.29E-06	8.50E-06	5.08E-07	4.29E-06	8.40E-06	4.85E-07	4.26E-06	8.12E-06	4.61E-07	3.96E-06	7.55E-06	4.47E-07	3.82E-06	7.31E-06
3,367	5.12E-07	4.29E-06	8.50E-06	5.08E-07	4.29E-06	8.40E-06	4.85E-07	4.25E-06	8.12E-06	4.61E-07	3.96E-06	7.55E-06	4.47E-07	3.82E-06	7.31E-06
3,368	5.12E-07	4.29E-06	8.50E-06	5.07E-07	4.29E-06	8.39E-06	4.84E-07	4.25E-06	8.12E-06	4.61E-07	3.95E-06	7.55E-06	4.47E-07	3.81E-06	7.31E-06
3,369	5.12E-07	4.29E-06	8.50E-06	5.07E-07	4.29E-06	8.39E-06	4.84E-07	4.25E-06	8.12E-06	4.61E-07	3.95E-06	7.55E-06	4.47E-07	3.81E-06	7.31E-06
3,370	5.12E-07	4.28E-06	8.50E-06	5.07E-07	4.28E-06	8.39E-06	4.84E-07	4.25E-06	8.12E-06	4.61E-07	3.95E-06	7.55E-06	4.47E-07	3.81E-06	7.31E-06
3,371	5.11E-07	4.28E-06	8.49E-06	5.06E-07	4.28E-06	8.38E-06	4.84E-07	4.25E-06	8.12E-06	4.61E-07	3.95E-06	7.55E-06	4.46E-07	3.81E-06	7.30E-06
3,372	5.11E-07	4.28E-06	8.49E-06	5.06E-07	4.28E-06	8.38E-06	4.84E-07	4.25E-06	8.12E-06	4.60E-07	3.95E-06	7.55E-06	4.46E-07	3.81E-06	7.30E-06
3,373	5.11E-07	4.28E-06	8.48E-06	5.06E-07	4.27E-06	8.38E-06	4.84E-07	4.25E-06	8.11E-06	4.60E-07	3.94E-06	7.54E-06	4.46E-07	3.81E-06	7.30E-06
3,374	5.10E-07	4.28E-06	8.48E-06	5.06E-07	4.27E-06	8.38E-06	4.84E-07	4.25E-06	8.10E-06	4.60E-07	3.94E-06	7.53E-06	4.46E-07	3.80E-06	7.30E-06
3,375	5.10E-07	4.28E-06	8.48E-06	5.06E-07	4.27E-06	8.38E-06	4.83E-07	4.25E-06	8.10E-06	4.60E-07	3.94E-06	7.53E-06	4.46E-07	3.80E-06	7.30E-06
3,376	5.10E-07	4.28E-06	8.47E-06	5.06E-07	4.27E-06	8.38E-06	4.83E-07	4.24E-06	8.10E-06	4.60E-07	3.94E-06	7.53E-06	4.46E-07	3.80E-06	7.30E-06
3,377	5.10E-07	4.28E-06	8.47E-06	5.05E-07	4.27E-06	8.38E-06	4.83E-07	4.24E-06	8.10E-06	4.60E-07	3.94E-06	7.52E-06	4.46E-07	3.80E-06	7.30E-06
3,378	5.10E-07	4.27E-06	8.47E-06	5.05E-07	4.27E-06	8.37E-06	4.82E-07	4.24E-06	8.10E-06	4.60E-07	3.94E-06	7.52E-06	4.45E-07	3.80E-06	7.30E-06
3,379	5.10E-07	4.27E-06	8.47E-06	5.05E-07	4.27E-06	8.37E-06	4.82E-07	4.24E-06	8.10E-06	4.60E-07	3.93E-06	7.52E-06	4.45E-07	3.80E-06	7.29E-06
3,380	5.09E-07	4.27E-06	8.46E-06	5.05E-07	4.27E-06	8.37E-06	4.82E-07	4.24E-06	8.10E-06	4.60E-07	3.93E-06	7.52E-06	4.45E-07	3.80E-06	7.29E-06
3,381	5.09E-07	4.27E-06	8.46E-06	5.05E-07	4.27E-06	8.37E-06	4.82E-07	4.24E-06	8.09E-06	4.60E-07	3.93E-06	7.52E-06	4.45E-07	3.80E-06	7.29E-06
3,382	5.09E-07	4.27E-06	8.45E-06	5.05E-07	4.27E-06	8.37E-06	4.82E-07	4.24E-06	8.09E-06	4.59E-07	3.93E-06	7.51E-06	4.45E-07	3.80E-06	7.29E-06
3,383	5.09E-07	4.27E-06	8.45E-06	5.05E-07	4.27E-06	8.36E-06	4.81E-07	4.23E-06	8.08E-06	4.59E-07	3.93E-06	7.51E-06	4.45E-07	3.80E-06	7.28E-06
3,384	5.09E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,388	5.08E-07	4.25E-06	8.44E-06	5.04E-07	4.26E-06	8.36E-06	4.80E-07	4.23E-06	8.07E-06	4.58E-07	3.93E-06	7.51E-06	4.44E-07	3.79E-06	7.27E-06
3,389	5.08E-07	4.25E-06	8.43E-06	5.04E-07	4.26E-06	8.35E-06	4.80E-07	4.23E-06	8.07E-06	4.58E-07	3.93E-06	7.51E-06	4.44E-07	3.79E-06	7.26E-06
3,390	5.08E-07	4.25E-06	8.43E-06	5.04E-07	4.26E-06	8.35E-06	4.80E-07	4.23E-06	8.07E-06	4.58E-07	3.93E-06	7.50E-06	4.44E-07	3.79E-06	7.26E-06
3,391	5.07E-07	4.25E-06	8.43E-06	5.04E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.07E-06	4.58E-07	3.93E-06	7.50E-06	4.44E-07	3.78E-06	7.26E-06
3,392	5.07E-07	4.24E-06	8.43E-06	5.03E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.06E-06	4.58E-07	3.93E-06	7.50E-06	4.44E-07	3.78E-06	7.26E-06
3,393	5.07E-07	4.24E-06	8.43E-06	5.03E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.06E-06	4.58E-07	3.93E-06	7.50E-06	4.44E-07	3.78E-06	7.26E-06
3,394	5.07E-07	4.24E-06	8.43E-06	5.03E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.06E-06	4.58E-07	3.93E-06	7.50E-06	4.44E-07	3.78E-06	7.25E-06
3,395	5.07E-07	4.24E-06	8.42E-06	5.03E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.06E-06	4.58E-07	3.93E-06	7.49E-06	4.44E-07	3.78E-06	7.25E-06
3,396	5.07E-07	4.24E-06	8.42E-06	5.03E-07	4.25E-06	8.35E-06	4.80E-07	4.22E-06	8.05E-06	4.57E-07	3.92E-06	7.49E-06	4.43E-07	3.78E-06	7.25E-06
3,397	5.07E-07	4.24E-06	8.42E-06	5.03E-07	4.25E-06	8.35E-06	4.79E-07	4.21E-06	8.05E-06	4.57E-07	3.92E-06	7.48E-06	4.43E-07	3.77E-06	7.25E-06
3,398	5.07E-07	4.24E-06	8.42E-06	5.03E-07	4.25E-06	8.35E-06	4.79E-07	4.21E-06	8.05E-06	4.57E-07	3.92E-06	7.48E-06	4.43E-07	3.77E-06	7.25E-06
3,399	5.07E-07	4.24E-06	8.42E-06	5.03E-07	4.25E-06	8.34E-06	4.79E-07	4.21E-06	8.05E-06	4.57E-07	3.92E-06	7.48E-06	4.43E-07	3.77E-06	7.25E-06
3,400	5.06E-07	4.24E-06	8.42E-06	5.02E-07	4.24E-06	8.34E-06	4.79E-07	4.21E-06	8.04E-06	4.57E-07	3.91E-06	7.47E-06	4.43E-07	3.77E-06	7.24E-06
3,401	5.06E-07	4.24E-06	8.42E-06	5.02E-07	4.23E-06	8.34E-06	4.79E-07	4.21E-06	8.04E-06	4.57E-07	3.91E-06	7.47E-06	4.43E-07	3.77E-06	7.24E-06
3,402	5.06E-07	4.24E-06	8.42E-06	5.02E-07	4.23E-06	8.34E-06	4.79E-07	4.21E-06	8.04E-06	4.57E-07	3.91E-06	7.47E-06	4.43E-07	3.77E-06	7.24E-06
3,403	5.06E-07	4.24E-06	8.42E-06	5.02E-07	4.23E-06	8.33E-06	4.79E-07	4.21E-06	8.03E-06	4.57E-07	3.91E-06	7.47E-06	4.43E-07	3.77E-06	7.24E-06
3,404	5.06E-07	4.24E-06	8.41E-06	5.02E-07	4.22E-06	8.33E-06	4.78E-07	4.20E-06	8.03E-06	4.56E-07	3.91E-06	7.47E-06	4.42E-07	3.77E-06	7.24E-06
3,405	5.05E-07	4.23E-06	8.41E-06	5.02E-07	4.22E-06	8.33E-06	4.78E-07	4.20E-06	8.03E-06	4.56E-07	3.91E-06	7.47E-06	4.42E-07	3.77E-06	7.23E-06
3,406	5.05E-07	4.23E-06	8.41E-06	5.01E-07	4.22E-06	8.33E-06	4.78E-07	4.20E-06	8.02E-06	4.56E-07	3.91E-06	7.46E-06	4.42E-07	3.76E-06	7.23E-06
3,407	5.05E-07	4.23E-06	8.41E-06	5.01E-07	4.22E-06	8.32E-06	4.78E-07	4.20E-06	8.02E-06	4.56E-07	3.91E-06	7.45E-06	4.41E-07	3.76E-06	7.23E-06
3,408	5.05E-07	4.23E-06	8.41E-06	5.01E-07	4.22E-06	8.32E-06	4.78E-07	4.20E-06	8.02E-06	4.56E-07	3.90E-06	7.45E-06	4.41E-07	3.76E-06	7.23E-06
3,409	5.05E-07	4.23E-06	8.40E-06	5.01E-07	4.22E-06	8.32E-06	4.78E-07	4.20E-06	8.02E-06	4.56E-07	3.90E-06	7.45E-06	4.41E-07	3.76E-06	7.23E-06
3,410	5.05E-07	4.23E-06	8.40E-06	5.01E-07	4.22E-06	8.32E-06	4.78E-07	4.19E-06	8.02E-06	4.56E-07	3.90E-06	7.45E-06	4.41E-07	3.76E-06	7.22E-06
3,411	5.05E-07	4.23E-06	8.40E-06	5.00E-07	4.22E-06	8.32E-06	4.78E-07	4.19E-06	8.02E-06	4.55E-07	3.90E-06	7.45E-06	4.41E-07	3.76E-06	7.22E-06
3,412	5.04E-07	4.23E-06	8.39E-06	5.00E-07	4.22E-06	8.31E-06	4.78E-07	4.19E-06	8.02E-06	4.55E-07	3.90E-06	7.44E-06	4.41E-07	3.76E-06	7.22E-06
3,413	5.04E-07	4.23E-06	8.39E-06	5.00E-07	4.22E-06	8.31E-06	4.77E-07	4.19E-06	8.01E-06	4.55E-07	3.90E-06	7.44E-06	4.40E-07	3.76E-06	7.22E-06
3,414	5.04E-07	4.23E-06	8.39E-06	5.00E-07	4.21E-06	8.31E-06	4.77E-07	4.19E-06	8.01E-06	4.55E-07	3.90E-06	7.44E-06	4.40E-07	3.75E-06	7.22E-06
3,415	5.04E-07	4.22E-06	8.39E-06	5.00E-07	4.21E-06	8.31E-06	4.77E-07	4.19E-06	8.01E-06	4.55E-07	3.90E-06	7.44E-06	4.40E-07	3.75E-06	7.22E-06
3,416	5.04E-07	4.22E-06	8.39E-06	5.00E-07	4.21E-06	8.31E-06	4.76E-07	4.18E-06	8.00E-06	4.55E-07	3.90E-06	7.44E-06	4.40E-07	3.75E-06	7.21E-06
3,417	5.04E-07	4.22E-06	8.39E-06	4.99E-07	4.21E-06	8.31E-06	4.75E-07	4.18E-06	8.00E-06	4.54E-07	3.89E-06	7.44E-06	4.40E-07	3.75E-06	7.21E-06
3,418	5.04E-07	4.22E-06	8.38E-06	4.99E-07	4.21E-06	8.31E-06	4.75E-07	4.18E-06	8.00E-06	4.54E-07	3.89E-06	7.44E-06	4.40E-07	3.75E-06	7.21E-06
3,419	5.04E-07	4.22E-06	8.38E-06	4.99E-07	4.21E-06	8.31E-06	4.75E-07	4.18E-06	8.00E-06	4.54E-07	3.89E-06	7.44E-06	4.39E-07	3.75E-06	7.21E-06
3,420	5.04E-07	4.22E-06	8.38E-06	4.99E-07	4.21E-06	8.31E-06	4.75E-07	4.18E-06	7.99E-06	4.54E-07	3.88E-06	7.44E-06	4.39E-07	3.75E-06	7.21E-06
3,421	5.04E-07	4.22E-06	8.38E-06	4.99E-07	4.21E-06	8.30E-06	4.75E-07	4.17E-06	7.99E-06	4.54E-07	3.88E-06	7.43E-06	4.39E-07	3.75E-06	7.20E-06
3,422	5.04E-07	4.21E-06	8.38E-06	4.98E-07	4.20E-06	8.30E-06	4.75E-07	4.17E-06	7.99E-06	4.54E-07	3.88E-06	7.43E-06	4.38E-07	3.75E-06	7.20E-06
3,423	5.03E-07	4.21E-06	8.36E-06	4.98E-07	4.20E-06	8.30E-06	4.75E-07	4.17E-06	7.99E-06	4.54E-07	3.88E-06	7.43E-06	4.38E-07	3.75E-06	7.20E-06
3,424	5.03E-07	4.21E-06	8.36E-06	4.98E-07	4.20E-06	8.29E-06	4.75E-07	4.17E-06	7.99E-06	4.54E-07	3.88E-06	7.43E-06	4.38E-07	3.75E-06	7.19E-06
3,425	5.03E-07	4.21E-06	8.36E-06	4.98E-07	4.20E-06	8.29E-06	4.75E-07	4.17E-06	7.99E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.19E-06
3,426	5.03E-07	4.21E-06	8.35E-06	4.98E-07	4.20E-06	8.29E-06	4.74E-07	4.16E-06	7.98E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.19E-06
3,427	5.03E-07	4.21E-06	8.35E-06	4.98E-07	4.20E-06	8.29E-06	4.74E-07	4.16E-06	7.98E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.19E-06
3,428	5.02E-07	4.20E-06	8.35E-06	4.98E-07	4.20E-06	8.29E-06	4.74E-07	4.16E-06	7.97E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.19E-06
3,429	5.02E-07	4.20E-06	8.35E-06	4.97E-07	4.19E-06	8.28E-06	4.74E-07	4.16E-06	7.97E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.18E-06
3,430	5.02E-07	4.20E-06	8.34E-06	4.97E-07	4.19E-06	8.28E-06	4.74E-07	4.16E-06	7.97E-06	4.53E-07	3.87E-06	7.42E-06	4.38E-07	3.74E-06	7.18E-06
3,431	5.02E-07	4.20E-06	8.34E-06	4.97E-07	4.19E-06	8.28E-06	4.74E-07	4.16E-06	7.97E-06	4.53E-07	3.87E-06	7.42E-06	4.37E-07	3.73E-06	7.18E-06
3,432	5.01E-07	4.20E-06	8.34E-06	4.97E-07	4.19E-06	8.27E-06	4.74E-07	4.16E-06	7.97E-06	4.53E-07	3.87E-06	7.42E-06	4.37E-07	3.73E-06	7.18E-06
3,433	5.01E-07	4.20E-06	8.34E-06	4.97E-07	4.19E-06	8.27E-06	4.73E-07	4.16E-06	7.96E-06	4.53E-07	3.87E-06	7.42E-06	4.36E-07	3.73E-06	7.18E-06
3,434	5.01E-07	4.20E-06	8.33E-06	4.97E-07	4.19E-06	8.27E-06	4.73E-07	4.16E-06	7.96E-06	4.53E-07	3.87E-06	7.41E-06	4.36E-07	3.73E-06	7.18E-06
3,435	5.01E-07	4.20E-06	8.33E-06	4.97E-07	4.19E-06	8.27E-06	4.73E-07	4.16E-06	7.96E-06	4.53E-07	3.86E-06	7.41E-06	4.36E-07	3.73E-06	7.17E-06
3,436	5.01E-07	4.20E-06	8.33E-06	4.96E-07	4.19E-06	8.27E-06	4.73E-07	4.16E-06	7.96E-06	4.53E-07	3.86E-06	7.41E-06	4.36E-07	3.73E-06	7.17E-06
3,437	5.01E-07	4.20E-06	8.33E-06	4.96E-07	4.18E-06	8.26E-06	4.73E-07	4.16E-06	7.95E-06	4.53E-07	3.86E-06	7.41E-06	4.36E-07	3.73E-06	7.17E-06
3,438	5.01E-07	4.20E-06	8.33E-06	4.96E-07	4.18E-06	8.26E-06	4.72E-07	4.15E-06	7.95E-06	4.52E-07	3.86E-06	7.41E-06	4.36E-07	3.72E-06	7.17E-06
3,439	5.01E-07	4.19E-06	8.33E-06	4.95E-07	4.18E-06	8.26E-06	4.72E-07	4.15E-06	7.95E-06	4.52E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.17E-06
3,440	5.01E-07	4.19E-06	8.33E-06	4.95E-07	4.18E-06	8.25E-06	4.72E-07	4.15E-06	7.94E-06	4.52E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.16E-06
3,441	5.01E-07	4.19E-06	8.32E-06	4.95E-07	4.18E-06	8.25E-06	4.72E-07	4.15E-06	7.94E-06	4.51E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.16E-06
3,442	5.00E-07	4.19E-06	8.32E-06	4.95E-07	4.18E-06	8.25E-06	4.72E-07	4.15E-06	7.94E-06	4.51E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.16E-06
3,443	5.00E-07	4.19E-06	8.31E-06	4.95E-07	4.18E-06	8.25E-06	4.72E-07	4.15E-06	7.94E-06	4.51E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.15E-06
3,444	5.00E-07	4.19E-06	8.31E-06	4.95E-07	4.18E-06	8.24E-06	4.72E-07	4.15E-06	7.93E-06	4.51E-07	3.86E-06	7.40E-06	4.35E-07	3.72E-06	7.15E-06
3,445	5.00E-07	4.19E-06	8.30E-06	4.94E-07	4.18E-06	8.24E-06	4.72E-07	4.14E-06	7.93E-06	4.51E-07	3.86E-06	7.39E-06	4.35E-07	3.72E-06	7.15E-06
3,446	5.00E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,450	4.99E-07	4.19E-06	8.29E-06	4.93E-07	4.17E-06	8.22E-06	4.71E-07	4.13E-06	7.92E-06	4.51E-07	3.85E-06	7.39E-06	4.35E-07	3.72E-06	7.14E-06
3,451	4.99E-07	4.19E-06	8.29E-06	4.93E-07	4.17E-06	8.21E-06	4.71E-07	4.13E-06	7.91E-06	4.51E-07	3.85E-06	7.38E-06	4.34E-07	3.72E-06	7.14E-06
3,452	4.99E-07	4.18E-06	8.28E-06	4.93E-07	4.17E-06	8.21E-06	4.71E-07	4.13E-06	7.91E-06	4.50E-07	3.84E-06	7.38E-06	4.34E-07	3.71E-06	7.14E-06
3,453	4.99E-07	4.18E-06	8.28E-06	4.93E-07	4.17E-06	8.21E-06	4.70E-07	4.13E-06	7.91E-06	4.50E-07	3.84E-06	7.38E-06	4.34E-07	3.71E-06	7.13E-06
3,454	4.98E-07	4.18E-06	8.28E-06	4.92E-07	4.17E-06	8.20E-06	4.70E-07	4.13E-06	7.90E-06	4.50E-07	3.84E-06	7.38E-06	4.34E-07	3.71E-06	7.13E-06
3,455	4.98E-07	4.18E-06	8.28E-06	4.92E-07	4.16E-06	8.20E-06	4.70E-07	4.13E-06	7.90E-06	4.50E-07	3.84E-06	7.38E-06	4.34E-07	3.71E-06	7.13E-06
3,456	4.98E-07	4.17E-06	8.27E-06	4.92E-07	4.16E-06	8.20E-06	4.69E-07	4.13E-06	7.90E-06	4.50E-07	3.84E-06	7.38E-06	4.34E-07	3.71E-06	7.13E-06
3,457	4.98E-07	4.17E-06	8.27E-06	4.92E-07	4.16E-06	8.19E-06	4.69E-07	4.13E-06	7.90E-06	4.50E-07	3.84E-06	7.37E-06	4.34E-07	3.71E-06	7.13E-06
3,458	4.98E-07	4.17E-06	8.27E-06	4.92E-07	4.16E-06	8.19E-06	4.69E-07	4.12E-06	7.90E-06	4.50E-07	3.83E-06	7.37E-06	4.34E-07	3.71E-06	7.12E-06
3,459	4.97E-07	4.17E-06	8.27E-06	4.92E-07	4.16E-06	8.19E-06	4.69E-07	4.12E-06	7.90E-06	4.50E-07	3.83E-06	7.37E-06	4.33E-07	3.71E-06	7.12E-06
3,460	4.97E-07	4.17E-06	8.27E-06	4.92E-07	4.15E-06	8.19E-06	4.69E-07	4.12E-06	7.89E-06	4.50E-07	3.83E-06	7.37E-06	4.33E-07	3.71E-06	7.12E-06
3,461	4.97E-07	4.17E-06	8.27E-06	4.92E-07	4.15E-06	8.19E-06	4.68E-07	4.12E-06	7.89E-06	4.49E-07	3.83E-06	7.36E-06	4.33E-07	3.71E-06	7.12E-06
3,462	4.97E-07	4.17E-06	8.27E-06	4.92E-07	4.15E-06	8.18E-06	4.68E-07	4.11E-06	7.89E-06	4.49E-07	3.83E-06	7.36E-06	4.33E-07	3.70E-06	7.12E-06
3,463	4.96E-07	4.16E-06	8.27E-06	4.92E-07	4.15E-06	8.18E-06	4.68E-07	4.11E-06	7.89E-06	4.49E-07	3.83E-06	7.36E-06	4.33E-07	3.70E-06	7.11E-06
3,464	4.96E-07	4.16E-06	8.27E-06	4.92E-07	4.15E-06	8.17E-06	4.68E-07	4.11E-06	7.89E-06	4.49E-07	3.82E-06	7.36E-06	4.33E-07	3.70E-06	7.11E-06
3,465	4.96E-07	4.16E-06	8.26E-06	4.91E-07	4.15E-06	8.17E-06	4.68E-07	4.11E-06	7.89E-06	4.49E-07	3.82E-06	7.35E-06	4.33E-07	3.70E-06	7.11E-06
3,466	4.96E-07	4.16E-06	8.26E-06	4.91E-07	4.14E-06	8.17E-06	4.68E-07	4.10E-06	7.89E-06	4.49E-07	3.82E-06	7.35E-06	4.33E-07	3.69E-06	7.11E-06
3,467	4.96E-07	4.16E-06	8.26E-06	4.91E-07	4.14E-06	8.17E-06	4.67E-07	4.10E-06	7.89E-06	4.49E-07	3.82E-06	7.35E-06	4.32E-07	3.69E-06	7.10E-06
3,468	4.96E-07	4.15E-06	8.25E-06	4.91E-07	4.14E-06	8.17E-06	4.67E-07	4.10E-06	7.88E-06	4.49E-07	3.82E-06	7.35E-06	4.32E-07	3.69E-06	7.10E-06
3,469	4.96E-07	4.15E-06	8.25E-06	4.91E-07	4.14E-06	8.17E-06	4.66E-07	4.10E-06	7.87E-06	4.49E-07	3.82E-06	7.34E-06	4.32E-07	3.69E-06	7.10E-06
3,470	4.95E-07	4.15E-06	8.25E-06	4.91E-07	4.13E-06	8.16E-06	4.66E-07	4.10E-06	7.87E-06	4.49E-07	3.82E-06	7.34E-06	4.32E-07	3.69E-06	7.10E-06
3,471	4.95E-07	4.15E-06	8.25E-06	4.91E-07	4.13E-06	8.16E-06	4.66E-07	4.09E-06	7.87E-06	4.49E-07	3.82E-06	7.34E-06	4.32E-07	3.69E-06	7.10E-06
3,472	4.95E-07	4.14E-06	8.25E-06	4.91E-07	4.13E-06	8.16E-06	4.66E-07	4.09E-06	7.87E-06	4.49E-07	3.82E-06	7.34E-06	4.32E-07	3.69E-06	7.10E-06
3,473	4.95E-07	4.13E-06	8.25E-06	4.91E-07	4.13E-06	8.16E-06	4.66E-07	4.09E-06	7.87E-06	4.49E-07	3.81E-06	7.34E-06	4.32E-07	3.69E-06	7.09E-06
3,474	4.95E-07	4.13E-06	8.25E-06	4.91E-07	4.13E-06	8.15E-06	4.66E-07	4.09E-06	7.87E-06	4.49E-07	3.81E-06	7.34E-06	4.32E-07	3.69E-06	7.09E-06
3,475	4.95E-07	4.13E-06	8.24E-06	4.91E-07	4.13E-06	8.15E-06	4.66E-07	4.09E-06	7.87E-06	4.49E-07	3.81E-06	7.34E-06	4.32E-07	3.69E-06	7.09E-06
3,476	4.94E-07	4.13E-06	8.24E-06	4.90E-07	4.13E-06	8.15E-06	4.66E-07	4.08E-06	7.87E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.69E-06	7.09E-06
3,477	4.94E-07	4.13E-06	8.24E-06	4.90E-07	4.12E-06	8.15E-06	4.65E-07	4.08E-06	7.87E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.69E-06	7.09E-06
3,478	4.94E-07	4.13E-06	8.24E-06	4.90E-07	4.12E-06	8.15E-06	4.65E-07	4.08E-06	7.86E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.68E-06	7.09E-06
3,479	4.94E-07	4.13E-06	8.24E-06	4.90E-07	4.12E-06	8.14E-06	4.65E-07	4.08E-06	7.86E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.68E-06	7.09E-06
3,480	4.94E-07	4.13E-06	8.23E-06	4.90E-07	4.11E-06	8.14E-06	4.65E-07	4.08E-06	7.86E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.68E-06	7.09E-06
3,481	4.94E-07	4.13E-06	8.23E-06	4.90E-07	4.11E-06	8.14E-06	4.65E-07	4.08E-06	7.86E-06	4.48E-07	3.81E-06	7.33E-06	4.31E-07	3.68E-06	7.08E-06
3,482	4.94E-07	4.13E-06	8.23E-06	4.89E-07	4.11E-06	8.14E-06	4.65E-07	4.08E-06	7.86E-06	4.48E-07	3.81E-06	7.32E-06	4.31E-07	3.68E-06	7.08E-06
3,483	4.94E-07	4.13E-06	8.22E-06	4.89E-07	4.11E-06	8.14E-06	4.65E-07	4.07E-06	7.86E-06	4.48E-07	3.81E-06	7.32E-06	4.31E-07	3.68E-06	7.08E-06
3,484	4.93E-07	4.13E-06	8.22E-06	4.89E-07	4.10E-06	8.14E-06	4.65E-07	4.07E-06	7.85E-06	4.48E-07	3.81E-06	7.32E-06	4.31E-07	3.68E-06	7.07E-06
3,485	4.93E-07	4.12E-06	8.22E-06	4.89E-07	4.10E-06	8.14E-06	4.65E-07	4.07E-06	7.84E-06	4.48E-07	3.80E-06	7.32E-06	4.31E-07	3.68E-06	7.07E-06
3,486	4.93E-07	4.12E-06	8.22E-06	4.89E-07	4.10E-06	8.13E-06	4.65E-07	4.07E-06	7.84E-06	4.48E-07	3.80E-06	7.31E-06	4.31E-07	3.68E-06	7.07E-06
3,487	4.93E-07	4.12E-06	8.22E-06	4.89E-07	4.09E-06	8.13E-06	4.64E-07	4.06E-06	7.84E-06	4.47E-07	3.80E-06	7.31E-06	4.30E-07	3.68E-06	7.07E-06
3,488	4.93E-07	4.12E-06	8.22E-06	4.88E-07	4.09E-06	8.13E-06	4.64E-07	4.06E-06	7.84E-06	4.47E-07	3.80E-06	7.31E-06	4.30E-07	3.68E-06	7.07E-06
3,489	4.92E-07	4.12E-06	8.21E-06	4.88E-07	4.08E-06	8.12E-06	4.64E-07	4.06E-06	7.84E-06	4.47E-07	3.80E-06	7.31E-06	4.30E-07	3.67E-06	7.07E-06
3,490	4.92E-07	4.12E-06	8.21E-06	4.88E-07	4.08E-06	8.12E-06	4.64E-07	4.06E-06	7.83E-06	4.47E-07	3.80E-06	7.31E-06	4.30E-07	3.67E-06	7.07E-06
3,491	4.92E-07	4.12E-06	8.21E-06	4.88E-07	4.08E-06	8.12E-06	4.64E-07	4.06E-06	7.83E-06	4.47E-07	3.80E-06	7.30E-06	4.30E-07	3.67E-06	7.07E-06
3,492	4.92E-07	4.12E-06	8.21E-06	4.88E-07	4.08E-06	8.12E-06	4.64E-07	4.05E-06	7.83E-06	4.47E-07	3.80E-06	7.30E-06	4.30E-07	3.67E-06	7.07E-06
3,493	4.92E-07	4.12E-06	8.21E-06	4.87E-07	4.08E-06	8.12E-06	4.64E-07	4.05E-06	7.83E-06	4.47E-07	3.79E-06	7.30E-06	4.29E-07	3.67E-06	7.07E-06
3,494	4.91E-07	4.12E-06	8.20E-06	4.87E-07	4.08E-06	8.12E-06	4.63E-07	4.05E-06	7.82E-06	4.47E-07	3.79E-06	7.30E-06	4.29E-07	3.67E-06	7.06E-06
3,495	4.91E-07	4.11E-06	8.20E-06	4.87E-07	4.08E-06	8.11E-06	4.63E-07	4.05E-06	7.82E-06	4.47E-07	3.79E-06	7.30E-06	4.29E-07	3.67E-06	7.06E-06
3,496	4.91E-07	4.11E-06	8.20E-06	4.87E-07	4.07E-06	8.11E-06	4.63E-07	4.05E-06	7.82E-06	4.47E-07	3.79E-06	7.30E-06	4.29E-07	3.66E-06	7.06E-06
3,497	4.91E-07	4.11E-06	8.20E-06	4.87E-07	4.07E-06	8.10E-06	4.63E-07	4.05E-06	7.82E-06	4.47E-07	3.79E-06	7.29E-06	4.29E-07	3.66E-06	7.06E-06
3,498	4.91E-07	4.11E-06	8.20E-06	4.87E-07	4.06E-06	8.10E-06	4.63E-07	4.05E-06	7.82E-06	4.47E-07	3.79E-06	7.29E-06	4.29E-07	3.66E-06	7.05E-06
3,499	4.90E-07	4.10E-06	8.20E-06	4.87E-07	4.06E-06	8.09E-06	4.63E-07	4.05E-06	7.81E-06	4.47E-07	3.79E-06	7.29E-06	4.29E-07	3.66E-06	7.05E-06
3,500	4.90E-07	4.10E-06	8.20E-06	4.86E-07	4.06E-06	8.09E-06	4.62E-07	4.05E-06	7.81E-06	4.46E-07	3.79E-06	7.29E-06	4.29E-07	3.65E-06	7.04E-06
3,501	4.90E-07	4.10E-06	8.19E-06	4.86E-07	4.06E-06	8.09E-06	4.62E-07	4.04E-06	7.81E-06	4.46E-07	3.79E-06	7.29E-06	4.28E-07	3.65E-06	7.04E-06
3,502	4.90E-07	4.10E-06	8.19E-06	4.86E-07	4.06E-06	8.08E-06	4.62E-07	4.04E-06	7.81E-06	4.46E-07	3.79E-06	7.29E-06	4.28E-07	3.65E-06	7.04E-06
3,503	4.90E-07	4.10E-06	8.19E-06	4.86E-07	4.06E-06	8.08E-06	4.62E-07	4.04E-06	7.81E-06	4.46E-07	3.79E-06	7.29E-06	4.28E-07	3.65E-06	7.04E-06
3,504	4.90E-07	4.10E-06	8.19E-06	4.86E-07	4.06E-06	8.08E-06	4.62E-07	4.04E-06	7.81E-06	4.46E-07	3.78E-06	7.28E-06	4.28E-07	3.65E-06	7.04E-06
3,505	4.90E-07	4.09E-06	8.19E-06	4.86E-07	4.05E-06	8.08E-06	4.62E-07	4.04E-06	7.80E-06	4.46E-07	3.78E-06	7.28E-06	4.28E-07	3.65E-06	7.03E-06
3,506	4.90E-07	4.09E-06	8.18E-06	4.86E-07	4.05E-06	8.08E-06	4.62E-07	4.04E-06	7.80E-06	4.46E-07	3.78E-06	7.28E-06	4.28E-07	3.65E-06	7.03E-06
3,507	4.90E-07	4.09E-06	8.18E-06	4.86E-07	4.05E-06	8.07E-06	4.62E-07	4.04E-06	7.80E-06	4.46E-07	3.78E-06	7.28E-06	4.28E-07	3.65E-06	7.03E-06
3,508	4.90E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,512	4.89E-07	4.08E-06	8.17E-06	4.85E-07	4.04E-06	8.06E-06	4.61E-07	4.03E-06	7.80E-06	4.45E-07	3.78E-06	7.27E-06	4.27E-07	3.64E-06	7.02E-06
3,513	4.89E-07	4.08E-06	8.17E-06	4.85E-07	4.04E-06	8.06E-06	4.61E-07	4.03E-06	7.79E-06	4.45E-07	3.78E-06	7.27E-06	4.27E-07	3.64E-06	7.02E-06
3,514	4.89E-07	4.08E-06	8.16E-06	4.85E-07	4.04E-06	8.06E-06	4.61E-07	4.03E-06	7.79E-06	4.45E-07	3.78E-06	7.27E-06	4.27E-07	3.64E-06	7.02E-06
3,515	4.89E-07	4.08E-06	8.16E-06	4.85E-07	4.04E-06	8.06E-06	4.61E-07	4.03E-06	7.79E-06	4.45E-07	3.77E-06	7.27E-06	4.27E-07	3.64E-06	7.01E-06
3,516	4.89E-07	4.08E-06	8.16E-06	4.85E-07	4.04E-06	8.05E-06	4.61E-07	4.03E-06	7.79E-06	4.45E-07	3.77E-06	7.27E-06	4.27E-07	3.64E-06	7.01E-06
3,517	4.89E-07	4.08E-06	8.15E-06	4.85E-07	4.04E-06	8.05E-06	4.61E-07	4.03E-06	7.79E-06	4.45E-07	3.77E-06	7.27E-06	4.27E-07	3.64E-06	7.00E-06
3,518	4.89E-07	4.07E-06	8.15E-06	4.85E-07	4.04E-06	8.05E-06	4.61E-07	4.02E-06	7.79E-06	4.45E-07	3.77E-06	7.27E-06	4.27E-07	3.63E-06	7.00E-06
3,519	4.88E-07	4.07E-06	8.14E-06	4.85E-07	4.04E-06	8.05E-06	4.61E-07	4.02E-06	7.78E-06	4.45E-07	3.77E-06	7.26E-06	4.27E-07	3.63E-06	7.00E-06
3,520	4.88E-07	4.07E-06	8.14E-06	4.85E-07	4.04E-06	8.05E-06	4.60E-07	4.02E-06	7.78E-06	4.44E-07	3.76E-06	7.26E-06	4.26E-07	3.63E-06	6.99E-06
3,521	4.88E-07	4.07E-06	8.14E-06	4.85E-07	4.03E-06	8.05E-06	4.60E-07	4.02E-06	7.78E-06	4.44E-07	3.76E-06	7.26E-06	4.26E-07	3.63E-06	6.99E-06
3,522	4.88E-07	4.06E-06	8.13E-06	4.85E-07	4.03E-06	8.04E-06	4.60E-07	4.02E-06	7.78E-06	4.44E-07	3.76E-06	7.26E-06	4.26E-07	3.63E-06	6.99E-06
3,523	4.88E-07	4.06E-06	8.13E-06	4.85E-07	4.03E-06	8.04E-06	4.60E-07	4.01E-06	7.78E-06	4.44E-07	3.76E-06	7.26E-06	4.26E-07	3.62E-06	6.99E-06
3,524	4.88E-07	4.06E-06	8.13E-06	4.84E-07	4.03E-06	8.04E-06	4.60E-07	4.01E-06	7.78E-06	4.44E-07	3.76E-06	7.25E-06	4.26E-07	3.62E-06	6.99E-06
3,525	4.87E-07	4.06E-06	8.13E-06	4.84E-07	4.03E-06	8.04E-06	4.60E-07	4.01E-06	7.77E-06	4.44E-07	3.76E-06	7.25E-06	4.26E-07	3.62E-06	6.99E-06
3,526	4.87E-07	4.05E-06	8.13E-06	4.84E-07	4.02E-06	8.03E-06	4.59E-07	4.01E-06	7.77E-06	4.44E-07	3.76E-06	7.25E-06	4.26E-07	3.62E-06	6.98E-06
3,527	4.87E-07	4.05E-06	8.12E-06	4.84E-07	4.02E-06	8.03E-06	4.59E-07	4.01E-06	7.77E-06	4.44E-07	3.76E-06	7.24E-06	4.26E-07	3.62E-06	6.98E-06
3,528	4.87E-07	4.05E-06	8.12E-06	4.84E-07	4.02E-06	8.03E-06	4.59E-07	4.00E-06	7.77E-06	4.44E-07	3.76E-06	7.24E-06	4.26E-07	3.62E-06	6.98E-06
3,529	4.86E-07	4.05E-06	8.12E-06	4.84E-07	4.02E-06	8.03E-06	4.59E-07	4.00E-06	7.76E-06	4.44E-07	3.76E-06	7.24E-06	4.26E-07	3.61E-06	6.97E-06
3,530	4.86E-07	4.05E-06	8.11E-06	4.84E-07	4.02E-06	8.03E-06	4.59E-07	4.00E-06	7.76E-06	4.44E-07	3.76E-06	7.24E-06	4.26E-07	3.61E-06	6.97E-06
3,531	4.86E-07	4.05E-06	8.11E-06	4.84E-07	4.02E-06	8.02E-06	4.59E-07	4.00E-06	7.76E-06	4.44E-07	3.76E-06	7.24E-06	4.26E-07	3.61E-06	6.97E-06
3,532	4.86E-07	4.05E-06	8.11E-06	4.83E-07	4.02E-06	8.02E-06	4.59E-07	4.00E-06	7.76E-06	4.43E-07	3.75E-06	7.24E-06	4.26E-07	3.61E-06	6.97E-06
3,533	4.85E-07	4.05E-06	8.10E-06	4.83E-07	4.02E-06	8.02E-06	4.59E-07	4.00E-06	7.76E-06	4.43E-07	3.75E-06	7.24E-06	4.25E-07	3.61E-06	6.97E-06
3,534	4.85E-07	4.05E-06	8.10E-06	4.83E-07	4.02E-06	8.01E-06	4.59E-07	4.00E-06	7.76E-06	4.43E-07	3.75E-06	7.24E-06	4.25E-07	3.61E-06	6.97E-06
3,535	4.85E-07	4.04E-06	8.10E-06	4.83E-07	4.02E-06	8.01E-06	4.58E-07	4.00E-06	7.75E-06	4.43E-07	3.75E-06	7.23E-06	4.25E-07	3.61E-06	6.97E-06
3,536	4.85E-07	4.04E-06	8.09E-06	4.83E-07	4.01E-06	8.01E-06	4.58E-07	4.00E-06	7.74E-06	4.43E-07	3.75E-06	7.23E-06	4.25E-07	3.61E-06	6.97E-06
3,537	4.85E-07	4.04E-06	8.09E-06	4.83E-07	4.01E-06	8.01E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.75E-06	7.23E-06	4.24E-07	3.61E-06	6.97E-06
3,538	4.85E-07	4.04E-06	8.09E-06	4.83E-07	4.01E-06	8.01E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.75E-06	7.23E-06	4.24E-07	3.61E-06	6.96E-06
3,539	4.85E-07	4.04E-06	8.09E-06	4.82E-07	4.01E-06	8.01E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.75E-06	7.23E-06	4.24E-07	3.61E-06	6.96E-06
3,540	4.84E-07	4.04E-06	8.09E-06	4.82E-07	4.01E-06	8.00E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.74E-06	7.23E-06	4.24E-07	3.60E-06	6.96E-06
3,541	4.84E-07	4.04E-06	8.09E-06	4.82E-07	4.01E-06	8.00E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.74E-06	7.23E-06	4.24E-07	3.60E-06	6.96E-06
3,542	4.84E-07	4.04E-06	8.09E-06	4.82E-07	4.01E-06	8.00E-06	4.58E-07	3.99E-06	7.74E-06	4.42E-07	3.74E-06	7.23E-06	4.24E-07	3.60E-06	6.96E-06
3,543	4.84E-07	4.04E-06	8.08E-06	4.82E-07	4.01E-06	8.00E-06	4.58E-07	3.99E-06	7.73E-06	4.41E-07	3.74E-06	7.23E-06	4.24E-07	3.60E-06	6.96E-06
3,544	4.84E-07	4.03E-06	8.08E-06	4.82E-07	4.01E-06	8.00E-06	4.58E-07	3.98E-06	7.73E-06	4.41E-07	3.74E-06	7.23E-06	4.24E-07	3.60E-06	6.95E-06
3,545	4.84E-07	4.03E-06	8.08E-06	4.82E-07	4.00E-06	8.00E-06	4.58E-07	3.98E-06	7.73E-06	4.41E-07	3.74E-06	7.22E-06	4.24E-07	3.60E-06	6.95E-06
3,546	4.83E-07	4.03E-06	8.08E-06	4.82E-07	4.00E-06	8.00E-06	4.58E-07	3.98E-06	7.73E-06	4.41E-07	3.74E-06	7.22E-06	4.24E-07	3.60E-06	6.95E-06
3,547	4.83E-07	4.03E-06	8.08E-06	4.82E-07	4.00E-06	8.00E-06	4.58E-07	3.98E-06	7.73E-06	4.41E-07	3.74E-06	7.22E-06	4.24E-07	3.60E-06	6.95E-06
3,548	4.83E-07	4.03E-06	8.07E-06	4.82E-07	4.00E-06	7.99E-06	4.57E-07	3.98E-06	7.73E-06	4.41E-07	3.73E-06	7.22E-06	4.24E-07	3.60E-06	6.95E-06
3,549	4.83E-07	4.03E-06	8.07E-06	4.82E-07	4.00E-06	7.99E-06	4.57E-07	3.97E-06	7.73E-06	4.41E-07	3.73E-06	7.22E-06	4.24E-07	3.60E-06	6.94E-06
3,550	4.83E-07	4.03E-06	8.07E-06	4.81E-07	4.00E-06	7.99E-06	4.57E-07	3.97E-06	7.73E-06	4.41E-07	3.73E-06	7.21E-06	4.24E-07	3.59E-06	6.94E-06
3,551	4.83E-07	4.02E-06	8.07E-06	4.81E-07	4.00E-06	7.99E-06	4.57E-07	3.97E-06	7.72E-06	4.41E-07	3.73E-06	7.21E-06	4.24E-07	3.59E-06	6.94E-06
3,552	4.83E-07	4.02E-06	8.07E-06	4.81E-07	4.00E-06	7.98E-06	4.57E-07	3.97E-06	7.72E-06	4.41E-07	3.73E-06	7.21E-06	4.24E-07	3.59E-06	6.94E-06
3,553	4.82E-07	4.02E-06	8.07E-06	4.81E-07	4.00E-06	7.98E-06	4.57E-07	3.97E-06	7.72E-06	4.40E-07	3.73E-06	7.21E-06	4.24E-07	3.59E-06	6.94E-06
3,554	4.82E-07	4.02E-06	8.07E-06	4.81E-07	4.00E-06	7.98E-06	4.57E-07	3.97E-06	7.72E-06	4.40E-07	3.72E-06	7.20E-06	4.24E-07	3.59E-06	6.93E-06
3,555	4.82E-07	4.02E-06	8.06E-06	4.81E-07	4.00E-06	7.98E-06	4.57E-07	3.97E-06	7.72E-06	4.40E-07	3.72E-06	7.20E-06	4.23E-07	3.59E-06	6.93E-06
3,556	4.82E-07	4.02E-06	8.05E-06	4.80E-07	3.99E-06	7.97E-06	4.57E-07	3.96E-06	7.72E-06	4.40E-07	3.72E-06	7.19E-06	4.23E-07	3.58E-06	6.93E-06
3,557	4.82E-07	4.02E-06	8.04E-06	4.80E-07	3.99E-06	7.97E-06	4.57E-07	3.96E-06	7.71E-06	4.40E-07	3.72E-06	7.19E-06	4.23E-07	3.58E-06	6.93E-06
3,558	4.82E-07	4.02E-06	8.04E-06	4.80E-07	3.99E-06	7.97E-06	4.56E-07	3.96E-06	7.71E-06	4.40E-07	3.72E-06	7.19E-06	4.23E-07	3.58E-06	6.93E-06
3,559	4.82E-07	4.02E-06	8.04E-06	4.80E-07	3.99E-06	7.97E-06	4.56E-07	3.96E-06	7.71E-06	4.40E-07	3.72E-06	7.19E-06	4.22E-07	3.58E-06	6.93E-06
3,560	4.81E-07	4.01E-06	8.03E-06	4.79E-07	3.99E-06	7.96E-06	4.56E-07	3.96E-06	7.70E-06	4.39E-07	3.72E-06	7.19E-06	4.22E-07	3.58E-06	6.92E-06
3,561	4.81E-07	4.01E-06	8.03E-06	4.79E-07	3.98E-06	7.96E-06	4.55E-07	3.96E-06	7.70E-06	4.39E-07	3.72E-06	7.19E-06	4.22E-07	3.58E-06	6.92E-06
3,562	4.81E-07	4.01E-06	8.02E-06	4.79E-07	3.98E-06	7.96E-06	4.55E-07	3.96E-06	7.69E-06	4.39E-07	3.72E-06	7.19E-06	4.22E-07	3.58E-06	6.92E-06
3,563	4.81E-07	4.01E-06	8.02E-06	4.79E-07	3.98E-06	7.96E-06	4.55E-07	3.96E-06	7.69E-06	4.39E-07	3.72E-06	7.19E-06	4.22E-07	3.57E-06	6.92E-06
3,564	4.81E-07	4.01E-06	8.02E-06	4.79E-07	3.98E-06	7.95E-06	4.55E-07	3.95E-06	7.69E-06	4.39E-07	3.71E-06	7.18E-06	4.22E-07	3.57E-06	6.92E-06
3,565	4.81E-07	4.01E-06	8.02E-06	4.78E-07	3.98E-06	7.95E-06	4.55E-07	3.95E-06	7.68E-06	4.39E-07	3.71E-06	7.18E-06	4.22E-07	3.57E-06	6.91E-06
3,566	4.81E-07	4.01E-06	8.02E-06	4.78E-07	3.98E-06	7.95E-06	4.55E-07	3.95E-06	7.68E-06	4.39E-07	3.71E-06	7.18E-06	4.22E-07	3.57E-06	6.91E-06
3,567	4.81E-07	4.00E-06	8.02E-06	4.78E-07	3.97E-06	7.94E-06	4.55E-07	3.95E-06	7.68E-06	4.39E-07	3.71E-06	7.18E-06	4.22E-07	3.57E-06	6.91E-06
3,568	4.81E-07	4.00E-06	8.01E-06	4.78E-07	3.97E-06	7.94E-06	4.55E-07	3.95E-06	7.68E-06	4.39E-07	3.71E-06	7.18E-06	4.22E-07	3.57E-06	6.91E-06
3,569	4.81E-07	4.00E-06	8.01E-06	4.78E-07	3.97E-06	7.94E-06	4.55E-07	3.94E-06	7.68E-06	4.39E-07	3.71E-06	7.18E-06	4.21E-07	3.57E-06	6.91E-06
3,570	4.81E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,574	4.80E-07	4.00E-06	8.00E-06	4.78E-07	3.96E-06	7.92E-06	4.54E-07	3.94E-06	7.67E-06	4.38E-07	3.70E-06	7.17E-06	4.21E-07	3.56E-06	6.89E-06
3,575	4.80E-07	3.99E-06	8.00E-06	4.78E-07	3.96E-06	7.92E-06	4.54E-07	3.93E-06	7.67E-06	4.37E-07	3.70E-06	7.17E-06	4.21E-07	3.56E-06	6.89E-06
3,576	4.80E-07	3.99E-06	8.00E-06	4.77E-07	3.96E-06	7.92E-06	4.54E-07	3.93E-06	7.66E-06	4.37E-07	3.69E-06	7.17E-06	4.20E-07	3.56E-06	6.89E-06
3,577	4.80E-07	3.99E-06	8.00E-06	4.77E-07	3.96E-06	7.91E-06	4.54E-07	3.93E-06	7.66E-06	4.37E-07	3.69E-06	7.17E-06	4.20E-07	3.56E-06	6.89E-06
3,578	4.79E-07	3.99E-06	8.00E-06	4.77E-07	3.96E-06	7.91E-06	4.54E-07	3.93E-06	7.66E-06	4.37E-07	3.69E-06	7.16E-06	4.20E-07	3.56E-06	6.89E-06
3,579	4.79E-07	3.99E-06	8.00E-06	4.77E-07	3.96E-06	7.91E-06	4.54E-07	3.93E-06	7.66E-06	4.37E-07	3.69E-06	7.16E-06	4.20E-07	3.56E-06	6.88E-06
3,580	4.79E-07	3.99E-06	8.00E-06	4.77E-07	3.96E-06	7.91E-06	4.53E-07	3.92E-06	7.66E-06	4.36E-07	3.69E-06	7.16E-06	4.20E-07	3.56E-06	6.88E-06
3,581	4.79E-07	3.98E-06	8.00E-06	4.77E-07	3.96E-06	7.90E-06	4.53E-07	3.92E-06	7.65E-06	4.36E-07	3.69E-06	7.15E-06	4.20E-07	3.56E-06	6.87E-06
3,582	4.79E-07	3.98E-06	7.99E-06	4.77E-07	3.96E-06	7.90E-06	4.53E-07	3.92E-06	7.65E-06	4.36E-07	3.69E-06	7.15E-06	4.20E-07	3.56E-06	6.87E-06
3,583	4.79E-07	3.98E-06	7.99E-06	4.77E-07	3.96E-06	7.90E-06	4.52E-07	3.92E-06	7.65E-06	4.36E-07	3.69E-06	7.15E-06	4.20E-07	3.56E-06	6.87E-06
3,584	4.79E-07	3.98E-06	7.99E-06	4.77E-07	3.96E-06	7.90E-06	4.52E-07	3.92E-06	7.65E-06	4.36E-07	3.69E-06	7.15E-06	4.20E-07	3.55E-06	6.87E-06
3,585	4.79E-07	3.98E-06	7.99E-06	4.77E-07	3.95E-06	7.90E-06	4.52E-07	3.92E-06	7.65E-06	4.36E-07	3.69E-06	7.15E-06	4.20E-07	3.55E-06	6.87E-06
3,586	4.78E-07	3.98E-06	7.98E-06	4.76E-07	3.95E-06	7.89E-06	4.51E-07	3.92E-06	7.64E-06	4.35E-07	3.68E-06	7.15E-06	4.20E-07	3.55E-06	6.87E-06
3,587	4.78E-07	3.98E-06	7.98E-06	4.76E-07	3.95E-06	7.89E-06	4.51E-07	3.92E-06	7.64E-06	4.35E-07	3.68E-06	7.14E-06	4.19E-07	3.55E-06	6.86E-06
3,588	4.78E-07	3.98E-06	7.97E-06	4.76E-07	3.95E-06	7.89E-06	4.51E-07	3.92E-06	7.64E-06	4.35E-07	3.68E-06	7.14E-06	4.19E-07	3.55E-06	6.86E-06
3,589	4.78E-07	3.98E-06	7.97E-06	4.76E-07	3.95E-06	7.89E-06	4.51E-07	3.92E-06	7.64E-06	4.35E-07	3.68E-06	7.14E-06	4.19E-07	3.55E-06	6.86E-06
3,590	4.78E-07	3.97E-06	7.97E-06	4.76E-07	3.95E-06	7.89E-06	4.51E-07	3.92E-06	7.63E-06	4.35E-07	3.68E-06	7.13E-06	4.19E-07	3.55E-06	6.86E-06
3,591	4.78E-07	3.97E-06	7.97E-06	4.76E-07	3.95E-06	7.88E-06	4.51E-07	3.92E-06	7.63E-06	4.35E-07	3.68E-06	7.13E-06	4.19E-07	3.54E-06	6.85E-06
3,592	4.78E-07	3.97E-06	7.97E-06	4.76E-07	3.95E-06	7.88E-06	4.51E-07	3.92E-06	7.63E-06	4.35E-07	3.68E-06	7.13E-06	4.19E-07	3.54E-06	6.85E-06
3,593	4.78E-07	3.97E-06	7.96E-06	4.76E-07	3.95E-06	7.88E-06	4.50E-07	3.92E-06	7.62E-06	4.35E-07	3.68E-06	7.12E-06	4.19E-07	3.54E-06	6.85E-06
3,594	4.78E-07	3.97E-06	7.96E-06	4.75E-07	3.95E-06	7.88E-06	4.50E-07	3.91E-06	7.62E-06	4.35E-07	3.67E-06	7.12E-06	4.18E-07	3.54E-06	6.85E-06
3,595	4.77E-07	3.96E-06	7.96E-06	4.75E-07	3.95E-06	7.88E-06	4.50E-07	3.91E-06	7.62E-06	4.35E-07	3.67E-06	7.12E-06	4.18E-07	3.53E-06	6.85E-06
3,596	4.77E-07	3.96E-06	7.96E-06	4.75E-07	3.95E-06	7.88E-06	4.50E-07	3.91E-06	7.62E-06	4.34E-07	3.67E-06	7.11E-06	4.18E-07	3.53E-06	6.85E-06
3,597	4.77E-07	3.96E-06	7.96E-06	4.75E-07	3.95E-06	7.88E-06	4.50E-07	3.91E-06	7.62E-06	4.34E-07	3.67E-06	7.11E-06	4.18E-07	3.53E-06	6.85E-06
3,598	4.77E-07	3.96E-06	7.95E-06	4.75E-07	3.95E-06	7.88E-06	4.50E-07	3.91E-06	7.61E-06	4.34E-07	3.67E-06	7.11E-06	4.18E-07	3.53E-06	6.84E-06
3,599	4.77E-07	3.96E-06	7.95E-06	4.75E-07	3.94E-06	7.88E-06	4.50E-07	3.91E-06	7.61E-06	4.34E-07	3.67E-06	7.11E-06	4.18E-07	3.53E-06	6.84E-06
3,600	4.77E-07	3.96E-06	7.95E-06	4.74E-07	3.94E-06	7.88E-06	4.50E-07	3.91E-06	7.61E-06	4.34E-07	3.67E-06	7.11E-06	4.18E-07	3.53E-06	6.84E-06
3,601	4.77E-07	3.96E-06	7.95E-06	4.74E-07	3.94E-06	7.88E-06	4.50E-07	3.90E-06	7.61E-06	4.34E-07	3.67E-06	7.10E-06	4.17E-07	3.53E-06	6.84E-06
3,602	4.77E-07	3.96E-06	7.95E-06	4.74E-07	3.94E-06	7.87E-06	4.50E-07	3.90E-06	7.61E-06	4.34E-07	3.67E-06	7.10E-06	4.17E-07	3.53E-06	6.84E-06
3,603	4.76E-07	3.95E-06	7.95E-06	4.74E-07	3.94E-06	7.87E-06	4.50E-07	3.90E-06	7.60E-06	4.34E-07	3.67E-06	7.10E-06	4.17E-07	3.53E-06	6.84E-06
3,604	4.76E-07	3.95E-06	7.95E-06	4.74E-07	3.94E-06	7.87E-06	4.50E-07	3.90E-06	7.60E-06	4.34E-07	3.67E-06	7.10E-06	4.17E-07	3.53E-06	6.83E-06
3,605	4.76E-07	3.95E-06	7.93E-06	4.73E-07	3.93E-06	7.86E-06	4.50E-07	3.90E-06	7.60E-06	4.34E-07	3.66E-06	7.10E-06	4.17E-07	3.52E-06	6.83E-06
3,606	4.76E-07	3.95E-06	7.93E-06	4.73E-07	3.93E-06	7.86E-06	4.49E-07	3.90E-06	7.59E-06	4.34E-07	3.66E-06	7.10E-06	4.17E-07	3.52E-06	6.82E-06
3,607	4.76E-07	3.95E-06	7.93E-06	4.73E-07	3.93E-06	7.86E-06	4.49E-07	3.90E-06	7.59E-06	4.34E-07	3.66E-06	7.09E-06	4.17E-07	3.52E-06	6.82E-06
3,608	4.76E-07	3.95E-06	7.93E-06	4.73E-07	3.93E-06	7.86E-06	4.49E-07	3.90E-06	7.59E-06	4.33E-07	3.66E-06	7.09E-06	4.17E-07	3.52E-06	6.82E-06
3,609	4.76E-07	3.95E-06	7.92E-06	4.73E-07	3.93E-06	7.86E-06	4.49E-07	3.90E-06	7.59E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.52E-06	6.82E-06
3,610	4.76E-07	3.95E-06	7.92E-06	4.73E-07	3.93E-06	7.86E-06	4.49E-07	3.90E-06	7.59E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.52E-06	6.81E-06
3,611	4.76E-07	3.95E-06	7.92E-06	4.72E-07	3.93E-06	7.85E-06	4.49E-07	3.90E-06	7.58E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.52E-06	6.81E-06
3,612	4.76E-07	3.95E-06	7.91E-06	4.72E-07	3.93E-06	7.85E-06	4.49E-07	3.90E-06	7.58E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.51E-06	6.81E-06
3,613	4.76E-07	3.95E-06	7.91E-06	4.72E-07	3.92E-06	7.84E-06	4.49E-07	3.89E-06	7.57E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.51E-06	6.81E-06
3,614	4.76E-07	3.95E-06	7.91E-06	4.72E-07	3.92E-06	7.84E-06	4.49E-07	3.89E-06	7.57E-06	4.33E-07	3.66E-06	7.09E-06	4.16E-07	3.51E-06	6.81E-06
3,615	4.75E-07	3.95E-06	7.91E-06	4.72E-07	3.92E-06	7.84E-06	4.49E-07	3.89E-06	7.57E-06	4.32E-07	3.66E-06	7.09E-06	4.16E-07	3.51E-06	6.81E-06
3,616	4.75E-07	3.94E-06	7.91E-06	4.72E-07	3.92E-06	7.84E-06	4.48E-07	3.89E-06	7.57E-06	4.32E-07	3.66E-06	7.09E-06	4.16E-07	3.51E-06	6.81E-06
3,617	4.75E-07	3.94E-06	7.91E-06	4.72E-07	3.92E-06	7.84E-06	4.48E-07	3.89E-06	7.57E-06	4.32E-07	3.66E-06	7.08E-06	4.16E-07	3.51E-06	6.80E-06
3,618	4.75E-07	3.94E-06	7.90E-06	4.72E-07	3.92E-06	7.84E-06	4.48E-07	3.89E-06	7.56E-06	4.32E-07	3.66E-06	7.08E-06	4.16E-07	3.51E-06	6.80E-06
3,619	4.75E-07	3.94E-06	7.90E-06	4.71E-07	3.91E-06	7.83E-06	4.48E-07	3.89E-06	7.56E-06	4.32E-07	3.66E-06	7.08E-06	4.15E-07	3.51E-06	6.80E-06
3,620	4.75E-07	3.94E-06	7.90E-06	4.71E-07	3.91E-06	7.83E-06	4.48E-07	3.88E-06	7.56E-06	4.32E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.80E-06
3,621	4.75E-07	3.94E-06	7.89E-06	4.71E-07	3.91E-06	7.83E-06	4.48E-07	3.88E-06	7.56E-06	4.32E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.80E-06
3,622	4.75E-07	3.93E-06	7.89E-06	4.71E-07	3.91E-06	7.83E-06	4.48E-07	3.88E-06	7.56E-06	4.32E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.80E-06
3,623	4.75E-07	3.93E-06	7.89E-06	4.71E-07	3.91E-06	7.83E-06	4.47E-07	3.88E-06	7.56E-06	4.32E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.79E-06
3,624	4.75E-07	3.93E-06	7.88E-06	4.71E-07	3.91E-06	7.83E-06	4.47E-07	3.88E-06	7.56E-06	4.31E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.79E-06
3,625	4.75E-07	3.93E-06	7.88E-06	4.71E-07	3.91E-06	7.82E-06	4.47E-07	3.88E-06	7.54E-06	4.31E-07	3.65E-06	7.07E-06	4.15E-07	3.50E-06	6.79E-06
3,626	4.74E-07	3.92E-06	7.88E-06	4.71E-07	3.91E-06	7.82E-06	4.47E-07	3.88E-06	7.54E-06	4.31E-07	3.65E-06	7.06E-06	4.15E-07	3.50E-06	6.79E-06
3,627	4.74E-07	3.92E-06	7.88E-06	4.70E-07	3.90E-06	7.82E-06	4.47E-07	3.88E-06	7.54E-06	4.31E-07	3.64E-06	7.05E-06	4.15E-07	3.50E-06	6.79E-06
3,628	4.74E-07	3.92E-06	7.88E-06	4.70E-07	3.90E-06	7.82E-06	4.47E-07	3.88E-06	7.54E-06	4.31E-07	3.64E-06	7.05E-06	4.14E-07	3.50E-06	6.79E-06
3,629	4.74E-07	3.92E-06	7.88E-06	4.69E-07	3.90E-06	7.81E-06	4.47E-07	3.88E-06	7.54E-06	4.30E-07	3.64E-06	7.05E-06	4.14E-07	3.50E-06	6.78E-06
3,630	4.74E-07	3.92E-06	7.87E-06	4.69E-07	3.90E-06	7.81E-06	4.47E-07	3.88E-06	7.53E-06	4.30E-07	3.64E-06	7.04E-06	4.14E-07	3.49E-06	6.78E-06
3,631	4.73E-07	3.92E-06	7.87E-06	4.69E-07	3.90E-06	7.81E-06	4.47E-07	3.87E-06	7.53E-06	4.30E-07	3.64E-06	7.04E-06	4.14E-07	3.49E-06	6.78E-06
3,632	4.73E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,636	4.72E-07	3.91E-06	7.86E-06	4.68E-07	3.89E-06	7.79E-06	4.47E-07	3.87E-06	7.52E-06	4.29E-07	3.64E-06	7.04E-06	4.13E-07	3.49E-06	6.75E-06
3,637	4.72E-07	3.91E-06	7.85E-06	4.68E-07	3.88E-06	7.79E-06	4.46E-07	3.86E-06	7.52E-06	4.29E-07	3.64E-06	7.04E-06	4.13E-07	3.49E-06	6.75E-06
3,638	4.72E-07	3.91E-06	7.85E-06	4.68E-07	3.88E-06	7.79E-06	4.46E-07	3.86E-06	7.51E-06	4.29E-07	3.64E-06	7.03E-06	4.13E-07	3.49E-06	6.75E-06
3,639	4.72E-07	3.90E-06	7.85E-06	4.68E-07	3.88E-06	7.79E-06	4.46E-07	3.86E-06	7.51E-06	4.29E-07	3.64E-06	7.03E-06	4.13E-07	3.49E-06	6.75E-06
3,640	4.72E-07	3.90E-06	7.85E-06	4.68E-07	3.87E-06	7.78E-06	4.46E-07	3.86E-06	7.50E-06	4.28E-07	3.64E-06	7.03E-06	4.13E-07	3.49E-06	6.75E-06
3,641	4.72E-07	3.90E-06	7.85E-06	4.68E-07	3.87E-06	7.78E-06	4.46E-07	3.86E-06	7.50E-06	4.28E-07	3.64E-06	7.03E-06	4.12E-07	3.49E-06	6.75E-06
3,642	4.72E-07	3.90E-06	7.85E-06	4.67E-07	3.87E-06	7.78E-06	4.46E-07	3.86E-06	7.50E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.48E-06	6.75E-06
3,643	4.72E-07	3.90E-06	7.85E-06	4.67E-07	3.87E-06	7.78E-06	4.46E-07	3.86E-06	7.50E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.48E-06	6.74E-06
3,644	4.71E-07	3.90E-06	7.84E-06	4.67E-07	3.87E-06	7.78E-06	4.45E-07	3.85E-06	7.50E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.48E-06	6.74E-06
3,645	4.71E-07	3.90E-06	7.84E-06	4.66E-07	3.87E-06	7.77E-06	4.45E-07	3.85E-06	7.49E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.48E-06	6.74E-06
3,646	4.71E-07	3.90E-06	7.84E-06	4.66E-07	3.87E-06	7.77E-06	4.45E-07	3.85E-06	7.49E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.48E-06	6.74E-06
3,647	4.71E-07	3.89E-06	7.84E-06	4.66E-07	3.87E-06	7.77E-06	4.45E-07	3.85E-06	7.49E-06	4.28E-07	3.63E-06	7.02E-06	4.12E-07	3.47E-06	6.74E-06
3,648	4.71E-07	3.89E-06	7.84E-06	4.65E-07	3.87E-06	7.77E-06	4.45E-07	3.85E-06	7.49E-06	4.27E-07	3.63E-06	7.02E-06	4.12E-07	3.47E-06	6.74E-06
3,649	4.71E-07	3.89E-06	7.84E-06	4.65E-07	3.87E-06	7.77E-06	4.45E-07	3.85E-06	7.49E-06	4.27E-07	3.63E-06	7.02E-06	4.12E-07	3.47E-06	6.74E-06
3,650	4.71E-07	3.89E-06	7.83E-06	4.65E-07	3.86E-06	7.77E-06	4.45E-07	3.85E-06	7.48E-06	4.27E-07	3.62E-06	7.01E-06	4.12E-07	3.47E-06	6.73E-06
3,651	4.71E-07	3.89E-06	7.83E-06	4.65E-07	3.86E-06	7.76E-06	4.45E-07	3.85E-06	7.48E-06	4.27E-07	3.62E-06	7.01E-06	4.12E-07	3.47E-06	6.73E-06
3,652	4.70E-07	3.89E-06	7.83E-06	4.65E-07	3.86E-06	7.76E-06	4.44E-07	3.85E-06	7.48E-06	4.27E-07	3.62E-06	7.00E-06	4.12E-07	3.47E-06	6.72E-06
3,653	4.70E-07	3.89E-06	7.83E-06	4.65E-07	3.86E-06	7.76E-06	4.44E-07	3.85E-06	7.48E-06	4.26E-07	3.62E-06	7.00E-06	4.12E-07	3.47E-06	6.72E-06
3,654	4.70E-07	3.89E-06	7.82E-06	4.65E-07	3.86E-06	7.76E-06	4.44E-07	3.85E-06	7.48E-06	4.26E-07	3.62E-06	7.00E-06	4.11E-07	3.47E-06	6.72E-06
3,655	4.70E-07	3.89E-06	7.82E-06	4.65E-07	3.86E-06	7.76E-06	4.44E-07	3.85E-06	7.48E-06	4.26E-07	3.62E-06	7.00E-06	4.11E-07	3.47E-06	6.72E-06
3,656	4.70E-07	3.88E-06	7.82E-06	4.65E-07	3.86E-06	7.76E-06	4.44E-07	3.84E-06	7.48E-06	4.26E-07	3.62E-06	6.99E-06	4.11E-07	3.47E-06	6.72E-06
3,657	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.86E-06	7.75E-06	4.43E-07	3.84E-06	7.47E-06	4.26E-07	3.62E-06	6.99E-06	4.11E-07	3.47E-06	6.71E-06
3,658	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.85E-06	7.75E-06	4.43E-07	3.84E-06	7.47E-06	4.26E-07	3.62E-06	6.99E-06	4.11E-07	3.47E-06	6.71E-06
3,659	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.85E-06	7.74E-06	4.43E-07	3.84E-06	7.47E-06	4.26E-07	3.62E-06	6.99E-06	4.11E-07	3.46E-06	6.71E-06
3,660	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.85E-06	7.74E-06	4.43E-07	3.84E-06	7.47E-06	4.25E-07	3.61E-06	6.99E-06	4.11E-07	3.46E-06	6.71E-06
3,661	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.85E-06	7.74E-06	4.43E-07	3.84E-06	7.47E-06	4.25E-07	3.61E-06	6.99E-06	4.11E-07	3.46E-06	6.71E-06
3,662	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.84E-06	7.73E-06	4.42E-07	3.83E-06	7.46E-06	4.25E-07	3.61E-06	6.98E-06	4.11E-07	3.46E-06	6.70E-06
3,663	4.69E-07	3.88E-06	7.81E-06	4.64E-07	3.84E-06	7.72E-06	4.42E-07	3.83E-06	7.46E-06	4.25E-07	3.61E-06	6.98E-06	4.11E-07	3.46E-06	6.70E-06
3,664	4.68E-07	3.88E-06	7.80E-06	4.64E-07	3.84E-06	7.72E-06	4.42E-07	3.83E-06	7.46E-06	4.25E-07	3.61E-06	6.98E-06	4.11E-07	3.45E-06	6.70E-06
3,665	4.67E-07	3.88E-06	7.80E-06	4.64E-07	3.84E-06	7.72E-06	4.42E-07	3.83E-06	7.46E-06	4.25E-07	3.61E-06	6.98E-06	4.10E-07	3.45E-06	6.70E-06
3,666	4.67E-07	3.87E-06	7.80E-06	4.64E-07	3.84E-06	7.72E-06	4.42E-07	3.83E-06	7.46E-06	4.25E-07	3.61E-06	6.97E-06	4.10E-07	3.45E-06	6.70E-06
3,667	4.67E-07	3.87E-06	7.80E-06	4.64E-07	3.84E-06	7.72E-06	4.42E-07	3.82E-06	7.46E-06	4.25E-07	3.61E-06	6.97E-06	4.10E-07	3.45E-06	6.70E-06
3,668	4.67E-07	3.87E-06	7.79E-06	4.63E-07	3.84E-06	7.71E-06	4.41E-07	3.82E-06	7.46E-06	4.25E-07	3.61E-06	6.97E-06	4.10E-07	3.45E-06	6.70E-06
3,669	4.67E-07	3.87E-06	7.79E-06	4.63E-07	3.84E-06	7.71E-06	4.41E-07	3.82E-06	7.45E-06	4.25E-07	3.61E-06	6.97E-06	4.10E-07	3.45E-06	6.70E-06
3,670	4.67E-07	3.87E-06	7.79E-06	4.63E-07	3.84E-06	7.71E-06	4.41E-07	3.81E-06	7.45E-06	4.25E-07	3.60E-06	6.97E-06	4.10E-07	3.45E-06	6.69E-06
3,671	4.67E-07	3.86E-06	7.79E-06	4.63E-07	3.84E-06	7.70E-06	4.41E-07	3.81E-06	7.45E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.69E-06
3,672	4.67E-07	3.86E-06	7.78E-06	4.63E-07	3.83E-06	7.70E-06	4.41E-07	3.81E-06	7.44E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.69E-06
3,673	4.66E-07	3.86E-06	7.78E-06	4.63E-07	3.83E-06	7.70E-06	4.41E-07	3.81E-06	7.44E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.68E-06
3,674	4.66E-07	3.86E-06	7.78E-06	4.63E-07	3.83E-06	7.70E-06	4.41E-07	3.81E-06	7.44E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.68E-06
3,675	4.66E-07	3.86E-06	7.78E-06	4.63E-07	3.83E-06	7.70E-06	4.40E-07	3.81E-06	7.43E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.68E-06
3,676	4.66E-07	3.86E-06	7.78E-06	4.63E-07	3.83E-06	7.69E-06	4.40E-07	3.81E-06	7.43E-06	4.24E-07	3.60E-06	6.96E-06	4.10E-07	3.44E-06	6.67E-06
3,677	4.66E-07	3.86E-06	7.77E-06	4.62E-07	3.83E-06	7.69E-06	4.40E-07	3.81E-06	7.42E-06	4.24E-07	3.60E-06	6.95E-06	4.09E-07	3.44E-06	6.66E-06
3,678	4.66E-07	3.86E-06	7.77E-06	4.62E-07	3.83E-06	7.69E-06	4.40E-07	3.80E-06	7.42E-06	4.24E-07	3.60E-06	6.95E-06	4.09E-07	3.44E-06	6.66E-06
3,679	4.66E-07	3.86E-06	7.77E-06	4.62E-07	3.83E-06	7.69E-06	4.40E-07	3.80E-06	7.42E-06	4.24E-07	3.60E-06	6.95E-06	4.09E-07	3.44E-06	6.65E-06
3,680	4.65E-07	3.86E-06	7.77E-06	4.62E-07	3.82E-06	7.69E-06	4.40E-07	3.80E-06	7.42E-06	4.24E-07	3.60E-06	6.95E-06	4.09E-07	3.44E-06	6.65E-06
3,681	4.65E-07	3.85E-06	7.76E-06	4.62E-07	3.82E-06	7.68E-06	4.40E-07	3.80E-06	7.42E-06	4.24E-07	3.60E-06	6.95E-06	4.09E-07	3.44E-06	6.65E-06
3,682	4.65E-07	3.85E-06	7.76E-06	4.62E-07	3.82E-06	7.68E-06	4.40E-07	3.80E-06	7.42E-06	4.23E-07	3.59E-06	6.95E-06	4.09E-07	3.43E-06	6.65E-06
3,683	4.65E-07	3.85E-06	7.75E-06	4.62E-07	3.82E-06	7.67E-06	4.40E-07	3.80E-06	7.42E-06	4.23E-07	3.59E-06	6.95E-06	4.08E-07	3.43E-06	6.65E-06
3,684	4.65E-07	3.85E-06	7.74E-06	4.62E-07	3.82E-06	7.67E-06	4.40E-07	3.80E-06	7.42E-06	4.23E-07	3.59E-06	6.95E-06	4.08E-07	3.43E-06	6.65E-06
3,685	4.65E-07	3.85E-06	7.74E-06	4.61E-07	3.81E-06	7.67E-06	4.39E-07	3.79E-06	7.41E-06	4.23E-07	3.59E-06	6.95E-06	4.08E-07	3.43E-06	6.65E-06
3,686	4.65E-07	3.85E-06	7.73E-06	4.61E-07	3.81E-06	7.66E-06	4.39E-07	3.79E-06	7.41E-06	4.23E-07	3.59E-06	6.95E-06	4.08E-07	3.43E-06	6.65E-06
3,687	4.64E-07	3.85E-06	7.73E-06	4.61E-07	3.81E-06	7.66E-06	4.39E-07	3.79E-06	7.41E-06	4.23E-07	3.59E-06	6.94E-06	4.08E-07	3.43E-06	6.64E-06
3,688	4.64E-07	3.85E-06	7.73E-06	4.61E-07	3.81E-06	7.66E-06	4.39E-07	3.79E-06	7.40E-06	4.23E-07	3.59E-06	6.94E-06	4.08E-07	3.43E-06	6.64E-06
3,689	4.64E-07	3.85E-06	7.73E-06	4.61E-07	3.81E-06	7.65E-06	4.39E-07	3.79E-06	7.40E-06	4.23E-07	3.59E-06	6.94E-06	4.08E-07	3.43E-06	6.64E-06
3,690	4.64E-07	3.84E-06	7.73E-06	4.61E-07	3.81E-06	7.64E-06	4.39E-07	3.78E-06	7.40E-06	4.23E-07	3.58E-06	6.94E-06	4.08E-07	3.43E-06	6.64E-06
3,691	4.64E-07	3.84E-06	7.72E-06	4.61E-07	3.81E-06	7.64E-06	4.38E-07	3.78E-06	7.40E-06	4.23E-07	3.58E-06	6.94E-06	4.08E-07	3.43E-06	6.64E-06
3,692	4.64E-07	3.84E-06	7.72E-06	4.61E-07	3.81E-06	7.64E-06	4.38E-07	3.78E-06	7.40E-06	4.22E-07	3.58E-06	6.94E-06	4.08E-07	3.42E-06	6.63E-06
3,693	4.64E-07	3.84E-06	7.72E-06	4.61E-07	3.81E-06	7.64E-06	4.38E-07	3.78E-06	7.39E-06	4.22E-07	3.58E-06	6.93E-06	4.07E-07	3.42E-06	6.63E-06
3,694	4.64E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,698	4.63E-07	3.84E-06	7.71E-06	4.60E-07	3.80E-06	7.63E-06	4.37E-07	3.77E-06	7.39E-06	4.22E-07	3.58E-06	6.92E-06	4.07E-07	3.42E-06	6.60E-06
3,699	4.63E-07	3.83E-06	7.70E-06	4.60E-07	3.80E-06	7.63E-06	4.37E-07	3.77E-06	7.38E-06	4.21E-07	3.58E-06	6.92E-06	4.07E-07	3.42E-06	6.60E-06
3,700	4.62E-07	3.83E-06	7.70E-06	4.60E-07	3.80E-06	7.63E-06	4.37E-07	3.77E-06	7.38E-06	4.21E-07	3.57E-06	6.92E-06	4.07E-07	3.42E-06	6.59E-06
3,701	4.62E-07	3.83E-06	7.70E-06	4.59E-07	3.80E-06	7.63E-06	4.37E-07	3.77E-06	7.38E-06	4.21E-07	3.57E-06	6.92E-06	4.07E-07	3.42E-06	6.59E-06
3,702	4.62E-07	3.83E-06	7.69E-06	4.59E-07	3.80E-06	7.63E-06	4.37E-07	3.76E-06	7.38E-06	4.21E-07	3.57E-06	6.92E-06	4.06E-07	3.42E-06	6.59E-06
3,703	4.62E-07	3.83E-06	7.69E-06	4.59E-07	3.79E-06	7.62E-06	4.37E-07	3.76E-06	7.38E-06	4.21E-07	3.57E-06	6.91E-06	4.06E-07	3.42E-06	6.59E-06
3,704	4.62E-07	3.83E-06	7.68E-06	4.59E-07	3.79E-06	7.62E-06	4.37E-07	3.76E-06	7.37E-06	4.21E-07	3.57E-06	6.91E-06	4.06E-07	3.42E-06	6.59E-06
3,705	4.62E-07	3.82E-06	7.68E-06	4.59E-07	3.79E-06	7.61E-06	4.36E-07	3.76E-06	7.37E-06	4.21E-07	3.57E-06	6.90E-06	4.06E-07	3.41E-06	6.59E-06
3,706	4.62E-07	3.82E-06	7.68E-06	4.58E-07	3.79E-06	7.61E-06	4.36E-07	3.76E-06	7.37E-06	4.21E-07	3.57E-06	6.90E-06	4.06E-07	3.41E-06	6.59E-06
3,707	4.62E-07	3.82E-06	7.68E-06	4.58E-07	3.79E-06	7.61E-06	4.36E-07	3.76E-06	7.37E-06	4.21E-07	3.57E-06	6.90E-06	4.05E-07	3.41E-06	6.58E-06
3,708	4.61E-07	3.82E-06	7.67E-06	4.58E-07	3.79E-06	7.61E-06	4.36E-07	3.76E-06	7.37E-06	4.21E-07	3.57E-06	6.89E-06	4.05E-07	3.41E-06	6.58E-06
3,709	4.61E-07	3.82E-06	7.66E-06	4.57E-07	3.79E-06	7.61E-06	4.36E-07	3.76E-06	7.36E-06	4.20E-07	3.56E-06	6.89E-06	4.05E-07	3.41E-06	6.58E-06
3,710	4.61E-07	3.82E-06	7.65E-06	4.57E-07	3.78E-06	7.60E-06	4.35E-07	3.76E-06	7.36E-06	4.20E-07	3.56E-06	6.89E-06	4.05E-07	3.41E-06	6.58E-06
3,711	4.61E-07	3.81E-06	7.65E-06	4.57E-07	3.78E-06	7.60E-06	4.35E-07	3.76E-06	7.36E-06	4.20E-07	3.56E-06	6.89E-06	4.05E-07	3.41E-06	6.58E-06
3,712	4.61E-07	3.81E-06	7.65E-06	4.57E-07	3.78E-06	7.60E-06	4.35E-07	3.75E-06	7.36E-06	4.20E-07	3.56E-06	6.89E-06	4.05E-07	3.41E-06	6.58E-06
3,713	4.61E-07	3.81E-06	7.65E-06	4.56E-07	3.78E-06	7.60E-06	4.35E-07	3.75E-06	7.36E-06	4.20E-07	3.56E-06	6.88E-06	4.05E-07	3.41E-06	6.58E-06
3,714	4.60E-07	3.81E-06	7.65E-06	4.56E-07	3.78E-06	7.60E-06	4.35E-07	3.75E-06	7.36E-06	4.20E-07	3.56E-06	6.88E-06	4.05E-07	3.41E-06	6.58E-06
3,715	4.60E-07	3.81E-06	7.64E-06	4.56E-07	3.78E-06	7.60E-06	4.35E-07	3.75E-06	7.36E-06	4.20E-07	3.56E-06	6.88E-06	4.04E-07	3.41E-06	6.57E-06
3,716	4.60E-07	3.81E-06	7.64E-06	4.56E-07	3.78E-06	7.60E-06	4.35E-07	3.75E-06	7.35E-06	4.20E-07	3.56E-06	6.88E-06	4.04E-07	3.41E-06	6.57E-06
3,717	4.60E-07	3.81E-06	7.64E-06	4.56E-07	3.78E-06	7.59E-06	4.34E-07	3.75E-06	7.35E-06	4.20E-07	3.56E-06	6.88E-06	4.04E-07	3.41E-06	6.57E-06
3,718	4.60E-07	3.81E-06	7.64E-06	4.56E-07	3.77E-06	7.59E-06	4.34E-07	3.75E-06	7.35E-06	4.20E-07	3.56E-06	6.88E-06	4.04E-07	3.41E-06	6.57E-06
3,719	4.60E-07	3.80E-06	7.64E-06	4.56E-07	3.77E-06	7.59E-06	4.34E-07	3.75E-06	7.35E-06	4.20E-07	3.56E-06	6.88E-06	4.04E-07	3.40E-06	6.57E-06
3,720	4.60E-07	3.80E-06	7.64E-06	4.55E-07	3.77E-06	7.59E-06	4.34E-07	3.75E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.57E-06
3,721	4.60E-07	3.80E-06	7.64E-06	4.55E-07	3.77E-06	7.58E-06	4.34E-07	3.75E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.56E-06
3,722	4.59E-07	3.80E-06	7.64E-06	4.55E-07	3.77E-06	7.58E-06	4.33E-07	3.75E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.56E-06
3,723	4.59E-07	3.80E-06	7.63E-06	4.55E-07	3.77E-06	7.58E-06	4.33E-07	3.74E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.56E-06
3,724	4.59E-07	3.80E-06	7.63E-06	4.55E-07	3.76E-06	7.58E-06	4.33E-07	3.74E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.56E-06
3,725	4.59E-07	3.80E-06	7.63E-06	4.55E-07	3.76E-06	7.58E-06	4.33E-07	3.74E-06	7.34E-06	4.20E-07	3.55E-06	6.87E-06	4.03E-07	3.40E-06	6.56E-06
3,726	4.59E-07	3.80E-06	7.63E-06	4.54E-07	3.76E-06	7.58E-06	4.33E-07	3.74E-06	7.33E-06	4.20E-07	3.55E-06	6.86E-06	4.03E-07	3.40E-06	6.55E-06
3,727	4.59E-07	3.80E-06	7.63E-06	4.54E-07	3.76E-06	7.58E-06	4.33E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.03E-07	3.40E-06	6.55E-06
3,728	4.59E-07	3.79E-06	7.62E-06	4.54E-07	3.76E-06	7.57E-06	4.33E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.03E-07	3.40E-06	6.54E-06
3,729	4.59E-07	3.79E-06	7.62E-06	4.54E-07	3.76E-06	7.56E-06	4.33E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.02E-07	3.39E-06	6.54E-06
3,730	4.59E-07	3.79E-06	7.62E-06	4.54E-07	3.76E-06	7.56E-06	4.33E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.02E-07	3.39E-06	6.54E-06
3,731	4.58E-07	3.79E-06	7.62E-06	4.54E-07	3.76E-06	7.56E-06	4.32E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.02E-07	3.39E-06	6.53E-06
3,732	4.58E-07	3.79E-06	7.62E-06	4.54E-07	3.76E-06	7.55E-06	4.32E-07	3.74E-06	7.33E-06	4.20E-07	3.54E-06	6.86E-06	4.02E-07	3.38E-06	6.53E-06
3,733	4.58E-07	3.79E-06	7.61E-06	4.54E-07	3.76E-06	7.55E-06	4.32E-07	3.73E-06	7.33E-06	4.20E-07	3.54E-06	6.85E-06	4.02E-07	3.38E-06	6.53E-06
3,734	4.58E-07	3.79E-06	7.61E-06	4.54E-07	3.76E-06	7.55E-06	4.32E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.85E-06	4.02E-07	3.38E-06	6.53E-06
3,735	4.58E-07	3.79E-06	7.61E-06	4.53E-07	3.75E-06	7.55E-06	4.32E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.85E-06	4.02E-07	3.38E-06	6.53E-06
3,736	4.57E-07	3.79E-06	7.61E-06	4.53E-07	3.75E-06	7.55E-06	4.32E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.85E-06	4.02E-07	3.38E-06	6.53E-06
3,737	4.57E-07	3.79E-06	7.60E-06	4.53E-07	3.75E-06	7.54E-06	4.31E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.53E-06
3,738	4.57E-07	3.79E-06	7.60E-06	4.53E-07	3.75E-06	7.54E-06	4.31E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.52E-06
3,739	4.57E-07	3.78E-06	7.59E-06	4.53E-07	3.75E-06	7.53E-06	4.31E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.52E-06
3,740	4.57E-07	3.78E-06	7.59E-06	4.53E-07	3.75E-06	7.53E-06	4.30E-07	3.73E-06	7.32E-06	4.19E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.52E-06
3,741	4.57E-07	3.78E-06	7.58E-06	4.53E-07	3.75E-06	7.53E-06	4.30E-07	3.73E-06	7.32E-06	4.18E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.51E-06
3,742	4.56E-07	3.78E-06	7.58E-06	4.53E-07	3.75E-06	7.52E-06	4.30E-07	3.73E-06	7.32E-06	4.18E-07	3.54E-06	6.84E-06	4.01E-07	3.38E-06	6.51E-06
3,743	4.56E-07	3.78E-06	7.58E-06	4.53E-07	3.75E-06	7.52E-06	4.30E-07	3.73E-06	7.31E-06	4.18E-07	3.53E-06	6.84E-06	4.01E-07	3.37E-06	6.51E-06
3,744	4.56E-07	3.78E-06	7.58E-06	4.53E-07	3.75E-06	7.52E-06	4.30E-07	3.73E-06	7.31E-06	4.18E-07	3.53E-06	6.83E-06	4.01E-07	3.37E-06	6.51E-06
3,745	4.56E-07	3.77E-06	7.58E-06	4.53E-07	3.75E-06	7.52E-06	4.30E-07	3.73E-06	7.31E-06	4.18E-07	3.53E-06	6.83E-06	4.01E-07	3.37E-06	6.50E-06
3,746	4.56E-07	3.77E-06	7.58E-06	4.52E-07	3.75E-06	7.52E-06	4.30E-07	3.73E-06	7.31E-06	4.18E-07	3.53E-06	6.83E-06	4.01E-07	3.37E-06	6.50E-06
3,747	4.56E-07	3.77E-06	7.58E-06	4.52E-07	3.75E-06	7.51E-06	4.29E-07	3.72E-06	7.30E-06	4.18E-07	3.53E-06	6.83E-06	4.01E-07	3.37E-06	6.50E-06
3,748	4.56E-07	3.77E-06	7.57E-06	4.52E-07	3.75E-06	7.51E-06	4.29E-07	3.72E-06	7.30E-06	4.18E-07	3.53E-06	6.83E-06	4.01E-07	3.37E-06	6.50E-06
3,749	4.56E-07	3.77E-06	7.57E-06	4.52E-07	3.75E-06	7.51E-06	4.29E-07	3.72E-06	7.30E-06	4.18E-07	3.53E-06	6.82E-06	4.00E-07	3.37E-06	6.49E-06
3,750	4.56E-07	3.77E-06	7.57E-06	4.51E-07	3.74E-06	7.51E-06	4.29E-07	3.72E-06	7.30E-06	4.18E-07	3.53E-06	6.82E-06	4.00E-07	3.37E-06	6.49E-06
3,751	4.56E-07	3.77E-06	7.57E-06	4.51E-07	3.74E-06	7.51E-06	4.29E-07	3.72E-06	7.29E-06	4.18E-07	3.53E-06	6.82E-06	4.00E-07	3.37E-06	6.49E-06
3,752	4.56E-07	3.77E-06	7.57E-06	4.51E-07	3.74E-06	7.50E-06	4.29E-07	3.72E-06	7.29E-06	4.17E-07	3.52E-06	6.81E-06	4.00E-07	3.37E-06	6.49E-06
3,753	4.55E-07	3.77E-06	7.57E-06	4.51E-07	3.74E-06	7.50E-06	4.29E-07	3.72E-06	7.29E-06	4.17E-07	3.52E-06	6.81E-06	4.00E-07	3.37E-06	6.49E-06
3,754	4.55E-07	3.77E-06	7.56E-06	4.51E-07	3.74E-06	7.50E-06	4.29E-07	3.71E-06	7.29E-06	4.17E-07	3.52E-06	6.81E-06	4.00E-07	3.37E-06	6.49E-06
3,755	4.55E-07	3.77E-06	7.55E-06	4.51E-07	3.74E-06	7.50E-06	4.29E-07	3.71E-06	7.28E-06	4.17E-07	3.52E-06	6.81E-06	4.00E-07	3.37E-06	6.49E-06
3,756	4.55E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,822	4.47E-07	3.70E-06	7.41E-06	4.42E-07	3.67E-06	7.37E-06	4.21E-07	3.62E-06	7.14E-06	4.08E-07	3.45E-06	6.70E-06	3.92E-07	3.29E-06	6.37E-06
3,823	4.47E-07	3.70E-06	7.40E-06	4.42E-07	3.67E-06	7.37E-06	4.21E-07	3.62E-06	7.14E-06	4.08E-07	3.45E-06	6.70E-06	3.92E-07	3.28E-06	6.37E-06
3,824	4.46E-07	3.70E-06	7.40E-06	4.42E-07	3.67E-06	7.37E-06	4.21E-07	3.62E-06	7.14E-06	4.08E-07	3.45E-06	6.70E-06	3.92E-07	3.28E-06	6.36E-06
3,825	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.67E-06	7.37E-06	4.20E-07	3.62E-06	7.14E-06	4.08E-07	3.45E-06	6.69E-06	3.92E-07	3.28E-06	6.36E-06
3,826	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.67E-06	7.37E-06	4.20E-07	3.62E-06	7.14E-06	4.08E-07	3.45E-06	6.69E-06	3.92E-07	3.28E-06	6.36E-06
3,827	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.67E-06	7.37E-06	4.20E-07	3.62E-06	7.13E-06	4.08E-07	3.45E-06	6.69E-06	3.92E-07	3.28E-06	6.36E-06
3,828	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.66E-06	7.36E-06	4.20E-07	3.61E-06	7.13E-06	4.08E-07	3.44E-06	6.69E-06	3.92E-07	3.28E-06	6.36E-06
3,829	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.66E-06	7.36E-06	4.20E-07	3.61E-06	7.13E-06	4.08E-07	3.44E-06	6.68E-06	3.91E-07	3.28E-06	6.36E-06
3,830	4.46E-07	3.70E-06	7.39E-06	4.42E-07	3.66E-06	7.35E-06	4.20E-07	3.61E-06	7.13E-06	4.07E-07	3.44E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,831	4.46E-07	3.70E-06	7.39E-06	4.41E-07	3.66E-06	7.35E-06	4.20E-07	3.61E-06	7.13E-06	4.07E-07	3.44E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,832	4.46E-07	3.70E-06	7.38E-06	4.41E-07	3.66E-06	7.35E-06	4.20E-07	3.61E-06	7.13E-06	4.07E-07	3.44E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,833	4.46E-07	3.70E-06	7.38E-06	4.41E-07	3.66E-06	7.35E-06	4.20E-07	3.61E-06	7.13E-06	4.07E-07	3.43E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,834	4.46E-07	3.69E-06	7.38E-06	4.41E-07	3.66E-06	7.35E-06	4.20E-07	3.61E-06	7.12E-06	4.07E-07	3.43E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,835	4.45E-07	3.69E-06	7.38E-06	4.41E-07	3.65E-06	7.35E-06	4.20E-07	3.61E-06	7.12E-06	4.07E-07	3.43E-06	6.68E-06	3.91E-07	3.28E-06	6.35E-06
3,836	4.45E-07	3.69E-06	7.38E-06	4.41E-07	3.65E-06	7.34E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.91E-07	3.28E-06	6.34E-06
3,837	4.45E-07	3.69E-06	7.38E-06	4.40E-07	3.65E-06	7.34E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.90E-07	3.27E-06	6.34E-06
3,838	4.45E-07	3.69E-06	7.38E-06	4.40E-07	3.65E-06	7.34E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.90E-07	3.27E-06	6.34E-06
3,839	4.45E-07	3.69E-06	7.37E-06	4.40E-07	3.65E-06	7.34E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.89E-07	3.27E-06	6.34E-06
3,840	4.45E-07	3.69E-06	7.37E-06	4.40E-07	3.65E-06	7.33E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.89E-07	3.27E-06	6.34E-06
3,841	4.44E-07	3.69E-06	7.37E-06	4.40E-07	3.65E-06	7.33E-06	4.19E-07	3.61E-06	7.11E-06	4.06E-07	3.43E-06	6.67E-06	3.89E-07	3.27E-06	6.34E-06
3,842	4.44E-07	3.69E-06	7.37E-06	4.40E-07	3.64E-06	7.33E-06	4.19E-07	3.61E-06	7.10E-06	4.06E-07	3.42E-06	6.66E-06	3.89E-07	3.27E-06	6.34E-06
3,843	4.44E-07	3.69E-06	7.37E-06	4.40E-07	3.64E-06	7.32E-06	4.19E-07	3.60E-06	7.10E-06	4.06E-07	3.42E-06	6.66E-06	3.89E-07	3.27E-06	6.34E-06
3,844	4.44E-07	3.68E-06	7.37E-06	4.40E-07	3.64E-06	7.32E-06	4.19E-07	3.60E-06	7.10E-06	4.06E-07	3.42E-06	6.66E-06	3.89E-07	3.26E-06	6.34E-06
3,845	4.44E-07	3.68E-06	7.37E-06	4.39E-07	3.64E-06	7.31E-06	4.19E-07	3.60E-06	7.10E-06	4.06E-07	3.42E-06	6.66E-06	3.89E-07	3.26E-06	6.33E-06
3,846	4.44E-07	3.68E-06	7.36E-06	4.39E-07	3.64E-06	7.31E-06	4.18E-07	3.60E-06	7.10E-06	4.06E-07	3.42E-06	6.65E-06	3.89E-07	3.26E-06	6.33E-06
3,847	4.44E-07	3.68E-06	7.36E-06	4.39E-07	3.64E-06	7.31E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.42E-06	6.65E-06	3.88E-07	3.26E-06	6.33E-06
3,848	4.44E-07	3.68E-06	7.36E-06	4.39E-07	3.64E-06	7.31E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.32E-06
3,849	4.44E-07	3.68E-06	7.36E-06	4.38E-07	3.64E-06	7.31E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.32E-06
3,850	4.44E-07	3.67E-06	7.36E-06	4.38E-07	3.63E-06	7.31E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.32E-06
3,851	4.44E-07	3.67E-06	7.36E-06	4.38E-07	3.63E-06	7.30E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.32E-06
3,852	4.44E-07	3.67E-06	7.35E-06	4.38E-07	3.63E-06	7.30E-06	4.18E-07	3.60E-06	7.10E-06	4.05E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.31E-06
3,853	4.43E-07	3.67E-06	7.35E-06	4.38E-07	3.63E-06	7.30E-06	4.18E-07	3.59E-06	7.10E-06	4.04E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.31E-06
3,854	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.63E-06	7.30E-06	4.18E-07	3.59E-06	7.09E-06	4.04E-07	3.41E-06	6.65E-06	3.88E-07	3.26E-06	6.31E-06
3,855	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.63E-06	7.30E-06	4.17E-07	3.59E-06	7.09E-06	4.04E-07	3.41E-06	6.65E-06	3.87E-07	3.26E-06	6.31E-06
3,856	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.62E-06	7.30E-06	4.17E-07	3.59E-06	7.09E-06	4.04E-07	3.41E-06	6.64E-06	3.87E-07	3.26E-06	6.31E-06
3,857	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.62E-06	7.29E-06	4.17E-07	3.59E-06	7.09E-06	4.04E-07	3.40E-06	6.64E-06	3.87E-07	3.25E-06	6.31E-06
3,858	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.62E-06	7.29E-06	4.17E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.64E-06	3.87E-07	3.25E-06	6.31E-06
3,859	4.43E-07	3.67E-06	7.35E-06	4.37E-07	3.62E-06	7.29E-06	4.17E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.64E-06	3.87E-07	3.25E-06	6.31E-06
3,860	4.43E-07	3.67E-06	7.34E-06	4.37E-07	3.62E-06	7.29E-06	4.17E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.63E-06	3.87E-07	3.25E-06	6.30E-06
3,861	4.42E-07	3.67E-06	7.34E-06	4.37E-07	3.62E-06	7.29E-06	4.16E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.63E-06	3.87E-07	3.25E-06	6.30E-06
3,862	4.42E-07	3.67E-06	7.34E-06	4.36E-07	3.61E-06	7.29E-06	4.16E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.63E-06	3.87E-07	3.25E-06	6.30E-06
3,863	4.42E-07	3.67E-06	7.34E-06	4.36E-07	3.61E-06	7.28E-06	4.16E-07	3.59E-06	7.08E-06	4.04E-07	3.40E-06	6.63E-06	3.87E-07	3.25E-06	6.29E-06
3,864	4.42E-07	3.67E-06	7.34E-06	4.36E-07	3.61E-06	7.28E-06	4.16E-07	3.58E-06	7.07E-06	4.04E-07	3.40E-06	6.63E-06	3.86E-07	3.25E-06	6.29E-06
3,865	4.42E-07	3.67E-06	7.34E-06	4.36E-07	3.61E-06	7.28E-06	4.16E-07	3.58E-06	7.07E-06	4.03E-07	3.39E-06	6.63E-06	3.86E-07	3.25E-06	6.29E-06
3,866	4.42E-07	3.66E-06	7.34E-06	4.36E-07	3.61E-06	7.28E-06	4.16E-07	3.58E-06	7.07E-06	4.03E-07	3.39E-06	6.63E-06	3.86E-07	3.25E-06	6.29E-06
3,867	4.42E-07	3.66E-06	7.33E-06	4.35E-07	3.61E-06	7.28E-06	4.16E-07	3.58E-06	7.07E-06	4.03E-07	3.39E-06	6.62E-06	3.86E-07	3.25E-06	6.29E-06
3,868	4.42E-07	3.66E-06	7.33E-06	4.35E-07	3.60E-06	7.28E-06	4.16E-07	3.58E-06	7.06E-06	4.03E-07	3.39E-06	6.62E-06	3.86E-07	3.25E-06	6.28E-06
3,869	4.42E-07	3.66E-06	7.33E-06	4.35E-07	3.60E-06	7.27E-06	4.16E-07	3.58E-06	7.06E-06	4.03E-07	3.39E-06	6.62E-06	3.86E-07	3.25E-06	6.28E-06
3,870	4.42E-07	3.66E-06	7.33E-06	4.35E-07	3.60E-06	7.27E-06	4.16E-07	3.57E-06	7.06E-06	4.03E-07	3.39E-06	6.61E-06	3.86E-07	3.25E-06	6.28E-06
3,871	4.42E-07	3.66E-06	7.33E-06	4.35E-07	3.60E-06	7.27E-06	4.16E-07	3.57E-06	7.05E-06	4.03E-07	3.39E-06	6.61E-06	3.86E-07	3.24E-06	6.28E-06
3,872	4.42E-07	3.66E-06	7.32E-06	4.35E-07	3.60E-06	7.27E-06	4.16E-07	3.57E-06	7.05E-06	4.02E-07	3.39E-06	6.61E-06	3.86E-07	3.24E-06	6.27E-06
3,873	4.42E-07	3.66E-06	7.32E-06	4.35E-07	3.60E-06	7.27E-06	4.16E-07	3.57E-06	7.04E-06	4.02E-07	3.39E-06	6.61E-06	3.86E-07	3.24E-06	6.27E-06
3,874	4.42E-07	3.66E-06	7.32E-06	4.35E-07	3.60E-06	7.26E-06	4.16E-07	3.57E-06	7.04E-06	4.02E-07	3.39E-06	6.61E-06	3.85E-07	3.24E-06	6.27E-06
3,875	4.41E-07	3.66E-06	7.32E-06	4.35E-07	3.60E-06	7.26E-06	4.15E-07	3.57E-06	7.04E-06	4.02E-07	3.39E-06	6.61E-06	3.85E-07	3.24E-06	6.27E-06
3,876	4.41E-07	3.66E-06	7.32E-06	4.35E-07	3.60E-06	7.26E-06	4.15E-07	3.57E-06	7.04E-06	4.02E-07	3.38E-06	6.61E-06	3.85E-07	3.24E-06	6.26E-06
3,877	4.41E-07	3.65E-06	7.32E-06	4.35E-07	3.60E-06	7.26E-06	4.15E-07	3.57E-06	7.03E-06	4.01E-07	3.38E-06	6.60E-06	3.85E-07	3.24E-06	6.26E-06
3,878	4.40E-07	3.65E-06	7.31E-06	4.35E-07	3.59E-06	7.26E-06	4.15E-07	3.57E-06	7.03E-06	4.01E-07	3.38E-06	6.60E-06	3.85E-07	3.24E-06	6.26E-06
3,879	4.40E-07	3.65E-06	7.31E-06	4.35E-07	3.59E-06	7.26E-06	4.15E-07	3.57E-06	7.03E-06	4.01E-07	3.38E-06	6.60E-06	3.85E-07	3.24E-06	6.26E-06
3,880	4.40E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,884	4.40E-07	3.64E-06	7.30E-06	4.34E-07	3.59E-06	7.24E-06	4.15E-07	3.56E-06	7.03E-06	4.01E-07	3.37E-06	6.59E-06	3.84E-07	3.24E-06	6.25E-06
3,885	4.40E-07	3.64E-06	7.30E-06	4.34E-07	3.59E-06	7.24E-06	4.14E-07	3.56E-06	7.03E-06	4.00E-07	3.37E-06	6.59E-06	3.84E-07	3.24E-06	6.25E-06
3,886	4.40E-07	3.64E-06	7.30E-06	4.34E-07	3.59E-06	7.24E-06	4.14E-07	3.56E-06	7.03E-06	4.00E-07	3.37E-06	6.59E-06	3.84E-07	3.23E-06	6.25E-06
3,887	4.40E-07	3.64E-06	7.30E-06	4.34E-07	3.59E-06	7.24E-06	4.14E-07	3.56E-06	7.03E-06	4.00E-07	3.37E-06	6.59E-06	3.84E-07	3.23E-06	6.25E-06
3,888	4.39E-07	3.64E-06	7.29E-06	4.33E-07	3.58E-06	7.23E-06	4.14E-07	3.56E-06	7.03E-06	4.00E-07	3.37E-06	6.59E-06	3.84E-07	3.23E-06	6.25E-06
3,889	4.39E-07	3.64E-06	7.29E-06	4.33E-07	3.58E-06	7.23E-06	4.14E-07	3.56E-06	7.02E-06	4.00E-07	3.37E-06	6.58E-06	3.84E-07	3.23E-06	6.25E-06
3,890	4.39E-07	3.64E-06	7.29E-06	4.33E-07	3.58E-06	7.23E-06	4.14E-07	3.56E-06	7.02E-06	4.00E-07	3.37E-06	6.58E-06	3.83E-07	3.23E-06	6.24E-06
3,891	4.39E-07	3.64E-06	7.29E-06	4.33E-07	3.58E-06	7.22E-06	4.13E-07	3.56E-06	7.01E-06	4.00E-07	3.37E-06	6.58E-06	3.83E-07	3.23E-06	6.24E-06
3,892	4.39E-07	3.64E-06	7.29E-06	4.33E-07	3.58E-06	7.21E-06	4.13E-07	3.56E-06	7.01E-06	4.00E-07	3.36E-06	6.58E-06	3.83E-07	3.23E-06	6.24E-06
3,893	4.39E-07	3.64E-06	7.29E-06	4.32E-07	3.58E-06	7.21E-06	4.13E-07	3.55E-06	7.01E-06	3.99E-07	3.36E-06	6.57E-06	3.83E-07	3.23E-06	6.24E-06
3,894	4.39E-07	3.64E-06	7.28E-06	4.32E-07	3.58E-06	7.21E-06	4.13E-07	3.55E-06	7.01E-06	3.99E-07	3.36E-06	6.57E-06	3.83E-07	3.22E-06	6.24E-06
3,895	4.39E-07	3.63E-06	7.28E-06	4.32E-07	3.58E-06	7.21E-06	4.13E-07	3.55E-06	7.01E-06	3.99E-07	3.36E-06	6.57E-06	3.83E-07	3.22E-06	6.24E-06
3,896	4.39E-07	3.63E-06	7.27E-06	4.32E-07	3.58E-06	7.21E-06	4.12E-07	3.55E-06	7.01E-06	3.99E-07	3.36E-06	6.57E-06	3.83E-07	3.22E-06	6.23E-06
3,897	4.39E-07	3.63E-06	7.27E-06	4.32E-07	3.58E-06	7.21E-06	4.12E-07	3.55E-06	7.01E-06	3.99E-07	3.36E-06	6.57E-06	3.83E-07	3.22E-06	6.23E-06
3,898	4.38E-07	3.63E-06	7.26E-06	4.31E-07	3.58E-06	7.21E-06	4.12E-07	3.55E-06	7.00E-06	3.99E-07	3.35E-06	6.56E-06	3.83E-07	3.22E-06	6.23E-06
3,899	4.38E-07	3.63E-06	7.26E-06	4.31E-07	3.58E-06	7.21E-06	4.12E-07	3.55E-06	7.00E-06	3.99E-07	3.35E-06	6.56E-06	3.83E-07	3.22E-06	6.22E-06
3,900	4.38E-07	3.63E-06	7.26E-06	4.31E-07	3.58E-06	7.20E-06	4.12E-07	3.55E-06	7.00E-06	3.99E-07	3.35E-06	6.56E-06	3.82E-07	3.22E-06	6.22E-06
3,901	4.38E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.20E-06	4.12E-07	3.55E-06	6.99E-06	3.99E-07	3.35E-06	6.56E-06	3.82E-07	3.22E-06	6.22E-06
3,902	4.38E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.20E-06	4.12E-07	3.55E-06	6.99E-06	3.98E-07	3.35E-06	6.56E-06	3.82E-07	3.22E-06	6.22E-06
3,903	4.38E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.20E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.35E-06	6.56E-06	3.82E-07	3.22E-06	6.22E-06
3,904	4.37E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.20E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.35E-06	6.56E-06	3.82E-07	3.22E-06	6.22E-06
3,905	4.37E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.20E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.34E-06	6.56E-06	3.82E-07	3.21E-06	6.22E-06
3,906	4.37E-07	3.63E-06	7.25E-06	4.31E-07	3.57E-06	7.19E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.34E-06	6.55E-06	3.82E-07	3.21E-06	6.22E-06
3,907	4.37E-07	3.63E-06	7.25E-06	4.30E-07	3.56E-06	7.19E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.34E-06	6.55E-06	3.82E-07	3.21E-06	6.22E-06
3,908	4.37E-07	3.63E-06	7.25E-06	4.30E-07	3.56E-06	7.19E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.34E-06	6.55E-06	3.82E-07	3.21E-06	6.22E-06
3,909	4.37E-07	3.62E-06	7.24E-06	4.30E-07	3.56E-06	7.19E-06	4.11E-07	3.54E-06	6.99E-06	3.98E-07	3.34E-06	6.54E-06	3.82E-07	3.21E-06	6.21E-06
3,910	4.37E-07	3.62E-06	7.24E-06	4.30E-07	3.56E-06	7.19E-06	4.11E-07	3.54E-06	6.98E-06	3.98E-07	3.34E-06	6.54E-06	3.82E-07	3.21E-06	6.21E-06
3,911	4.37E-07	3.62E-06	7.24E-06	4.30E-07	3.56E-06	7.19E-06	4.10E-07	3.54E-06	6.98E-06	3.98E-07	3.34E-06	6.54E-06	3.81E-07	3.20E-06	6.21E-06
3,912	4.37E-07	3.62E-06	7.24E-06	4.30E-07	3.56E-06	7.19E-06	4.10E-07	3.53E-06	6.98E-06	3.98E-07	3.34E-06	6.54E-06	3.81E-07	3.20E-06	6.21E-06
3,913	4.37E-07	3.62E-06	7.24E-06	4.29E-07	3.56E-06	7.18E-06	4.10E-07	3.53E-06	6.98E-06	3.98E-07	3.34E-06	6.54E-06	3.81E-07	3.20E-06	6.21E-06
3,914	4.37E-07	3.62E-06	7.23E-06	4.29E-07	3.56E-06	7.18E-06	4.10E-07	3.53E-06	6.98E-06	3.97E-07	3.34E-06	6.54E-06	3.81E-07	3.20E-06	6.21E-06
3,915	4.36E-07	3.62E-06	7.23E-06	4.29E-07	3.56E-06	7.18E-06	4.10E-07	3.53E-06	6.98E-06	3.97E-07	3.34E-06	6.53E-06	3.81E-07	3.20E-06	6.21E-06
3,916	4.36E-07	3.62E-06	7.23E-06	4.29E-07	3.55E-06	7.18E-06	4.10E-07	3.53E-06	6.98E-06	3.97E-07	3.34E-06	6.53E-06	3.81E-07	3.20E-06	6.21E-06
3,917	4.36E-07	3.62E-06	7.23E-06	4.29E-07	3.55E-06	7.17E-06	4.10E-07	3.53E-06	6.97E-06	3.97E-07	3.34E-06	6.52E-06	3.80E-07	3.20E-06	6.21E-06
3,918	4.36E-07	3.62E-06	7.23E-06	4.29E-07	3.55E-06	7.17E-06	4.10E-07	3.53E-06	6.97E-06	3.97E-07	3.34E-06	6.52E-06	3.80E-07	3.20E-06	6.20E-06
3,919	4.36E-07	3.62E-06	7.23E-06	4.29E-07	3.55E-06	7.17E-06	4.10E-07	3.53E-06	6.97E-06	3.97E-07	3.33E-06	6.52E-06	3.80E-07	3.19E-06	6.20E-06
3,920	4.36E-07	3.62E-06	7.23E-06	4.28E-07	3.55E-06	7.17E-06	4.09E-07	3.53E-06	6.97E-06	3.96E-07	3.33E-06	6.52E-06	3.80E-07	3.19E-06	6.19E-06
3,921	4.36E-07	3.62E-06	7.23E-06	4.28E-07	3.55E-06	7.17E-06	4.09E-07	3.53E-06	6.97E-06	3.96E-07	3.33E-06	6.52E-06	3.80E-07	3.19E-06	6.19E-06
3,922	4.35E-07	3.62E-06	7.22E-06	4.28E-07	3.55E-06	7.17E-06	4.09E-07	3.53E-06	6.97E-06	3.96E-07	3.33E-06	6.51E-06	3.80E-07	3.19E-06	6.19E-06
3,923	4.35E-07	3.61E-06	7.22E-06	4.28E-07	3.54E-06	7.17E-06	4.09E-07	3.53E-06	6.96E-06	3.96E-07	3.33E-06	6.50E-06	3.80E-07	3.19E-06	6.19E-06
3,924	4.35E-07	3.61E-06	7.22E-06	4.28E-07	3.54E-06	7.16E-06	4.09E-07	3.53E-06	6.96E-06	3.96E-07	3.33E-06	6.50E-06	3.79E-07	3.19E-06	6.19E-06
3,925	4.35E-07	3.61E-06	7.22E-06	4.27E-07	3.54E-06	7.16E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.50E-06	3.79E-07	3.19E-06	6.19E-06
3,926	4.35E-07	3.61E-06	7.22E-06	4.27E-07	3.54E-06	7.16E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.50E-06	3.79E-07	3.19E-06	6.19E-06
3,927	4.35E-07	3.61E-06	7.22E-06	4.27E-07	3.54E-06	7.15E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.50E-06	3.79E-07	3.18E-06	6.19E-06
3,928	4.35E-07	3.61E-06	7.21E-06	4.27E-07	3.54E-06	7.15E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.50E-06	3.79E-07	3.18E-06	6.19E-06
3,929	4.34E-07	3.61E-06	7.21E-06	4.27E-07	3.54E-06	7.15E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.50E-06	3.79E-07	3.18E-06	6.18E-06
3,930	4.34E-07	3.61E-06	7.21E-06	4.27E-07	3.54E-06	7.14E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.49E-06	3.79E-07	3.18E-06	6.18E-06
3,931	4.34E-07	3.61E-06	7.21E-06	4.26E-07	3.53E-06	7.14E-06	4.09E-07	3.52E-06	6.96E-06	3.96E-07	3.32E-06	6.49E-06	3.78E-07	3.18E-06	6.18E-06
3,932	4.34E-07	3.61E-06	7.20E-06	4.26E-07	3.53E-06	7.13E-06	4.08E-07	3.52E-06	6.95E-06	3.96E-07	3.32E-06	6.49E-06	3.78E-07	3.18E-06	6.18E-06
3,933	4.34E-07	3.60E-06	7.20E-06	4.26E-07	3.53E-06	7.13E-06	4.08E-07	3.52E-06	6.95E-06	3.96E-07	3.32E-06	6.48E-06	3.78E-07	3.18E-06	6.18E-06
3,934	4.34E-07	3.60E-06	7.20E-06	4.26E-07	3.53E-06	7.13E-06	4.08E-07	3.51E-06	6.95E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.18E-06	6.17E-06
3,935	4.34E-07	3.60E-06	7.19E-06	4.26E-07	3.53E-06	7.13E-06	4.08E-07	3.51E-06	6.95E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.18E-06	6.17E-06
3,936	4.34E-07	3.60E-06	7.19E-06	4.26E-07	3.53E-06	7.13E-06	4.08E-07	3.51E-06	6.95E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.18E-06	6.17E-06
3,937	4.34E-07	3.60E-06	7.19E-06	4.25E-07	3.53E-06	7.13E-06	4.08E-07	3.51E-06	6.95E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.18E-06	6.17E-06
3,938	4.34E-07	3.60E-06	7.19E-06	4.25E-07	3.53E-06	7.12E-06	4.08E-07	3.51E-06	6.94E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.18E-06	6.17E-06
3,939	4.34E-07	3.60E-06	7.19E-06	4.25E-07	3.53E-06	7.11E-06	4.08E-07	3.51E-06	6.94E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.17E-06	6.17E-06
3,940	4.33E-07	3.60E-06	7.18E-06	4.25E-07	3.52E-06	7.11E-06	4.08E-07	3.51E-06	6.93E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.17E-06	6.17E-06
3,941	4.33E-07	3.60E-06	7.18E-06	4.25E-07	3.52E-06	7.11E-06	4.08E-07	3.51E-06	6.93E-06	3.95E-07	3.31E-06	6.48E-06	3.78E-07	3.17E-06	6.1

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,070	4.20E-07	3.46E-06	6.94E-06	4.10E-07	3.41E-06	6.84E-06	3.90E-07	3.36E-06	6.65E-06	3.81E-07	3.17E-06	6.28E-06	3.63E-07	3.05E-06	5.98E-06
4,071	4.20E-07	3.46E-06	6.94E-06	4.10E-07	3.41E-06	6.84E-06	3.90E-07	3.36E-06	6.65E-06	3.81E-07	3.17E-06	6.27E-06	3.63E-07	3.04E-06	5.98E-06
4,072	4.20E-07	3.46E-06	6.93E-06	4.10E-07	3.41E-06	6.84E-06	3.90E-07	3.36E-06	6.65E-06	3.80E-07	3.16E-06	6.27E-06	3.63E-07	3.04E-06	5.98E-06
4,073	4.20E-07	3.45E-06	6.93E-06	4.10E-07	3.41E-06	6.83E-06	3.90E-07	3.36E-06	6.65E-06	3.80E-07	3.16E-06	6.26E-06	3.63E-07	3.04E-06	5.97E-06
4,074	4.20E-07	3.45E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.64E-06	3.80E-07	3.16E-06	6.26E-06	3.63E-07	3.04E-06	5.97E-06
4,075	4.20E-07	3.45E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.64E-06	3.80E-07	3.16E-06	6.26E-06	3.63E-07	3.04E-06	5.97E-06
4,076	4.19E-07	3.45E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.64E-06	3.80E-07	3.16E-06	6.26E-06	3.63E-07	3.04E-06	5.97E-06
4,077	4.19E-07	3.45E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.63E-06	3.80E-07	3.16E-06	6.26E-06	3.63E-07	3.04E-06	5.97E-06
4,078	4.19E-07	3.44E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.63E-06	3.79E-07	3.16E-06	6.25E-06	3.63E-07	3.04E-06	5.97E-06
4,079	4.19E-07	3.44E-06	6.93E-06	4.09E-07	3.40E-06	6.83E-06	3.90E-07	3.36E-06	6.63E-06	3.79E-07	3.16E-06	6.25E-06	3.63E-07	3.04E-06	5.97E-06
4,080	4.19E-07	3.44E-06	6.92E-06	4.09E-07	3.39E-06	6.83E-06	3.90E-07	3.36E-06	6.63E-06	3.79E-07	3.16E-06	6.25E-06	3.63E-07	3.03E-06	5.97E-06
4,081	4.19E-07	3.44E-06	6.92E-06	4.09E-07	3.39E-06	6.82E-06	3.90E-07	3.36E-06	6.63E-06	3.79E-07	3.15E-06	6.25E-06	3.62E-07	3.03E-06	5.97E-06
4,082	4.19E-07	3.44E-06	6.92E-06	4.09E-07	3.39E-06	6.82E-06	3.89E-07	3.36E-06	6.63E-06	3.79E-07	3.15E-06	6.24E-06	3.62E-07	3.03E-06	5.97E-06
4,083	4.19E-07	3.43E-06	6.92E-06	4.09E-07	3.39E-06	6.82E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.24E-06	3.62E-07	3.03E-06	5.96E-06
4,084	4.19E-07	3.43E-06	6.92E-06	4.09E-07	3.38E-06	6.82E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.24E-06	3.62E-07	3.03E-06	5.96E-06
4,085	4.19E-07	3.43E-06	6.91E-06	4.09E-07	3.38E-06	6.81E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.24E-06	3.62E-07	3.03E-06	5.96E-06
4,086	4.18E-07	3.43E-06	6.91E-06	4.08E-07	3.38E-06	6.81E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.23E-06	3.62E-07	3.03E-06	5.96E-06
4,087	4.18E-07	3.43E-06	6.91E-06	4.08E-07	3.38E-06	6.81E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.23E-06	3.62E-07	3.02E-06	5.96E-06
4,088	4.18E-07	3.43E-06	6.91E-06	4.08E-07	3.38E-06	6.81E-06	3.89E-07	3.35E-06	6.62E-06	3.79E-07	3.15E-06	6.23E-06	3.62E-07	3.02E-06	5.96E-06
4,089	4.18E-07	3.43E-06	6.91E-06	4.08E-07	3.38E-06	6.80E-06	3.89E-07	3.35E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.62E-07	3.02E-06	5.96E-06
4,090	4.18E-07	3.43E-06	6.91E-06	4.08E-07	3.38E-06	6.80E-06	3.89E-07	3.35E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.62E-07	3.02E-06	5.96E-06
4,091	4.17E-07	3.43E-06	6.90E-06	4.08E-07	3.38E-06	6.79E-06	3.89E-07	3.35E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.62E-07	3.02E-06	5.95E-06
4,092	4.17E-07	3.43E-06	6.90E-06	4.08E-07	3.38E-06	6.79E-06	3.89E-07	3.34E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.61E-07	3.02E-06	5.95E-06
4,093	4.17E-07	3.43E-06	6.90E-06	4.07E-07	3.38E-06	6.79E-06	3.89E-07	3.34E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.61E-07	3.02E-06	5.95E-06
4,094	4.17E-07	3.43E-06	6.90E-06	4.07E-07	3.38E-06	6.78E-06	3.89E-07	3.34E-06	6.61E-06	3.78E-07	3.15E-06	6.22E-06	3.61E-07	3.02E-06	5.95E-06
4,095	4.17E-07	3.43E-06	6.89E-06	4.07E-07	3.37E-06	6.78E-06	3.89E-07	3.34E-06	6.60E-06	3.78E-07	3.14E-06	6.22E-06	3.61E-07	3.02E-06	5.95E-06
4,096	4.17E-07	3.43E-06	6.89E-06	4.07E-07	3.37E-06	6.78E-06	3.89E-07	3.34E-06	6.60E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.02E-06	5.95E-06
4,097	4.16E-07	3.42E-06	6.89E-06	4.07E-07	3.37E-06	6.78E-06	3.89E-07	3.34E-06	6.60E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.02E-06	5.94E-06
4,098	4.16E-07	3.42E-06	6.89E-06	4.07E-07	3.37E-06	6.78E-06	3.88E-07	3.34E-06	6.59E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.02E-06	5.94E-06
4,099	4.16E-07	3.42E-06	6.89E-06	4.07E-07	3.37E-06	6.78E-06	3.88E-07	3.34E-06	6.59E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.02E-06	5.94E-06
4,100	4.16E-07	3.42E-06	6.88E-06	4.07E-07	3.37E-06	6.78E-06	3.88E-07	3.34E-06	6.59E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.01E-06	5.94E-06
4,101	4.16E-07	3.42E-06	6.88E-06	4.07E-07	3.37E-06	6.78E-06	3.88E-07	3.34E-06	6.59E-06	3.78E-07	3.14E-06	6.21E-06	3.61E-07	3.01E-06	5.94E-06
4,102	4.16E-07	3.42E-06	6.88E-06	4.06E-07	3.37E-06	6.78E-06	3.88E-07	3.34E-06	6.59E-06	3.77E-07	3.14E-06	6.20E-06	3.61E-07	3.01E-06	5.94E-06
4,103	4.15E-07	3.42E-06	6.87E-06	4.06E-07	3.37E-06	6.77E-06	3.88E-07	3.33E-06	6.59E-06	3.77E-07	3.14E-06	6.20E-06	3.61E-07	3.01E-06	5.94E-06
4,104	4.15E-07	3.42E-06	6.87E-06	4.06E-07	3.36E-06	6.77E-06	3.88E-07	3.33E-06	6.58E-06	3.77E-07	3.14E-06	6.20E-06	3.61E-07	3.01E-06	5.94E-06
4,105	4.15E-07	3.42E-06	6.87E-06	4.06E-07	3.36E-06	6.77E-06	3.88E-07	3.33E-06	6.58E-06	3.77E-07	3.14E-06	6.20E-06	3.61E-07	3.01E-06	5.94E-06
4,106	4.15E-07	3.41E-06	6.87E-06	4.06E-07	3.36E-06	6.77E-06	3.88E-07	3.33E-06	6.58E-06	3.77E-07	3.14E-06	6.20E-06	3.61E-07	3.01E-06	5.93E-06
4,107	4.15E-07	3.41E-06	6.87E-06	4.06E-07	3.36E-06	6.77E-06	3.87E-07	3.33E-06	6.58E-06	3.77E-07	3.14E-06	6.20E-06	3.60E-07	3.00E-06	5.93E-06
4,108	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.77E-06	3.87E-07	3.33E-06	6.58E-06	3.77E-07	3.14E-06	6.19E-06	3.60E-07	3.00E-06	5.93E-06
4,109	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.77E-06	3.87E-07	3.33E-06	6.57E-06	3.77E-07	3.14E-06	6.19E-06	3.60E-07	3.00E-06	5.93E-06
4,110	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.33E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	3.00E-06	5.93E-06
4,111	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.33E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	3.00E-06	5.93E-06
4,112	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.33E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	3.00E-06	5.92E-06
4,113	4.15E-07	3.41E-06	6.87E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.32E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	3.00E-06	5.92E-06
4,114	4.15E-07	3.41E-06	6.86E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.32E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	3.00E-06	5.92E-06
4,115	4.15E-07	3.41E-06	6.86E-06	4.05E-07	3.36E-06	6.76E-06	3.87E-07	3.32E-06	6.57E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	2.99E-06	5.92E-06
4,116	4.15E-07	3.41E-06	6.86E-06	4.05E-07	3.36E-06	6.75E-06	3.87E-07	3.32E-06	6.56E-06	3.76E-07	3.13E-06	6.19E-06	3.60E-07	2.99E-06	5.92E-06
4,117	4.15E-07	3.41E-06	6.86E-06	4.05E-07	3.35E-06	6.75E-06	3.87E-07	3.32E-06	6.56E-06	3.76E-07	3.12E-06	6.19E-06	3.60E-07	2.99E-06	5.92E-06
4,118	4.14E-07	3.40E-06	6.86E-06	4.04E-07	3.35E-06	6.75E-06	3.86E-07	3.32E-06	6.56E-06	3.75E-07	3.12E-06	6.19E-06	3.60E-07	2.99E-06	5.91E-06
4,119	4.14E-07	3.40E-06	6.86E-06	4.04E-07	3.35E-06	6.75E-06	3.86E-07	3.32E-06	6.56E-06	3.75E-07	3.12E-06	6.19E-06	3.59E-07	2.99E-06	5.91E-06
4,120	4.14E-07	3.40E-06	6.85E-06	4.04E-07	3.35E-06	6.75E-06	3.86E-07	3.32E-06	6.56E-06	3.75E-07	3.12E-06	6.18E-06	3.59E-07	2.99E-06	5.91E-06
4,121	4.14E-07	3.40E-06	6.85E-06	4.03E-07	3.35E-06	6.74E-06	3.86E-07	3.31E-06	6.56E-06	3.75E-07	3.12E-06	6.18E-06	3.59E-07	2.99E-06	5.91E-06
4,122	4.14E-07	3.40E-06	6.85E-06	4.03E-07	3.34E-06	6.74E-06	3.86E-07	3.31E-06	6.56E-06	3.75E-07	3.12E-06	6.18E-06	3.59E-07	2.99E-06	5.91E-06
4,123	4.14E-07	3.40E-06	6.85E-06	4.03E-07	3.34E-06	6.74E-06	3.86E-07	3.31E-06	6.55E-06	3.75E-07	3.12E-06	6.18E-06	3.59E-07	2.99E-06	5.90E-06
4,124	4.14E-07	3.40E-06	6.85E-06	4.03E-07	3.34E-06	6.73E-06	3.85E-07	3.31E-06	6.55E-06	3.74E-07	3.12E-06	6.17E-06	3.59E-07	2.98E-06	5.90E-06
4,125	4.14E-07	3.40E-06	6.85E-06	4.03E-07	3.34E-06	6.72E-06	3.85E-07	3.31E-06	6.55E-06	3.74E-07	3.12E-06	6.17E-06	3.58E-07	2.98E-06	5.90E-06
4,126	4.14E-07	3.39E-06	6.84E-06	4.03E-07	3.34E-06	6.72E-06	3.85E-07	3.31E-06	6.55E-06	3.74E-07	3.12E-06	6.17E-06	3.58E-07	2.98E-06	5.90E-06
4,127	4.13E-07	3.39E-06	6.84E-06	4.03E-07	3.34E-06	6.72E-06	3.85E-07	3.31E-06	6.55E-06	3.74E-07	3.11E-06	6.17E-06	3.58E-07	2.98E-06	5.90E-06
4,128	4.13E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

Attachment 5 Part 2 Crystal Ball Output

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[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
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[illegible]

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,976	1.26E-07	1.04E-06	2.20E-06	1.22E-07	9.98E-07	2.14E-06	1.18E-07	9.76E-07	2.10E-06	1.15E-07	9.49E-07	2.02E-06	1.11E-07	9.25E-07	1.96E-06
7,977	1.25E-07	1.04E-06	2.20E-06	1.22E-07	9.97E-07	2.14E-06	1.18E-07	9.75E-07	2.10E-06	1.15E-07	9.49E-07	2.02E-06	1.11E-07	9.25E-07	1.96E-06
7,978	1.25E-07	1.04E-06	2.20E-06	1.21E-07	9.97E-07	2.14E-06	1.17E-07	9.75E-07	2.10E-06	1.15E-07	9.48E-07	2.02E-06	1.11E-07	9.24E-07	1.96E-06
7,979	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.97E-07	2.14E-06	1.17E-07	9.74E-07	2.10E-06	1.15E-07	9.48E-07	2.01E-06	1.11E-07	9.24E-07	1.96E-06
7,980	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.96E-07	2.14E-06	1.17E-07	9.74E-07	2.10E-06	1.14E-07	9.48E-07	2.01E-06	1.10E-07	9.24E-07	1.96E-06
7,981	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.96E-07	2.14E-06	1.17E-07	9.72E-07	2.10E-06	1.14E-07	9.48E-07	2.01E-06	1.10E-07	9.23E-07	1.96E-06
7,982	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.95E-07	2.14E-06	1.17E-07	9.72E-07	2.10E-06	1.14E-07	9.48E-07	2.01E-06	1.10E-07	9.23E-07	1.96E-06
7,983	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.95E-07	2.14E-06	1.17E-07	9.71E-07	2.10E-06	1.14E-07	9.48E-07	2.01E-06	1.10E-07	9.23E-07	1.96E-06
7,984	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.95E-07	2.13E-06	1.17E-07	9.71E-07	2.10E-06	1.14E-07	9.46E-07	2.01E-06	1.10E-07	9.22E-07	1.96E-06
7,985	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.95E-07	2.13E-06	1.17E-07	9.71E-07	2.10E-06	1.14E-07	9.45E-07	2.01E-06	1.10E-07	9.21E-07	1.96E-06
7,986	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.94E-07	2.13E-06	1.17E-07	9.70E-07	2.10E-06	1.14E-07	9.45E-07	2.01E-06	1.10E-07	9.21E-07	1.96E-06
7,987	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.94E-07	2.13E-06	1.17E-07	9.70E-07	2.10E-06	1.14E-07	9.44E-07	2.01E-06	1.10E-07	9.21E-07	1.95E-06
7,988	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.93E-07	2.13E-06	1.17E-07	9.70E-07	2.10E-06	1.14E-07	9.44E-07	2.01E-06	1.10E-07	9.20E-07	1.95E-06
7,989	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.93E-07	2.13E-06	1.17E-07	9.70E-07	2.10E-06	1.14E-07	9.43E-07	2.01E-06	1.10E-07	9.20E-07	1.95E-06
7,990	1.25E-07	1.03E-06	2.19E-06	1.21E-07	9.92E-07	2.13E-06	1.17E-07	9.69E-07	2.09E-06	1.14E-07	9.42E-07	2.01E-06	1.10E-07	9.20E-07	1.95E-06
7,991	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.92E-07	2.13E-06	1.17E-07	9.68E-07	2.09E-06	1.14E-07	9.42E-07	2.00E-06	1.10E-07	9.19E-07	1.95E-06
7,992	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.92E-07	2.13E-06	1.17E-07	9.68E-07	2.09E-06	1.14E-07	9.42E-07	2.00E-06	1.10E-07	9.19E-07	1.95E-06
7,993	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.92E-07	2.13E-06	1.17E-07	9.68E-07	2.09E-06	1.14E-07	9.42E-07	2.00E-06	1.10E-07	9.18E-07	1.95E-06
7,994	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.91E-07	2.13E-06	1.17E-07	9.68E-07	2.09E-06	1.14E-07	9.42E-07	2.00E-06	1.10E-07	9.18E-07	1.95E-06
7,995	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.91E-07	2.12E-06	1.16E-07	9.65E-07	2.09E-06	1.14E-07	9.41E-07	2.00E-06	1.10E-07	9.18E-07	1.95E-06
7,996	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.91E-07	2.12E-06	1.16E-07	9.65E-07	2.09E-06	1.14E-07	9.41E-07	2.00E-06	1.10E-07	9.17E-07	1.95E-06
7,997	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.90E-07	2.12E-06	1.16E-07	9.64E-07	2.09E-06	1.14E-07	9.40E-07	2.00E-06	1.09E-07	9.17E-07	1.95E-06
7,998	1.25E-07	1.03E-06	2.18E-06	1.21E-07	9.89E-07	2.12E-06	1.16E-07	9.64E-07	2.09E-06	1.14E-07	9.40E-07	2.00E-06	1.09E-07	9.17E-07	1.95E-06
7,999	1.25E-07	1.02E-06	2.18E-06	1.20E-07	9.89E-07	2.12E-06	1.16E-07	9.64E-07	2.09E-06	1.14E-07	9.40E-07	2.00E-06	1.09E-07	9.16E-07	1.95E-06
8,000	1.25E-07	1.02E-06	2.18E-06	1.20E-07	9.87E-07	2.12E-06	1.16E-07	9.63E-07	2.09E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.16E-07	1.95E-06
8,001	1.25E-07	1.02E-06	2.17E-06	1.20E-07	9.87E-07	2.12E-06	1.16E-07	9.63E-07	2.09E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.15E-07	1.95E-06
8,002	1.25E-07	1.02E-06	2.17E-06	1.20E-07	9.87E-07	2.12E-06	1.16E-07	9.63E-07	2.09E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.15E-07	1.95E-06
8,003	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.86E-07	2.12E-06	1.16E-07	9.62E-07	2.08E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.15E-07	1.95E-06
8,004	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.86E-07	2.12E-06	1.16E-07	9.62E-07	2.08E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.14E-07	1.94E-06
8,005	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.85E-07	2.12E-06	1.16E-07	9.61E-07	2.08E-06	1.14E-07	9.38E-07	2.00E-06	1.09E-07	9.13E-07	1.94E-06
8,006	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.85E-07	2.12E-06	1.16E-07	9.61E-07	2.08E-06	1.13E-07	9.37E-07	2.00E-06	1.09E-07	9.13E-07	1.94E-06
8,007	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.84E-07	2.11E-06	1.16E-07	9.61E-07	2.08E-06	1.13E-07	9.37E-07	1.99E-06	1.09E-07	9.11E-07	1.94E-06
8,008	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.83E-07	2.11E-06	1.16E-07	9.60E-07	2.08E-06	1.13E-07	9.36E-07	1.99E-06	1.09E-07	9.11E-07	1.94E-06
8,009	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.82E-07	2.11E-06	1.16E-07	9.60E-07	2.08E-06	1.13E-07	9.36E-07	1.99E-06	1.09E-07	9.11E-07	1.94E-06
8,010	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.81E-07	2.11E-06	1.16E-07	9.59E-07	2.08E-06	1.13E-07	9.36E-07	1.99E-06	1.09E-07	9.10E-07	1.94E-06
8,011	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.81E-07	2.11E-06	1.16E-07	9.59E-07	2.08E-06	1.13E-07	9.35E-07	1.99E-06	1.09E-07	9.09E-07	1.94E-06
8,012	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.81E-07	2.11E-06	1.16E-07	9.58E-07	2.08E-06	1.13E-07	9.35E-07	1.99E-06	1.09E-07	9.09E-07	1.93E-06
8,013	1.24E-07	1.02E-06	2.17E-06	1.20E-07	9.81E-07	2.11E-06	1.15E-07	9.57E-07	2.08E-06	1.13E-07	9.35E-07	1.99E-06	1.09E-07	9.09E-07	1.93E-06
8,014	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.80E-07	2.11E-06	1.15E-07	9.57E-07	2.07E-06	1.13E-07	9.34E-07	1.99E-06	1.09E-07	9.09E-07	1.93E-06
8,015	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.79E-07	2.11E-06	1.15E-07	9.57E-07	2.07E-06	1.13E-07	9.33E-07	1.99E-06	1.09E-07	9.08E-07	1.93E-06
8,016	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.79E-07	2.11E-06	1.15E-07	9.56E-07	2.07E-06	1.13E-07	9.33E-07	1.99E-06	1.09E-07	9.08E-07	1.93E-06
8,017	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.79E-07	2.10E-06	1.15E-07	9.56E-07	2.07E-06	1.13E-07	9.33E-07	1.99E-06	1.09E-07	9.07E-07	1.93E-06
8,018	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.78E-07	2.10E-06	1.15E-07	9.56E-07	2.07E-06	1.13E-07	9.32E-07	1.99E-06	1.09E-07	9.07E-07	1.93E-06
8,019	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.78E-07	2.10E-06	1.15E-07	9.56E-07	2.07E-06	1.13E-07	9.32E-07	1.98E-06	1.09E-07	9.07E-07	1.93E-06
8,020	1.24E-07	1.02E-06	2.16E-06	1.20E-07	9.78E-07	2.10E-06	1.15E-07	9.55E-07	2.07E-06	1.13E-07	9.32E-07	1.98E-06	1.09E-07	9.06E-07	1.93E-06
8,021	1.24E-07	1.01E-06	2.16E-06	1.20E-07	9.78E-07	2.10E-06	1.15E-07	9.53E-07	2.07E-06	1.13E-07	9.32E-07	1.98E-06	1.09E-07	9.05E-07	1.93E-06
8,022	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.77E-07	2.10E-06	1.15E-07	9.52E-07	2.07E-06	1.13E-07	9.31E-07	1.98E-06	1.09E-07	9.05E-07	1.93E-06
8,023	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.77E-07	2.10E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.31E-07	1.98E-06	1.09E-07	9.05E-07	1.93E-06
8,024	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.76E-07	2.10E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.31E-07	1.98E-06	1.09E-07	9.05E-07	1.93E-06
8,025	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.75E-07	2.10E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.30E-07	1.98E-06	1.09E-07	9.04E-07	1.93E-06
8,026	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.75E-07	2.09E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.30E-07	1.98E-06	1.08E-07	9.04E-07	1.93E-06
8,027	1.23E-07	1.01E-06	2.16E-06	1.20E-07	9.75E-07	2.09E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.29E-07	1.98E-06	1.08E-07	9.04E-07	1.93E-06
8,028	1.23E-07	1.01E-06	2.16E-06	1.19E-07	9.75E-07	2.09E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.28E-07	1.98E-06	1.08E-07	9.04E-07	1.93E-06
8,029	1.23E-07	1.01E-06	2.15E-06	1.19E-07	9.74E-07	2.09E-06	1.15E-07	9.51E-07	2.06E-06	1.13E-07	9.28E-07	1.98E-06	1.08E-07	9.04E-07	1.93E-06
8,030	1.23E-07	1.01E-06	2.15E-06	1.19E-07	9.74E-07	2.09E-06	1.15E-07	9.50E-07	2.06E-06	1.13E-07	9.28E-07	1.98E-06	1.08E-07	9.03E-07	1.92E-06
8,031	1.23E-07	1.01E-06	2.15E-06	1.19E-07	9.74E-07	2.09E-06	1.15E-07	9.50E-07	2.06E-06	1.13E-07	9.27E-07	1.97E-06	1.08E-07	9.03E-07	1.92E-06
8,032	1.23E-07	1.01E-06	2.15E-06	1.19E-07	9.74E-07	2.09E-06	1.15E-07	9.50E-07	2.06E-06	1.13E-07	9.27E-07	1.97E-06	1.08E-07	9.03E-07	1.92E-06
8,033	1.23E-07	1.01E-06	2.15E-06	1.19E-07	9.74E-07	2.09E-06	1.15E-07	9.49E-07	2.06E-06	1.13E-07	9.27E-07	1.97E-06	1.08E-07	9.03E-07	1.92E-06
8,034	1.23E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,038	1.22E-07	1.01E-06	2.15E-06	1.19E-07	9.73E-07	2.08E-06	1.14E-07	9.46E-07	2.05E-06	1.12E-07	9.26E-07	1.97E-06	1.08E-07	9.01E-07	1.92E-06
8,039	1.22E-07	1.01E-06	2.15E-06	1.19E-07	9.72E-07	2.08E-06	1.14E-07	9.45E-07	2.05E-06	1.12E-07	9.25E-07	1.97E-06	1.08E-07	9.00E-07	1.92E-06
8,040	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.72E-07	2.08E-06	1.14E-07	9.45E-07	2.05E-06	1.12E-07	9.25E-07	1.97E-06	1.08E-07	9.00E-07	1.92E-06
8,041	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.72E-07	2.08E-06	1.14E-07	9.44E-07	2.05E-06	1.12E-07	9.24E-07	1.97E-06	1.08E-07	9.00E-07	1.92E-06
8,042	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.71E-07	2.08E-06	1.14E-07	9.44E-07	2.05E-06	1.12E-07	9.24E-07	1.97E-06	1.08E-07	9.00E-07	1.91E-06
8,043	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.71E-07	2.08E-06	1.14E-07	9.44E-07	2.05E-06	1.12E-07	9.24E-07	1.97E-06	1.08E-07	8.99E-07	1.91E-06
8,044	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.71E-07	2.08E-06	1.14E-07	9.44E-07	2.05E-06	1.12E-07	9.24E-07	1.97E-06	1.08E-07	8.99E-07	1.91E-06
8,045	1.22E-07	1.00E-06	2.14E-06	1.19E-07	9.70E-07	2.08E-06	1.14E-07	9.44E-07	2.04E-06	1.12E-07	9.23E-07	1.97E-06	1.08E-07	8.99E-07	1.91E-06
8,046	1.22E-07	1.00E-06	2.14E-06	1.18E-07	9.70E-07	2.08E-06	1.14E-07	9.44E-07	2.04E-06	1.12E-07	9.23E-07	1.97E-06	1.08E-07	8.99E-07	1.91E-06
8,047	1.22E-07	1.00E-06	2.14E-06	1.18E-07	9.70E-07	2.07E-06	1.14E-07	9.44E-07	2.04E-06	1.12E-07	9.23E-07	1.97E-06	1.08E-07	8.98E-07	1.91E-06
8,048	1.22E-07	1.00E-06	2.14E-06	1.18E-07	9.69E-07	2.07E-06	1.14E-07	9.42E-07	2.04E-06	1.12E-07	9.23E-07	1.96E-06	1.08E-07	8.98E-07	1.91E-06
8,049	1.22E-07	1.00E-06	2.13E-06	1.18E-07	9.69E-07	2.07E-06	1.14E-07	9.41E-07	2.04E-06	1.12E-07	9.23E-07	1.96E-06	1.08E-07	8.98E-07	1.91E-06
8,050	1.22E-07	1.00E-06	2.13E-06	1.18E-07	9.69E-07	2.07E-06	1.14E-07	9.41E-07	2.04E-06	1.12E-07	9.23E-07	1.96E-06	1.08E-07	8.98E-07	1.91E-06
8,051	1.22E-07	1.00E-06	2.13E-06	1.18E-07	9.68E-07	2.07E-06	1.14E-07	9.41E-07	2.04E-06	1.12E-07	9.23E-07	1.96E-06	1.08E-07	8.98E-07	1.91E-06
8,052	1.22E-07	1.00E-06	2.13E-06	1.18E-07	9.67E-07	2.07E-06	1.14E-07	9.41E-07	2.04E-06	1.12E-07	9.22E-07	1.96E-06	1.08E-07	8.97E-07	1.91E-06
8,053	1.22E-07	9.99E-07	2.13E-06	1.18E-07	9.67E-07	2.07E-06	1.14E-07	9.41E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.08E-07	8.97E-07	1.91E-06
8,054	1.22E-07	9.99E-07	2.13E-06	1.18E-07	9.67E-07	2.07E-06	1.14E-07	9.38E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.97E-07	1.91E-06
8,055	1.21E-07	9.99E-07	2.13E-06	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.38E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.97E-07	1.91E-06
8,056	1.21E-07	9.98E-07	2.13E-06	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.38E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.96E-07	1.91E-06
8,057	1.21E-07	9.98E-07	2.13E-06	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.37E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.95E-07	1.90E-06
8,058	1.21E-07	9.98E-07	2.13E-06	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.37E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.95E-07	1.90E-06
8,059	1.21E-07	9.98E-07	2.13E-06	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.37E-07	2.03E-06	1.12E-07	9.22E-07	1.96E-06	1.07E-07	8.94E-07	1.90E-06
8,060	1.21E-07	9.97E-07	2.13E-06	1.18E-07	9.65E-07	2.06E-06	1.14E-07	9.37E-07	2.03E-06	1.11E-07	9.21E-07	1.96E-06	1.07E-07	8.94E-07	1.90E-06
8,061	1.21E-07	9.96E-07	2.13E-06	1.18E-07	9.65E-07	2.06E-06	1.14E-07	9.37E-07	2.03E-06	1.11E-07	9.21E-07	1.95E-06	1.07E-07	8.94E-07	1.90E-06
8,062	1.21E-07	9.96E-07	2.13E-06	1.18E-07	9.65E-07	2.06E-06	1.14E-07	9.36E-07	2.03E-06	1.11E-07	9.21E-07	1.95E-06	1.07E-07	8.94E-07	1.90E-06
8,063	1.21E-07	9.96E-07	2.13E-06	1.18E-07	9.64E-07	2.06E-06	1.14E-07	9.36E-07	2.03E-06	1.11E-07	9.20E-07	1.95E-06	1.07E-07	8.93E-07	1.90E-06
8,064	1.21E-07	9.95E-07	2.13E-06	1.17E-07	9.64E-07	2.06E-06	1.14E-07	9.36E-07	2.02E-06	1.11E-07	9.20E-07	1.95E-06	1.07E-07	8.93E-07	1.90E-06
8,065	1.21E-07	9.95E-07	2.13E-06	1.17E-07	9.62E-07	2.06E-06	1.14E-07	9.36E-07	2.02E-06	1.11E-07	9.20E-07	1.95E-06	1.07E-07	8.93E-07	1.90E-06
8,066	1.21E-07	9.94E-07	2.12E-06	1.17E-07	9.62E-07	2.06E-06	1.13E-07	9.35E-07	2.02E-06	1.11E-07	9.19E-07	1.95E-06	1.07E-07	8.92E-07	1.90E-06
8,067	1.21E-07	9.94E-07	2.12E-06	1.17E-07	9.62E-07	2.05E-06	1.13E-07	9.35E-07	2.02E-06	1.11E-07	9.19E-07	1.95E-06	1.07E-07	8.92E-07	1.90E-06
8,068	1.21E-07	9.93E-07	2.12E-06	1.17E-07	9.62E-07	2.05E-06	1.13E-07	9.35E-07	2.02E-06	1.11E-07	9.19E-07	1.95E-06	1.07E-07	8.92E-07	1.90E-06
8,069	1.21E-07	9.93E-07	2.12E-06	1.17E-07	9.60E-07	2.05E-06	1.13E-07	9.35E-07	2.02E-06	1.11E-07	9.18E-07	1.95E-06	1.07E-07	8.92E-07	1.90E-06
8,070	1.21E-07	9.92E-07	2.12E-06	1.17E-07	9.58E-07	2.05E-06	1.13E-07	9.35E-07	2.02E-06	1.11E-07	9.18E-07	1.95E-06	1.07E-07	8.92E-07	1.90E-06
8,071	1.21E-07	9.92E-07	2.12E-06	1.17E-07	9.58E-07	2.05E-06	1.13E-07	9.34E-07	2.02E-06	1.11E-07	9.18E-07	1.95E-06	1.07E-07	8.91E-07	1.90E-06
8,072	1.21E-07	9.92E-07	2.12E-06	1.17E-07	9.58E-07	2.05E-06	1.13E-07	9.34E-07	2.01E-06	1.11E-07	9.17E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06
8,073	1.21E-07	9.91E-07	2.12E-06	1.17E-07	9.54E-07	2.05E-06	1.13E-07	9.34E-07	2.01E-06	1.11E-07	9.17E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06
8,074	1.21E-07	9.91E-07	2.12E-06	1.17E-07	9.54E-07	2.05E-06	1.13E-07	9.33E-07	2.01E-06	1.11E-07	9.17E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06
8,075	1.21E-07	9.91E-07	2.12E-06	1.17E-07	9.53E-07	2.05E-06	1.13E-07	9.33E-07	2.01E-06	1.11E-07	9.16E-07	1.95E-06	1.07E-07	8.89E-07	1.89E-06
8,076	1.21E-07	9.90E-07	2.12E-06	1.17E-07	9.52E-07	2.05E-06	1.13E-07	9.32E-07	2.01E-06	1.11E-07	9.15E-07	1.95E-06	1.07E-07	8.88E-07	1.89E-06
8,077	1.21E-07	9.89E-07	2.12E-06	1.17E-07	9.52E-07	2.05E-06	1.13E-07	9.32E-07	2.01E-06	1.10E-07	9.15E-07	1.95E-06	1.07E-07	8.88E-07	1.89E-06
8,078	1.20E-07	9.89E-07	2.11E-06	1.17E-07	9.52E-07	2.05E-06	1.13E-07	9.31E-07	2.01E-06	1.10E-07	9.15E-07	1.94E-06	1.07E-07	8.87E-07	1.89E-06
8,079	1.20E-07	9.89E-07	2.11E-06	1.17E-07	9.52E-07	2.05E-06	1.12E-07	9.31E-07	2.01E-06	1.10E-07	9.15E-07	1.94E-06	1.07E-07	8.86E-07	1.89E-06
8,080	1.20E-07	9.89E-07	2.11E-06	1.17E-07	9.52E-07	2.04E-06	1.12E-07	9.30E-07	2.01E-06	1.10E-07	9.15E-07	1.94E-06	1.06E-07	8.86E-07	1.89E-06
8,081	1.20E-07	9.89E-07	2.11E-06	1.17E-07	9.51E-07	2.04E-06	1.12E-07	9.30E-07	2.01E-06	1.10E-07	9.14E-07	1.94E-06	1.06E-07	8.84E-07	1.89E-06
8,082	1.20E-07	9.88E-07	2.11E-06	1.17E-07	9.50E-07	2.04E-06	1.12E-07	9.29E-07	2.01E-06	1.10E-07	9.14E-07	1.94E-06	1.06E-07	8.83E-07	1.89E-06
8,083	1.20E-07	9.87E-07	2.11E-06	1.17E-07	9.50E-07	2.04E-06	1.12E-07	9.29E-07	2.01E-06	1.10E-07	9.13E-07	1.94E-06	1.06E-07	8.83E-07	1.88E-06
8,084	1.20E-07	9.87E-07	2.11E-06	1.17E-07	9.49E-07	2.04E-06	1.12E-07	9.29E-07	2.01E-06	1.10E-07	9.13E-07	1.94E-06	1.06E-07	8.82E-07	1.88E-06
8,085	1.20E-07	9.87E-07	2.11E-06	1.17E-07	9.48E-07	2.04E-06	1.12E-07	9.29E-07	2.01E-06	1.10E-07	9.13E-07	1.94E-06	1.06E-07	8.81E-07	1.88E-06
8,086	1.20E-07	9.87E-07	2.10E-06	1.17E-07	9.48E-07	2.04E-06	1.12E-07	9.28E-07	2.01E-06	1.10E-07	9.13E-07	1.94E-06	1.06E-07	8.81E-07	1.88E-06
8,087	1.20E-07	9.87E-07	2.10E-06	1.16E-07	9.48E-07	2.04E-06	1.12E-07	9.27E-07	2.01E-06	1.10E-07	9.11E-07	1.94E-06	1.06E-07	8.81E-07	1.88E-06
8,088	1.20E-07	9.87E-07	2.10E-06	1.16E-07	9.47E-07	2.04E-06	1.12E-07	9.26E-07	2.01E-06	1.10E-07	9.11E-07	1.94E-06	1.06E-07	8.79E-07	1.88E-06
8,089	1.20E-07	9.87E-07	2.10E-06	1.16E-07	9.47E-07	2.04E-06	1.12E-07	9.26E-07	2.00E-06	1.10E-07	9.11E-07	1.94E-06	1.06E-07	8.79E-07	1.88E-06
8,090	1.20E-07	9.86E-07	2.10E-06	1.16E-07	9.47E-07	2.03E-06	1.12E-07	9.26E-07	2.00E-06	1.10E-07	9.10E-07	1.94E-06	1.06E-07	8.78E-07	1.88E-06
8,091	1.20E-07	9.85E-07	2.10E-06	1.16E-07	9.47E-07	2.03E-06	1.12E-07	9.26E-07	2.00E-06	1.10E-07	9.10E-07	1.94E-06	1.06E-07	8.78E-07	1.88E-06
8,092	1.20E-07	9.85E-07	2.09E-06	1.16E-07	9.46E-07	2.03E-06	1.12E-07	9.25E-07	2.00E-06	1.10E-07	9.10E-07	1.94E-06	1.06E-07	8.78E-07	1.88E-06
8,093	1.20E-07	9.84E-07	2.09E-06	1.16E-07	9.46E-07	2.03E-06	1.12E-07	9.25E-07	2.00E-06	1.10E-07	9.10E-07	1.94E-06	1.06E-07	8.78E-07	1.88E-06
8,094	1.20E-07	9.84E-07	2.09E-06	1.16E-07	9.46E-07	2.03E-06	1.12E-07	9.25E-07	2.00E-06	1.10E-07	9.10E-07	1.94E-06	1.06E-07	8.77E-07	1.88E-06
8,095	1.20E-07	9.83E-07	2.09E-06	1.16E-07	9.46E-07	2.03E-06	1.12E-07	9.24E-07	2.00E-06	1.10E-07	9.09E-07	1.94E-06	1.06E-07	8.77E-07	1.88E-06
8,096	1.20E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,100	1.20E-07	9.81E-07	2.09E-06	1.16E-07	9.43E-07	2.03E-06	1.11E-07	9.23E-07	1.99E-06	1.09E-07	9.07E-07	1.93E-06	1.06E-07	8.75E-07	1.87E-06
8,101	1.20E-07	9.81E-07	2.09E-06	1.16E-07	9.43E-07	2.03E-06	1.11E-07	9.23E-07	1.99E-06	1.09E-07	9.07E-07	1.93E-06	1.06E-07	8.75E-07	1.87E-06
8,102	1.20E-07	9.81E-07	2.08E-06	1.16E-07	9.43E-07	2.03E-06	1.11E-07	9.23E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.75E-07	1.87E-06
8,103	1.20E-07	9.81E-07	2.08E-06	1.16E-07	9.42E-07	2.03E-06	1.11E-07	9.23E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.74E-07	1.87E-06
8,104	1.20E-07	9.80E-07	2.08E-06	1.16E-07	9.41E-07	2.03E-06	1.11E-07	9.23E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.74E-07	1.87E-06
8,105	1.20E-07	9.79E-07	2.08E-06	1.16E-07	9.41E-07	2.03E-06	1.11E-07	9.22E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.73E-07	1.87E-06
8,106	1.20E-07	9.79E-07	2.08E-06	1.16E-07	9.41E-07	2.02E-06	1.11E-07	9.22E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.73E-07	1.87E-06
8,107	1.19E-07	9.79E-07	2.08E-06	1.16E-07	9.41E-07	2.02E-06	1.11E-07	9.22E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.73E-07	1.87E-06
8,108	1.19E-07	9.79E-07	2.08E-06	1.15E-07	9.41E-07	2.02E-06	1.11E-07	9.22E-07	1.99E-06	1.09E-07	9.06E-07	1.93E-06	1.06E-07	8.72E-07	1.87E-06
8,109	1.19E-07	9.79E-07	2.08E-06	1.15E-07	9.41E-07	2.02E-06	1.11E-07	9.21E-07	1.99E-06	1.09E-07	9.05E-07	1.93E-06	1.06E-07	8.72E-07	1.87E-06
8,110	1.19E-07	9.77E-07	2.08E-06	1.15E-07	9.40E-07	2.02E-06	1.11E-07	9.21E-07	1.99E-06	1.09E-07	9.05E-07	1.93E-06	1.06E-07	8.72E-07	1.87E-06
8,111	1.19E-07	9.77E-07	2.08E-06	1.15E-07	9.39E-07	2.02E-06	1.11E-07	9.21E-07	1.99E-06	1.09E-07	9.04E-07	1.93E-06	1.05E-07	8.72E-07	1.87E-06
8,112	1.19E-07	9.76E-07	2.08E-06	1.15E-07	9.39E-07	2.02E-06	1.11E-07	9.20E-07	1.99E-06	1.09E-07	9.03E-07	1.93E-06	1.05E-07	8.72E-07	1.86E-06
8,113	1.19E-07	9.76E-07	2.08E-06	1.15E-07	9.39E-07	2.02E-06	1.11E-07	9.20E-07	1.99E-06	1.09E-07	9.03E-07	1.93E-06	1.05E-07	8.72E-07	1.86E-06
8,114	1.19E-07	9.76E-07	2.08E-06	1.15E-07	9.38E-07	2.02E-06	1.11E-07	9.20E-07	1.99E-06	1.09E-07	9.01E-07	1.93E-06	1.05E-07	8.70E-07	1.86E-06
8,115	1.19E-07	9.76E-07	2.08E-06	1.15E-07	9.38E-07	2.02E-06	1.11E-07	9.20E-07	1.99E-06	1.09E-07	9.01E-07	1.93E-06	1.05E-07	8.70E-07	1.86E-06
8,116	1.19E-07	9.76E-07	2.08E-06	1.15E-07	9.38E-07	2.02E-06	1.11E-07	9.19E-07	1.99E-06	1.09E-07	9.01E-07	1.92E-06	1.05E-07	8.70E-07	1.86E-06
8,117	1.19E-07	9.74E-07	2.08E-06	1.15E-07	9.37E-07	2.02E-06	1.11E-07	9.18E-07	1.98E-06	1.09E-07	9.01E-07	1.92E-06	1.05E-07	8.70E-07	1.86E-06
8,118	1.19E-07	9.74E-07	2.07E-06	1.15E-07	9.36E-07	2.02E-06	1.11E-07	9.18E-07	1.98E-06	1.09E-07	9.01E-07	1.92E-06	1.05E-07	8.70E-07	1.86E-06
8,119	1.19E-07	9.74E-07	2.07E-06	1.15E-07	9.36E-07	2.02E-06	1.11E-07	9.17E-07	1.98E-06	1.09E-07	9.00E-07	1.92E-06	1.05E-07	8.70E-07	1.86E-06
8,120	1.19E-07	9.73E-07	2.07E-06	1.15E-07	9.36E-07	2.02E-06	1.10E-07	9.17E-07	1.98E-06	1.08E-07	9.00E-07	1.92E-06	1.05E-07	8.69E-07	1.86E-06
8,121	1.19E-07	9.73E-07	2.07E-06	1.15E-07	9.33E-07	2.02E-06	1.10E-07	9.16E-07	1.98E-06	1.08E-07	8.99E-07	1.92E-06	1.05E-07	8.67E-07	1.86E-06
8,122	1.19E-07	9.72E-07	2.07E-06	1.15E-07	9.32E-07	2.02E-06	1.10E-07	9.16E-07	1.98E-06	1.08E-07	8.99E-07	1.92E-06	1.05E-07	8.67E-07	1.86E-06
8,123	1.19E-07	9.72E-07	2.07E-06	1.15E-07	9.32E-07	2.02E-06	1.10E-07	9.15E-07	1.98E-06	1.08E-07	8.99E-07	1.91E-06	1.05E-07	8.66E-07	1.86E-06
8,124	1.19E-07	9.72E-07	2.07E-06	1.15E-07	9.32E-07	2.01E-06	1.10E-07	9.15E-07	1.98E-06	1.08E-07	8.99E-07	1.91E-06	1.05E-07	8.66E-07	1.85E-06
8,125	1.19E-07	9.72E-07	2.07E-06	1.15E-07	9.32E-07	2.01E-06	1.10E-07	9.15E-07	1.98E-06	1.08E-07	8.98E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,126	1.19E-07	9.72E-07	2.07E-06	1.15E-07	9.32E-07	2.01E-06	1.10E-07	9.15E-07	1.98E-06	1.08E-07	8.98E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,127	1.18E-07	9.71E-07	2.07E-06	1.15E-07	9.31E-07	2.01E-06	1.10E-07	9.14E-07	1.98E-06	1.08E-07	8.97E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,128	1.18E-07	9.71E-07	2.06E-06	1.14E-07	9.31E-07	2.01E-06	1.10E-07	9.13E-07	1.98E-06	1.08E-07	8.97E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,129	1.18E-07	9.71E-07	2.06E-06	1.14E-07	9.30E-07	2.01E-06	1.10E-07	9.13E-07	1.97E-06	1.08E-07	8.97E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,130	1.18E-07	9.68E-07	2.06E-06	1.14E-07	9.30E-07	2.01E-06	1.10E-07	9.13E-07	1.97E-06	1.08E-07	8.96E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06
8,131	1.18E-07	9.68E-07	2.06E-06	1.14E-07	9.30E-07	2.01E-06	1.09E-07	9.12E-07	1.97E-06	1.08E-07	8.96E-07	1.91E-06	1.05E-07	8.64E-07	1.85E-06
8,132	1.18E-07	9.68E-07	2.06E-06	1.14E-07	9.30E-07	2.00E-06	1.09E-07	9.10E-07	1.97E-06	1.08E-07	8.96E-07	1.91E-06	1.05E-07	8.63E-07	1.85E-06
8,133	1.18E-07	9.67E-07	2.06E-06	1.14E-07	9.29E-07	2.00E-06	1.09E-07	9.10E-07	1.97E-06	1.08E-07	8.96E-07	1.90E-06	1.05E-07	8.63E-07	1.85E-06
8,134	1.18E-07	9.67E-07	2.06E-06	1.14E-07	9.29E-07	2.00E-06	1.09E-07	9.10E-07	1.97E-06	1.08E-07	8.95E-07	1.90E-06	1.05E-07	8.63E-07	1.84E-06
8,135	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.29E-07	2.00E-06	1.09E-07	9.10E-07	1.97E-06	1.08E-07	8.95E-07	1.90E-06	1.05E-07	8.63E-07	1.84E-06
8,136	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.29E-07	2.00E-06	1.09E-07	9.09E-07	1.97E-06	1.08E-07	8.94E-07	1.90E-06	1.05E-07	8.62E-07	1.84E-06
8,137	1.18E-07	9.66E-07	2.06E-06	1.14E-07	9.28E-07	2.00E-06	1.09E-07	9.09E-07	1.97E-06	1.08E-07	8.94E-07	1.90E-06	1.05E-07	8.61E-07	1.84E-06
8,138	1.18E-07	9.65E-07	2.06E-06	1.14E-07	9.28E-07	2.00E-06	1.09E-07	9.09E-07	1.97E-06	1.08E-07	8.94E-07	1.90E-06	1.05E-07	8.61E-07	1.84E-06
8,139	1.18E-07	9.64E-07	2.05E-06	1.14E-07	9.28E-07	2.00E-06	1.09E-07	9.08E-07	1.97E-06	1.08E-07	8.94E-07	1.90E-06	1.04E-07	8.60E-07	1.84E-06
8,140	1.18E-07	9.64E-07	2.05E-06	1.14E-07	9.28E-07	2.00E-06	1.09E-07	9.08E-07	1.97E-06	1.08E-07	8.94E-07	1.90E-06	1.04E-07	8.60E-07	1.84E-06
8,141	1.18E-07	9.63E-07	2.05E-06	1.14E-07	9.27E-07	2.00E-06	1.09E-07	9.08E-07	1.97E-06	1.08E-07	8.93E-07	1.90E-06	1.04E-07	8.60E-07	1.84E-06
8,142	1.18E-07	9.62E-07	2.05E-06	1.14E-07	9.27E-07	2.00E-06	1.09E-07	9.08E-07	1.97E-06	1.08E-07	8.93E-07	1.90E-06	1.04E-07	8.60E-07	1.84E-06
8,143	1.18E-07	9.61E-07	2.05E-06	1.14E-07	9.26E-07	2.00E-06	1.09E-07	9.06E-07	1.97E-06	1.08E-07	8.93E-07	1.90E-06	1.04E-07	8.60E-07	1.84E-06
8,144	1.18E-07	9.61E-07	2.05E-06	1.14E-07	9.25E-07	2.00E-06	1.09E-07	9.06E-07	1.97E-06	1.08E-07	8.93E-07	1.90E-06	1.04E-07	8.59E-07	1.84E-06
8,145	1.18E-07	9.61E-07	2.05E-06	1.14E-07	9.25E-07	1.99E-06	1.09E-07	9.06E-07	1.96E-06	1.08E-07	8.92E-07	1.89E-06	1.04E-07	8.59E-07	1.83E-06
8,146	1.18E-07	9.60E-07	2.05E-06	1.13E-07	9.25E-07	1.99E-06	1.09E-07	9.06E-07	1.96E-06	1.08E-07	8.92E-07	1.89E-06	1.04E-07	8.59E-07	1.83E-06
8,147	1.18E-07	9.60E-07	2.05E-06	1.13E-07	9.25E-07	1.99E-06	1.09E-07	9.05E-07	1.96E-06	1.08E-07	8.92E-07	1.89E-06	1.04E-07	8.59E-07	1.83E-06
8,148	1.18E-07	9.58E-07	2.05E-06	1.13E-07	9.25E-07	1.99E-06	1.09E-07	9.04E-07	1.95E-06	1.08E-07	8.91E-07	1.89E-06	1.04E-07	8.58E-07	1.83E-06
8,149	1.17E-07	9.57E-07	2.05E-06	1.13E-07	9.23E-07	1.99E-06	1.09E-07	9.04E-07	1.95E-06	1.08E-07	8.91E-07	1.89E-06	1.04E-07	8.58E-07	1.83E-06
8,150	1.17E-07	9.57E-07	2.05E-06	1.13E-07	9.23E-07	1.99E-06	1.09E-07	9.04E-07	1.95E-06	1.08E-07	8.91E-07	1.89E-06	1.04E-07	8.58E-07	1.83E-06
8,151	1.17E-07	9.57E-07	2.04E-06	1.13E-07	9.22E-07	1.99E-06	1.09E-07	9.04E-07	1.95E-06	1.08E-07	8.91E-07	1.89E-06	1.04E-07	8.58E-07	1.83E-06
8,152	1.17E-07	9.57E-07	2.04E-06	1.13E-07	9.21E-07	1.99E-06	1.08E-07	9.03E-07	1.95E-06	1.07E-07	8.91E-07	1.89E-06	1.04E-07	8.57E-07	1.83E-06
8,153	1.17E-07	9.57E-07	2.04E-06	1.13E-07	9.21E-07	1.99E-06	1.08E-07	9.03E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06	1.04E-07	8.57E-07	1.83E-06
8,154	1.17E-07	9.56E-07	2.04E-06	1.13E-07	9.21E-07	1.98E-06	1.08E-07	9.03E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06	1.04E-07	8.56E-07	1.83E-06
8,155	1.17E-07	9.56E-07	2.04E-06	1.13E-07	9.21E-07	1.98E-06	1.08E-07	9.02E-07	1.95E-06	1.07E-07	8.90E-07	1.89E-06	1.04E-07	8.56E-07	1.83E-06
8,156	1.17E-07	9.56E-07	2.04E-06	1.13E-07	9.20E-07	1.98E-06	1.08E-07	9.02E-07	1.95E-06	1.07E-07	8.89E-07	1.89E-06	1.04E-07	8.56E-07	1.83E-06
8,157	1.17E-07	9.56E-07	2.04E-06	1.13E-07	9.19E-07	1.98E-06	1.08E-07	9.02E-07	1.95E-06	1.07E-07	8.89E-07	1.88E-06	1.03E-07	8.56E-07	1.83E-06
8,158	1.17E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,162	1.17E-07	9.54E-07	2.03E-06	1.12E-07	9.17E-07	1.98E-06	1.08E-07	8.98E-07	1.94E-06	1.07E-07	8.87E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06
8,163	1.17E-07	9.53E-07	2.03E-06	1.12E-07	9.17E-07	1.98E-06	1.08E-07	8.98E-07	1.94E-06	1.07E-07	8.87E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06
8,164	1.17E-07	9.53E-07	2.03E-06	1.12E-07	9.16E-07	1.98E-06	1.08E-07	8.98E-07	1.94E-06	1.07E-07	8.86E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06
8,165	1.17E-07	9.52E-07	2.03E-06	1.12E-07	9.16E-07	1.98E-06	1.08E-07	8.97E-07	1.94E-06	1.07E-07	8.86E-07	1.87E-06	1.03E-07	8.55E-07	1.82E-06
8,166	1.16E-07	9.52E-07	2.03E-06	1.12E-07	9.16E-07	1.98E-06	1.08E-07	8.97E-07	1.94E-06	1.07E-07	8.85E-07	1.87E-06	1.03E-07	8.55E-07	1.82E-06
8,167	1.16E-07	9.52E-07	2.03E-06	1.12E-07	9.15E-07	1.98E-06	1.08E-07	8.97E-07	1.94E-06	1.07E-07	8.85E-07	1.87E-06	1.03E-07	8.54E-07	1.82E-06
8,168	1.16E-07	9.52E-07	2.03E-06	1.12E-07	9.14E-07	1.97E-06	1.08E-07	8.97E-07	1.94E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.54E-07	1.81E-06
8,169	1.16E-07	9.52E-07	2.03E-06	1.12E-07	9.14E-07	1.97E-06	1.08E-07	8.95E-07	1.94E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.53E-07	1.81E-06
8,170	1.16E-07	9.51E-07	2.03E-06	1.12E-07	9.14E-07	1.97E-06	1.08E-07	8.95E-07	1.94E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.53E-07	1.81E-06
8,171	1.16E-07	9.50E-07	2.03E-06	1.12E-07	9.14E-07	1.97E-06	1.07E-07	8.95E-07	1.93E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.52E-07	1.81E-06
8,172	1.16E-07	9.50E-07	2.03E-06	1.12E-07	9.13E-07	1.97E-06	1.07E-07	8.94E-07	1.93E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.52E-07	1.81E-06
8,173	1.16E-07	9.50E-07	2.03E-06	1.12E-07	9.13E-07	1.97E-06	1.07E-07	8.94E-07	1.93E-06	1.07E-07	8.84E-07	1.87E-06	1.03E-07	8.51E-07	1.81E-06
8,174	1.16E-07	9.48E-07	2.02E-06	1.12E-07	9.13E-07	1.97E-06	1.07E-07	8.93E-07	1.93E-06	1.07E-07	8.83E-07	1.87E-06	1.03E-07	8.50E-07	1.81E-06
8,175	1.16E-07	9.47E-07	2.02E-06	1.12E-07	9.12E-07	1.97E-06	1.07E-07	8.93E-07	1.93E-06	1.07E-07	8.82E-07	1.87E-06	1.03E-07	8.49E-07	1.81E-06
8,176	1.16E-07	9.47E-07	2.02E-06	1.12E-07	9.12E-07	1.97E-06	1.07E-07	8.92E-07	1.93E-06	1.06E-07	8.80E-07	1.87E-06	1.03E-07	8.47E-07	1.81E-06
8,177	1.16E-07	9.47E-07	2.02E-06	1.12E-07	9.12E-07	1.97E-06	1.07E-07	8.92E-07	1.93E-06	1.06E-07	8.79E-07	1.87E-06	1.03E-07	8.47E-07	1.81E-06
8,178	1.16E-07	9.47E-07	2.02E-06	1.11E-07	9.12E-07	1.97E-06	1.07E-07	8.92E-07	1.93E-06	1.06E-07	8.79E-07	1.87E-06	1.02E-07	8.47E-07	1.81E-06
8,179	1.16E-07	9.47E-07	2.02E-06	1.11E-07	9.11E-07	1.96E-06	1.07E-07	8.92E-07	1.93E-06	1.06E-07	8.79E-07	1.87E-06	1.02E-07	8.46E-07	1.81E-06
8,180	1.16E-07	9.46E-07	2.02E-06	1.11E-07	9.11E-07	1.96E-06	1.07E-07	8.91E-07	1.93E-06	1.06E-07	8.78E-07	1.87E-06	1.02E-07	8.45E-07	1.81E-06
8,181	1.16E-07	9.46E-07	2.02E-06	1.11E-07	9.10E-07	1.96E-06	1.07E-07	8.91E-07	1.93E-06	1.06E-07	8.76E-07	1.86E-06	1.02E-07	8.45E-07	1.81E-06
8,182	1.16E-07	9.45E-07	2.02E-06	1.11E-07	9.09E-07	1.96E-06	1.07E-07	8.91E-07	1.93E-06	1.06E-07	8.76E-07	1.86E-06	1.02E-07	8.45E-07	1.81E-06
8,183	1.16E-07	9.45E-07	2.01E-06	1.11E-07	9.08E-07	1.96E-06	1.07E-07	8.90E-07	1.93E-06	1.06E-07	8.76E-07	1.86E-06	1.02E-07	8.45E-07	1.81E-06
8,184	1.15E-07	9.45E-07	2.01E-06	1.11E-07	9.08E-07	1.96E-06	1.07E-07	8.90E-07	1.93E-06	1.06E-07	8.76E-07	1.86E-06	1.02E-07	8.44E-07	1.81E-06
8,185	1.15E-07	9.45E-07	2.01E-06	1.11E-07	9.07E-07	1.96E-06	1.07E-07	8.90E-07	1.93E-06	1.06E-07	8.76E-07	1.86E-06	1.02E-07	8.44E-07	1.81E-06
8,186	1.15E-07	9.45E-07	2.01E-06	1.11E-07	9.07E-07	1.96E-06	1.07E-07	8.90E-07	1.93E-06	1.06E-07	8.75E-07	1.86E-06	1.02E-07	8.43E-07	1.80E-06
8,187	1.15E-07	9.44E-07	2.01E-06	1.11E-07	9.06E-07	1.96E-06	1.07E-07	8.90E-07	1.92E-06	1.06E-07	8.75E-07	1.86E-06	1.02E-07	8.42E-07	1.80E-06
8,188	1.15E-07	9.44E-07	2.01E-06	1.11E-07	9.05E-07	1.96E-06	1.07E-07	8.89E-07	1.92E-06	1.06E-07	8.73E-07	1.86E-06	1.02E-07	8.42E-07	1.80E-06
8,189	1.15E-07	9.43E-07	2.01E-06	1.11E-07	9.05E-07	1.96E-06	1.07E-07	8.89E-07	1.92E-06	1.06E-07	8.73E-07	1.86E-06	1.02E-07	8.41E-07	1.80E-06
8,190	1.15E-07	9.43E-07	2.01E-06	1.11E-07	9.05E-07	1.96E-06	1.07E-07	8.88E-07	1.92E-06	1.06E-07	8.72E-07	1.86E-06	1.02E-07	8.41E-07	1.80E-06
8,191	1.15E-07	9.43E-07	2.01E-06	1.11E-07	9.05E-07	1.96E-06	1.07E-07	8.88E-07	1.92E-06	1.06E-07	8.72E-07	1.86E-06	1.02E-07	8.41E-07	1.80E-06
8,192	1.15E-07	9.43E-07	2.01E-06	1.11E-07	9.04E-07	1.96E-06	1.07E-07	8.87E-07	1.92E-06	1.06E-07	8.72E-07	1.86E-06	1.02E-07	8.41E-07	1.80E-06
8,193	1.15E-07	9.42E-07	2.01E-06	1.11E-07	9.04E-07	1.96E-06	1.07E-07	8.86E-07	1.92E-06	1.06E-07	8.71E-07	1.86E-06	1.02E-07	8.41E-07	1.80E-06
8,194	1.15E-07	9.41E-07	2.01E-06	1.10E-07	9.04E-07	1.96E-06	1.07E-07	8.86E-07	1.92E-06	1.05E-07	8.70E-07	1.86E-06	1.02E-07	8.39E-07	1.80E-06
8,195	1.15E-07	9.41E-07	2.01E-06	1.10E-07	9.03E-07	1.96E-06	1.07E-07	8.86E-07	1.92E-06	1.05E-07	8.70E-07	1.85E-06	1.02E-07	8.38E-07	1.80E-06
8,196	1.15E-07	9.40E-07	2.01E-06	1.10E-07	9.03E-07	1.96E-06	1.07E-07	8.86E-07	1.92E-06	1.05E-07	8.70E-07	1.85E-06	1.02E-07	8.38E-07	1.80E-06
8,197	1.15E-07	9.40E-07	2.01E-06	1.10E-07	9.02E-07	1.96E-06	1.07E-07	8.86E-07	1.92E-06	1.05E-07	8.69E-07	1.85E-06	1.02E-07	8.37E-07	1.80E-06
8,198	1.15E-07	9.40E-07	2.00E-06	1.10E-07	9.02E-07	1.96E-06	1.06E-07	8.85E-07	1.92E-06	1.05E-07	8.69E-07	1.85E-06	1.02E-07	8.37E-07	1.80E-06
8,199	1.15E-07	9.40E-07	2.00E-06	1.10E-07	9.01E-07	1.95E-06	1.06E-07	8.85E-07	1.92E-06	1.05E-07	8.68E-07	1.85E-06	1.02E-07	8.37E-07	1.80E-06
8,200	1.15E-07	9.40E-07	2.00E-06	1.10E-07	9.00E-07	1.95E-06	1.06E-07	8.84E-07	1.92E-06	1.05E-07	8.68E-07	1.85E-06	1.02E-07	8.37E-07	1.80E-06
8,201	1.15E-07	9.39E-07	2.00E-06	1.10E-07	9.00E-07	1.95E-06	1.06E-07	8.84E-07	1.91E-06	1.05E-07	8.67E-07	1.85E-06	1.02E-07	8.37E-07	1.80E-06
8,202	1.15E-07	9.39E-07	2.00E-06	1.10E-07	9.00E-07	1.95E-06	1.06E-07	8.84E-07	1.91E-06	1.05E-07	8.67E-07	1.85E-06	1.02E-07	8.36E-07	1.80E-06
8,203	1.15E-07	9.39E-07	2.00E-06	1.10E-07	8.99E-07	1.95E-06	1.06E-07	8.84E-07	1.91E-06	1.05E-07	8.66E-07	1.85E-06	1.01E-07	8.36E-07	1.80E-06
8,204	1.14E-07	9.39E-07	2.00E-06	1.10E-07	8.99E-07	1.95E-06	1.06E-07	8.84E-07	1.91E-06	1.05E-07	8.66E-07	1.85E-06	1.01E-07	8.36E-07	1.79E-06
8,205	1.14E-07	9.38E-07	2.00E-06	1.10E-07	8.99E-07	1.95E-06	1.06E-07	8.84E-07	1.91E-06	1.05E-07	8.66E-07	1.85E-06	1.01E-07	8.35E-07	1.79E-06
8,206	1.14E-07	9.38E-07	2.00E-06	1.10E-07	8.98E-07	1.95E-06	1.06E-07	8.83E-07	1.91E-06	1.05E-07	8.65E-07	1.85E-06	1.01E-07	8.35E-07	1.79E-06
8,207	1.14E-07	9.38E-07	1.99E-06	1.10E-07	8.97E-07	1.95E-06	1.06E-07	8.82E-07	1.90E-06	1.05E-07	8.64E-07	1.85E-06	1.01E-07	8.35E-07	1.79E-06
8,208	1.14E-07	9.37E-07	1.99E-06	1.10E-07	8.97E-07	1.95E-06	1.06E-07	8.82E-07	1.90E-06	1.05E-07	8.64E-07	1.85E-06	1.01E-07	8.34E-07	1.79E-06
8,209	1.14E-07	9.37E-07	1.99E-06	1.10E-07	8.96E-07	1.95E-06	1.06E-07	8.82E-07	1.90E-06	1.05E-07	8.63E-07	1.85E-06	1.01E-07	8.34E-07	1.79E-06
8,210	1.14E-07	9.36E-07	1.99E-06	1.10E-07	8.96E-07	1.95E-06	1.06E-07	8.82E-07	1.90E-06	1.05E-07	8.63E-07	1.84E-06	1.01E-07	8.34E-07	1.79E-06
8,211	1.14E-07	9.36E-07	1.99E-06	1.09E-07	8.96E-07	1.95E-06	1.06E-07	8.81E-07	1.90E-06	1.05E-07	8.63E-07	1.84E-06	1.01E-07	8.34E-07	1.79E-06
8,212	1.14E-07	9.36E-07	1.99E-06	1.09E-07	8.95E-07	1.95E-06	1.06E-07	8.81E-07	1.90E-06	1.04E-07	8.63E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06
8,213	1.14E-07	9.35E-07	1.99E-06	1.09E-07	8.95E-07	1.95E-06	1.06E-07	8.80E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06
8,214	1.14E-07	9.35E-07	1.99E-06	1.09E-07	8.95E-07	1.94E-06	1.06E-07	8.80E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06
8,215	1.14E-07	9.34E-07	1.99E-06	1.09E-07	8.95E-07	1.94E-06	1.06E-07	8.80E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.78E-06
8,216	1.14E-07	9.34E-07	1.99E-06	1.09E-07	8.95E-07	1.94E-06	1.06E-07	8.80E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.78E-06
8,217	1.14E-07	9.33E-07	1.99E-06	1.09E-07	8.93E-07	1.94E-06	1.06E-07	8.80E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.78E-06
8,218	1.14E-07	9.33E-07	1.99E-06	1.09E-07	8.93E-07	1.94E-06	1.06E-07	8.79E-07	1.90E-06	1.04E-07	8.62E-07	1.84E-06	1.01E-07	8.33E-07	1.78E-06
8,219	1.14E-07	9.33E-07	1.99E-06	1.09E-07	8.91E-07	1.94E-06	1.06E-07	8.79E-07	1.90E-06	1.04E-07	8.61E-07	1.84E-06	1.01E-07	8.32E-07	1.78E-06
8,220	1.14E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,224	1.14E-07	9.31E-07	1.98E-06	1.09E-07	8.88E-07	1.94E-06	1.05E-07	8.77E-07	1.90E-06	1.04E-07	8.59E-07	1.83E-06	1.00E-07	8.31E-07	1.78E-06
8,225	1.14E-07	9.30E-07	1.98E-06	1.09E-07	8.88E-07	1.94E-06	1.05E-07	8.77E-07	1.90E-06	1.04E-07	8.59E-07	1.83E-06	1.00E-07	8.30E-07	1.78E-06
8,226	1.14E-07	9.30E-07	1.98E-06	1.09E-07	8.88E-07	1.94E-06	1.05E-07	8.76E-07	1.89E-06	1.04E-07	8.59E-07	1.83E-06	1.00E-07	8.30E-07	1.78E-06
8,227	1.13E-07	9.29E-07	1.98E-06	1.09E-07	8.88E-07	1.93E-06	1.05E-07	8.76E-07	1.89E-06	1.04E-07	8.59E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06
8,228	1.13E-07	9.29E-07	1.98E-06	1.09E-07	8.88E-07	1.93E-06	1.05E-07	8.76E-07	1.89E-06	1.04E-07	8.58E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06
8,229	1.13E-07	9.28E-07	1.98E-06	1.09E-07	8.87E-07	1.93E-06	1.05E-07	8.75E-07	1.89E-06	1.03E-07	8.58E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06
8,230	1.13E-07	9.28E-07	1.98E-06	1.09E-07	8.87E-07	1.93E-06	1.05E-07	8.75E-07	1.89E-06	1.03E-07	8.58E-07	1.83E-06	1.00E-07	8.28E-07	1.78E-06
8,231	1.13E-07	9.27E-07	1.98E-06	1.09E-07	8.87E-07	1.93E-06	1.05E-07	8.75E-07	1.89E-06	1.03E-07	8.57E-07	1.83E-06	1.00E-07	8.28E-07	1.77E-06
8,232	1.13E-07	9.27E-07	1.98E-06	1.09E-07	8.87E-07	1.93E-06	1.05E-07	8.75E-07	1.89E-06	1.03E-07	8.57E-07	1.83E-06	1.00E-07	8.27E-07	1.77E-06
8,233	1.13E-07	9.27E-07	1.98E-06	1.09E-07	8.87E-07	1.93E-06	1.05E-07	8.75E-07	1.89E-06	1.03E-07	8.57E-07	1.83E-06	9.99E-08	8.27E-07	1.77E-06
8,234	1.13E-07	9.26E-07	1.98E-06	1.09E-07	8.86E-07	1.93E-06	1.05E-07	8.75E-07	1.88E-06	1.03E-07	8.55E-07	1.83E-06	9.99E-08	8.27E-07	1.77E-06
8,235	1.13E-07	9.26E-07	1.98E-06	1.09E-07	8.86E-07	1.93E-06	1.05E-07	8.75E-07	1.88E-06	1.03E-07	8.55E-07	1.83E-06	9.98E-08	8.27E-07	1.77E-06
8,236	1.13E-07	9.25E-07	1.98E-06	1.09E-07	8.86E-07	1.93E-06	1.05E-07	8.75E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06	9.97E-08	8.27E-07	1.77E-06
8,237	1.13E-07	9.23E-07	1.98E-06	1.09E-07	8.86E-07	1.93E-06	1.05E-07	8.74E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06	9.96E-08	8.27E-07	1.77E-06
8,238	1.13E-07	9.23E-07	1.98E-06	1.08E-07	8.86E-07	1.93E-06	1.05E-07	8.74E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06	9.96E-08	8.25E-07	1.77E-06
8,239	1.13E-07	9.23E-07	1.98E-06	1.08E-07	8.84E-07	1.93E-06	1.05E-07	8.73E-07	1.88E-06	1.03E-07	8.55E-07	1.82E-06	9.96E-08	8.25E-07	1.77E-06
8,240	1.13E-07	9.22E-07	1.98E-06	1.08E-07	8.84E-07	1.93E-06	1.05E-07	8.73E-07	1.88E-06	1.03E-07	8.54E-07	1.82E-06	9.96E-08	8.25E-07	1.77E-06
8,241	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.84E-07	1.93E-06	1.04E-07	8.72E-07	1.88E-06	1.03E-07	8.54E-07	1.82E-06	9.95E-08	8.25E-07	1.77E-06
8,242	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.84E-07	1.93E-06	1.04E-07	8.72E-07	1.88E-06	1.03E-07	8.53E-07	1.82E-06	9.95E-08	8.24E-07	1.76E-06
8,243	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.83E-07	1.93E-06	1.04E-07	8.72E-07	1.88E-06	1.03E-07	8.53E-07	1.82E-06	9.95E-08	8.24E-07	1.76E-06
8,244	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.82E-07	1.93E-06	1.04E-07	8.72E-07	1.88E-06	1.03E-07	8.53E-07	1.82E-06	9.95E-08	8.24E-07	1.76E-06
8,245	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.82E-07	1.92E-06	1.04E-07	8.71E-07	1.88E-06	1.03E-07	8.53E-07	1.82E-06	9.95E-08	8.24E-07	1.76E-06
8,246	1.13E-07	9.22E-07	1.97E-06	1.08E-07	8.82E-07	1.92E-06	1.04E-07	8.69E-07	1.88E-06	1.03E-07	8.52E-07	1.82E-06	9.93E-08	8.22E-07	1.76E-06
8,247	1.13E-07	9.21E-07	1.97E-06	1.08E-07	8.81E-07	1.92E-06	1.04E-07	8.69E-07	1.88E-06	1.03E-07	8.52E-07	1.82E-06	9.92E-08	8.21E-07	1.76E-06
8,248	1.13E-07	9.20E-07	1.97E-06	1.08E-07	8.81E-07	1.92E-06	1.04E-07	8.67E-07	1.88E-06	1.03E-07	8.50E-07	1.82E-06	9.92E-08	8.20E-07	1.76E-06
8,249	1.12E-07	9.20E-07	1.97E-06	1.08E-07	8.81E-07	1.92E-06	1.04E-07	8.67E-07	1.88E-06	1.03E-07	8.50E-07	1.82E-06	9.91E-08	8.19E-07	1.76E-06
8,250	1.12E-07	9.20E-07	1.96E-06	1.08E-07	8.80E-07	1.92E-06	1.04E-07	8.66E-07	1.88E-06	1.03E-07	8.49E-07	1.82E-06	9.90E-08	8.19E-07	1.76E-06
8,251	1.12E-07	9.19E-07	1.96E-06	1.08E-07	8.80E-07	1.92E-06	1.04E-07	8.66E-07	1.87E-06	1.02E-07	8.49E-07	1.82E-06	9.90E-08	8.19E-07	1.76E-06
8,252	1.12E-07	9.19E-07	1.96E-06	1.08E-07	8.80E-07	1.92E-06	1.04E-07	8.66E-07	1.87E-06	1.02E-07	8.49E-07	1.82E-06	9.90E-08	8.19E-07	1.76E-06
8,253	1.12E-07	9.19E-07	1.96E-06	1.08E-07	8.79E-07	1.92E-06	1.04E-07	8.66E-07	1.87E-06	1.02E-07	8.49E-07	1.81E-06	9.90E-08	8.18E-07	1.76E-06
8,254	1.12E-07	9.19E-07	1.96E-06	1.08E-07	8.79E-07	1.92E-06	1.04E-07	8.65E-07	1.87E-06	1.02E-07	8.49E-07	1.81E-06	9.90E-08	8.18E-07	1.76E-06
8,255	1.12E-07	9.18E-07	1.96E-06	1.08E-07	8.78E-07	1.92E-06	1.04E-07	8.65E-07	1.87E-06	1.02E-07	8.48E-07	1.81E-06	9.90E-08	8.18E-07	1.76E-06
8,256	1.12E-07	9.17E-07	1.96E-06	1.08E-07	8.78E-07	1.92E-06	1.04E-07	8.65E-07	1.87E-06	1.02E-07	8.48E-07	1.81E-06	9.89E-08	8.17E-07	1.76E-06
8,257	1.12E-07	9.17E-07	1.96E-06	1.08E-07	8.78E-07	1.92E-06	1.04E-07	8.65E-07	1.87E-06	1.02E-07	8.48E-07	1.81E-06	9.89E-08	8.17E-07	1.75E-06
8,258	1.12E-07	9.17E-07	1.95E-06	1.08E-07	8.78E-07	1.92E-06	1.04E-07	8.64E-07	1.87E-06	1.02E-07	8.47E-07	1.81E-06	9.89E-08	8.17E-07	1.75E-06
8,259	1.12E-07	9.16E-07	1.95E-06	1.08E-07	8.77E-07	1.92E-06	1.04E-07	8.64E-07	1.86E-06	1.02E-07	8.47E-07	1.81E-06	9.88E-08	8.17E-07	1.75E-06
8,260	1.12E-07	9.15E-07	1.95E-06	1.08E-07	8.77E-07	1.92E-06	1.04E-07	8.63E-07	1.86E-06	1.02E-07	8.47E-07	1.81E-06	9.88E-08	8.16E-07	1.75E-06
8,261	1.12E-07	9.15E-07	1.95E-06	1.08E-07	8.77E-07	1.92E-06	1.04E-07	8.63E-07	1.86E-06	1.02E-07	8.47E-07	1.81E-06	9.87E-08	8.16E-07	1.75E-06
8,262	1.12E-07	9.13E-07	1.95E-06	1.08E-07	8.77E-07	1.91E-06	1.04E-07	8.62E-07	1.86E-06	1.02E-07	8.47E-07	1.81E-06	9.87E-08	8.15E-07	1.75E-06
8,263	1.12E-07	9.13E-07	1.95E-06	1.08E-07	8.76E-07	1.91E-06	1.03E-07	8.62E-07	1.86E-06	1.02E-07	8.46E-07	1.80E-06	9.87E-08	8.14E-07	1.75E-06
8,264	1.12E-07	9.13E-07	1.95E-06	1.07E-07	8.76E-07	1.91E-06	1.03E-07	8.61E-07	1.86E-06	1.02E-07	8.46E-07	1.80E-06	9.86E-08	8.14E-07	1.75E-06
8,265	1.12E-07	9.12E-07	1.95E-06	1.07E-07	8.76E-07	1.91E-06	1.03E-07	8.61E-07	1.86E-06	1.02E-07	8.46E-07	1.80E-06	9.86E-08	8.14E-07	1.75E-06
8,266	1.12E-07	9.12E-07	1.95E-06	1.07E-07	8.76E-07	1.91E-06	1.03E-07	8.61E-07	1.86E-06	1.02E-07	8.45E-07	1.80E-06	9.86E-08	8.14E-07	1.75E-06
8,267	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.76E-07	1.91E-06	1.03E-07	8.60E-07	1.85E-06	1.02E-07	8.45E-07	1.80E-06	9.85E-08	8.13E-07	1.75E-06
8,268	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.76E-07	1.91E-06	1.03E-07	8.60E-07	1.85E-06	1.02E-07	8.45E-07	1.80E-06	9.85E-08	8.13E-07	1.74E-06
8,269	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.75E-07	1.91E-06	1.03E-07	8.60E-07	1.85E-06	1.02E-07	8.44E-07	1.80E-06	9.84E-08	8.13E-07	1.74E-06
8,270	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.75E-07	1.91E-06	1.03E-07	8.59E-07	1.85E-06	1.01E-07	8.44E-07	1.80E-06	9.84E-08	8.12E-07	1.74E-06
8,271	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.75E-07	1.91E-06	1.03E-07	8.59E-07	1.85E-06	1.01E-07	8.44E-07	1.80E-06	9.83E-08	8.12E-07	1.74E-06
8,272	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.75E-07	1.91E-06	1.03E-07	8.57E-07	1.85E-06	1.01E-07	8.43E-07	1.80E-06	9.83E-08	8.12E-07	1.74E-06
8,273	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.74E-07	1.91E-06	1.03E-07	8.57E-07	1.85E-06	1.01E-07	8.42E-07	1.80E-06	9.83E-08	8.11E-07	1.74E-06
8,274	1.12E-07	9.10E-07	1.94E-06	1.07E-07	8.74E-07	1.91E-06	1.03E-07	8.56E-07	1.85E-06	1.01E-07	8.42E-07	1.80E-06	9.83E-08	8.11E-07	1.74E-06
8,275	1.12E-07	9.09E-07	1.94E-06	1.07E-07	8.73E-07	1.90E-06	1.03E-07	8.56E-07	1.85E-06	1.01E-07	8.42E-07	1.80E-06	9.83E-08	8.11E-07	1.74E-06
8,276	1.12E-07	9.09E-07	1.94E-06	1.07E-07	8.73E-07	1.90E-06	1.03E-07	8.56E-07	1.85E-06	1.01E-07	8.41E-07	1.80E-06	9.82E-08	8.11E-07	1.74E-06
8,277	1.12E-07	9.09E-07	1.94E-06	1.07E-07	8.73E-07	1.90E-06	1.03E-07	8.56E-07	1.85E-06	1.01E-07	8.41E-07	1.80E-06	9.81E-08	8.11E-07	1.74E-06
8,278	1.12E-07	9.09E-07	1.94E-06	1.07E-07	8.73E-07	1.90E-06	1.03E-07	8.55E-07	1.85E-06	1.01E-07	8.40E-07	1.80E-06	9.81E-08	8.10E-07	1.73E-06
8,279	1.12E-07	9.09E-07	1.94E-06	1.07E-07	8.73E-07	1.90E-06	1.03E-07	8.54E-07	1.85E-06	1.01E-07	8.40E-07	1.80E-06	9.80E-08	8.09E-07	1.73E-06
8,280	1.12E-07	9.08E-07	1.93E-06	1.07E-07	8.72E-07	1.90E-06	1.03E-07	8.54E-07	1.85E-06	1.01E-07	8.40E-07	1.80E-06	9.80E-08	8.09E-07	1.73E-06
8,281	1.12E-07	9.08E-07	1.93E-06	1.07E-07	8.72E-07	1.90E-06	1.03E-07	8.54E-07	1.85E-06	1.01E-07	8.39E-07	1.79E-06	9.79E-08	8.08E-07	1.73E-06
8,282	1.12E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,286	1.11E-07	9.06E-07	1.93E-06	1.07E-07	8.71E-07	1.89E-06	1.02E-07	8.53E-07	1.85E-06	1.01E-07	8.38E-07	1.79E-06	9.77E-08	8.07E-07	1.73E-06
8,287	1.11E-07	9.06E-07	1.93E-06	1.06E-07	8.71E-07	1.89E-06	1.02E-07	8.53E-07	1.85E-06	1.01E-07	8.38E-07	1.79E-06	9.77E-08	8.07E-07	1.73E-06
8,288	1.11E-07	9.06E-07	1.93E-06	1.06E-07	8.70E-07	1.89E-06	1.02E-07	8.53E-07	1.85E-06	1.01E-07	8.38E-07	1.79E-06	9.77E-08	8.07E-07	1.73E-06
8,289	1.11E-07	9.05E-07	1.93E-06	1.06E-07	8.70E-07	1.89E-06	1.02E-07	8.53E-07	1.85E-06	1.01E-07	8.38E-07	1.79E-06	9.77E-08	8.07E-07	1.73E-06
8,290	1.11E-07	9.05E-07	1.93E-06	1.06E-07	8.69E-07	1.89E-06	1.02E-07	8.52E-07	1.85E-06	1.01E-07	8.37E-07	1.79E-06	9.76E-08	8.06E-07	1.73E-06
8,291	1.11E-07	9.04E-07	1.93E-06	1.06E-07	8.69E-07	1.89E-06	1.02E-07	8.52E-07	1.84E-06	1.01E-07	8.37E-07	1.79E-06	9.75E-08	8.06E-07	1.73E-06
8,292	1.11E-07	9.04E-07	1.92E-06	1.06E-07	8.69E-07	1.89E-06	1.02E-07	8.52E-07	1.84E-06	1.01E-07	8.37E-07	1.79E-06	9.75E-08	8.05E-07	1.73E-06
8,293	1.11E-07	9.04E-07	1.92E-06	1.06E-07	8.68E-07	1.89E-06	1.02E-07	8.51E-07	1.84E-06	1.01E-07	8.36E-07	1.79E-06	9.75E-08	8.05E-07	1.73E-06
8,294	1.11E-07	9.03E-07	1.92E-06	1.06E-07	8.68E-07	1.89E-06	1.02E-07	8.50E-07	1.84E-06	1.01E-07	8.36E-07	1.79E-06	9.74E-08	8.05E-07	1.73E-06
8,295	1.11E-07	9.03E-07	1.92E-06	1.06E-07	8.67E-07	1.89E-06	1.02E-07	8.49E-07	1.84E-06	1.01E-07	8.34E-07	1.79E-06	9.74E-08	8.05E-07	1.73E-06
8,296	1.11E-07	9.03E-07	1.92E-06	1.06E-07	8.67E-07	1.89E-06	1.02E-07	8.48E-07	1.84E-06	1.01E-07	8.34E-07	1.79E-06	9.74E-08	8.04E-07	1.73E-06
8,297	1.11E-07	9.02E-07	1.92E-06	1.06E-07	8.67E-07	1.89E-06	1.02E-07	8.48E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06	9.73E-08	8.03E-07	1.73E-06
8,298	1.11E-07	9.02E-07	1.92E-06	1.06E-07	8.66E-07	1.89E-06	1.02E-07	8.48E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06	9.73E-08	8.03E-07	1.73E-06
8,299	1.11E-07	9.01E-07	1.92E-06	1.06E-07	8.66E-07	1.88E-06	1.02E-07	8.48E-07	1.84E-06	1.01E-07	8.33E-07	1.79E-06	9.73E-08	8.02E-07	1.73E-06
8,300	1.11E-07	9.01E-07	1.92E-06	1.06E-07	8.66E-07	1.88E-06	1.02E-07	8.47E-07	1.83E-06	1.01E-07	8.32E-07	1.79E-06	9.73E-08	8.02E-07	1.72E-06
8,301	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.65E-07	1.88E-06	1.01E-07	8.47E-07	1.83E-06	1.00E-07	8.32E-07	1.79E-06	9.72E-08	8.01E-07	1.72E-06
8,302	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.64E-07	1.88E-06	1.01E-07	8.46E-07	1.83E-06	1.00E-07	8.32E-07	1.79E-06	9.72E-08	8.01E-07	1.72E-06
8,303	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.64E-07	1.88E-06	1.01E-07	8.45E-07	1.83E-06	1.00E-07	8.31E-07	1.78E-06	9.71E-08	8.01E-07	1.72E-06
8,304	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.64E-07	1.88E-06	1.01E-07	8.45E-07	1.83E-06	1.00E-07	8.31E-07	1.78E-06	9.70E-08	8.01E-07	1.72E-06
8,305	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.64E-07	1.88E-06	1.01E-07	8.44E-07	1.83E-06	1.00E-07	8.31E-07	1.78E-06	9.70E-08	8.00E-07	1.72E-06
8,306	1.10E-07	9.00E-07	1.92E-06	1.06E-07	8.63E-07	1.88E-06	1.01E-07	8.44E-07	1.83E-06	1.00E-07	8.31E-07	1.78E-06	9.70E-08	8.00E-07	1.72E-06
8,307	1.10E-07	8.99E-07	1.92E-06	1.05E-07	8.62E-07	1.88E-06	1.01E-07	8.44E-07	1.83E-06	1.00E-07	8.30E-07	1.78E-06	9.69E-08	8.00E-07	1.72E-06
8,308	1.10E-07	8.99E-07	1.92E-06	1.05E-07	8.61E-07	1.88E-06	1.01E-07	8.44E-07	1.83E-06	1.00E-07	8.30E-07	1.78E-06	9.69E-08	8.00E-07	1.72E-06
8,309	1.10E-07	8.98E-07	1.91E-06	1.05E-07	8.61E-07	1.88E-06	1.01E-07	8.43E-07	1.83E-06	1.00E-07	8.30E-07	1.78E-06	9.67E-08	8.00E-07	1.72E-06
8,310	1.10E-07	8.98E-07	1.91E-06	1.05E-07	8.61E-07	1.88E-06	1.01E-07	8.43E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06	9.67E-08	7.99E-07	1.72E-06
8,311	1.10E-07	8.97E-07	1.91E-06	1.05E-07	8.61E-07	1.88E-06	1.01E-07	8.43E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06	9.67E-08	7.99E-07	1.72E-06
8,312	1.10E-07	8.97E-07	1.91E-06	1.05E-07	8.60E-07	1.87E-06	1.01E-07	8.43E-07	1.83E-06	1.00E-07	8.29E-07	1.78E-06	9.67E-08	7.99E-07	1.72E-06
8,313	1.10E-07	8.96E-07	1.91E-06	1.05E-07	8.59E-07	1.87E-06	1.01E-07	8.43E-07	1.83E-06	1.00E-07	8.28E-07	1.78E-06	9.67E-08	7.99E-07	1.72E-06
8,314	1.10E-07	8.94E-07	1.91E-06	1.05E-07	8.59E-07	1.87E-06	1.01E-07	8.42E-07	1.83E-06	9.99E-08	8.28E-07	1.78E-06	9.66E-08	7.98E-07	1.71E-06
8,315	1.10E-07	8.94E-07	1.91E-06	1.05E-07	8.59E-07	1.87E-06	1.01E-07	8.41E-07	1.83E-06	9.99E-08	8.28E-07	1.78E-06	9.66E-08	7.98E-07	1.71E-06
8,316	1.10E-07	8.93E-07	1.91E-06	1.05E-07	8.58E-07	1.87E-06	1.01E-07	8.41E-07	1.82E-06	9.99E-08	8.27E-07	1.77E-06	9.66E-08	7.98E-07	1.71E-06
8,317	1.10E-07	8.92E-07	1.91E-06	1.05E-07	8.58E-07	1.87E-06	1.01E-07	8.41E-07	1.82E-06	9.99E-08	8.27E-07	1.77E-06	9.66E-08	7.97E-07	1.71E-06
8,318	1.09E-07	8.91E-07	1.91E-06	1.05E-07	8.57E-07	1.87E-06	1.01E-07	8.41E-07	1.82E-06	9.98E-08	8.27E-07	1.77E-06	9.65E-08	7.97E-07	1.71E-06
8,319	1.09E-07	8.91E-07	1.91E-06	1.05E-07	8.56E-07	1.87E-06	1.01E-07	8.40E-07	1.82E-06	9.98E-08	8.27E-07	1.77E-06	9.64E-08	7.96E-07	1.71E-06
8,320	1.09E-07	8.90E-07	1.91E-06	1.05E-07	8.56E-07	1.87E-06	1.01E-07	8.40E-07	1.82E-06	9.98E-08	8.26E-07	1.77E-06	9.62E-08	7.96E-07	1.71E-06
8,321	1.09E-07	8.90E-07	1.91E-06	1.05E-07	8.56E-07	1.87E-06	1.01E-07	8.39E-07	1.82E-06	9.97E-08	8.26E-07	1.77E-06	9.61E-08	7.96E-07	1.71E-06
8,322	1.09E-07	8.89E-07	1.91E-06	1.05E-07	8.56E-07	1.87E-06	1.01E-07	8.39E-07	1.82E-06	9.97E-08	8.26E-07	1.77E-06	9.61E-08	7.95E-07	1.71E-06
8,323	1.09E-07	8.89E-07	1.91E-06	1.05E-07	8.55E-07	1.87E-06	1.01E-07	8.39E-07	1.82E-06	9.97E-08	8.26E-07	1.77E-06	9.60E-08	7.95E-07	1.71E-06
8,324	1.09E-07	8.89E-07	1.91E-06	1.05E-07	8.54E-07	1.86E-06	1.00E-07	8.39E-07	1.82E-06	9.96E-08	8.25E-07	1.77E-06	9.60E-08	7.95E-07	1.71E-06
8,325	1.09E-07	8.87E-07	1.90E-06	1.05E-07	8.54E-07	1.86E-06	1.00E-07	8.38E-07	1.82E-06	9.96E-08	8.25E-07	1.77E-06	9.60E-08	7.94E-07	1.71E-06
8,326	1.09E-07	8.86E-07	1.90E-06	1.04E-07	8.54E-07	1.86E-06	1.00E-07	8.38E-07	1.82E-06	9.95E-08	8.24E-07	1.77E-06	9.60E-08	7.94E-07	1.71E-06
8,327	1.09E-07	8.85E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.37E-07	1.81E-06	9.95E-08	8.24E-07	1.77E-06	9.60E-08	7.94E-07	1.71E-06
8,328	1.09E-07	8.85E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.37E-07	1.81E-06	9.95E-08	8.24E-07	1.77E-06	9.59E-08	7.92E-07	1.70E-06
8,329	1.09E-07	8.85E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.37E-07	1.81E-06	9.95E-08	8.23E-07	1.77E-06	9.59E-08	7.92E-07	1.70E-06
8,330	1.09E-07	8.85E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.36E-07	1.81E-06	9.94E-08	8.23E-07	1.77E-06	9.59E-08	7.92E-07	1.70E-06
8,331	1.09E-07	8.85E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.35E-07	1.81E-06	9.94E-08	8.22E-07	1.76E-06	9.58E-08	7.91E-07	1.70E-06
8,332	1.09E-07	8.83E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.34E-07	1.81E-06	9.94E-08	8.22E-07	1.76E-06	9.58E-08	7.90E-07	1.70E-06
8,333	1.09E-07	8.83E-07	1.90E-06	1.04E-07	8.53E-07	1.86E-06	1.00E-07	8.34E-07	1.81E-06	9.93E-08	8.21E-07	1.76E-06	9.58E-08	7.90E-07	1.70E-06
8,334	1.09E-07	8.81E-07	1.90E-06	1.04E-07	8.52E-07	1.86E-06	1.00E-07	8.34E-07	1.81E-06	9.90E-08	8.21E-07	1.76E-06	9.57E-08	7.89E-07	1.70E-06
8,335	1.09E-07	8.80E-07	1.90E-06	1.04E-07	8.51E-07	1.86E-06	1.00E-07	8.34E-07	1.81E-06	9.89E-08	8.21E-07	1.76E-06	9.57E-08	7.89E-07	1.70E-06
8,336	1.09E-07	8.80E-07	1.90E-06	1.04E-07	8.51E-07	1.86E-06	1.00E-07	8.33E-07	1.81E-06	9.89E-08	8.20E-07	1.76E-06	9.56E-08	7.89E-07	1.70E-06
8,337	1.09E-07	8.79E-07	1.90E-06	1.04E-07	8.51E-07	1.86E-06	1.00E-07	8.33E-07	1.81E-06	9.87E-08	8.20E-07	1.76E-06	9.55E-08	7.88E-07	1.70E-06
8,338	1.09E-07	8.79E-07	1.90E-06	1.04E-07	8.51E-07	1.86E-06	1.00E-07	8.32E-07	1.81E-06	9.85E-08	8.20E-07	1.76E-06	9.55E-08	7.88E-07	1.69E-06
8,339	1.08E-07	8.78E-07	1.89E-06	1.04E-07	8.50E-07	1.85E-06	1.00E-07	8.32E-07	1.81E-06	9.85E-08	8.20E-07	1.76E-06	9.55E-08	7.87E-07	1.69E-06
8,340	1.08E-07	8.78E-07	1.89E-06	1.04E-07	8.50E-07	1.85E-06	1.00E-07	8.31E-07	1.81E-06	9.84E-08	8.19E-07	1.76E-06	9.55E-08	7.87E-07	1.69E-06
8,341	1.08E-07	8.78E-07	1.89E-06	1.04E-07	8.48E-07	1.85E-06	1.00E-07	8.31E-07	1.80E-06	9.83E-08	8.19E-07	1.76E-06	9.54E-08	7.86E-07	1.69E-06
8,342	1.08E-07	8.77E-07	1.89E-06	1.04E-07	8.48E-07	1.85E-06	1.00E-07	8.31E-07	1.80E-06	9.83E-08	8.19E-07	1.76E-06	9.54E-08	7.86E-07	1.69E-06
8,343	1.08E-07	8.77E-07	1.89E-06	1.04E-07	8.48E-07	1.85E-06	9.99E-08	8.30E-07	1.80E-06	9.82E-08	8.19E-07	1.76E-06	9.54E-08	7.86E-07	1.69E-06
8,344	1.08E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,348	1.08E-07	8.76E-07	1.89E-06	1.04E-07	8.47E-07	1.85E-06	9.96E-08	8.25E-07	1.80E-06	9.80E-08	8.17E-07	1.75E-06	9.53E-08	7.82E-07	1.69E-06
8,349	1.08E-07	8.76E-07	1.89E-06	1.04E-07	8.46E-07	1.85E-06	9.96E-08	8.25E-07	1.80E-06	9.80E-08	8.17E-07	1.75E-06	9.53E-08	7.82E-07	1.69E-06
8,350	1.08E-07	8.76E-07	1.88E-06	1.04E-07	8.45E-07	1.85E-06	9.95E-08	8.25E-07	1.80E-06	9.79E-08	8.17E-07	1.75E-06	9.52E-08	7.82E-07	1.69E-06
8,351	1.08E-07	8.76E-07	1.88E-06	1.04E-07	8.45E-07	1.85E-06	9.95E-08	8.24E-07	1.80E-06	9.79E-08	8.17E-07	1.75E-06	9.51E-08	7.82E-07	1.69E-06
8,352	1.07E-07	8.75E-07	1.88E-06	1.04E-07	8.45E-07	1.84E-06	9.95E-08	8.23E-07	1.79E-06	9.78E-08	8.17E-07	1.75E-06	9.51E-08	7.81E-07	1.68E-06
8,353	1.07E-07	8.75E-07	1.88E-06	1.04E-07	8.45E-07	1.84E-06	9.95E-08	8.23E-07	1.79E-06	9.78E-08	8.17E-07	1.75E-06	9.51E-08	7.80E-07	1.68E-06
8,354	1.07E-07	8.75E-07	1.88E-06	1.04E-07	8.44E-07	1.84E-06	9.95E-08	8.22E-07	1.79E-06	9.78E-08	8.16E-07	1.75E-06	9.50E-08	7.79E-07	1.68E-06
8,355	1.07E-07	8.74E-07	1.88E-06	1.04E-07	8.43E-07	1.84E-06	9.94E-08	8.21E-07	1.79E-06	9.78E-08	8.16E-07	1.75E-06	9.49E-08	7.78E-07	1.68E-06
8,356	1.07E-07	8.73E-07	1.88E-06	1.04E-07	8.42E-07	1.84E-06	9.93E-08	8.21E-07	1.79E-06	9.78E-08	8.16E-07	1.75E-06	9.49E-08	7.78E-07	1.68E-06
8,357	1.07E-07	8.73E-07	1.88E-06	1.03E-07	8.42E-07	1.84E-06	9.93E-08	8.21E-07	1.79E-06	9.77E-08	8.14E-07	1.75E-06	9.48E-08	7.77E-07	1.68E-06
8,358	1.07E-07	8.73E-07	1.88E-06	1.03E-07	8.42E-07	1.83E-06	9.93E-08	8.21E-07	1.79E-06	9.77E-08	8.14E-07	1.75E-06	9.47E-08	7.77E-07	1.68E-06
8,359	1.07E-07	8.72E-07	1.88E-06	1.03E-07	8.42E-07	1.83E-06	9.92E-08	8.20E-07	1.79E-06	9.77E-08	8.13E-07	1.75E-06	9.47E-08	7.77E-07	1.68E-06
8,360	1.07E-07	8.72E-07	1.88E-06	1.03E-07	8.41E-07	1.83E-06	9.91E-08	8.19E-07	1.79E-06	9.77E-08	8.12E-07	1.75E-06	9.46E-08	7.76E-07	1.68E-06
8,361	1.07E-07	8.72E-07	1.88E-06	1.03E-07	8.40E-07	1.83E-06	9.91E-08	8.19E-07	1.79E-06	9.76E-08	8.12E-07	1.75E-06	9.46E-08	7.76E-07	1.68E-06
8,362	1.07E-07	8.72E-07	1.88E-06	1.03E-07	8.40E-07	1.83E-06	9.89E-08	8.19E-07	1.79E-06	9.76E-08	8.11E-07	1.75E-06	9.46E-08	7.75E-07	1.68E-06
8,363	1.07E-07	8.71E-07	1.88E-06	1.03E-07	8.40E-07	1.83E-06	9.89E-08	8.18E-07	1.79E-06	9.76E-08	8.11E-07	1.75E-06	9.46E-08	7.75E-07	1.68E-06
8,364	1.07E-07	8.70E-07	1.87E-06	1.03E-07	8.40E-07	1.83E-06	9.89E-08	8.18E-07	1.78E-06	9.76E-08	8.11E-07	1.74E-06	9.46E-08	7.75E-07	1.68E-06
8,365	1.07E-07	8.70E-07	1.87E-06	1.03E-07	8.39E-07	1.83E-06	9.88E-08	8.18E-07	1.78E-06	9.76E-08	8.11E-07	1.74E-06	9.44E-08	7.75E-07	1.68E-06
8,366	1.07E-07	8.70E-07	1.87E-06	1.03E-07	8.38E-07	1.83E-06	9.87E-08	8.18E-07	1.78E-06	9.75E-08	8.11E-07	1.74E-06	9.44E-08	7.75E-07	1.68E-06
8,367	1.07E-07	8.69E-07	1.87E-06	1.03E-07	8.38E-07	1.83E-06	9.87E-08	8.18E-07	1.78E-06	9.75E-08	8.10E-07	1.74E-06	9.43E-08	7.75E-07	1.68E-06
8,368	1.07E-07	8.68E-07	1.87E-06	1.03E-07	8.38E-07	1.83E-06	9.86E-08	8.18E-07	1.78E-06	9.74E-08	8.09E-07	1.74E-06	9.43E-08	7.74E-07	1.68E-06
8,369	1.07E-07	8.66E-07	1.87E-06	1.03E-07	8.37E-07	1.83E-06	9.86E-08	8.17E-07	1.78E-06	9.74E-08	8.09E-07	1.74E-06	9.43E-08	7.74E-07	1.67E-06
8,370	1.06E-07	8.66E-07	1.87E-06	1.03E-07	8.37E-07	1.82E-06	9.85E-08	8.17E-07	1.78E-06	9.73E-08	8.09E-07	1.74E-06	9.43E-08	7.73E-07	1.67E-06
8,371	1.06E-07	8.66E-07	1.87E-06	1.03E-07	8.36E-07	1.82E-06	9.85E-08	8.17E-07	1.78E-06	9.73E-08	8.09E-07	1.74E-06	9.42E-08	7.73E-07	1.67E-06
8,372	1.06E-07	8.66E-07	1.87E-06	1.03E-07	8.36E-07	1.82E-06	9.84E-08	8.16E-07	1.78E-06	9.72E-08	8.09E-07	1.74E-06	9.41E-08	7.72E-07	1.67E-06
8,373	1.06E-07	8.65E-07	1.87E-06	1.03E-07	8.36E-07	1.82E-06	9.83E-08	8.15E-07	1.78E-06	9.71E-08	8.08E-07	1.74E-06	9.40E-08	7.72E-07	1.67E-06
8,374	1.06E-07	8.65E-07	1.87E-06	1.03E-07	8.36E-07	1.82E-06	9.83E-08	8.15E-07	1.78E-06	9.71E-08	8.07E-07	1.74E-06	9.40E-08	7.72E-07	1.67E-06
8,375	1.06E-07	8.65E-07	1.87E-06	1.03E-07	8.35E-07	1.82E-06	9.83E-08	8.15E-07	1.77E-06	9.70E-08	8.07E-07	1.74E-06	9.40E-08	7.71E-07	1.67E-06
8,376	1.06E-07	8.65E-07	1.87E-06	1.03E-07	8.34E-07	1.82E-06	9.82E-08	8.14E-07	1.77E-06	9.70E-08	8.07E-07	1.74E-06	9.39E-08	7.70E-07	1.67E-06
8,377	1.06E-07	8.65E-07	1.86E-06	1.03E-07	8.34E-07	1.82E-06	9.82E-08	8.14E-07	1.77E-06	9.70E-08	8.07E-07	1.74E-06	9.39E-08	7.70E-07	1.67E-06
8,378	1.06E-07	8.64E-07	1.86E-06	1.03E-07	8.34E-07	1.82E-06	9.82E-08	8.14E-07	1.77E-06	9.69E-08	8.06E-07	1.74E-06	9.39E-08	7.70E-07	1.67E-06
8,379	1.06E-07	8.64E-07	1.86E-06	1.03E-07	8.33E-07	1.82E-06	9.82E-08	8.14E-07	1.77E-06	9.69E-08	8.06E-07	1.74E-06	9.39E-08	7.70E-07	1.67E-06
8,380	1.06E-07	8.64E-07	1.86E-06	1.03E-07	8.33E-07	1.82E-06	9.81E-08	8.14E-07	1.77E-06	9.68E-08	8.06E-07	1.74E-06	9.39E-08	7.70E-07	1.67E-06
8,381	1.06E-07	8.64E-07	1.86E-06	1.03E-07	8.33E-07	1.81E-06	9.81E-08	8.14E-07	1.77E-06	9.68E-08	8.06E-07	1.73E-06	9.38E-08	7.69E-07	1.66E-06
8,382	1.06E-07	8.64E-07	1.86E-06	1.03E-07	8.33E-07	1.81E-06	9.81E-08	8.14E-07	1.77E-06	9.68E-08	8.05E-07	1.73E-06	9.37E-08	7.69E-07	1.66E-06
8,383	1.06E-07	8.63E-07	1.86E-06	1.03E-07	8.33E-07	1.81E-06	9.81E-08	8.13E-07	1.77E-06	9.67E-08	8.05E-07	1.73E-06	9.37E-08	7.68E-07	1.66E-06
8,384	1.06E-07	8.63E-07	1.86E-06	1.03E-07	8.33E-07	1.81E-06	9.81E-08	8.13E-07	1.77E-06	9.67E-08	8.05E-07	1.73E-06	9.36E-08	7.68E-07	1.66E-06
8,385	1.06E-07	8.62E-07	1.86E-06	1.03E-07	8.32E-07	1.81E-06	9.81E-08	8.13E-07	1.77E-06	9.67E-08	8.05E-07	1.73E-06	9.35E-08	7.68E-07	1.66E-06
8,386	1.06E-07	8.62E-07	1.86E-06	1.03E-07	8.31E-07	1.81E-06	9.80E-08	8.12E-07	1.77E-06	9.66E-08	8.04E-07	1.73E-06	9.35E-08	7.68E-07	1.66E-06
8,387	1.06E-07	8.62E-07	1.86E-06	1.02E-07	8.31E-07	1.81E-06	9.80E-08	8.12E-07	1.76E-06	9.66E-08	8.04E-07	1.73E-06	9.35E-08	7.67E-07	1.66E-06
8,388	1.06E-07	8.62E-07	1.86E-06	1.02E-07	8.30E-07	1.81E-06	9.80E-08	8.12E-07	1.76E-06	9.64E-08	8.04E-07	1.73E-06	9.34E-08	7.67E-07	1.66E-06
8,389	1.06E-07	8.61E-07	1.86E-06	1.02E-07	8.30E-07	1.81E-06	9.78E-08	8.12E-07	1.76E-06	9.62E-08	8.04E-07	1.73E-06	9.33E-08	7.67E-07	1.66E-06
8,390	1.06E-07	8.61E-07	1.86E-06	1.02E-07	8.30E-07	1.81E-06	9.78E-08	8.12E-07	1.76E-06	9.62E-08	8.04E-07	1.73E-06	9.33E-08	7.66E-07	1.66E-06
8,391	1.06E-07	8.60E-07	1.86E-06	1.02E-07	8.29E-07	1.81E-06	9.78E-08	8.12E-07	1.76E-06	9.62E-08	8.03E-07	1.73E-06	9.33E-08	7.66E-07	1.66E-06
8,392	1.06E-07	8.60E-07	1.85E-06	1.02E-07	8.29E-07	1.80E-06	9.77E-08	8.12E-07	1.76E-06	9.62E-08	8.03E-07	1.73E-06	9.32E-08	7.65E-07	1.66E-06
8,393	1.05E-07	8.59E-07	1.85E-06	1.02E-07	8.29E-07	1.80E-06	9.77E-08	8.12E-07	1.76E-06	9.61E-08	8.03E-07	1.73E-06	9.31E-08	7.65E-07	1.66E-06
8,394	1.05E-07	8.59E-07	1.85E-06	1.02E-07	8.29E-07	1.80E-06	9.77E-08	8.11E-07	1.76E-06	9.60E-08	8.02E-07	1.73E-06	9.31E-08	7.65E-07	1.66E-06
8,395	1.05E-07	8.59E-07	1.85E-06	1.02E-07	8.28E-07	1.80E-06	9.77E-08	8.11E-07	1.76E-06	9.60E-08	8.01E-07	1.73E-06	9.31E-08	7.65E-07	1.66E-06
8,396	1.05E-07	8.58E-07	1.85E-06	1.02E-07	8.27E-07	1.80E-06	9.77E-08	8.10E-07	1.75E-06	9.60E-08	8.00E-07	1.73E-06	9.31E-08	7.65E-07	1.65E-06
8,397	1.05E-07	8.58E-07	1.85E-06	1.02E-07	8.27E-07	1.80E-06	9.76E-08	8.10E-07	1.75E-06	9.59E-08	8.00E-07	1.72E-06	9.30E-08	7.64E-07	1.65E-06
8,398	1.05E-07	8.58E-07	1.85E-06	1.02E-07	8.26E-07	1.80E-06	9.76E-08	8.09E-07	1.75E-06	9.59E-08	8.00E-07	1.72E-06	9.30E-08	7.64E-07	1.65E-06
8,399	1.05E-07	8.58E-07	1.85E-06	1.02E-07	8.26E-07	1.80E-06	9.75E-08	8.09E-07	1.75E-06	9.59E-08	7.99E-07	1.72E-06	9.29E-08	7.64E-07	1.65E-06
8,400	1.05E-07	8.56E-07	1.85E-06	1.02E-07	8.25E-07	1.80E-06	9.75E-08	8.07E-07	1.75E-06	9.59E-08	7.99E-07	1.72E-06	9.29E-08	7.63E-07	1.65E-06
8,401	1.05E-07	8.56E-07	1.85E-06	1.02E-07	8.25E-07	1.80E-06	9.75E-08	8.06E-07	1.75E-06	9.57E-08	7.99E-07	1.72E-06	9.27E-08	7.63E-07	1.65E-06
8,402	1.05E-07	8.55E-07	1.85E-06	1.02E-07	8.25E-07	1.80E-06	9.75E-08	8.05E-07	1.75E-06	9.57E-08	7.99E-07	1.72E-06	9.27E-08	7.62E-07	1.65E-06
8,403	1.05E-07	8.54E-07	1.84E-06	1.02E-07	8.25E-07	1.80E-06	9.74E-08	8.04E-07	1.75E-06	9.57E-08	7.98E-07	1.72E-06	9.26E-08	7.61E-07	1.65E-06
8,404	1.05E-07	8.54E-07	1.84E-06	1.02E-07	8.24E-07	1.80E-06	9.73E-08	8.04E-07	1.75E-06	9.57E-08	7.98E-07	1.72E-06	9.26E-08	7.60E-07	1.65E-06
8,405	1.04E-07	8.53E-07	1.84E-06	1.02E-07	8.24E-07	1.80E-06	9.72E-08	8.04E-07	1.75E-06	9.56E-08	7.98E-07	1.72E-06	9.25E-08	7.60E-07	1.6

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,410	1.04E-07	8.51E-07	1.84E-06	1.01E-07	8.22E-07	1.79E-06	9.71E-08	8.02E-07	1.74E-06	9.55E-08	7.96E-07	1.72E-06	9.24E-08	7.59E-07	1.65E-06
8,411	1.04E-07	8.50E-07	1.84E-06	1.01E-07	8.21E-07	1.79E-06	9.71E-08	8.01E-07	1.74E-06	9.55E-08	7.95E-07	1.72E-06	9.24E-08	7.58E-07	1.65E-06
8,412	1.04E-07	8.50E-07	1.84E-06	1.01E-07	8.21E-07	1.79E-06	9.70E-08	8.01E-07	1.74E-06	9.55E-08	7.95E-07	1.72E-06	9.22E-08	7.58E-07	1.65E-06
8,413	1.04E-07	8.49E-07	1.84E-06	1.01E-07	8.21E-07	1.79E-06	9.70E-08	8.01E-07	1.74E-06	9.54E-08	7.95E-07	1.72E-06	9.22E-08	7.58E-07	1.64E-06
8,414	1.04E-07	8.49E-07	1.84E-06	1.01E-07	8.20E-07	1.79E-06	9.69E-08	8.00E-07	1.74E-06	9.54E-08	7.94E-07	1.72E-06	9.21E-08	7.58E-07	1.64E-06
8,415	1.04E-07	8.49E-07	1.84E-06	1.01E-07	8.20E-07	1.79E-06	9.69E-08	8.00E-07	1.74E-06	9.54E-08	7.93E-07	1.72E-06	9.21E-08	7.58E-07	1.64E-06
8,416	1.04E-07	8.48E-07	1.84E-06	1.01E-07	8.20E-07	1.79E-06	9.69E-08	8.00E-07	1.74E-06	9.53E-08	7.93E-07	1.72E-06	9.21E-08	7.58E-07	1.64E-06
8,417	1.04E-07	8.48E-07	1.84E-06	1.01E-07	8.19E-07	1.79E-06	9.68E-08	8.00E-07	1.74E-06	9.53E-08	7.93E-07	1.72E-06	9.21E-08	7.57E-07	1.64E-06
8,418	1.04E-07	8.47E-07	1.84E-06	1.01E-07	8.19E-07	1.79E-06	9.67E-08	7.99E-07	1.74E-06	9.52E-08	7.92E-07	1.72E-06	9.20E-08	7.57E-07	1.64E-06
8,419	1.04E-07	8.47E-07	1.84E-06	1.01E-07	8.18E-07	1.79E-06	9.66E-08	7.98E-07	1.73E-06	9.52E-08	7.92E-07	1.72E-06	9.19E-08	7.57E-07	1.64E-06
8,420	1.04E-07	8.47E-07	1.84E-06	1.01E-07	8.18E-07	1.79E-06	9.66E-08	7.98E-07	1.73E-06	9.52E-08	7.92E-07	1.72E-06	9.18E-08	7.57E-07	1.64E-06
8,421	1.04E-07	8.47E-07	1.84E-06	1.01E-07	8.18E-07	1.79E-06	9.65E-08	7.98E-07	1.73E-06	9.52E-08	7.92E-07	1.71E-06	9.18E-08	7.56E-07	1.64E-06
8,422	1.04E-07	8.47E-07	1.84E-06	1.01E-07	8.17E-07	1.79E-06	9.64E-08	7.98E-07	1.73E-06	9.52E-08	7.91E-07	1.71E-06	9.18E-08	7.56E-07	1.64E-06
8,423	1.04E-07	8.46E-07	1.84E-06	1.01E-07	8.17E-07	1.78E-06	9.64E-08	7.97E-07	1.73E-06	9.51E-08	7.91E-07	1.71E-06	9.17E-08	7.56E-07	1.64E-06
8,424	1.04E-07	8.46E-07	1.84E-06	1.01E-07	8.17E-07	1.78E-06	9.64E-08	7.97E-07	1.73E-06	9.50E-08	7.91E-07	1.71E-06	9.16E-08	7.56E-07	1.64E-06
8,425	1.04E-07	8.44E-07	1.84E-06	1.01E-07	8.17E-07	1.78E-06	9.64E-08	7.97E-07	1.73E-06	9.50E-08	7.90E-07	1.71E-06	9.16E-08	7.55E-07	1.64E-06
8,426	1.04E-07	8.43E-07	1.83E-06	1.01E-07	8.16E-07	1.78E-06	9.63E-08	7.96E-07	1.72E-06	9.49E-08	7.90E-07	1.71E-06	9.15E-08	7.54E-07	1.64E-06
8,427	1.04E-07	8.42E-07	1.83E-06	1.01E-07	8.16E-07	1.78E-06	9.63E-08	7.96E-07	1.72E-06	9.49E-08	7.89E-07	1.71E-06	9.14E-08	7.54E-07	1.64E-06
8,428	1.04E-07	8.41E-07	1.83E-06	1.01E-07	8.16E-07	1.78E-06	9.63E-08	7.96E-07	1.72E-06	9.49E-08	7.89E-07	1.71E-06	9.14E-08	7.54E-07	1.64E-06
8,429	1.04E-07	8.41E-07	1.83E-06	1.01E-07	8.15E-07	1.78E-06	9.63E-08	7.96E-07	1.72E-06	9.48E-08	7.89E-07	1.71E-06	9.14E-08	7.53E-07	1.64E-06
8,430	1.04E-07	8.40E-07	1.83E-06	1.01E-07	8.15E-07	1.78E-06	9.62E-08	7.95E-07	1.72E-06	9.47E-08	7.89E-07	1.71E-06	9.13E-08	7.53E-07	1.64E-06
8,431	1.04E-07	8.40E-07	1.83E-06	1.01E-07	8.14E-07	1.78E-06	9.62E-08	7.95E-07	1.72E-06	9.47E-08	7.88E-07	1.71E-06	9.13E-08	7.53E-07	1.63E-06
8,432	1.03E-07	8.40E-07	1.83E-06	1.01E-07	8.14E-07	1.78E-06	9.61E-08	7.95E-07	1.72E-06	9.47E-08	7.88E-07	1.70E-06	9.12E-08	7.53E-07	1.63E-06
8,433	1.03E-07	8.40E-07	1.83E-06	1.01E-07	8.13E-07	1.78E-06	9.61E-08	7.95E-07	1.72E-06	9.47E-08	7.87E-07	1.70E-06	9.12E-08	7.53E-07	1.63E-06
8,434	1.03E-07	8.40E-07	1.83E-06	1.01E-07	8.13E-07	1.78E-06	9.61E-08	7.94E-07	1.72E-06	9.47E-08	7.87E-07	1.70E-06	9.12E-08	7.52E-07	1.63E-06
8,435	1.03E-07	8.39E-07	1.83E-06	1.00E-07	8.12E-07	1.77E-06	9.61E-08	7.94E-07	1.72E-06	9.46E-08	7.87E-07	1.70E-06	9.12E-08	7.52E-07	1.63E-06
8,436	1.03E-07	8.39E-07	1.83E-06	1.00E-07	8.12E-07	1.77E-06	9.60E-08	7.94E-07	1.72E-06	9.46E-08	7.87E-07	1.70E-06	9.11E-08	7.50E-07	1.63E-06
8,437	1.03E-07	8.38E-07	1.83E-06	1.00E-07	8.12E-07	1.77E-06	9.60E-08	7.94E-07	1.72E-06	9.46E-08	7.86E-07	1.70E-06	9.11E-08	7.50E-07	1.63E-06
8,438	1.03E-07	8.38E-07	1.83E-06	1.00E-07	8.12E-07	1.77E-06	9.59E-08	7.93E-07	1.72E-06	9.46E-08	7.86E-07	1.70E-06	9.11E-08	7.50E-07	1.63E-06
8,439	1.03E-07	8.38E-07	1.83E-06	1.00E-07	8.11E-07	1.77E-06	9.59E-08	7.93E-07	1.72E-06	9.46E-08	7.85E-07	1.70E-06	9.11E-08	7.49E-07	1.63E-06
8,440	1.03E-07	8.38E-07	1.83E-06	1.00E-07	8.11E-07	1.77E-06	9.58E-08	7.93E-07	1.72E-06	9.45E-08	7.84E-07	1.70E-06	9.11E-08	7.49E-07	1.62E-06
8,441	1.03E-07	8.38E-07	1.83E-06	1.00E-07	8.11E-07	1.76E-06	9.56E-08	7.92E-07	1.72E-06	9.44E-08	7.84E-07	1.70E-06	9.11E-08	7.48E-07	1.62E-06
8,442	1.03E-07	8.38E-07	1.82E-06	1.00E-07	8.11E-07	1.76E-06	9.56E-08	7.92E-07	1.72E-06	9.44E-08	7.83E-07	1.70E-06	9.10E-08	7.47E-07	1.62E-06
8,443	1.03E-07	8.37E-07	1.82E-06	1.00E-07	8.11E-07	1.76E-06	9.52E-08	7.92E-07	1.72E-06	9.43E-08	7.83E-07	1.70E-06	9.10E-08	7.47E-07	1.62E-06
8,444	1.03E-07	8.37E-07	1.82E-06	1.00E-07	8.10E-07	1.76E-06	9.52E-08	7.92E-07	1.72E-06	9.43E-08	7.83E-07	1.70E-06	9.10E-08	7.47E-07	1.62E-06
8,445	1.03E-07	8.36E-07	1.82E-06	9.99E-08	8.10E-07	1.76E-06	9.52E-08	7.92E-07	1.71E-06	9.43E-08	7.83E-07	1.70E-06	9.09E-08	7.47E-07	1.62E-06
8,446	1.03E-07	8.35E-07	1.82E-06	9.99E-08	8.09E-07	1.76E-06	9.52E-08	7.92E-07	1.71E-06	9.42E-08	7.83E-07	1.70E-06	9.07E-08	7.47E-07	1.62E-06
8,447	1.03E-07	8.35E-07	1.82E-06	9.99E-08	8.08E-07	1.76E-06	9.51E-08	7.90E-07	1.71E-06	9.42E-08	7.82E-07	1.70E-06	9.06E-08	7.46E-07	1.62E-06
8,448	1.03E-07	8.35E-07	1.82E-06	9.99E-08	8.08E-07	1.76E-06	9.51E-08	7.89E-07	1.71E-06	9.42E-08	7.82E-07	1.70E-06	9.06E-08	7.46E-07	1.62E-06
8,449	1.03E-07	8.34E-07	1.82E-06	9.98E-08	8.08E-07	1.76E-06	9.50E-08	7.89E-07	1.71E-06	9.41E-08	7.82E-07	1.70E-06	9.05E-08	7.45E-07	1.62E-06
8,450	1.03E-07	8.33E-07	1.82E-06	9.98E-08	8.08E-07	1.76E-06	9.49E-08	7.88E-07	1.71E-06	9.40E-08	7.81E-07	1.69E-06	9.05E-08	7.45E-07	1.62E-06
8,451	1.03E-07	8.33E-07	1.82E-06	9.98E-08	8.07E-07	1.76E-06	9.48E-08	7.88E-07	1.71E-06	9.39E-08	7.80E-07	1.69E-06	9.05E-08	7.44E-07	1.62E-06
8,452	1.03E-07	8.33E-07	1.82E-06	9.97E-08	8.07E-07	1.76E-06	9.48E-08	7.88E-07	1.71E-06	9.39E-08	7.80E-07	1.69E-06	9.04E-08	7.44E-07	1.62E-06
8,453	1.02E-07	8.32E-07	1.82E-06	9.97E-08	8.06E-07	1.76E-06	9.47E-08	7.88E-07	1.71E-06	9.38E-08	7.80E-07	1.69E-06	9.04E-08	7.44E-07	1.62E-06
8,454	1.02E-07	8.32E-07	1.82E-06	9.97E-08	8.05E-07	1.76E-06	9.47E-08	7.87E-07	1.71E-06	9.38E-08	7.80E-07	1.69E-06	9.03E-08	7.44E-07	1.62E-06
8,455	1.02E-07	8.31E-07	1.81E-06	9.96E-08	8.05E-07	1.76E-06	9.47E-08	7.87E-07	1.70E-06	9.37E-08	7.79E-07	1.69E-06	9.03E-08	7.43E-07	1.62E-06
8,456	1.02E-07	8.30E-07	1.81E-06	9.96E-08	8.05E-07	1.75E-06	9.46E-08	7.86E-07	1.70E-06	9.37E-08	7.79E-07	1.69E-06	9.02E-08	7.43E-07	1.62E-06
8,457	1.02E-07	8.30E-07	1.81E-06	9.96E-08	8.04E-07	1.75E-06	9.46E-08	7.86E-07	1.70E-06	9.37E-08	7.78E-07	1.69E-06	9.02E-08	7.43E-07	1.61E-06
8,458	1.02E-07	8.29E-07	1.81E-06	9.95E-08	8.04E-07	1.75E-06	9.46E-08	7.85E-07	1.70E-06	9.37E-08	7.78E-07	1.69E-06	9.01E-08	7.43E-07	1.61E-06
8,459	1.02E-07	8.29E-07	1.81E-06	9.95E-08	8.04E-07	1.75E-06	9.46E-08	7.84E-07	1.70E-06	9.36E-08	7.77E-07	1.69E-06	9.00E-08	7.42E-07	1.61E-06
8,460	1.02E-07	8.29E-07	1.81E-06	9.95E-08	8.04E-07	1.75E-06	9.46E-08	7.84E-07	1.70E-06	9.36E-08	7.77E-07	1.69E-06	9.00E-08	7.41E-07	1.61E-06
8,461	1.02E-07	8.28E-07	1.81E-06	9.95E-08	8.03E-07	1.75E-06	9.46E-08	7.84E-07	1.70E-06	9.36E-08	7.76E-07	1.69E-06	8.99E-08	7.41E-07	1.61E-06
8,462	1.02E-07	8.28E-07	1.81E-06	9.94E-08	8.03E-07	1.75E-06	9.45E-08	7.83E-07	1.70E-06	9.36E-08	7.75E-07	1.69E-06	8.99E-08	7.41E-07	1.61E-06
8,463	1.02E-07	8.28E-07	1.81E-06	9.94E-08	8.02E-07	1.75E-06	9.45E-08	7.82E-07	1.70E-06	9.35E-08	7.75E-07	1.69E-06	8.99E-08	7.41E-07	1.61E-06
8,464	1.02E-07	8.27E-07	1.80E-06	9.92E-08	8.02E-07	1.75E-06	9.44E-08	7.81E-07	1.70E-06	9.34E-08	7.74E-07	1.69E-06	8.98E-08	7.40E-07	1.61E-06
8,465	1.02E-07	8.25E-07	1.80E-06	9.91E-08	8.02E-07	1.75E-06	9.44E-08	7.81E-07	1.70E-06	9.34E-08	7.74E-07	1.68E-06	8.97E-08	7.40E-07	1.61E-06
8,466	1.02E-07	8.25E-07	1.80E-06	9.91E-08	8.02E-07	1.75E-06	9.44E-08	7.81E-07	1.70E-06	9.34E-08	7.74E-07	1.68E-06	8.97E-08	7.40E-07	1.61E-06
8,467	1.02E-07	8.24E-07	1.80E-06	9.90E-08	8.01E-07	1.75E-06	9.44E-08	7.80E-07	1.70E-06	9.34E-08	7.74E-07	1.68E-06	8.96E-08	7.40E-07	1.61E-06
8,468	1.02E-07														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,472	1.02E-07	8.23E-07	1.80E-06	9.89E-08	8.00E-07	1.74E-06	9.42E-08	7.78E-07	1.69E-06	9.32E-08	7.72E-07	1.68E-06	8.93E-08	7.39E-07	1.61E-06
8,473	1.02E-07	8.23E-07	1.80E-06	9.89E-08	7.99E-07	1.74E-06	9.42E-08	7.78E-07	1.69E-06	9.32E-08	7.71E-07	1.68E-06	8.93E-08	7.38E-07	1.61E-06
8,474	1.02E-07	8.23E-07	1.80E-06	9.88E-08	7.99E-07	1.74E-06	9.42E-08	7.78E-07	1.69E-06	9.32E-08	7.68E-07	1.68E-06	8.93E-08	7.38E-07	1.61E-06
8,475	1.01E-07	8.22E-07	1.80E-06	9.87E-08	7.99E-07	1.74E-06	9.42E-08	7.78E-07	1.69E-06	9.32E-08	7.68E-07	1.67E-06	8.93E-08	7.38E-07	1.61E-06
8,476	1.01E-07	8.22E-07	1.79E-06	9.87E-08	7.98E-07	1.74E-06	9.40E-08	7.77E-07	1.69E-06	9.31E-08	7.68E-07	1.67E-06	8.92E-08	7.38E-07	1.61E-06
8,477	1.01E-07	8.22E-07	1.79E-06	9.86E-08	7.97E-07	1.74E-06	9.40E-08	7.77E-07	1.69E-06	9.30E-08	7.67E-07	1.67E-06	8.92E-08	7.37E-07	1.61E-06
8,478	1.01E-07	8.21E-07	1.79E-06	9.86E-08	7.97E-07	1.74E-06	9.40E-08	7.76E-07	1.69E-06	9.29E-08	7.67E-07	1.67E-06	8.92E-08	7.36E-07	1.61E-06
8,479	1.01E-07	8.21E-07	1.79E-06	9.86E-08	7.96E-07	1.74E-06	9.40E-08	7.76E-07	1.69E-06	9.28E-08	7.66E-07	1.67E-06	8.91E-08	7.36E-07	1.61E-06
8,480	1.01E-07	8.20E-07	1.79E-06	9.84E-08	7.96E-07	1.74E-06	9.40E-08	7.75E-07	1.69E-06	9.27E-08	7.66E-07	1.67E-06	8.91E-08	7.36E-07	1.61E-06
8,481	1.01E-07	8.20E-07	1.79E-06	9.83E-08	7.96E-07	1.74E-06	9.39E-08	7.75E-07	1.69E-06	9.26E-08	7.66E-07	1.67E-06	8.90E-08	7.36E-07	1.60E-06
8,482	1.01E-07	8.20E-07	1.79E-06	9.83E-08	7.95E-07	1.73E-06	9.39E-08	7.74E-07	1.69E-06	9.26E-08	7.64E-07	1.67E-06	8.89E-08	7.36E-07	1.60E-06
8,483	1.01E-07	8.19E-07	1.79E-06	9.83E-08	7.95E-07	1.73E-06	9.39E-08	7.74E-07	1.68E-06	9.26E-08	7.64E-07	1.67E-06	8.88E-08	7.35E-07	1.60E-06
8,484	1.01E-07	8.19E-07	1.79E-06	9.83E-08	7.95E-07	1.73E-06	9.38E-08	7.74E-07	1.68E-06	9.26E-08	7.64E-07	1.67E-06	8.87E-08	7.35E-07	1.60E-06
8,485	1.01E-07	8.19E-07	1.79E-06	9.80E-08	7.95E-07	1.73E-06	9.38E-08	7.74E-07	1.68E-06	9.26E-08	7.63E-07	1.67E-06	8.87E-08	7.35E-07	1.60E-06
8,486	1.01E-07	8.19E-07	1.79E-06	9.79E-08	7.95E-07	1.73E-06	9.37E-08	7.73E-07	1.68E-06	9.26E-08	7.63E-07	1.67E-06	8.87E-08	7.35E-07	1.60E-06
8,487	1.01E-07	8.19E-07	1.79E-06	9.79E-08	7.94E-07	1.73E-06	9.35E-08	7.73E-07	1.68E-06	9.25E-08	7.62E-07	1.67E-06	8.86E-08	7.34E-07	1.60E-06
8,488	1.01E-07	8.18E-07	1.79E-06	9.79E-08	7.94E-07	1.73E-06	9.35E-08	7.72E-07	1.68E-06	9.25E-08	7.61E-07	1.67E-06	8.85E-08	7.34E-07	1.60E-06
8,489	1.00E-07	8.18E-07	1.79E-06	9.77E-08	7.94E-07	1.73E-06	9.34E-08	7.72E-07	1.68E-06	9.25E-08	7.61E-07	1.67E-06	8.85E-08	7.34E-07	1.60E-06
8,490	1.00E-07	8.18E-07	1.79E-06	9.77E-08	7.94E-07	1.73E-06	9.34E-08	7.71E-07	1.67E-06	9.24E-08	7.60E-07	1.67E-06	8.84E-08	7.34E-07	1.60E-06
8,491	1.00E-07	8.16E-07	1.79E-06	9.77E-08	7.93E-07	1.73E-06	9.34E-08	7.70E-07	1.67E-06	9.24E-08	7.60E-07	1.67E-06	8.84E-08	7.34E-07	1.60E-06
8,492	1.00E-07	8.15E-07	1.78E-06	9.77E-08	7.93E-07	1.72E-06	9.33E-08	7.70E-07	1.67E-06	9.24E-08	7.60E-07	1.66E-06	8.84E-08	7.33E-07	1.60E-06
8,493	1.00E-07	8.15E-07	1.78E-06	9.77E-08	7.92E-07	1.72E-06	9.32E-08	7.69E-07	1.67E-06	9.24E-08	7.59E-07	1.66E-06	8.83E-08	7.33E-07	1.60E-06
8,494	1.00E-07	8.15E-07	1.78E-06	9.75E-08	7.92E-07	1.72E-06	9.32E-08	7.69E-07	1.67E-06	9.24E-08	7.58E-07	1.66E-06	8.81E-08	7.32E-07	1.60E-06
8,495	1.00E-07	8.14E-07	1.78E-06	9.75E-08	7.91E-07	1.72E-06	9.31E-08	7.69E-07	1.67E-06	9.23E-08	7.58E-07	1.66E-06	8.80E-08	7.31E-07	1.60E-06
8,496	1.00E-07	8.13E-07	1.78E-06	9.72E-08	7.91E-07	1.72E-06	9.31E-08	7.69E-07	1.67E-06	9.23E-08	7.58E-07	1.66E-06	8.79E-08	7.31E-07	1.60E-06
8,497	1.00E-07	8.13E-07	1.78E-06	9.71E-08	7.91E-07	1.72E-06	9.31E-08	7.69E-07	1.67E-06	9.23E-08	7.57E-07	1.66E-06	8.79E-08	7.30E-07	1.60E-06
8,498	1.00E-07	8.11E-07	1.78E-06	9.71E-08	7.91E-07	1.71E-06	9.31E-08	7.68E-07	1.67E-06	9.22E-08	7.57E-07	1.66E-06	8.79E-08	7.30E-07	1.59E-06
8,499	1.00E-07	8.10E-07	1.78E-06	9.71E-08	7.90E-07	1.71E-06	9.30E-08	7.68E-07	1.67E-06	9.22E-08	7.57E-07	1.66E-06	8.78E-08	7.29E-07	1.59E-06
8,500	9.99E-08	8.10E-07	1.78E-06	9.70E-08	7.89E-07	1.71E-06	9.30E-08	7.68E-07	1.67E-06	9.21E-08	7.57E-07	1.66E-06	8.78E-08	7.29E-07	1.59E-06
8,501	9.98E-08	8.10E-07	1.78E-06	9.70E-08	7.89E-07	1.71E-06	9.29E-08	7.67E-07	1.67E-06	9.21E-08	7.56E-07	1.66E-06	8.78E-08	7.29E-07	1.59E-06
8,502	9.98E-08	8.10E-07	1.78E-06	9.70E-08	7.89E-07	1.71E-06	9.29E-08	7.67E-07	1.67E-06	9.21E-08	7.56E-07	1.66E-06	8.77E-08	7.28E-07	1.59E-06
8,503	9.97E-08	8.09E-07	1.78E-06	9.69E-08	7.89E-07	1.71E-06	9.29E-08	7.67E-07	1.67E-06	9.20E-08	7.56E-07	1.66E-06	8.76E-08	7.28E-07	1.59E-06
8,504	9.97E-08	8.09E-07	1.78E-06	9.69E-08	7.87E-07	1.71E-06	9.28E-08	7.67E-07	1.67E-06	9.19E-08	7.56E-07	1.66E-06	8.76E-08	7.28E-07	1.59E-06
8,505	9.96E-08	8.08E-07	1.78E-06	9.68E-08	7.87E-07	1.71E-06	9.28E-08	7.67E-07	1.67E-06	9.18E-08	7.55E-07	1.66E-06	8.75E-08	7.27E-07	1.59E-06
8,506	9.95E-08	8.08E-07	1.78E-06	9.68E-08	7.87E-07	1.71E-06	9.28E-08	7.65E-07	1.67E-06	9.17E-08	7.55E-07	1.66E-06	8.75E-08	7.26E-07	1.59E-06
8,507	9.95E-08	8.08E-07	1.77E-06	9.67E-08	7.87E-07	1.71E-06	9.27E-08	7.65E-07	1.66E-06	9.17E-08	7.54E-07	1.66E-06	8.75E-08	7.26E-07	1.58E-06
8,508	9.93E-08	8.08E-07	1.77E-06	9.67E-08	7.86E-07	1.71E-06	9.27E-08	7.64E-07	1.66E-06	9.17E-08	7.54E-07	1.65E-06	8.74E-08	7.26E-07	1.58E-06
8,509	9.93E-08	8.08E-07	1.77E-06	9.65E-08	7.86E-07	1.71E-06	9.26E-08	7.64E-07	1.66E-06	9.17E-08	7.54E-07	1.65E-06	8.74E-08	7.26E-07	1.58E-06
8,510	9.93E-08	8.08E-07	1.77E-06	9.65E-08	7.85E-07	1.71E-06	9.26E-08	7.64E-07	1.66E-06	9.16E-08	7.53E-07	1.65E-06	8.72E-08	7.25E-07	1.58E-06
8,511	9.92E-08	8.07E-07	1.77E-06	9.65E-08	7.85E-07	1.71E-06	9.26E-08	7.63E-07	1.66E-06	9.16E-08	7.53E-07	1.65E-06	8.72E-08	7.25E-07	1.58E-06
8,512	9.92E-08	8.07E-07	1.77E-06	9.65E-08	7.85E-07	1.71E-06	9.26E-08	7.63E-07	1.66E-06	9.16E-08	7.52E-07	1.65E-06	8.72E-08	7.25E-07	1.58E-06
8,513	9.91E-08	8.06E-07	1.77E-06	9.64E-08	7.85E-07	1.71E-06	9.25E-08	7.63E-07	1.66E-06	9.15E-08	7.52E-07	1.65E-06	8.72E-08	7.25E-07	1.58E-06
8,514	9.91E-08	8.05E-07	1.77E-06	9.64E-08	7.85E-07	1.71E-06	9.25E-08	7.63E-07	1.66E-06	9.15E-08	7.52E-07	1.65E-06	8.71E-08	7.24E-07	1.58E-06
8,515	9.91E-08	8.05E-07	1.77E-06	9.63E-08	7.84E-07	1.70E-06	9.25E-08	7.63E-07	1.66E-06	9.15E-08	7.52E-07	1.65E-06	8.71E-08	7.24E-07	1.58E-06
8,516	9.91E-08	8.05E-07	1.77E-06	9.63E-08	7.83E-07	1.70E-06	9.25E-08	7.61E-07	1.65E-06	9.15E-08	7.51E-07	1.65E-06	8.71E-08	7.24E-07	1.58E-06
8,517	9.90E-08	8.04E-07	1.77E-06	9.63E-08	7.83E-07	1.70E-06	9.24E-08	7.61E-07	1.65E-06	9.14E-08	7.51E-07	1.65E-06	8.70E-08	7.24E-07	1.58E-06
8,518	9.90E-08	8.04E-07	1.77E-06	9.62E-08	7.82E-07	1.70E-06	9.24E-08	7.61E-07	1.65E-06	9.13E-08	7.50E-07	1.65E-06	8.70E-08	7.23E-07	1.58E-06
8,519	9.89E-08	8.04E-07	1.77E-06	9.62E-08	7.82E-07	1.70E-06	9.23E-08	7.61E-07	1.65E-06	9.12E-08	7.49E-07	1.65E-06	8.69E-08	7.23E-07	1.58E-06
8,520	9.89E-08	8.03E-07	1.76E-06	9.62E-08	7.82E-07	1.70E-06	9.23E-08	7.60E-07	1.65E-06	9.11E-08	7.48E-07	1.65E-06	8.69E-08	7.23E-07	1.58E-06
8,521	9.88E-08	8.03E-07	1.76E-06	9.61E-08	7.81E-07	1.70E-06	9.22E-08	7.60E-07	1.65E-06	9.11E-08	7.48E-07	1.65E-06	8.69E-08	7.23E-07	1.58E-06
8,522	9.86E-08	8.03E-07	1.76E-06	9.61E-08	7.81E-07	1.70E-06	9.22E-08	7.60E-07	1.65E-06	9.10E-08	7.47E-07	1.65E-06	8.68E-08	7.21E-07	1.58E-06
8,523	9.85E-08	8.02E-07	1.76E-06	9.61E-08	7.80E-07	1.70E-06	9.21E-08	7.60E-07	1.65E-06	9.09E-08	7.47E-07	1.65E-06	8.68E-08	7.20E-07	1.57E-06
8,524	9.84E-08	8.02E-07	1.76E-06	9.60E-08	7.80E-07	1.70E-06	9.21E-08	7.59E-07	1.65E-06	9.09E-08	7.47E-07	1.65E-06	8.68E-08	7.19E-07	1.57E-06
8,525	9.84E-08	8.02E-07	1.76E-06	9.60E-08	7.80E-07	1.69E-06	9.21E-08	7.59E-07	1.65E-06	9.08E-08	7.47E-07	1.65E-06	8.68E-08	7.19E-07	1.57E-06
8,526	9.83E-08	8.01E-07	1.76E-06	9.59E-08	7.78E-07	1.69E-06	9.20E-08	7.59E-07	1.65E-06	9.08E-08	7.47E-07	1.65E-06	8.67E-08	7.18E-07	1.57E-06
8,527	9.83E-08	8.01E-07	1.76E-06	9.59E-08	7.78E-07	1.69E-06	9.20E-08	7.58E-07	1.65E-06	9.08E-08	7.46E-07	1.64E-06	8.67E-08	7.18E-07	1.57E-06
8,528	9.83E-08	8.00E-07	1.76E-06	9.59E-08	7.78E-07	1.69E-06	9.20E-08	7.58E-07	1.65E-06	9.08E-08	7.46E-07	1.64E-06	8.67E-08	7.18E-07	1.57E-06
8,529	9.83E-08	8.00E-07	1.76E-06	9.59E-08	7.78E-07	1.69E-06	9.20E-08	7.58E-07	1.65E-06	9.07E-08	7.45E-07	1.64E-06	8.67E-08	7.18E-07	1.57E-06
8,530	9.82E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,534	9.79E-08	7.97E-07	1.75E-06	9.56E-08	7.76E-07	1.69E-06	9.18E-08	7.56E-07	1.64E-06	9.06E-08	7.44E-07	1.64E-06	8.66E-08	7.15E-07	1.57E-06
8,535	9.77E-08	7.97E-07	1.75E-06	9.55E-08	7.76E-07	1.69E-06	9.18E-08	7.56E-07	1.64E-06	9.05E-08	7.44E-07	1.64E-06	8.65E-08	7.14E-07	1.57E-06
8,536	9.77E-08	7.97E-07	1.75E-06	9.55E-08	7.75E-07	1.69E-06	9.17E-08	7.55E-07	1.64E-06	9.04E-08	7.44E-07	1.64E-06	8.64E-08	7.14E-07	1.57E-06
8,537	9.77E-08	7.96E-07	1.75E-06	9.54E-08	7.74E-07	1.69E-06	9.16E-08	7.55E-07	1.64E-06	9.04E-08	7.43E-07	1.64E-06	8.64E-08	7.13E-07	1.57E-06
8,538	9.77E-08	7.96E-07	1.75E-06	9.53E-08	7.74E-07	1.69E-06	9.16E-08	7.55E-07	1.64E-06	9.03E-08	7.43E-07	1.64E-06	8.63E-08	7.13E-07	1.56E-06
8,539	9.76E-08	7.95E-07	1.75E-06	9.53E-08	7.74E-07	1.69E-06	9.16E-08	7.54E-07	1.64E-06	9.03E-08	7.43E-07	1.64E-06	8.62E-08	7.12E-07	1.56E-06
8,540	9.75E-08	7.95E-07	1.75E-06	9.53E-08	7.74E-07	1.69E-06	9.15E-08	7.54E-07	1.64E-06	9.03E-08	7.43E-07	1.63E-06	8.62E-08	7.12E-07	1.56E-06
8,541	9.74E-08	7.94E-07	1.75E-06	9.52E-08	7.72E-07	1.69E-06	9.15E-08	7.53E-07	1.64E-06	9.03E-08	7.42E-07	1.63E-06	8.61E-08	7.11E-07	1.56E-06
8,542	9.74E-08	7.94E-07	1.75E-06	9.52E-08	7.72E-07	1.69E-06	9.15E-08	7.53E-07	1.64E-06	9.03E-08	7.42E-07	1.63E-06	8.60E-08	7.11E-07	1.56E-06
8,543	9.73E-08	7.93E-07	1.75E-06	9.52E-08	7.71E-07	1.68E-06	9.15E-08	7.52E-07	1.64E-06	9.02E-08	7.42E-07	1.63E-06	8.60E-08	7.10E-07	1.56E-06
8,544	9.73E-08	7.93E-07	1.75E-06	9.52E-08	7.71E-07	1.68E-06	9.14E-08	7.52E-07	1.64E-06	9.02E-08	7.42E-07	1.63E-06	8.60E-08	7.10E-07	1.56E-06
8,545	9.73E-08	7.93E-07	1.74E-06	9.51E-08	7.71E-07	1.68E-06	9.14E-08	7.52E-07	1.63E-06	9.02E-08	7.41E-07	1.63E-06	8.60E-08	7.10E-07	1.56E-06
8,546	9.73E-08	7.91E-07	1.74E-06	9.51E-08	7.71E-07	1.68E-06	9.14E-08	7.52E-07	1.63E-06	9.02E-08	7.41E-07	1.63E-06	8.60E-08	7.09E-07	1.56E-06
8,547	9.73E-08	7.91E-07	1.74E-06	9.51E-08	7.70E-07	1.68E-06	9.14E-08	7.51E-07	1.63E-06	9.01E-08	7.40E-07	1.63E-06	8.59E-08	7.09E-07	1.56E-06
8,548	9.72E-08	7.91E-07	1.74E-06	9.50E-08	7.70E-07	1.68E-06	9.13E-08	7.51E-07	1.63E-06	9.00E-08	7.40E-07	1.63E-06	8.59E-08	7.09E-07	1.56E-06
8,549	9.72E-08	7.90E-07	1.74E-06	9.49E-08	7.70E-07	1.68E-06	9.12E-08	7.51E-07	1.63E-06	8.99E-08	7.40E-07	1.62E-06	8.59E-08	7.08E-07	1.56E-06
8,550	9.71E-08	7.90E-07	1.74E-06	9.49E-08	7.70E-07	1.68E-06	9.12E-08	7.50E-07	1.63E-06	8.99E-08	7.40E-07	1.62E-06	8.59E-08	7.08E-07	1.56E-06
8,551	9.71E-08	7.90E-07	1.74E-06	9.49E-08	7.69E-07	1.68E-06	9.10E-08	7.50E-07	1.63E-06	8.98E-08	7.40E-07	1.62E-06	8.58E-08	7.07E-07	1.55E-06
8,552	9.70E-08	7.90E-07	1.74E-06	9.47E-08	7.69E-07	1.68E-06	9.09E-08	7.49E-07	1.63E-06	8.98E-08	7.39E-07	1.62E-06	8.58E-08	7.07E-07	1.55E-06
8,553	9.69E-08	7.89E-07	1.74E-06	9.47E-08	7.68E-07	1.68E-06	9.09E-08	7.49E-07	1.63E-06	8.98E-08	7.39E-07	1.62E-06	8.58E-08	7.07E-07	1.55E-06
8,554	9.69E-08	7.89E-07	1.74E-06	9.46E-08	7.68E-07	1.67E-06	9.08E-08	7.49E-07	1.63E-06	8.97E-08	7.39E-07	1.62E-06	8.57E-08	7.06E-07	1.55E-06
8,555	9.68E-08	7.89E-07	1.74E-06	9.46E-08	7.67E-07	1.67E-06	9.08E-08	7.49E-07	1.63E-06	8.96E-08	7.38E-07	1.62E-06	8.56E-08	7.06E-07	1.55E-06
8,556	9.68E-08	7.89E-07	1.74E-06	9.45E-08	7.67E-07	1.67E-06	9.08E-08	7.48E-07	1.63E-06	8.95E-08	7.37E-07	1.62E-06	8.56E-08	7.06E-07	1.55E-06
8,557	9.67E-08	7.87E-07	1.74E-06	9.45E-08	7.67E-07	1.67E-06	9.07E-08	7.47E-07	1.63E-06	8.94E-08	7.37E-07	1.62E-06	8.56E-08	7.06E-07	1.55E-06
8,558	9.67E-08	7.87E-07	1.74E-06	9.44E-08	7.67E-07	1.67E-06	9.07E-08	7.47E-07	1.63E-06	8.94E-08	7.36E-07	1.61E-06	8.55E-08	7.06E-07	1.55E-06
8,559	9.66E-08	7.86E-07	1.73E-06	9.44E-08	7.66E-07	1.67E-06	9.06E-08	7.47E-07	1.63E-06	8.94E-08	7.36E-07	1.61E-06	8.54E-08	7.05E-07	1.55E-06
8,560	9.66E-08	7.86E-07	1.73E-06	9.44E-08	7.66E-07	1.67E-06	9.06E-08	7.47E-07	1.62E-06	8.93E-08	7.36E-07	1.61E-06	8.54E-08	7.05E-07	1.55E-06
8,561	9.66E-08	7.85E-07	1.73E-06	9.44E-08	7.66E-07	1.66E-06	9.06E-08	7.47E-07	1.62E-06	8.93E-08	7.36E-07	1.61E-06	8.54E-08	7.04E-07	1.55E-06
8,562	9.66E-08	7.84E-07	1.73E-06	9.44E-08	7.65E-07	1.66E-06	9.06E-08	7.46E-07	1.62E-06	8.93E-08	7.35E-07	1.61E-06	8.54E-08	7.04E-07	1.55E-06
8,563	9.65E-08	7.84E-07	1.73E-06	9.43E-08	7.65E-07	1.66E-06	9.06E-08	7.46E-07	1.62E-06	8.92E-08	7.35E-07	1.61E-06	8.54E-08	7.04E-07	1.54E-06
8,564	9.64E-08	7.84E-07	1.73E-06	9.43E-08	7.64E-07	1.66E-06	9.06E-08	7.46E-07	1.62E-06	8.92E-08	7.34E-07	1.61E-06	8.53E-08	7.04E-07	1.54E-06
8,565	9.64E-08	7.84E-07	1.73E-06	9.43E-08	7.64E-07	1.66E-06	9.05E-08	7.46E-07	1.62E-06	8.92E-08	7.34E-07	1.61E-06	8.52E-08	7.03E-07	1.54E-06
8,566	9.64E-08	7.84E-07	1.73E-06	9.42E-08	7.64E-07	1.66E-06	9.05E-08	7.45E-07	1.62E-06	8.91E-08	7.34E-07	1.61E-06	8.52E-08	7.03E-07	1.54E-06
8,567	9.64E-08	7.83E-07	1.73E-06	9.41E-08	7.64E-07	1.66E-06	9.05E-08	7.45E-07	1.62E-06	8.90E-08	7.33E-07	1.60E-06	8.52E-08	7.03E-07	1.54E-06
8,568	9.64E-08	7.83E-07	1.73E-06	9.41E-08	7.64E-07	1.66E-06	9.04E-08	7.45E-07	1.62E-06	8.90E-08	7.33E-07	1.60E-06	8.51E-08	7.02E-07	1.54E-06
8,569	9.63E-08	7.83E-07	1.73E-06	9.41E-08	7.63E-07	1.66E-06	9.04E-08	7.44E-07	1.62E-06	8.89E-08	7.33E-07	1.60E-06	8.51E-08	7.02E-07	1.54E-06
8,570	9.62E-08	7.83E-07	1.72E-06	9.40E-08	7.63E-07	1.66E-06	9.03E-08	7.43E-07	1.62E-06	8.88E-08	7.33E-07	1.60E-06	8.50E-08	7.02E-07	1.54E-06
8,571	9.61E-08	7.83E-07	1.72E-06	9.40E-08	7.63E-07	1.66E-06	9.03E-08	7.42E-07	1.61E-06	8.88E-08	7.33E-07	1.60E-06	8.50E-08	7.02E-07	1.54E-06
8,572	9.61E-08	7.82E-07	1.72E-06	9.39E-08	7.62E-07	1.66E-06	9.03E-08	7.42E-07	1.61E-06	8.88E-08	7.33E-07	1.60E-06	8.49E-08	7.02E-07	1.54E-06
8,573	9.61E-08	7.82E-07	1.72E-06	9.38E-08	7.60E-07	1.66E-06	9.02E-08	7.42E-07	1.61E-06	8.86E-08	7.32E-07	1.60E-06	8.49E-08	7.02E-07	1.54E-06
8,574	9.60E-08	7.82E-07	1.72E-06	9.38E-08	7.60E-07	1.66E-06	9.02E-08	7.42E-07	1.61E-06	8.86E-08	7.32E-07	1.60E-06	8.48E-08	7.01E-07	1.54E-06
8,575	9.60E-08	7.82E-07	1.72E-06	9.37E-08	7.60E-07	1.66E-06	9.02E-08	7.41E-07	1.61E-06	8.85E-08	7.32E-07	1.60E-06	8.47E-08	7.00E-07	1.54E-06
8,576	9.60E-08	7.82E-07	1.72E-06	9.37E-08	7.60E-07	1.66E-06	9.01E-08	7.41E-07	1.61E-06	8.85E-08	7.32E-07	1.60E-06	8.47E-08	7.00E-07	1.53E-06
8,577	9.59E-08	7.81E-07	1.72E-06	9.36E-08	7.60E-07	1.65E-06	9.01E-08	7.41E-07	1.61E-06	8.84E-08	7.32E-07	1.60E-06	8.46E-08	7.00E-07	1.53E-06
8,578	9.58E-08	7.80E-07	1.72E-06	9.35E-08	7.59E-07	1.65E-06	9.01E-08	7.41E-07	1.61E-06	8.83E-08	7.32E-07	1.60E-06	8.44E-08	7.00E-07	1.53E-06
8,579	9.58E-08	7.80E-07	1.72E-06	9.34E-08	7.59E-07	1.65E-06	9.00E-08	7.41E-07	1.61E-06	8.83E-08	7.32E-07	1.60E-06	8.44E-08	6.98E-07	1.53E-06
8,580	9.58E-08	7.80E-07	1.72E-06	9.33E-08	7.59E-07	1.65E-06	9.00E-08	7.40E-07	1.61E-06	8.82E-08	7.31E-07	1.60E-06	8.44E-08	6.98E-07	1.53E-06
8,581	9.58E-08	7.80E-07	1.71E-06	9.33E-08	7.59E-07	1.65E-06	9.00E-08	7.40E-07	1.61E-06	8.82E-08	7.30E-07	1.60E-06	8.43E-08	6.98E-07	1.53E-06
8,582	9.57E-08	7.80E-07	1.71E-06	9.32E-08	7.58E-07	1.65E-06	8.99E-08	7.40E-07	1.61E-06	8.81E-08	7.30E-07	1.60E-06	8.43E-08	6.98E-07	1.53E-06
8,583	9.57E-08	7.79E-07	1.71E-06	9.32E-08	7.58E-07	1.65E-06	8.99E-08	7.38E-07	1.60E-06	8.81E-08	7.29E-07	1.60E-06	8.43E-08	6.98E-07	1.53E-06
8,584	9.57E-08	7.79E-07	1.71E-06	9.32E-08	7.57E-07	1.65E-06	8.99E-08	7.38E-07	1.60E-06	8.81E-08	7.28E-07	1.59E-06	8.41E-08	6.97E-07	1.53E-06
8,585	9.55E-08	7.79E-07	1.71E-06	9.30E-08	7.57E-07	1.65E-06	8.99E-08	7.38E-07	1.60E-06	8.80E-08	7.28E-07	1.59E-06	8.41E-08	6.97E-07	1.53E-06
8,586	9.55E-08	7.79E-07	1.71E-06	9.30E-08	7.57E-07	1.65E-06	8.98E-08	7.38E-07	1.60E-06	8.79E-08	7.27E-07	1.59E-06	8.41E-08	6.96E-07	1.53E-06
8,587	9.55E-08	7.78E-07	1.71E-06	9.30E-08	7.57E-07	1.65E-06	8.98E-08	7.36E-07	1.60E-06	8.79E-08	7.27E-07	1.59E-06	8.41E-08	6.96E-07	1.53E-06
8,588	9.54E-08	7.78E-07	1.71E-06	9.29E-08	7.56E-07	1.65E-06	8.97E-08	7.36E-07	1.60E-06	8.79E-08	7.26E-07	1.59E-06	8.41E-08	6.96E-07	1.53E-06
8,589	9.54E-08	7.76E-07	1.71E-06	9.28E-08	7.56E-07	1.65E-06	8.97E-08	7.36E-07	1.60E-06	8.79E-08	7.25E-07	1.59E-06	8.40E-08	6.96E-07	1.53E-06
8,590	9.52E-08	7.76E-07	1.71E-06	9.27E-08	7.56E-07	1.65E-06	8.97E-08	7.35E-07	1.60E-06	8.79E-08	7.25E-07	1.59E-06	8.40E-08	6.96E-07	1.53E-06
8,591	9.52E-08	7.74E-07	1.71E-06	9.26E-08	7.55E-07	1.65E-06	8.96E-08	7.35E-07	1.60E-06	8.78E-08	7.24E-07	1.59E-06	8.40E-08	6.95E-07	1.53E-06
8,592	9.52E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,596	9.50E-08	7.73E-07	1.70E-06	9.21E-08	7.54E-07	1.64E-06	8.95E-08	7.34E-07	1.60E-06	8.74E-08	7.23E-07	1.59E-06	8.38E-08	6.94E-07	1.53E-06
8,597	9.50E-08	7.72E-07	1.70E-06	9.21E-08	7.54E-07	1.64E-06	8.94E-08	7.34E-07	1.59E-06	8.74E-08	7.22E-07	1.59E-06	8.38E-08	6.93E-07	1.53E-06
8,598	9.48E-08	7.72E-07	1.70E-06	9.21E-08	7.54E-07	1.64E-06	8.94E-08	7.33E-07	1.59E-06	8.73E-08	7.22E-07	1.59E-06	8.38E-08	6.93E-07	1.53E-06
8,599	9.47E-08	7.72E-07	1.70E-06	9.21E-08	7.53E-07	1.64E-06	8.93E-08	7.33E-07	1.59E-06	8.73E-08	7.22E-07	1.59E-06	8.37E-08	6.92E-07	1.52E-06
8,600	9.47E-08	7.71E-07	1.70E-06	9.21E-08	7.53E-07	1.64E-06	8.92E-08	7.33E-07	1.59E-06	8.73E-08	7.21E-07	1.59E-06	8.37E-08	6.92E-07	1.52E-06
8,601	9.45E-08	7.70E-07	1.70E-06	9.21E-08	7.53E-07	1.64E-06	8.91E-08	7.33E-07	1.59E-06	8.73E-08	7.19E-07	1.59E-06	8.37E-08	6.92E-07	1.52E-06
8,602	9.45E-08	7.70E-07	1.70E-06	9.20E-08	7.52E-07	1.64E-06	8.91E-08	7.33E-07	1.59E-06	8.73E-08	7.19E-07	1.59E-06	8.36E-08	6.92E-07	1.52E-06
8,603	9.44E-08	7.70E-07	1.70E-06	9.20E-08	7.52E-07	1.64E-06	8.90E-08	7.32E-07	1.59E-06	8.73E-08	7.19E-07	1.58E-06	8.36E-08	6.91E-07	1.52E-06
8,604	9.44E-08	7.70E-07	1.70E-06	9.20E-08	7.52E-07	1.64E-06	8.90E-08	7.32E-07	1.59E-06	8.73E-08	7.18E-07	1.58E-06	8.34E-08	6.91E-07	1.52E-06
8,605	9.43E-08	7.70E-07	1.70E-06	9.20E-08	7.51E-07	1.64E-06	8.89E-08	7.32E-07	1.59E-06	8.72E-08	7.18E-07	1.58E-06	8.34E-08	6.90E-07	1.52E-06
8,606	9.43E-08	7.69E-07	1.70E-06	9.19E-08	7.51E-07	1.64E-06	8.89E-08	7.31E-07	1.59E-06	8.71E-08	7.18E-07	1.58E-06	8.34E-08	6.89E-07	1.52E-06
8,607	9.43E-08	7.69E-07	1.70E-06	9.19E-08	7.50E-07	1.64E-06	8.89E-08	7.31E-07	1.59E-06	8.71E-08	7.17E-07	1.58E-06	8.33E-08	6.89E-07	1.52E-06
8,608	9.43E-08	7.69E-07	1.69E-06	9.18E-08	7.49E-07	1.64E-06	8.89E-08	7.30E-07	1.58E-06	8.71E-08	7.17E-07	1.58E-06	8.32E-08	6.89E-07	1.52E-06
8,609	9.42E-08	7.69E-07	1.69E-06	9.17E-08	7.49E-07	1.63E-06	8.88E-08	7.30E-07	1.58E-06	8.70E-08	7.17E-07	1.58E-06	8.32E-08	6.89E-07	1.52E-06
8,610	9.42E-08	7.68E-07	1.69E-06	9.17E-08	7.49E-07	1.63E-06	8.88E-08	7.30E-07	1.58E-06	8.70E-08	7.16E-07	1.58E-06	8.31E-08	6.88E-07	1.52E-06
8,611	9.41E-08	7.67E-07	1.69E-06	9.17E-08	7.49E-07	1.63E-06	8.88E-08	7.30E-07	1.58E-06	8.69E-08	7.16E-07	1.58E-06	8.31E-08	6.88E-07	1.52E-06
8,612	9.41E-08	7.66E-07	1.69E-06	9.16E-08	7.49E-07	1.63E-06	8.87E-08	7.30E-07	1.58E-06	8.68E-08	7.16E-07	1.58E-06	8.31E-08	6.87E-07	1.52E-06
8,613	9.40E-08	7.66E-07	1.69E-06	9.15E-08	7.48E-07	1.63E-06	8.86E-08	7.29E-07	1.58E-06	8.67E-08	7.15E-07	1.58E-06	8.30E-08	6.87E-07	1.52E-06
8,614	9.39E-08	7.66E-07	1.69E-06	9.15E-08	7.48E-07	1.63E-06	8.86E-08	7.29E-07	1.58E-06	8.67E-08	7.15E-07	1.58E-06	8.29E-08	6.87E-07	1.52E-06
8,615	9.38E-08	7.66E-07	1.69E-06	9.15E-08	7.47E-07	1.63E-06	8.84E-08	7.29E-07	1.58E-06	8.65E-08	7.14E-07	1.58E-06	8.29E-08	6.86E-07	1.52E-06
8,616	9.38E-08	7.65E-07	1.69E-06	9.14E-08	7.47E-07	1.63E-06	8.84E-08	7.27E-07	1.58E-06	8.65E-08	7.14E-07	1.58E-06	8.29E-08	6.86E-07	1.52E-06
8,617	9.38E-08	7.65E-07	1.69E-06	9.14E-08	7.46E-07	1.63E-06	8.84E-08	7.27E-07	1.57E-06	8.64E-08	7.13E-07	1.58E-06	8.28E-08	6.85E-07	1.52E-06
8,618	9.37E-08	7.64E-07	1.69E-06	9.14E-08	7.46E-07	1.63E-06	8.83E-08	7.27E-07	1.57E-06	8.63E-08	7.13E-07	1.58E-06	8.27E-08	6.85E-07	1.52E-06
8,619	9.37E-08	7.64E-07	1.69E-06	9.14E-08	7.45E-07	1.63E-06	8.83E-08	7.27E-07	1.57E-06	8.63E-08	7.12E-07	1.58E-06	8.27E-08	6.85E-07	1.52E-06
8,620	9.36E-08	7.64E-07	1.69E-06	9.13E-08	7.45E-07	1.63E-06	8.82E-08	7.27E-07	1.57E-06	8.63E-08	7.10E-07	1.58E-06	8.27E-08	6.84E-07	1.52E-06
8,621	9.36E-08	7.64E-07	1.69E-06	9.12E-08	7.45E-07	1.63E-06	8.82E-08	7.27E-07	1.57E-06	8.61E-08	7.10E-07	1.58E-06	8.27E-08	6.84E-07	1.52E-06
8,622	9.35E-08	7.63E-07	1.69E-06	9.12E-08	7.45E-07	1.63E-06	8.81E-08	7.26E-07	1.57E-06	8.61E-08	7.10E-07	1.58E-06	8.26E-08	6.84E-07	1.51E-06
8,623	9.35E-08	7.63E-07	1.69E-06	9.12E-08	7.44E-07	1.63E-06	8.81E-08	7.26E-07	1.57E-06	8.59E-08	7.09E-07	1.58E-06	8.26E-08	6.83E-07	1.51E-06
8,624	9.34E-08	7.63E-07	1.69E-06	9.12E-08	7.44E-07	1.62E-06	8.80E-08	7.26E-07	1.57E-06	8.59E-08	7.09E-07	1.58E-06	8.26E-08	6.83E-07	1.51E-06
8,625	9.34E-08	7.63E-07	1.68E-06	9.12E-08	7.43E-07	1.62E-06	8.80E-08	7.26E-07	1.57E-06	8.59E-08	7.09E-07	1.58E-06	8.25E-08	6.83E-07	1.51E-06
8,626	9.34E-08	7.63E-07	1.68E-06	9.12E-08	7.42E-07	1.62E-06	8.80E-08	7.25E-07	1.57E-06	8.58E-08	7.08E-07	1.58E-06	8.25E-08	6.82E-07	1.51E-06
8,627	9.33E-08	7.63E-07	1.68E-06	9.11E-08	7.42E-07	1.62E-06	8.80E-08	7.25E-07	1.57E-06	8.58E-08	7.07E-07	1.57E-06	8.25E-08	6.82E-07	1.51E-06
8,628	9.33E-08	7.62E-07	1.68E-06	9.10E-08	7.41E-07	1.62E-06	8.77E-08	7.25E-07	1.57E-06	8.58E-08	7.07E-07	1.57E-06	8.25E-08	6.82E-07	1.51E-06
8,629	9.32E-08	7.62E-07	1.68E-06	9.10E-08	7.41E-07	1.62E-06	8.76E-08	7.25E-07	1.57E-06	8.57E-08	7.07E-07	1.57E-06	8.25E-08	6.82E-07	1.51E-06
8,630	9.32E-08	7.62E-07	1.68E-06	9.09E-08	7.41E-07	1.62E-06	8.75E-08	7.25E-07	1.57E-06	8.57E-08	7.06E-07	1.57E-06	8.24E-08	6.81E-07	1.51E-06
8,631	9.31E-08	7.61E-07	1.68E-06	9.09E-08	7.41E-07	1.62E-06	8.75E-08	7.24E-07	1.56E-06	8.57E-08	7.06E-07	1.57E-06	8.24E-08	6.81E-07	1.51E-06
8,632	9.31E-08	7.60E-07	1.68E-06	9.08E-08	7.41E-07	1.62E-06	8.75E-08	7.24E-07	1.56E-06	8.57E-08	7.06E-07	1.57E-06	8.24E-08	6.80E-07	1.51E-06
8,633	9.30E-08	7.60E-07	1.68E-06	9.08E-08	7.40E-07	1.62E-06	8.75E-08	7.24E-07	1.56E-06	8.57E-08	7.06E-07	1.57E-06	8.24E-08	6.80E-07	1.51E-06
8,634	9.28E-08	7.60E-07	1.68E-06	9.08E-08	7.40E-07	1.62E-06	8.75E-08	7.23E-07	1.56E-06	8.56E-08	7.05E-07	1.57E-06	8.24E-08	6.80E-07	1.51E-06
8,635	9.28E-08	7.60E-07	1.68E-06	9.07E-08	7.40E-07	1.62E-06	8.73E-08	7.23E-07	1.56E-06	8.56E-08	7.05E-07	1.57E-06	8.24E-08	6.80E-07	1.51E-06
8,636	9.27E-08	7.59E-07	1.68E-06	9.07E-08	7.40E-07	1.62E-06	8.72E-08	7.23E-07	1.56E-06	8.56E-08	7.05E-07	1.57E-06	8.23E-08	6.80E-07	1.51E-06
8,637	9.27E-08	7.59E-07	1.68E-06	9.07E-08	7.40E-07	1.62E-06	8.72E-08	7.23E-07	1.56E-06	8.56E-08	7.04E-07	1.57E-06	8.23E-08	6.79E-07	1.51E-06
8,638	9.26E-08	7.58E-07	1.67E-06	9.07E-08	7.40E-07	1.62E-06	8.72E-08	7.23E-07	1.56E-06	8.55E-08	7.03E-07	1.57E-06	8.23E-08	6.79E-07	1.51E-06
8,639	9.26E-08	7.58E-07	1.67E-06	9.07E-08	7.39E-07	1.62E-06	8.72E-08	7.22E-07	1.56E-06	8.54E-08	7.02E-07	1.57E-06	8.22E-08	6.78E-07	1.51E-06
8,640	9.26E-08	7.58E-07	1.67E-06	9.07E-08	7.39E-07	1.62E-06	8.72E-08	7.21E-07	1.56E-06	8.54E-08	7.01E-07	1.57E-06	8.22E-08	6.78E-07	1.50E-06
8,641	9.26E-08	7.57E-07	1.67E-06	9.06E-08	7.38E-07	1.62E-06	8.71E-08	7.21E-07	1.56E-06	8.53E-08	7.00E-07	1.56E-06	8.22E-08	6.78E-07	1.50E-06
8,642	9.24E-08	7.56E-07	1.67E-06	9.06E-08	7.38E-07	1.62E-06	8.70E-08	7.20E-07	1.56E-06	8.53E-08	6.98E-07	1.56E-06	8.22E-08	6.78E-07	1.50E-06
8,643	9.23E-08	7.56E-07	1.67E-06	9.06E-08	7.37E-07	1.61E-06	8.70E-08	7.20E-07	1.55E-06	8.52E-08	6.98E-07	1.56E-06	8.21E-08	6.77E-07	1.50E-06
8,644	9.22E-08	7.55E-07	1.67E-06	9.04E-08	7.37E-07	1.61E-06	8.70E-08	7.20E-07	1.55E-06	8.52E-08	6.98E-07	1.56E-06	8.21E-08	6.76E-07	1.50E-06
8,645	9.21E-08	7.55E-07	1.67E-06	9.04E-08	7.37E-07	1.61E-06	8.68E-08	7.20E-07	1.55E-06	8.51E-08	6.98E-07	1.56E-06	8.20E-08	6.76E-07	1.50E-06
8,646	9.21E-08	7.54E-07	1.67E-06	9.03E-08	7.37E-07	1.61E-06	8.68E-08	7.20E-07	1.55E-06	8.51E-08	6.98E-07	1.56E-06	8.20E-08	6.76E-07	1.50E-06
8,647	9.21E-08	7.54E-07	1.67E-06	9.03E-08	7.36E-07	1.61E-06	8.68E-08	7.20E-07	1.55E-06	8.49E-08	6.97E-07	1.56E-06	8.20E-08	6.76E-07	1.50E-06
8,648	9.20E-08	7.53E-07	1.67E-06	9.03E-08	7.35E-07	1.61E-06	8.67E-08	7.20E-07	1.55E-06	8.47E-08	6.97E-07	1.56E-06	8.19E-08	6.76E-07	1.50E-06
8,649	9.20E-08	7.53E-07	1.67E-06	9.02E-08	7.35E-07	1.61E-06	8.67E-08	7.19E-07	1.55E-06	8.46E-08	6.97E-07	1.56E-06	8.18E-08	6.76E-07	1.50E-06
8,650	9.20E-08	7.53E-07	1.67E-06	9.01E-08	7.35E-07	1.61E-06	8.67E-08	7.18E-07	1.55E-06	8.46E-08	6.96E-07	1.56E-06	8.18E-08	6.75E-07	1.50E-06
8,651	9.19E-08	7.53E-07	1.67E-06	9.00E-08	7.34E-07	1.61E-06	8.67E-08	7.18E-07	1.55E-06	8.46E-08	6.96E-07	1.56E-06	8.18E-08	6.75E-07	1.50E-06
8,652	9.18E-08	7.52E-07	1.67E-06	9.00E-08	7.34E-07	1.61E-06	8.66E-08	7.18E-07	1.54E-06	8.46E-08	6.96E-07	1.56E-06	8.16E-08	6.74E-07	1.50E-06
8,653	9.17E-08	7.52E-07	1.67E-06	8.99E-08	7.33E-07	1.61E-06	8.66E-08	7.18E-07	1.54E-06	8.45E-08	6.96E-07	1.55E-06	8.16E-08	6.74E-07	1.50E-06
8,654	9.17E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,658	9.14E-08	7.49E-07	1.66E-06	8.96E-08	7.31E-07	1.60E-06	8.64E-08	7.16E-07	1.54E-06	8.44E-08	6.92E-07	1.55E-06	8.14E-08	6.73E-07	1.49E-06
8,659	9.13E-08	7.49E-07	1.66E-06	8.96E-08	7.31E-07	1.60E-06	8.64E-08	7.16E-07	1.54E-06	8.44E-08	6.92E-07	1.55E-06	8.14E-08	6.73E-07	1.49E-06
8,660	9.13E-08	7.48E-07	1.65E-06	8.96E-08	7.31E-07	1.60E-06	8.63E-08	7.16E-07	1.54E-06	8.44E-08	6.91E-07	1.55E-06	8.14E-08	6.72E-07	1.49E-06
8,661	9.13E-08	7.48E-07	1.65E-06	8.95E-08	7.30E-07	1.60E-06	8.63E-08	7.15E-07	1.54E-06	8.42E-08	6.91E-07	1.55E-06	8.13E-08	6.72E-07	1.49E-06
8,662	9.13E-08	7.48E-07	1.65E-06	8.95E-08	7.30E-07	1.60E-06	8.63E-08	7.15E-07	1.54E-06	8.42E-08	6.91E-07	1.55E-06	8.13E-08	6.72E-07	1.49E-06
8,663	9.13E-08	7.48E-07	1.65E-06	8.92E-08	7.30E-07	1.60E-06	8.62E-08	7.15E-07	1.54E-06	8.41E-08	6.91E-07	1.54E-06	8.13E-08	6.72E-07	1.49E-06
8,664	9.11E-08	7.48E-07	1.65E-06	8.92E-08	7.29E-07	1.60E-06	8.60E-08	7.15E-07	1.54E-06	8.41E-08	6.90E-07	1.54E-06	8.13E-08	6.72E-07	1.49E-06
8,665	9.11E-08	7.47E-07	1.65E-06	8.90E-08	7.28E-07	1.60E-06	8.59E-08	7.14E-07	1.54E-06	8.41E-08	6.89E-07	1.54E-06	8.13E-08	6.70E-07	1.49E-06
8,666	9.11E-08	7.46E-07	1.65E-06	8.90E-08	7.28E-07	1.60E-06	8.58E-08	7.14E-07	1.53E-06	8.40E-08	6.89E-07	1.54E-06	8.12E-08	6.69E-07	1.49E-06
8,667	9.10E-08	7.46E-07	1.65E-06	8.90E-08	7.28E-07	1.60E-06	8.58E-08	7.13E-07	1.53E-06	8.40E-08	6.89E-07	1.54E-06	8.12E-08	6.68E-07	1.49E-06
8,668	9.09E-08	7.45E-07	1.65E-06	8.89E-08	7.28E-07	1.60E-06	8.57E-08	7.13E-07	1.53E-06	8.40E-08	6.89E-07	1.54E-06	8.12E-08	6.68E-07	1.49E-06
8,669	9.08E-08	7.45E-07	1.65E-06	8.89E-08	7.28E-07	1.60E-06	8.57E-08	7.13E-07	1.53E-06	8.40E-08	6.88E-07	1.54E-06	8.12E-08	6.68E-07	1.49E-06
8,670	9.08E-08	7.44E-07	1.65E-06	8.89E-08	7.27E-07	1.59E-06	8.56E-08	7.13E-07	1.53E-06	8.40E-08	6.88E-07	1.54E-06	8.11E-08	6.68E-07	1.49E-06
8,671	9.08E-08	7.44E-07	1.65E-06	8.88E-08	7.27E-07	1.59E-06	8.56E-08	7.13E-07	1.53E-06	8.39E-08	6.88E-07	1.54E-06	8.11E-08	6.68E-07	1.49E-06
8,672	9.07E-08	7.44E-07	1.64E-06	8.87E-08	7.27E-07	1.59E-06	8.55E-08	7.12E-07	1.53E-06	8.38E-08	6.88E-07	1.54E-06	8.11E-08	6.66E-07	1.48E-06
8,673	9.06E-08	7.44E-07	1.64E-06	8.87E-08	7.27E-07	1.59E-06	8.55E-08	7.12E-07	1.53E-06	8.38E-08	6.87E-07	1.54E-06	8.10E-08	6.65E-07	1.48E-06
8,674	9.05E-08	7.44E-07	1.64E-06	8.86E-08	7.26E-07	1.59E-06	8.54E-08	7.12E-07	1.53E-06	8.38E-08	6.87E-07	1.53E-06	8.09E-08	6.64E-07	1.48E-06
8,675	9.04E-08	7.44E-07	1.64E-06	8.86E-08	7.26E-07	1.59E-06	8.54E-08	7.12E-07	1.53E-06	8.38E-08	6.87E-07	1.53E-06	8.08E-08	6.64E-07	1.48E-06
8,676	9.03E-08	7.44E-07	1.64E-06	8.86E-08	7.25E-07	1.59E-06	8.53E-08	7.11E-07	1.53E-06	8.36E-08	6.86E-07	1.53E-06	8.08E-08	6.63E-07	1.48E-06
8,677	9.03E-08	7.43E-07	1.64E-06	8.86E-08	7.25E-07	1.59E-06	8.53E-08	7.10E-07	1.53E-06	8.36E-08	6.86E-07	1.53E-06	8.07E-08	6.63E-07	1.48E-06
8,678	9.03E-08	7.43E-07	1.64E-06	8.86E-08	7.25E-07	1.59E-06	8.52E-08	7.10E-07	1.53E-06	8.35E-08	6.86E-07	1.53E-06	8.07E-08	6.63E-07	1.48E-06
8,679	9.02E-08	7.42E-07	1.64E-06	8.86E-08	7.24E-07	1.59E-06	8.52E-08	7.07E-07	1.53E-06	8.34E-08	6.85E-07	1.53E-06	8.06E-08	6.62E-07	1.48E-06
8,680	9.02E-08	7.41E-07	1.64E-06	8.85E-08	7.24E-07	1.59E-06	8.52E-08	7.07E-07	1.52E-06	8.34E-08	6.84E-07	1.53E-06	8.06E-08	6.61E-07	1.48E-06
8,681	9.02E-08	7.40E-07	1.63E-06	8.85E-08	7.24E-07	1.58E-06	8.51E-08	7.07E-07	1.52E-06	8.34E-08	6.84E-07	1.53E-06	8.05E-08	6.61E-07	1.48E-06
8,682	9.01E-08	7.40E-07	1.63E-06	8.84E-08	7.24E-07	1.58E-06	8.51E-08	7.05E-07	1.52E-06	8.33E-08	6.83E-07	1.53E-06	8.05E-08	6.61E-07	1.48E-06
8,683	9.01E-08	7.40E-07	1.63E-06	8.84E-08	7.23E-07	1.58E-06	8.51E-08	7.05E-07	1.52E-06	8.33E-08	6.83E-07	1.52E-06	8.04E-08	6.60E-07	1.48E-06
8,684	9.00E-08	7.38E-07	1.63E-06	8.84E-08	7.23E-07	1.58E-06	8.49E-08	7.04E-07	1.52E-06	8.33E-08	6.82E-07	1.52E-06	8.04E-08	6.60E-07	1.48E-06
8,685	9.00E-08	7.38E-07	1.63E-06	8.84E-08	7.23E-07	1.58E-06	8.49E-08	7.04E-07	1.52E-06	8.32E-08	6.81E-07	1.52E-06	8.03E-08	6.60E-07	1.48E-06
8,686	9.00E-08	7.37E-07	1.63E-06	8.83E-08	7.22E-07	1.58E-06	8.48E-08	7.03E-07	1.52E-06	8.32E-08	6.81E-07	1.52E-06	8.02E-08	6.60E-07	1.48E-06
8,687	8.99E-08	7.37E-07	1.63E-06	8.82E-08	7.22E-07	1.58E-06	8.48E-08	7.02E-07	1.52E-06	8.31E-08	6.81E-07	1.52E-06	8.00E-08	6.60E-07	1.47E-06
8,688	8.98E-08	7.36E-07	1.63E-06	8.82E-08	7.21E-07	1.58E-06	8.48E-08	7.02E-07	1.52E-06	8.31E-08	6.81E-07	1.52E-06	8.00E-08	6.59E-07	1.47E-06
8,689	8.98E-08	7.35E-07	1.63E-06	8.82E-08	7.21E-07	1.58E-06	8.47E-08	7.02E-07	1.52E-06	8.31E-08	6.81E-07	1.52E-06	8.00E-08	6.59E-07	1.47E-06
8,690	8.97E-08	7.35E-07	1.63E-06	8.82E-08	7.21E-07	1.58E-06	8.47E-08	7.02E-07	1.52E-06	8.31E-08	6.80E-07	1.52E-06	8.00E-08	6.58E-07	1.47E-06
8,691	8.96E-08	7.35E-07	1.62E-06	8.81E-08	7.21E-07	1.57E-06	8.47E-08	7.01E-07	1.52E-06	8.30E-08	6.80E-07	1.52E-06	7.99E-08	6.58E-07	1.47E-06
8,692	8.95E-08	7.34E-07	1.62E-06	8.81E-08	7.21E-07	1.57E-06	8.47E-08	7.01E-07	1.52E-06	8.30E-08	6.80E-07	1.52E-06	7.99E-08	6.58E-07	1.47E-06
8,693	8.95E-08	7.34E-07	1.62E-06	8.80E-08	7.20E-07	1.57E-06	8.47E-08	7.01E-07	1.52E-06	8.30E-08	6.79E-07	1.52E-06	7.99E-08	6.58E-07	1.47E-06
8,694	8.95E-08	7.33E-07	1.62E-06	8.80E-08	7.20E-07	1.57E-06	8.47E-08	7.00E-07	1.52E-06	8.30E-08	6.79E-07	1.52E-06	7.99E-08	6.58E-07	1.47E-06
8,695	8.95E-08	7.33E-07	1.62E-06	8.80E-08	7.20E-07	1.57E-06	8.46E-08	7.00E-07	1.52E-06	8.28E-08	6.79E-07	1.52E-06	7.98E-08	6.57E-07	1.47E-06
8,696	8.95E-08	7.33E-07	1.62E-06	8.79E-08	7.20E-07	1.57E-06	8.45E-08	6.98E-07	1.51E-06	8.27E-08	6.78E-07	1.52E-06	7.98E-08	6.56E-07	1.47E-06
8,697	8.95E-08	7.33E-07	1.62E-06	8.79E-08	7.20E-07	1.57E-06	8.43E-08	6.98E-07	1.51E-06	8.26E-08	6.78E-07	1.51E-06	7.98E-08	6.56E-07	1.47E-06
8,698	8.95E-08	7.32E-07	1.62E-06	8.79E-08	7.19E-07	1.57E-06	8.43E-08	6.98E-07	1.51E-06	8.25E-08	6.78E-07	1.51E-06	7.98E-08	6.55E-07	1.47E-06
8,699	8.94E-08	7.32E-07	1.62E-06	8.78E-08	7.18E-07	1.57E-06	8.42E-08	6.98E-07	1.51E-06	8.25E-08	6.78E-07	1.51E-06	7.96E-08	6.54E-07	1.47E-06
8,700	8.93E-08	7.32E-07	1.62E-06	8.78E-08	7.18E-07	1.57E-06	8.42E-08	6.97E-07	1.51E-06	8.24E-08	6.77E-07	1.51E-06	7.95E-08	6.54E-07	1.47E-06
8,701	8.93E-08	7.31E-07	1.61E-06	8.78E-08	7.18E-07	1.57E-06	8.42E-08	6.97E-07	1.51E-06	8.23E-08	6.77E-07	1.51E-06	7.95E-08	6.54E-07	1.46E-06
8,702	8.93E-08	7.31E-07	1.61E-06	8.77E-08	7.18E-07	1.57E-06	8.40E-08	6.97E-07	1.51E-06	8.23E-08	6.74E-07	1.51E-06	7.94E-08	6.53E-07	1.46E-06
8,703	8.93E-08	7.30E-07	1.61E-06	8.77E-08	7.17E-07	1.57E-06	8.40E-08	6.97E-07	1.51E-06	8.23E-08	6.74E-07	1.51E-06	7.94E-08	6.53E-07	1.46E-06
8,704	8.92E-08	7.30E-07	1.61E-06	8.77E-08	7.17E-07	1.57E-06	8.39E-08	6.96E-07	1.51E-06	8.22E-08	6.74E-07	1.51E-06	7.94E-08	6.52E-07	1.46E-06
8,705	8.92E-08	7.30E-07	1.61E-06	8.76E-08	7.17E-07	1.56E-06	8.39E-08	6.96E-07	1.51E-06	8.22E-08	6.73E-07	1.51E-06	7.93E-08	6.52E-07	1.46E-06
8,706	8.91E-08	7.29E-07	1.61E-06	8.76E-08	7.17E-07	1.56E-06	8.39E-08	6.96E-07	1.50E-06	8.22E-08	6.73E-07	1.51E-06	7.92E-08	6.51E-07	1.46E-06
8,707	8.91E-08	7.28E-07	1.61E-06	8.75E-08	7.16E-07	1.56E-06	8.37E-08	6.96E-07	1.50E-06	8.21E-08	6.73E-07	1.51E-06	7.92E-08	6.51E-07	1.46E-06
8,708	8.90E-08	7.28E-07	1.61E-06	8.75E-08	7.16E-07	1.56E-06	8.37E-08	6.95E-07	1.50E-06	8.21E-08	6.72E-07	1.51E-06	7.92E-08	6.51E-07	1.46E-06
8,709	8.90E-08	7.28E-07	1.61E-06	8.74E-08	7.16E-07	1.56E-06	8.37E-08	6.94E-07	1.50E-06	8.21E-08	6.72E-07	1.51E-06	7.92E-08	6.51E-07	1.46E-06
8,710	8.89E-08	7.27E-07	1.61E-06	8.74E-08	7.15E-07	1.56E-06	8.36E-08	6.94E-07	1.50E-06	8.21E-08	6.72E-07	1.51E-06	7.92E-08	6.51E-07	1.46E-06
8,711	8.89E-08	7.26E-07	1.61E-06	8.73E-08	7.15E-07	1.56E-06	8.36E-08	6.93E-07	1.50E-06	8.21E-08	6.71E-07	1.51E-06	7.91E-08	6.50E-07	1.46E-06
8,712	8.89E-08	7.26E-07	1.61E-06	8.73E-08	7.14E-07	1.56E-06	8.34E-08	6.93E-07	1.50E-06	8.20E-08	6.71E-07	1.50E-06	7.91E-08	6.50E-07	1.46E-06
8,713	8.89E-08	7.24E-07	1.61E-06	8.73E-08	7.14E-07	1.56E-06	8.34E-08	6.93E-07	1.50E-06	8.20E-08	6.71E-07	1.50E-06	7.91E-08	6.50E-07	1.46E-06
8,714	8.89E-08	7.24E-07	1.61E-06	8.72E-08	7.14E-07	1.56E-06	8.34E-08	6.93E-07	1.50E-06	8.20E-08	6.71E-07	1.50E-06	7.90E-08	6.50E-07	1.45E-06
8,715	8.89E-08	7.23E-07	1.61E-06	8.72E-08	7.14E-07	1.56E-06	8.34E-08	6.93E-07	1.50E-06	8.19E-08	6.70E-07	1.50E-06	7.90E-08	6.50E-07	1.45E-06
8,716	8.89E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,720	8.88E-08	7.22E-07	1.60E-06	8.70E-08	7.11E-07	1.56E-06	8.33E-08	6.92E-07	1.50E-06	8.18E-08	6.68E-07	1.49E-06	7.89E-08	6.48E-07	1.45E-06
8,721	8.87E-08	7.21E-07	1.60E-06	8.69E-08	7.11E-07	1.56E-06	8.32E-08	6.91E-07	1.50E-06	8.17E-08	6.68E-07	1.49E-06	7.89E-08	6.48E-07	1.45E-06
8,722	8.87E-08	7.21E-07	1.60E-06	8.69E-08	7.11E-07	1.56E-06	8.32E-08	6.91E-07	1.50E-06	8.17E-08	6.68E-07	1.49E-06	7.89E-08	6.48E-07	1.45E-06
8,723	8.87E-08	7.21E-07	1.60E-06	8.69E-08	7.11E-07	1.55E-06	8.31E-08	6.91E-07	1.49E-06	8.16E-08	6.67E-07	1.49E-06	7.88E-08	6.48E-07	1.44E-06
8,724	8.87E-08	7.20E-07	1.60E-06	8.69E-08	7.11E-07	1.55E-06	8.31E-08	6.91E-07	1.49E-06	8.16E-08	6.67E-07	1.49E-06	7.88E-08	6.47E-07	1.44E-06
8,725	8.87E-08	7.20E-07	1.60E-06	8.68E-08	7.11E-07	1.55E-06	8.31E-08	6.91E-07	1.49E-06	8.15E-08	6.67E-07	1.49E-06	7.88E-08	6.47E-07	1.44E-06
8,726	8.86E-08	7.19E-07	1.60E-06	8.68E-08	7.10E-07	1.55E-06	8.31E-08	6.90E-07	1.49E-06	8.14E-08	6.66E-07	1.49E-06	7.88E-08	6.47E-07	1.44E-06
8,727	8.85E-08	7.19E-07	1.60E-06	8.67E-08	7.10E-07	1.55E-06	8.30E-08	6.90E-07	1.49E-06	8.14E-08	6.66E-07	1.49E-06	7.88E-08	6.46E-07	1.44E-06
8,728	8.85E-08	7.18E-07	1.59E-06	8.67E-08	7.08E-07	1.55E-06	8.30E-08	6.89E-07	1.49E-06	8.14E-08	6.66E-07	1.49E-06	7.87E-08	6.46E-07	1.44E-06
8,729	8.85E-08	7.18E-07	1.59E-06	8.66E-08	7.08E-07	1.55E-06	8.30E-08	6.89E-07	1.49E-06	8.13E-08	6.65E-07	1.49E-06	7.87E-08	6.45E-07	1.44E-06
8,730	8.85E-08	7.17E-07	1.59E-06	8.65E-08	7.08E-07	1.55E-06	8.29E-08	6.89E-07	1.49E-06	8.12E-08	6.65E-07	1.48E-06	7.86E-08	6.45E-07	1.44E-06
8,731	8.84E-08	7.17E-07	1.59E-06	8.62E-08	7.08E-07	1.55E-06	8.29E-08	6.89E-07	1.49E-06	8.12E-08	6.64E-07	1.48E-06	7.86E-08	6.45E-07	1.44E-06
8,732	8.84E-08	7.17E-07	1.59E-06	8.62E-08	7.07E-07	1.55E-06	8.29E-08	6.89E-07	1.49E-06	8.11E-08	6.64E-07	1.48E-06	7.84E-08	6.45E-07	1.44E-06
8,733	8.84E-08	7.17E-07	1.59E-06	8.62E-08	7.07E-07	1.55E-06	8.29E-08	6.89E-07	1.49E-06	8.10E-08	6.64E-07	1.48E-06	7.84E-08	6.44E-07	1.44E-06
8,734	8.83E-08	7.16E-07	1.59E-06	8.60E-08	7.07E-07	1.55E-06	8.28E-08	6.87E-07	1.49E-06	8.09E-08	6.64E-07	1.48E-06	7.83E-08	6.44E-07	1.43E-06
8,735	8.82E-08	7.16E-07	1.59E-06	8.60E-08	7.06E-07	1.55E-06	8.28E-08	6.87E-07	1.49E-06	8.09E-08	6.63E-07	1.48E-06	7.83E-08	6.44E-07	1.43E-06
8,736	8.82E-08	7.16E-07	1.59E-06	8.60E-08	7.06E-07	1.55E-06	8.28E-08	6.87E-07	1.48E-06	8.09E-08	6.63E-07	1.48E-06	7.83E-08	6.43E-07	1.43E-06
8,737	8.82E-08	7.16E-07	1.59E-06	8.60E-08	7.05E-07	1.54E-06	8.27E-08	6.87E-07	1.48E-06	8.09E-08	6.62E-07	1.48E-06	7.82E-08	6.42E-07	1.43E-06
8,738	8.81E-08	7.16E-07	1.59E-06	8.60E-08	7.05E-07	1.54E-06	8.27E-08	6.87E-07	1.48E-06	8.07E-08	6.62E-07	1.48E-06	7.82E-08	6.42E-07	1.43E-06
8,739	8.81E-08	7.15E-07	1.59E-06	8.59E-08	7.04E-07	1.54E-06	8.27E-08	6.86E-07	1.48E-06	8.07E-08	6.61E-07	1.48E-06	7.80E-08	6.42E-07	1.43E-06
8,740	8.80E-08	7.15E-07	1.59E-06	8.59E-08	7.03E-07	1.54E-06	8.26E-08	6.86E-07	1.48E-06	8.06E-08	6.60E-07	1.48E-06	7.80E-08	6.42E-07	1.43E-06
8,741	8.80E-08	7.14E-07	1.59E-06	8.59E-08	7.03E-07	1.54E-06	8.26E-08	6.86E-07	1.48E-06	8.06E-08	6.59E-07	1.48E-06	7.80E-08	6.42E-07	1.43E-06
8,742	8.79E-08	7.14E-07	1.58E-06	8.58E-08	7.03E-07	1.54E-06	8.25E-08	6.85E-07	1.48E-06	8.06E-08	6.59E-07	1.48E-06	7.80E-08	6.41E-07	1.43E-06
8,743	8.79E-08	7.14E-07	1.58E-06	8.58E-08	7.03E-07	1.54E-06	8.25E-08	6.85E-07	1.48E-06	8.05E-08	6.58E-07	1.48E-06	7.79E-08	6.41E-07	1.43E-06
8,744	8.79E-08	7.14E-07	1.58E-06	8.57E-08	7.03E-07	1.54E-06	8.25E-08	6.85E-07	1.48E-06	8.05E-08	6.58E-07	1.48E-06	7.79E-08	6.39E-07	1.43E-06
8,745	8.78E-08	7.14E-07	1.58E-06	8.57E-08	7.03E-07	1.54E-06	8.25E-08	6.85E-07	1.48E-06	8.04E-08	6.58E-07	1.48E-06	7.79E-08	6.39E-07	1.43E-06
8,746	8.75E-08	7.14E-07	1.58E-06	8.57E-08	7.02E-07	1.53E-06	8.25E-08	6.85E-07	1.48E-06	8.03E-08	6.58E-07	1.47E-06	7.79E-08	6.39E-07	1.43E-06
8,747	8.75E-08	7.14E-07	1.58E-06	8.56E-08	7.02E-07	1.53E-06	8.24E-08	6.84E-07	1.47E-06	8.02E-08	6.58E-07	1.47E-06	7.78E-08	6.39E-07	1.43E-06
8,748	8.73E-08	7.13E-07	1.57E-06	8.56E-08	7.01E-07	1.53E-06	8.23E-08	6.84E-07	1.47E-06	8.02E-08	6.58E-07	1.47E-06	7.77E-08	6.38E-07	1.43E-06
8,749	8.71E-08	7.13E-07	1.57E-06	8.56E-08	7.01E-07	1.53E-06	8.21E-08	6.83E-07	1.47E-06	8.02E-08	6.57E-07	1.47E-06	7.77E-08	6.37E-07	1.43E-06
8,750	8.70E-08	7.12E-07	1.57E-06	8.55E-08	7.00E-07	1.53E-06	8.20E-08	6.83E-07	1.47E-06	8.02E-08	6.57E-07	1.47E-06	7.77E-08	6.37E-07	1.43E-06
8,751	8.70E-08	7.12E-07	1.57E-06	8.54E-08	7.00E-07	1.53E-06	8.20E-08	6.83E-07	1.47E-06	8.01E-08	6.57E-07	1.47E-06	7.77E-08	6.37E-07	1.43E-06
8,752	8.70E-08	7.12E-07	1.57E-06	8.54E-08	7.00E-07	1.53E-06	8.20E-08	6.82E-07	1.47E-06	8.00E-08	6.57E-07	1.47E-06	7.76E-08	6.37E-07	1.43E-06
8,753	8.70E-08	7.12E-07	1.57E-06	8.54E-08	7.00E-07	1.53E-06	8.19E-08	6.82E-07	1.47E-06	7.99E-08	6.56E-07	1.47E-06	7.75E-08	6.36E-07	1.43E-06
8,754	8.69E-08	7.12E-07	1.57E-06	8.54E-08	7.00E-07	1.53E-06	8.18E-08	6.81E-07	1.47E-06	7.99E-08	6.56E-07	1.47E-06	7.75E-08	6.36E-07	1.42E-06
8,755	8.69E-08	7.11E-07	1.57E-06	8.53E-08	7.00E-07	1.53E-06	8.18E-08	6.81E-07	1.47E-06	7.97E-08	6.55E-07	1.47E-06	7.72E-08	6.36E-07	1.42E-06
8,756	8.68E-08	7.11E-07	1.57E-06	8.53E-08	6.99E-07	1.53E-06	8.18E-08	6.81E-07	1.47E-06	7.97E-08	6.55E-07	1.47E-06	7.72E-08	6.35E-07	1.42E-06
8,757	8.68E-08	7.10E-07	1.57E-06	8.52E-08	6.99E-07	1.53E-06	8.16E-08	6.81E-07	1.47E-06	7.97E-08	6.55E-07	1.47E-06	7.72E-08	6.35E-07	1.42E-06
8,758	8.68E-08	7.09E-07	1.56E-06	8.52E-08	6.97E-07	1.53E-06	8.16E-08	6.81E-07	1.47E-06	7.97E-08	6.54E-07	1.46E-06	7.72E-08	6.34E-07	1.42E-06
8,759	8.68E-08	7.09E-07	1.56E-06	8.51E-08	6.97E-07	1.53E-06	8.16E-08	6.81E-07	1.46E-06	7.96E-08	6.54E-07	1.46E-06	7.72E-08	6.33E-07	1.42E-06
8,760	8.66E-08	7.09E-07	1.56E-06	8.50E-08	6.95E-07	1.53E-06	8.15E-08	6.81E-07	1.46E-06	7.96E-08	6.54E-07	1.46E-06	7.71E-08	6.33E-07	1.42E-06
8,761	8.65E-08	7.08E-07	1.56E-06	8.50E-08	6.95E-07	1.53E-06	8.15E-08	6.80E-07	1.46E-06	7.96E-08	6.54E-07	1.46E-06	7.71E-08	6.33E-07	1.42E-06
8,762	8.65E-08	7.08E-07	1.56E-06	8.50E-08	6.94E-07	1.53E-06	8.14E-08	6.79E-07	1.46E-06	7.96E-08	6.54E-07	1.46E-06	7.71E-08	6.30E-07	1.42E-06
8,763	8.64E-08	7.08E-07	1.56E-06	8.49E-08	6.93E-07	1.53E-06	8.14E-08	6.79E-07	1.46E-06	7.95E-08	6.53E-07	1.46E-06	7.71E-08	6.30E-07	1.42E-06
8,764	8.64E-08	7.08E-07	1.56E-06	8.49E-08	6.92E-07	1.52E-06	8.14E-08	6.78E-07	1.46E-06	7.95E-08	6.53E-07	1.46E-06	7.71E-08	6.30E-07	1.42E-06
8,765	8.63E-08	7.07E-07	1.56E-06	8.48E-08	6.92E-07	1.52E-06	8.14E-08	6.77E-07	1.46E-06	7.94E-08	6.52E-07	1.46E-06	7.71E-08	6.29E-07	1.41E-06
8,766	8.63E-08	7.07E-07	1.56E-06	8.48E-08	6.92E-07	1.52E-06	8.14E-08	6.77E-07	1.46E-06	7.94E-08	6.51E-07	1.46E-06	7.71E-08	6.28E-07	1.41E-06
8,767	8.63E-08	7.06E-07	1.55E-06	8.48E-08	6.91E-07	1.52E-06	8.13E-08	6.77E-07	1.46E-06	7.94E-08	6.51E-07	1.46E-06	7.70E-08	6.28E-07	1.41E-06
8,768	8.62E-08	7.06E-07	1.55E-06	8.46E-08	6.90E-07	1.52E-06	8.13E-08	6.77E-07	1.46E-06	7.94E-08	6.51E-07	1.45E-06	7.70E-08	6.28E-07	1.41E-06
8,769	8.62E-08	7.06E-07	1.55E-06	8.46E-08	6.90E-07	1.52E-06	8.13E-08	6.76E-07	1.45E-06	7.93E-08	6.50E-07	1.45E-06	7.70E-08	6.28E-07	1.41E-06
8,770	8.62E-08	7.06E-07	1.55E-06	8.46E-08	6.90E-07	1.52E-06	8.13E-08	6.76E-07	1.45E-06	7.93E-08	6.50E-07	1.45E-06	7.69E-08	6.25E-07	1.41E-06
8,771	8.61E-08	7.06E-07	1.55E-06	8.46E-08	6.89E-07	1.52E-06	8.13E-08	6.75E-07	1.45E-06	7.93E-08	6.50E-07	1.45E-06	7.69E-08	6.25E-07	1.41E-06
8,772	8.60E-08	7.05E-07	1.55E-06	8.46E-08	6.89E-07	1.52E-06	8.13E-08	6.75E-07	1.45E-06	7.92E-08	6.50E-07	1.45E-06	7.69E-08	6.25E-07	1.41E-06
8,773	8.60E-08	7.05E-07	1.55E-06	8.45E-08	6.89E-07	1.52E-06	8.12E-08	6.75E-07	1.45E-06	7.91E-08	6.49E-07	1.45E-06	7.68E-08	6.24E-07	1.41E-06
8,774	8.59E-08	7.05E-07	1.55E-06	8.45E-08	6.89E-07	1.52E-06	8.12E-08	6.75E-07	1.45E-06	7.91E-08	6.48E-07	1.45E-06	7.68E-08	6.24E-07	1.41E-06
8,775	8.59E-08	7.05E-07	1.55E-06	8.45E-08	6.89E-07	1.52E-06	8.12E-08	6.75E-07	1.45E-06	7.91E-08	6.47E-07	1.45E-06	7.68E-08	6.23E-07	1.41E-06
8,776	8.59E-08	7.03E-07	1.55E-06	8.45E-08	6.88E-07	1.52E-06	8.11E-08	6.75E-07	1.45E-06	7.90E-08	6.47E-07	1.45E-06	7.67E-08	6.23E-07	1.41E-06
8,777	8.59E-08	7.03E-07	1.55E-06	8.45E-08	6.88E-07	1.51E-06	8.10E-08	6.74E-07	1.45E-06	7.90E-08	6.46E-07	1.45E-06	7.67E-08	6.23E-07	1.40E-06
8,778	8.59E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,782	8.58E-08	7.01E-07	1.55E-06	8.42E-08	6.85E-07	1.51E-06	8.04E-08	6.73E-07	1.45E-06	7.88E-08	6.44E-07	1.45E-06	7.65E-08	6.22E-07	1.40E-06
8,783	8.58E-08	7.00E-07	1.55E-06	8.42E-08	6.85E-07	1.51E-06	8.04E-08	6.73E-07	1.45E-06	7.88E-08	6.44E-07	1.45E-06	7.65E-08	6.22E-07	1.40E-06
8,784	8.57E-08	7.00E-07	1.54E-06	8.40E-08	6.85E-07	1.51E-06	8.04E-08	6.72E-07	1.45E-06	7.87E-08	6.44E-07	1.44E-06	7.64E-08	6.21E-07	1.40E-06
8,785	8.57E-08	6.99E-07	1.54E-06	8.40E-08	6.83E-07	1.51E-06	8.04E-08	6.72E-07	1.44E-06	7.87E-08	6.43E-07	1.44E-06	7.64E-08	6.21E-07	1.40E-06
8,786	8.57E-08	6.98E-07	1.54E-06	8.40E-08	6.82E-07	1.50E-06	8.04E-08	6.72E-07	1.44E-06	7.87E-08	6.43E-07	1.44E-06	7.64E-08	6.21E-07	1.40E-06
8,787	8.56E-08	6.98E-07	1.54E-06	8.39E-08	6.82E-07	1.50E-06	8.03E-08	6.72E-07	1.44E-06	7.87E-08	6.43E-07	1.44E-06	7.64E-08	6.20E-07	1.39E-06
8,788	8.56E-08	6.98E-07	1.54E-06	8.39E-08	6.81E-07	1.50E-06	8.03E-08	6.72E-07	1.44E-06	7.86E-08	6.42E-07	1.44E-06	7.63E-08	6.20E-07	1.39E-06
8,789	8.54E-08	6.95E-07	1.54E-06	8.39E-08	6.81E-07	1.50E-06	8.02E-08	6.72E-07	1.44E-06	7.85E-08	6.40E-07	1.44E-06	7.63E-08	6.20E-07	1.39E-06
8,790	8.53E-08	6.95E-07	1.54E-06	8.38E-08	6.81E-07	1.50E-06	8.02E-08	6.72E-07	1.44E-06	7.85E-08	6.40E-07	1.44E-06	7.63E-08	6.20E-07	1.39E-06
8,791	8.53E-08	6.95E-07	1.54E-06	8.38E-08	6.80E-07	1.50E-06	8.02E-08	6.71E-07	1.44E-06	7.85E-08	6.39E-07	1.44E-06	7.63E-08	6.20E-07	1.39E-06
8,792	8.50E-08	6.94E-07	1.54E-06	8.37E-08	6.80E-07	1.50E-06	8.01E-08	6.71E-07	1.44E-06	7.84E-08	6.39E-07	1.44E-06	7.62E-08	6.19E-07	1.39E-06
8,793	8.49E-08	6.94E-07	1.54E-06	8.37E-08	6.79E-07	1.50E-06	8.01E-08	6.70E-07	1.44E-06	7.84E-08	6.39E-07	1.44E-06	7.62E-08	6.19E-07	1.39E-06
8,794	8.48E-08	6.92E-07	1.54E-06	8.37E-08	6.79E-07	1.50E-06	8.01E-08	6.70E-07	1.44E-06	7.82E-08	6.38E-07	1.44E-06	7.62E-08	6.19E-07	1.39E-06
8,795	8.47E-08	6.92E-07	1.54E-06	8.36E-08	6.79E-07	1.50E-06	8.00E-08	6.70E-07	1.44E-06	7.81E-08	6.37E-07	1.44E-06	7.62E-08	6.19E-07	1.39E-06
8,796	8.46E-08	6.92E-07	1.54E-06	8.36E-08	6.79E-07	1.50E-06	7.99E-08	6.69E-07	1.44E-06	7.81E-08	6.37E-07	1.44E-06	7.61E-08	6.18E-07	1.39E-06
8,797	8.46E-08	6.92E-07	1.54E-06	8.35E-08	6.79E-07	1.50E-06	7.98E-08	6.69E-07	1.44E-06	7.80E-08	6.36E-07	1.43E-06	7.61E-08	6.18E-07	1.39E-06
8,798	8.46E-08	6.92E-07	1.54E-06	8.35E-08	6.78E-07	1.50E-06	7.98E-08	6.69E-07	1.44E-06	7.80E-08	6.36E-07	1.43E-06	7.61E-08	6.18E-07	1.39E-06
8,799	8.45E-08	6.92E-07	1.53E-06	8.35E-08	6.77E-07	1.50E-06	7.97E-08	6.69E-07	1.44E-06	7.77E-08	6.36E-07	1.43E-06	7.60E-08	6.18E-07	1.39E-06
8,800	8.45E-08	6.91E-07	1.53E-06	8.34E-08	6.77E-07	1.50E-06	7.95E-08	6.69E-07	1.44E-06	7.77E-08	6.36E-07	1.43E-06	7.60E-08	6.17E-07	1.38E-06
8,801	8.45E-08	6.90E-07	1.53E-06	8.34E-08	6.77E-07	1.50E-06	7.94E-08	6.68E-07	1.43E-06	7.77E-08	6.35E-07	1.42E-06	7.60E-08	6.17E-07	1.38E-06
8,802	8.45E-08	6.90E-07	1.53E-06	8.34E-08	6.77E-07	1.50E-06	7.94E-08	6.68E-07	1.43E-06	7.76E-08	6.35E-07	1.42E-06	7.59E-08	6.17E-07	1.38E-06
8,803	8.44E-08	6.89E-07	1.53E-06	8.33E-08	6.77E-07	1.49E-06	7.94E-08	6.68E-07	1.43E-06	7.76E-08	6.35E-07	1.42E-06	7.59E-08	6.16E-07	1.38E-06
8,804	8.44E-08	6.88E-07	1.53E-06	8.33E-08	6.76E-07	1.49E-06	7.94E-08	6.68E-07	1.43E-06	7.76E-08	6.34E-07	1.42E-06	7.58E-08	6.16E-07	1.38E-06
8,805	8.44E-08	6.88E-07	1.53E-06	8.32E-08	6.76E-07	1.49E-06	7.94E-08	6.68E-07	1.43E-06	7.74E-08	6.34E-07	1.42E-06	7.58E-08	6.16E-07	1.38E-06
8,806	8.43E-08	6.88E-07	1.53E-06	8.31E-08	6.75E-07	1.49E-06	7.93E-08	6.68E-07	1.43E-06	7.73E-08	6.34E-07	1.42E-06	7.57E-08	6.16E-07	1.38E-06
8,807	8.43E-08	6.87E-07	1.53E-06	8.31E-08	6.75E-07	1.49E-06	7.93E-08	6.67E-07	1.43E-06	7.71E-08	6.32E-07	1.42E-06	7.57E-08	6.16E-07	1.38E-06
8,808	8.41E-08	6.87E-07	1.53E-06	8.31E-08	6.75E-07	1.49E-06	7.93E-08	6.66E-07	1.43E-06	7.71E-08	6.32E-07	1.42E-06	7.57E-08	6.15E-07	1.38E-06
8,809	8.41E-08	6.85E-07	1.53E-06	8.30E-08	6.75E-07	1.49E-06	7.92E-08	6.65E-07	1.43E-06	7.70E-08	6.32E-07	1.42E-06	7.56E-08	6.15E-07	1.38E-06
8,810	8.41E-08	6.85E-07	1.53E-06	8.28E-08	6.74E-07	1.49E-06	7.92E-08	6.65E-07	1.43E-06	7.70E-08	6.31E-07	1.42E-06	7.56E-08	6.15E-07	1.37E-06
8,811	8.41E-08	6.85E-07	1.53E-06	8.28E-08	6.73E-07	1.49E-06	7.92E-08	6.64E-07	1.43E-06	7.70E-08	6.31E-07	1.42E-06	7.56E-08	6.15E-07	1.37E-06
8,812	8.41E-08	6.85E-07	1.53E-06	8.28E-08	6.72E-07	1.49E-06	7.92E-08	6.64E-07	1.43E-06	7.69E-08	6.31E-07	1.42E-06	7.55E-08	6.15E-07	1.37E-06
8,813	8.40E-08	6.84E-07	1.52E-06	8.27E-08	6.72E-07	1.49E-06	7.91E-08	6.64E-07	1.43E-06	7.69E-08	6.31E-07	1.41E-06	7.55E-08	6.14E-07	1.37E-06
8,814	8.40E-08	6.84E-07	1.52E-06	8.27E-08	6.72E-07	1.49E-06	7.91E-08	6.64E-07	1.43E-06	7.67E-08	6.30E-07	1.41E-06	7.55E-08	6.14E-07	1.37E-06
8,815	8.40E-08	6.84E-07	1.52E-06	8.26E-08	6.72E-07	1.49E-06	7.90E-08	6.64E-07	1.42E-06	7.67E-08	6.30E-07	1.41E-06	7.55E-08	6.14E-07	1.37E-06
8,816	8.39E-08	6.83E-07	1.52E-06	8.26E-08	6.71E-07	1.49E-06	7.90E-08	6.63E-07	1.42E-06	7.66E-08	6.29E-07	1.41E-06	7.55E-08	6.13E-07	1.37E-06
8,817	8.37E-08	6.83E-07	1.52E-06	8.26E-08	6.69E-07	1.49E-06	7.89E-08	6.62E-07	1.42E-06	7.66E-08	6.29E-07	1.41E-06	7.54E-08	6.12E-07	1.37E-06
8,818	8.36E-08	6.83E-07	1.52E-06	8.26E-08	6.69E-07	1.49E-06	7.89E-08	6.62E-07	1.42E-06	7.66E-08	6.29E-07	1.41E-06	7.53E-08	6.12E-07	1.37E-06
8,819	8.35E-08	6.83E-07	1.52E-06	8.25E-08	6.69E-07	1.49E-06	7.89E-08	6.61E-07	1.42E-06	7.65E-08	6.29E-07	1.41E-06	7.53E-08	6.11E-07	1.37E-06
8,820	8.35E-08	6.82E-07	1.51E-06	8.23E-08	6.68E-07	1.49E-06	7.89E-08	6.61E-07	1.42E-06	7.65E-08	6.28E-07	1.41E-06	7.53E-08	6.11E-07	1.37E-06
8,821	8.35E-08	6.82E-07	1.51E-06	8.22E-08	6.68E-07	1.48E-06	7.88E-08	6.60E-07	1.42E-06	7.65E-08	6.28E-07	1.40E-06	7.52E-08	6.11E-07	1.37E-06
8,822	8.35E-08	6.82E-07	1.51E-06	8.22E-08	6.68E-07	1.48E-06	7.88E-08	6.60E-07	1.42E-06	7.63E-08	6.28E-07	1.40E-06	7.52E-08	6.11E-07	1.37E-06
8,823	8.34E-08	6.82E-07	1.51E-06	8.21E-08	6.67E-07	1.48E-06	7.87E-08	6.60E-07	1.42E-06	7.63E-08	6.27E-07	1.40E-06	7.52E-08	6.10E-07	1.37E-06
8,824	8.34E-08	6.82E-07	1.51E-06	8.19E-08	6.67E-07	1.48E-06	7.86E-08	6.60E-07	1.42E-06	7.63E-08	6.27E-07	1.40E-06	7.52E-08	6.10E-07	1.37E-06
8,825	8.32E-08	6.81E-07	1.51E-06	8.19E-08	6.67E-07	1.48E-06	7.86E-08	6.59E-07	1.42E-06	7.63E-08	6.27E-07	1.40E-06	7.52E-08	6.10E-07	1.37E-06
8,826	8.30E-08	6.81E-07	1.51E-06	8.18E-08	6.66E-07	1.48E-06	7.85E-08	6.59E-07	1.42E-06	7.63E-08	6.27E-07	1.40E-06	7.52E-08	6.10E-07	1.37E-06
8,827	8.30E-08	6.81E-07	1.51E-06	8.18E-08	6.66E-07	1.48E-06	7.85E-08	6.58E-07	1.42E-06	7.62E-08	6.27E-07	1.40E-06	7.51E-08	6.10E-07	1.37E-06
8,828	8.30E-08	6.80E-07	1.51E-06	8.18E-08	6.66E-07	1.48E-06	7.84E-08	6.58E-07	1.42E-06	7.62E-08	6.26E-07	1.40E-06	7.51E-08	6.08E-07	1.36E-06
8,829	8.30E-08	6.80E-07	1.51E-06	8.17E-08	6.66E-07	1.48E-06	7.82E-08	6.58E-07	1.42E-06	7.61E-08	6.26E-07	1.40E-06	7.51E-08	6.07E-07	1.36E-06
8,830	8.30E-08	6.80E-07	1.51E-06	8.17E-08	6.65E-07	1.48E-06	7.82E-08	6.58E-07	1.42E-06	7.61E-08	6.26E-07	1.40E-06	7.50E-08	6.07E-07	1.36E-06
8,831	8.28E-08	6.80E-07	1.51E-06	8.16E-08	6.65E-07	1.48E-06	7.81E-08	6.58E-07	1.41E-06	7.60E-08	6.25E-07	1.40E-06	7.50E-08	6.06E-07	1.36E-06
8,832	8.28E-08	6.80E-07	1.51E-06	8.16E-08	6.65E-07	1.48E-06	7.81E-08	6.57E-07	1.41E-06	7.60E-08	6.25E-07	1.40E-06	7.50E-08	6.06E-07	1.36E-06
8,833	8.27E-08	6.80E-07	1.51E-06	8.16E-08	6.64E-07	1.48E-06	7.79E-08	6.57E-07	1.41E-06	7.59E-08	6.25E-07	1.40E-06	7.50E-08	6.06E-07	1.36E-06
8,834	8.27E-08	6.79E-07	1.51E-06	8.15E-08	6.64E-07	1.48E-06	7.79E-08	6.56E-07	1.41E-06	7.59E-08	6.24E-07	1.39E-06	7.49E-08	6.06E-07	1.36E-06
8,835	8.27E-08	6.78E-07	1.51E-06	8.15E-08	6.64E-07	1.48E-06	7.79E-08	6.56E-07	1.41E-06	7.58E-08	6.24E-07	1.39E-06	7.49E-08	6.06E-07	1.36E-06
8,836	8.25E-08	6.78E-07	1.51E-06	8.15E-08	6.64E-07	1.48E-06	7.79E-08	6.56E-07	1.41E-06	7.57E-08	6.23E-07	1.39E-06	7.48E-08	6.05E-07	1.36E-06
8,837	8.25E-08	6.76E-07	1.51E-06	8.15E-08	6.64E-07	1.47E-06	7.79E-08	6.56E-07	1.41E-06	7.56E-08	6.23E-07	1.39E-06	7.48E-08	6.05E-07	1.36E-06
8,838	8.24E-08	6.76E-07	1.51E-06	8.14E-08	6.64E-07	1.47E-06	7.79E-08	6.56E-07	1.41E-06	7.55E-08	6.23E-07	1.39E-06	7.47E-08	6.05E-07	1.36E-06
8,839	8.24E-08	6.76E-07	1.50E-06	8.14E-08	6.64E-07	1.47E-06	7.79E-08	6.56E-07	1.41E-06	7.55E-08	6.23E-07	1.39E-06	7.46E-08	6.05E-07	1.36E-06
8,840	8.24E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,844	8.22E-08	6.75E-07	1.50E-06	8.08E-08	6.63E-07	1.47E-06	7.77E-08	6.54E-07	1.40E-06	7.53E-08	6.22E-07	1.39E-06	7.40E-08	6.03E-07	1.35E-06
8,845	8.20E-08	6.74E-07	1.50E-06	8.08E-08	6.62E-07	1.47E-06	7.76E-08	6.54E-07	1.40E-06	7.52E-08	6.22E-07	1.38E-06	7.40E-08	6.02E-07	1.35E-06
8,846	8.20E-08	6.73E-07	1.50E-06	8.07E-08	6.62E-07	1.47E-06	7.75E-08	6.53E-07	1.40E-06	7.52E-08	6.21E-07	1.38E-06	7.38E-08	6.02E-07	1.35E-06
8,847	8.19E-08	6.72E-07	1.50E-06	8.06E-08	6.62E-07	1.46E-06	7.75E-08	6.53E-07	1.40E-06	7.52E-08	6.21E-07	1.38E-06	7.38E-08	6.02E-07	1.35E-06
8,848	8.19E-08	6.72E-07	1.50E-06	8.06E-08	6.61E-07	1.46E-06	7.75E-08	6.53E-07	1.40E-06	7.51E-08	6.21E-07	1.38E-06	7.38E-08	6.01E-07	1.35E-06
8,849	8.18E-08	6.72E-07	1.50E-06	8.06E-08	6.60E-07	1.46E-06	7.73E-08	6.52E-07	1.40E-06	7.51E-08	6.21E-07	1.38E-06	7.37E-08	6.01E-07	1.35E-06
8,850	8.18E-08	6.71E-07	1.50E-06	8.06E-08	6.60E-07	1.46E-06	7.73E-08	6.52E-07	1.40E-06	7.51E-08	6.21E-07	1.38E-06	7.37E-08	6.01E-07	1.35E-06
8,851	8.18E-08	6.70E-07	1.50E-06	8.06E-08	6.60E-07	1.46E-06	7.72E-08	6.51E-07	1.39E-06	7.51E-08	6.21E-07	1.38E-06	7.37E-08	6.00E-07	1.35E-06
8,852	8.17E-08	6.70E-07	1.49E-06	8.04E-08	6.59E-07	1.46E-06	7.71E-08	6.49E-07	1.39E-06	7.50E-08	6.20E-07	1.38E-06	7.37E-08	6.00E-07	1.34E-06
8,853	8.17E-08	6.70E-07	1.49E-06	8.04E-08	6.59E-07	1.45E-06	7.70E-08	6.47E-07	1.39E-06	7.50E-08	6.20E-07	1.38E-06	7.36E-08	6.00E-07	1.34E-06
8,854	8.17E-08	6.69E-07	1.49E-06	8.04E-08	6.59E-07	1.45E-06	7.70E-08	6.46E-07	1.39E-06	7.50E-08	6.20E-07	1.38E-06	7.36E-08	5.99E-07	1.34E-06
8,855	8.17E-08	6.69E-07	1.49E-06	8.04E-08	6.58E-07	1.45E-06	7.69E-08	6.46E-07	1.39E-06	7.50E-08	6.20E-07	1.38E-06	7.35E-08	5.99E-07	1.34E-06
8,856	8.16E-08	6.69E-07	1.49E-06	8.03E-08	6.58E-07	1.45E-06	7.68E-08	6.45E-07	1.39E-06	7.50E-08	6.20E-07	1.37E-06	7.35E-08	5.99E-07	1.34E-06
8,857	8.16E-08	6.68E-07	1.49E-06	8.02E-08	6.58E-07	1.45E-06	7.68E-08	6.45E-07	1.39E-06	7.50E-08	6.19E-07	1.37E-06	7.35E-08	5.99E-07	1.34E-06
8,858	8.16E-08	6.68E-07	1.49E-06	8.02E-08	6.57E-07	1.45E-06	7.66E-08	6.45E-07	1.39E-06	7.49E-08	6.18E-07	1.37E-06	7.34E-08	5.98E-07	1.34E-06
8,859	8.16E-08	6.68E-07	1.49E-06	8.02E-08	6.57E-07	1.45E-06	7.66E-08	6.44E-07	1.39E-06	7.49E-08	6.18E-07	1.37E-06	7.34E-08	5.98E-07	1.34E-06
8,860	8.16E-08	6.68E-07	1.48E-06	8.02E-08	6.57E-07	1.45E-06	7.65E-08	6.44E-07	1.39E-06	7.49E-08	6.18E-07	1.37E-06	7.34E-08	5.98E-07	1.34E-06
8,861	8.15E-08	6.67E-07	1.48E-06	8.02E-08	6.57E-07	1.45E-06	7.65E-08	6.43E-07	1.39E-06	7.48E-08	6.18E-07	1.37E-06	7.34E-08	5.97E-07	1.34E-06
8,862	8.15E-08	6.67E-07	1.48E-06	8.00E-08	6.56E-07	1.45E-06	7.64E-08	6.43E-07	1.38E-06	7.47E-08	6.17E-07	1.37E-06	7.34E-08	5.97E-07	1.34E-06
8,863	8.15E-08	6.67E-07	1.48E-06	8.00E-08	6.55E-07	1.45E-06	7.63E-08	6.42E-07	1.38E-06	7.46E-08	6.17E-07	1.37E-06	7.34E-08	5.97E-07	1.34E-06
8,864	8.14E-08	6.66E-07	1.48E-06	8.00E-08	6.55E-07	1.44E-06	7.63E-08	6.42E-07	1.38E-06	7.45E-08	6.17E-07	1.37E-06	7.33E-08	5.97E-07	1.34E-06
8,865	8.14E-08	6.65E-07	1.48E-06	7.99E-08	6.54E-07	1.44E-06	7.63E-08	6.41E-07	1.38E-06	7.45E-08	6.17E-07	1.37E-06	7.31E-08	5.97E-07	1.34E-06
8,866	8.14E-08	6.65E-07	1.48E-06	7.99E-08	6.54E-07	1.44E-06	7.62E-08	6.41E-07	1.38E-06	7.45E-08	6.16E-07	1.37E-06	7.31E-08	5.96E-07	1.34E-06
8,867	8.13E-08	6.65E-07	1.47E-06	7.98E-08	6.54E-07	1.44E-06	7.61E-08	6.41E-07	1.38E-06	7.45E-08	6.16E-07	1.36E-06	7.31E-08	5.96E-07	1.34E-06
8,868	8.13E-08	6.65E-07	1.47E-06	7.98E-08	6.53E-07	1.44E-06	7.61E-08	6.41E-07	1.38E-06	7.45E-08	6.15E-07	1.36E-06	7.30E-08	5.96E-07	1.34E-06
8,869	8.12E-08	6.64E-07	1.47E-06	7.98E-08	6.53E-07	1.44E-06	7.60E-08	6.40E-07	1.38E-06	7.43E-08	6.14E-07	1.36E-06	7.30E-08	5.96E-07	1.33E-06
8,870	8.12E-08	6.63E-07	1.47E-06	7.97E-08	6.53E-07	1.44E-06	7.59E-08	6.39E-07	1.38E-06	7.43E-08	6.14E-07	1.36E-06	7.29E-08	5.96E-07	1.33E-06
8,871	8.11E-08	6.62E-07	1.47E-06	7.97E-08	6.53E-07	1.44E-06	7.59E-08	6.39E-07	1.37E-06	7.42E-08	6.14E-07	1.36E-06	7.29E-08	5.95E-07	1.33E-06
8,872	8.11E-08	6.62E-07	1.47E-06	7.95E-08	6.53E-07	1.43E-06	7.58E-08	6.37E-07	1.37E-06	7.41E-08	6.13E-07	1.36E-06	7.28E-08	5.95E-07	1.33E-06
8,873	8.11E-08	6.62E-07	1.47E-06	7.94E-08	6.53E-07	1.43E-06	7.58E-08	6.36E-07	1.37E-06	7.40E-08	6.13E-07	1.36E-06	7.27E-08	5.94E-07	1.33E-06
8,874	8.10E-08	6.62E-07	1.47E-06	7.93E-08	6.52E-07	1.43E-06	7.57E-08	6.36E-07	1.37E-06	7.40E-08	6.13E-07	1.36E-06	7.27E-08	5.93E-07	1.33E-06
8,875	8.10E-08	6.61E-07	1.47E-06	7.93E-08	6.52E-07	1.43E-06	7.57E-08	6.36E-07	1.37E-06	7.40E-08	6.13E-07	1.36E-06	7.26E-08	5.93E-07	1.33E-06
8,876	8.10E-08	6.61E-07	1.47E-06	7.92E-08	6.52E-07	1.43E-06	7.56E-08	6.36E-07	1.37E-06	7.40E-08	6.13E-07	1.36E-06	7.25E-08	5.93E-07	1.33E-06
8,877	8.08E-08	6.61E-07	1.47E-06	7.92E-08	6.52E-07	1.43E-06	7.56E-08	6.35E-07	1.37E-06	7.39E-08	6.12E-07	1.36E-06	7.24E-08	5.92E-07	1.33E-06
8,878	8.08E-08	6.61E-07	1.47E-06	7.92E-08	6.51E-07	1.43E-06	7.56E-08	6.35E-07	1.37E-06	7.39E-08	6.12E-07	1.36E-06	7.24E-08	5.92E-07	1.33E-06
8,879	8.08E-08	6.60E-07	1.47E-06	7.91E-08	6.51E-07	1.43E-06	7.56E-08	6.35E-07	1.37E-06	7.38E-08	6.12E-07	1.36E-06	7.24E-08	5.92E-07	1.33E-06
8,880	8.07E-08	6.60E-07	1.47E-06	7.91E-08	6.51E-07	1.43E-06	7.56E-08	6.34E-07	1.37E-06	7.38E-08	6.11E-07	1.36E-06	7.24E-08	5.91E-07	1.33E-06
8,881	8.06E-08	6.60E-07	1.47E-06	7.90E-08	6.51E-07	1.43E-06	7.55E-08	6.32E-07	1.37E-06	7.37E-08	6.11E-07	1.36E-06	7.24E-08	5.91E-07	1.33E-06
8,882	8.05E-08	6.60E-07	1.47E-06	7.90E-08	6.51E-07	1.43E-06	7.55E-08	6.32E-07	1.36E-06	7.36E-08	6.10E-07	1.36E-06	7.23E-08	5.91E-07	1.32E-06
8,883	8.05E-08	6.59E-07	1.46E-06	7.90E-08	6.50E-07	1.43E-06	7.54E-08	6.32E-07	1.36E-06	7.36E-08	6.10E-07	1.35E-06	7.23E-08	5.90E-07	1.32E-06
8,884	8.04E-08	6.59E-07	1.46E-06	7.88E-08	6.50E-07	1.43E-06	7.54E-08	6.31E-07	1.36E-06	7.35E-08	6.10E-07	1.35E-06	7.23E-08	5.90E-07	1.32E-06
8,885	8.04E-08	6.59E-07	1.46E-06	7.88E-08	6.49E-07	1.43E-06	7.54E-08	6.31E-07	1.36E-06	7.35E-08	6.10E-07	1.35E-06	7.20E-08	5.90E-07	1.32E-06
8,886	8.04E-08	6.59E-07	1.46E-06	7.88E-08	6.49E-07	1.43E-06	7.54E-08	6.30E-07	1.36E-06	7.35E-08	6.10E-07	1.35E-06	7.19E-08	5.89E-07	1.32E-06
8,887	8.04E-08	6.58E-07	1.46E-06	7.88E-08	6.48E-07	1.43E-06	7.52E-08	6.29E-07	1.36E-06	7.35E-08	6.09E-07	1.35E-06	7.19E-08	5.89E-07	1.32E-06
8,888	8.04E-08	6.58E-07	1.45E-06	7.87E-08	6.48E-07	1.42E-06	7.52E-08	6.29E-07	1.36E-06	7.34E-08	6.09E-07	1.35E-06	7.19E-08	5.89E-07	1.32E-06
8,889	8.03E-08	6.57E-07	1.45E-06	7.87E-08	6.48E-07	1.42E-06	7.51E-08	6.28E-07	1.36E-06	7.34E-08	6.08E-07	1.35E-06	7.18E-08	5.88E-07	1.32E-06
8,890	8.03E-08	6.57E-07	1.45E-06	7.87E-08	6.47E-07	1.42E-06	7.51E-08	6.28E-07	1.36E-06	7.33E-08	6.08E-07	1.35E-06	7.18E-08	5.88E-07	1.32E-06
8,891	8.02E-08	6.57E-07	1.45E-06	7.87E-08	6.47E-07	1.42E-06	7.50E-08	6.28E-07	1.36E-06	7.33E-08	6.08E-07	1.35E-06	7.18E-08	5.87E-07	1.32E-06
8,892	8.02E-08	6.56E-07	1.45E-06	7.86E-08	6.46E-07	1.42E-06	7.50E-08	6.27E-07	1.36E-06	7.33E-08	6.08E-07	1.35E-06	7.17E-08	5.87E-07	1.31E-06
8,893	8.01E-08	6.56E-07	1.45E-06	7.86E-08	6.45E-07	1.42E-06	7.50E-08	6.27E-07	1.36E-06	7.32E-08	6.07E-07	1.35E-06	7.17E-08	5.87E-07	1.31E-06
8,894	8.01E-08	6.55E-07	1.45E-06	7.86E-08	6.45E-07	1.42E-06	7.49E-08	6.27E-07	1.36E-06	7.32E-08	6.07E-07	1.35E-06	7.14E-08	5.87E-07	1.31E-06
8,895	8.00E-08	6.55E-07	1.45E-06	7.85E-08	6.45E-07	1.42E-06	7.49E-08	6.26E-07	1.36E-06	7.31E-08	6.07E-07	1.35E-06	7.13E-08	5.87E-07	1.31E-06
8,896	7.99E-08	6.54E-07	1.45E-06	7.85E-08	6.44E-07	1.41E-06	7.48E-08	6.26E-07	1.35E-06	7.31E-08	6.07E-07	1.35E-06	7.12E-08	5.86E-07	1.31E-06
8,897	7.99E-08	6.54E-07	1.45E-06	7.85E-08	6.44E-07	1.41E-06	7.48E-08	6.26E-07	1.35E-06	7.30E-08	6.06E-07	1.34E-06	7.11E-08	5.86E-07	1.31E-06
8,898	7.99E-08	6.54E-07	1.44E-06	7.84E-08	6.42E-07	1.41E-06	7.48E-08	6.26E-07	1.35E-06	7.29E-08	6.06E-07	1.34E-06	7.11E-08	5.85E-07	1.31E-06
8,899	7.99E-08	6.53E-07	1.44E-06	7.83E-08	6.42E-07	1.41E-06	7.47E-08	6.25E-07	1.35E-06	7.28E-08	6.05E-07	1.34E-06	7.11E-08	5.84E-07	1.31E-06
8,900	7.97E-08	6.52E-07	1.44E-06	7.83E-08	6.41E-07	1.41E-06	7.47E-08	6.25E-07	1.35E-06	7.28E-08	6.04E-07	1.34E-06	7.11E-08	5.84E-07	1.31E-06
8,901	7.96E-08	6.52E-07	1.44E-06	7.82E-08	6.41E-07	1.41E-06	7.46E-08	6.25E-07	1.35E-06	7.27E-08	6.04E-07	1.34E-06	7.11E-08	5.84E-07	1.31E-06
8,902	7.95E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,906	7.94E-08	6.51E-07	1.44E-06	7.80E-08	6.39E-07	1.40E-06	7.44E-08	6.23E-07	1.35E-06	7.26E-08	6.02E-07	1.34E-06	7.09E-08	5.82E-07	1.30E-06
8,907	7.94E-08	6.50E-07	1.44E-06	7.80E-08	6.39E-07	1.40E-06	7.44E-08	6.22E-07	1.35E-06	7.26E-08	6.02E-07	1.34E-06	7.08E-08	5.81E-07	1.30E-06
8,908	7.94E-08	6.50E-07	1.43E-06	7.80E-08	6.39E-07	1.40E-06	7.43E-08	6.22E-07	1.35E-06	7.26E-08	6.02E-07	1.34E-06	7.08E-08	5.81E-07	1.30E-06
8,909	7.94E-08	6.50E-07	1.43E-06	7.80E-08	6.39E-07	1.40E-06	7.43E-08	6.21E-07	1.35E-06	7.25E-08	6.01E-07	1.34E-06	7.08E-08	5.81E-07	1.30E-06
8,910	7.93E-08	6.50E-07	1.43E-06	7.79E-08	6.38E-07	1.39E-06	7.42E-08	6.20E-07	1.35E-06	7.25E-08	6.01E-07	1.33E-06	7.07E-08	5.81E-07	1.30E-06
8,911	7.93E-08	6.50E-07	1.43E-06	7.79E-08	6.35E-07	1.39E-06	7.42E-08	6.20E-07	1.35E-06	7.25E-08	6.01E-07	1.33E-06	7.07E-08	5.81E-07	1.30E-06
8,912	7.92E-08	6.50E-07	1.43E-06	7.79E-08	6.34E-07	1.39E-06	7.41E-08	6.20E-07	1.35E-06	7.24E-08	6.01E-07	1.33E-06	7.04E-08	5.80E-07	1.29E-06
8,913	7.92E-08	6.49E-07	1.43E-06	7.79E-08	6.33E-07	1.39E-06	7.40E-08	6.20E-07	1.35E-06	7.22E-08	6.01E-07	1.33E-06	7.04E-08	5.80E-07	1.29E-06
8,914	7.92E-08	6.49E-07	1.43E-06	7.79E-08	6.33E-07	1.39E-06	7.40E-08	6.20E-07	1.34E-06	7.22E-08	6.01E-07	1.33E-06	7.03E-08	5.80E-07	1.29E-06
8,915	7.91E-08	6.48E-07	1.43E-06	7.78E-08	6.33E-07	1.39E-06	7.40E-08	6.19E-07	1.34E-06	7.21E-08	6.00E-07	1.33E-06	7.02E-08	5.79E-07	1.29E-06
8,916	7.90E-08	6.46E-07	1.43E-06	7.78E-08	6.33E-07	1.39E-06	7.40E-08	6.19E-07	1.34E-06	7.21E-08	6.00E-07	1.33E-06	7.01E-08	5.78E-07	1.29E-06
8,917	7.88E-08	6.46E-07	1.43E-06	7.78E-08	6.32E-07	1.39E-06	7.40E-08	6.19E-07	1.34E-06	7.20E-08	6.00E-07	1.33E-06	7.01E-08	5.78E-07	1.29E-06
8,918	7.88E-08	6.46E-07	1.43E-06	7.78E-08	6.31E-07	1.39E-06	7.39E-08	6.19E-07	1.34E-06	7.20E-08	6.00E-07	1.33E-06	7.01E-08	5.77E-07	1.29E-06
8,919	7.87E-08	6.45E-07	1.43E-06	7.78E-08	6.31E-07	1.39E-06	7.39E-08	6.18E-07	1.34E-06	7.20E-08	6.00E-07	1.33E-06	7.01E-08	5.77E-07	1.29E-06
8,920	7.87E-08	6.45E-07	1.43E-06	7.77E-08	6.31E-07	1.39E-06	7.39E-08	6.18E-07	1.34E-06	7.20E-08	6.00E-07	1.33E-06	7.00E-08	5.76E-07	1.29E-06
8,921	7.87E-08	6.45E-07	1.42E-06	7.77E-08	6.31E-07	1.39E-06	7.38E-08	6.18E-07	1.34E-06	7.19E-08	5.99E-07	1.33E-06	6.99E-08	5.76E-07	1.29E-06
8,922	7.85E-08	6.45E-07	1.42E-06	7.76E-08	6.30E-07	1.39E-06	7.37E-08	6.15E-07	1.34E-06	7.19E-08	5.99E-07	1.32E-06	6.99E-08	5.76E-07	1.29E-06
8,923	7.85E-08	6.44E-07	1.42E-06	7.75E-08	6.29E-07	1.39E-06	7.36E-08	6.15E-07	1.34E-06	7.19E-08	5.99E-07	1.32E-06	6.98E-08	5.75E-07	1.29E-06
8,924	7.85E-08	6.44E-07	1.42E-06	7.74E-08	6.29E-07	1.38E-06	7.36E-08	6.15E-07	1.34E-06	7.18E-08	5.98E-07	1.32E-06	6.98E-08	5.75E-07	1.29E-06
8,925	7.85E-08	6.44E-07	1.42E-06	7.74E-08	6.29E-07	1.38E-06	7.35E-08	6.14E-07	1.34E-06	7.18E-08	5.98E-07	1.32E-06	6.98E-08	5.75E-07	1.29E-06
8,926	7.84E-08	6.44E-07	1.42E-06	7.73E-08	6.29E-07	1.38E-06	7.35E-08	6.14E-07	1.33E-06	7.17E-08	5.98E-07	1.32E-06	6.97E-08	5.75E-07	1.29E-06
8,927	7.84E-08	6.43E-07	1.42E-06	7.72E-08	6.29E-07	1.38E-06	7.33E-08	6.14E-07	1.33E-06	7.17E-08	5.97E-07	1.32E-06	6.97E-08	5.75E-07	1.29E-06
8,928	7.83E-08	6.43E-07	1.42E-06	7.72E-08	6.29E-07	1.38E-06	7.32E-08	6.13E-07	1.33E-06	7.16E-08	5.97E-07	1.32E-06	6.97E-08	5.75E-07	1.29E-06
8,929	7.83E-08	6.43E-07	1.42E-06	7.72E-08	6.28E-07	1.38E-06	7.32E-08	6.13E-07	1.33E-06	7.16E-08	5.97E-07	1.32E-06	6.96E-08	5.75E-07	1.28E-06
8,930	7.83E-08	6.43E-07	1.42E-06	7.72E-08	6.28E-07	1.38E-06	7.32E-08	6.12E-07	1.33E-06	7.15E-08	5.97E-07	1.32E-06	6.96E-08	5.74E-07	1.28E-06
8,931	7.83E-08	6.43E-07	1.42E-06	7.71E-08	6.28E-07	1.38E-06	7.31E-08	6.12E-07	1.33E-06	7.15E-08	5.97E-07	1.32E-06	6.95E-08	5.74E-07	1.28E-06
8,932	7.81E-08	6.42E-07	1.42E-06	7.71E-08	6.27E-07	1.38E-06	7.31E-08	6.12E-07	1.33E-06	7.15E-08	5.96E-07	1.32E-06	6.95E-08	5.73E-07	1.28E-06
8,933	7.80E-08	6.41E-07	1.42E-06	7.71E-08	6.27E-07	1.38E-06	7.31E-08	6.12E-07	1.33E-06	7.15E-08	5.96E-07	1.32E-06	6.94E-08	5.72E-07	1.28E-06
8,934	7.80E-08	6.41E-07	1.42E-06	7.69E-08	6.27E-07	1.37E-06	7.31E-08	6.11E-07	1.33E-06	7.15E-08	5.95E-07	1.32E-06	6.94E-08	5.72E-07	1.28E-06
8,935	7.80E-08	6.40E-07	1.42E-06	7.69E-08	6.27E-07	1.37E-06	7.31E-08	6.11E-07	1.33E-06	7.14E-08	5.95E-07	1.32E-06	6.93E-08	5.72E-07	1.28E-06
8,936	7.80E-08	6.40E-07	1.42E-06	7.69E-08	6.27E-07	1.37E-06	7.31E-08	6.11E-07	1.32E-06	7.13E-08	5.94E-07	1.32E-06	6.92E-08	5.72E-07	1.28E-06
8,937	7.79E-08	6.40E-07	1.41E-06	7.69E-08	6.26E-07	1.37E-06	7.30E-08	6.11E-07	1.32E-06	7.12E-08	5.94E-07	1.32E-06	6.92E-08	5.72E-07	1.28E-06
8,938	7.78E-08	6.40E-07	1.41E-06	7.68E-08	6.26E-07	1.37E-06	7.30E-08	6.10E-07	1.32E-06	7.11E-08	5.93E-07	1.32E-06	6.91E-08	5.71E-07	1.28E-06
8,939	7.77E-08	6.40E-07	1.41E-06	7.67E-08	6.26E-07	1.37E-06	7.30E-08	6.10E-07	1.32E-06	7.10E-08	5.93E-07	1.32E-06	6.91E-08	5.71E-07	1.28E-06
8,940	7.77E-08	6.40E-07	1.41E-06	7.67E-08	6.26E-07	1.37E-06	7.30E-08	6.10E-07	1.32E-06	7.08E-08	5.92E-07	1.32E-06	6.91E-08	5.71E-07	1.28E-06
8,941	7.77E-08	6.39E-07	1.41E-06	7.66E-08	6.26E-07	1.37E-06	7.29E-08	6.10E-07	1.32E-06	7.08E-08	5.92E-07	1.32E-06	6.91E-08	5.70E-07	1.28E-06
8,942	7.74E-08	6.39E-07	1.41E-06	7.66E-08	6.24E-07	1.37E-06	7.29E-08	6.09E-07	1.32E-06	7.07E-08	5.91E-07	1.32E-06	6.91E-08	5.70E-07	1.28E-06
8,943	7.74E-08	6.39E-07	1.41E-06	7.66E-08	6.24E-07	1.37E-06	7.29E-08	6.09E-07	1.32E-06	7.07E-08	5.91E-07	1.31E-06	6.90E-08	5.69E-07	1.27E-06
8,944	7.73E-08	6.39E-07	1.41E-06	7.66E-08	6.23E-07	1.37E-06	7.28E-08	6.09E-07	1.32E-06	7.07E-08	5.90E-07	1.31E-06	6.90E-08	5.69E-07	1.27E-06
8,945	7.73E-08	6.38E-07	1.40E-06	7.66E-08	6.22E-07	1.36E-06	7.27E-08	6.09E-07	1.32E-06	7.07E-08	5.90E-07	1.31E-06	6.89E-08	5.69E-07	1.27E-06
8,946	7.72E-08	6.38E-07	1.40E-06	7.65E-08	6.22E-07	1.36E-06	7.27E-08	6.08E-07	1.32E-06	7.06E-08	5.90E-07	1.31E-06	6.89E-08	5.69E-07	1.27E-06
8,947	7.72E-08	6.38E-07	1.40E-06	7.65E-08	6.22E-07	1.36E-06	7.26E-08	6.08E-07	1.32E-06	7.06E-08	5.90E-07	1.31E-06	6.88E-08	5.69E-07	1.27E-06
8,948	7.72E-08	6.36E-07	1.40E-06	7.64E-08	6.21E-07	1.36E-06	7.26E-08	6.08E-07	1.32E-06	7.06E-08	5.89E-07	1.31E-06	6.88E-08	5.68E-07	1.27E-06
8,949	7.72E-08	6.36E-07	1.40E-06	7.64E-08	6.21E-07	1.36E-06	7.25E-08	6.07E-07	1.32E-06	7.06E-08	5.89E-07	1.31E-06	6.88E-08	5.68E-07	1.27E-06
8,950	7.72E-08	6.35E-07	1.40E-06	7.64E-08	6.21E-07	1.36E-06	7.25E-08	6.06E-07	1.32E-06	7.06E-08	5.89E-07	1.31E-06	6.87E-08	5.68E-07	1.27E-06
8,951	7.71E-08	6.35E-07	1.40E-06	7.64E-08	6.21E-07	1.36E-06	7.24E-08	6.06E-07	1.32E-06	7.05E-08	5.88E-07	1.31E-06	6.86E-08	5.67E-07	1.27E-06
8,952	7.71E-08	6.35E-07	1.40E-06	7.64E-08	6.21E-07	1.36E-06	7.24E-08	6.05E-07	1.32E-06	7.05E-08	5.88E-07	1.31E-06	6.86E-08	5.67E-07	1.27E-06
8,953	7.70E-08	6.34E-07	1.40E-06	7.64E-08	6.20E-07	1.35E-06	7.23E-08	6.05E-07	1.32E-06	7.05E-08	5.87E-07	1.31E-06	6.84E-08	5.67E-07	1.27E-06
8,954	7.70E-08	6.34E-07	1.40E-06	7.63E-08	6.19E-07	1.35E-06	7.23E-08	6.05E-07	1.32E-06	7.05E-08	5.87E-07	1.31E-06	6.83E-08	5.63E-07	1.27E-06
8,955	7.70E-08	6.33E-07	1.40E-06	7.63E-08	6.19E-07	1.35E-06	7.23E-08	6.05E-07	1.32E-06	7.04E-08	5.87E-07	1.31E-06	6.83E-08	5.63E-07	1.26E-06
8,956	7.70E-08	6.33E-07	1.40E-06	7.62E-08	6.19E-07	1.35E-06	7.23E-08	6.05E-07	1.31E-06	7.04E-08	5.86E-07	1.30E-06	6.81E-08	5.62E-07	1.26E-06
8,957	7.69E-08	6.33E-07	1.40E-06	7.61E-08	6.18E-07	1.35E-06	7.22E-08	6.05E-07	1.31E-06	7.03E-08	5.86E-07	1.30E-06	6.80E-08	5.62E-07	1.26E-06
8,958	7.69E-08	6.33E-07	1.40E-06	7.59E-08	6.17E-07	1.35E-06	7.22E-08	6.04E-07	1.31E-06	7.03E-08	5.86E-07	1.30E-06	6.80E-08	5.61E-07	1.26E-06
8,959	7.66E-08	6.32E-07	1.40E-06	7.58E-08	6.17E-07	1.35E-06	7.21E-08	6.04E-07	1.31E-06	7.03E-08	5.86E-07	1.30E-06	6.80E-08	5.61E-07	1.26E-06
8,960	7.66E-08	6.31E-07	1.40E-06	7.58E-08	6.17E-07	1.35E-06	7.21E-08	6.04E-07	1.31E-06	7.02E-08	5.86E-07	1.30E-06	6.80E-08	5.61E-07	1.26E-06
8,961	7.65E-08	6.30E-07	1.40E-06	7.57E-08	6.16E-07	1.35E-06	7.20E-08	6.04E-07	1.31E-06	7.02E-08	5.86E-07	1.30E-06	6.80E-08	5.60E-07	1.26E-06
8,962	7.65E-08	6.30E-07	1.39E-06	7.57E-08	6.15E-07	1.35E-06	7.19E-08	6.04E-07	1.31E-06	7.01E-08	5.85E-07	1.30E-06	6.80E-08	5.60E-07	1.26E-06
8,963	7.65E-08	6.30E-07	1.39E-06	7.57E-08	6.15E-07	1.35E-06	7.19E-08	6.03E-07	1.31E-06	7.00E-08	5.85E-07	1.30E-06	6.79E-08	5.60E-07	1.26E-06
8,964	7.64E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,968	7.61E-08	6.28E-07	1.39E-06	7.54E-08	6.13E-07	1.34E-06	7.16E-08	6.03E-07	1.31E-06	6.98E-08	5.83E-07	1.30E-06	6.75E-08	5.59E-07	1.26E-06
8,969	7.61E-08	6.28E-07	1.39E-06	7.54E-08	6.13E-07	1.34E-06	7.16E-08	6.03E-07	1.31E-06	6.98E-08	5.83E-07	1.30E-06	6.73E-08	5.59E-07	1.26E-06
8,970	7.60E-08	6.27E-07	1.39E-06	7.54E-08	6.12E-07	1.34E-06	7.16E-08	6.02E-07	1.30E-06	6.98E-08	5.83E-07	1.30E-06	6.73E-08	5.58E-07	1.26E-06
8,971	7.60E-08	6.27E-07	1.39E-06	7.54E-08	6.12E-07	1.34E-06	7.15E-08	6.02E-07	1.30E-06	6.97E-08	5.83E-07	1.30E-06	6.73E-08	5.58E-07	1.26E-06
8,972	7.58E-08	6.27E-07	1.39E-06	7.53E-08	6.11E-07	1.34E-06	7.15E-08	6.02E-07	1.30E-06	6.97E-08	5.82E-07	1.30E-06	6.73E-08	5.58E-07	1.25E-06
8,973	7.58E-08	6.27E-07	1.39E-06	7.53E-08	6.11E-07	1.34E-06	7.15E-08	6.02E-07	1.30E-06	6.97E-08	5.82E-07	1.29E-06	6.72E-08	5.58E-07	1.25E-06
8,974	7.58E-08	6.27E-07	1.39E-06	7.52E-08	6.11E-07	1.34E-06	7.14E-08	6.01E-07	1.30E-06	6.96E-08	5.82E-07	1.29E-06	6.72E-08	5.58E-07	1.25E-06
8,975	7.57E-08	6.27E-07	1.38E-06	7.51E-08	6.10E-07	1.33E-06	7.13E-08	6.01E-07	1.30E-06	6.96E-08	5.82E-07	1.29E-06	6.72E-08	5.58E-07	1.25E-06
8,976	7.56E-08	6.27E-07	1.38E-06	7.51E-08	6.10E-07	1.33E-06	7.13E-08	6.00E-07	1.30E-06	6.95E-08	5.82E-07	1.29E-06	6.70E-08	5.56E-07	1.25E-06
8,977	7.56E-08	6.27E-07	1.38E-06	7.50E-08	6.10E-07	1.33E-06	7.12E-08	5.99E-07	1.30E-06	6.95E-08	5.82E-07	1.29E-06	6.70E-08	5.56E-07	1.25E-06
8,978	7.56E-08	6.26E-07	1.38E-06	7.50E-08	6.10E-07	1.33E-06	7.11E-08	5.98E-07	1.30E-06	6.94E-08	5.82E-07	1.29E-06	6.70E-08	5.56E-07	1.24E-06
8,979	7.53E-08	6.26E-07	1.38E-06	7.49E-08	6.09E-07	1.33E-06	7.11E-08	5.98E-07	1.30E-06	6.94E-08	5.81E-07	1.29E-06	6.69E-08	5.55E-07	1.24E-06
8,980	7.52E-08	6.26E-07	1.38E-06	7.48E-08	6.09E-07	1.33E-06	7.11E-08	5.98E-07	1.29E-06	6.93E-08	5.81E-07	1.29E-06	6.69E-08	5.55E-07	1.24E-06
8,981	7.52E-08	6.26E-07	1.37E-06	7.48E-08	6.09E-07	1.33E-06	7.10E-08	5.98E-07	1.29E-06	6.93E-08	5.81E-07	1.29E-06	6.68E-08	5.55E-07	1.24E-06
8,982	7.51E-08	6.26E-07	1.37E-06	7.46E-08	6.09E-07	1.33E-06	7.10E-08	5.98E-07	1.29E-06	6.93E-08	5.81E-07	1.29E-06	6.68E-08	5.54E-07	1.24E-06
8,983	7.51E-08	6.26E-07	1.37E-06	7.45E-08	6.08E-07	1.32E-06	7.09E-08	5.98E-07	1.29E-06	6.93E-08	5.80E-07	1.29E-06	6.68E-08	5.54E-07	1.24E-06
8,984	7.51E-08	6.25E-07	1.37E-06	7.45E-08	6.08E-07	1.32E-06	7.08E-08	5.97E-07	1.29E-06	6.92E-08	5.79E-07	1.28E-06	6.68E-08	5.53E-07	1.24E-06
8,985	7.50E-08	6.25E-07	1.37E-06	7.45E-08	6.08E-07	1.32E-06	7.08E-08	5.97E-07	1.29E-06	6.91E-08	5.79E-07	1.28E-06	6.68E-08	5.53E-07	1.24E-06
8,986	7.50E-08	6.25E-07	1.37E-06	7.44E-08	6.06E-07	1.32E-06	7.07E-08	5.97E-07	1.29E-06	6.91E-08	5.79E-07	1.28E-06	6.67E-08	5.53E-07	1.24E-06
8,987	7.49E-08	6.24E-07	1.37E-06	7.44E-08	6.05E-07	1.32E-06	7.07E-08	5.97E-07	1.29E-06	6.90E-08	5.79E-07	1.28E-06	6.67E-08	5.53E-07	1.24E-06
8,988	7.49E-08	6.24E-07	1.37E-06	7.43E-08	6.05E-07	1.32E-06	7.07E-08	5.97E-07	1.29E-06	6.90E-08	5.78E-07	1.28E-06	6.67E-08	5.52E-07	1.24E-06
8,989	7.49E-08	6.24E-07	1.37E-06	7.42E-08	6.04E-07	1.32E-06	7.06E-08	5.96E-07	1.29E-06	6.89E-08	5.78E-07	1.28E-06	6.66E-08	5.51E-07	1.23E-06
8,990	7.49E-08	6.23E-07	1.37E-06	7.41E-08	6.04E-07	1.32E-06	7.05E-08	5.96E-07	1.29E-06	6.89E-08	5.77E-07	1.28E-06	6.66E-08	5.51E-07	1.23E-06
8,991	7.48E-08	6.23E-07	1.37E-06	7.40E-08	6.03E-07	1.32E-06	7.04E-08	5.95E-07	1.29E-06	6.89E-08	5.77E-07	1.28E-06	6.66E-08	5.51E-07	1.23E-06
8,992	7.48E-08	6.22E-07	1.37E-06	7.40E-08	6.03E-07	1.32E-06	7.03E-08	5.94E-07	1.29E-06	6.88E-08	5.77E-07	1.28E-06	6.66E-08	5.50E-07	1.23E-06
8,993	7.48E-08	6.22E-07	1.37E-06	7.37E-08	6.03E-07	1.32E-06	7.02E-08	5.93E-07	1.29E-06	6.88E-08	5.76E-07	1.28E-06	6.66E-08	5.50E-07	1.23E-06
8,994	7.48E-08	6.22E-07	1.36E-06	7.37E-08	6.03E-07	1.32E-06	7.02E-08	5.93E-07	1.29E-06	6.88E-08	5.76E-07	1.28E-06	6.65E-08	5.50E-07	1.23E-06
8,995	7.47E-08	6.22E-07	1.36E-06	7.37E-08	6.01E-07	1.32E-06	7.01E-08	5.93E-07	1.28E-06	6.87E-08	5.76E-07	1.27E-06	6.64E-08	5.50E-07	1.23E-06
8,996	7.46E-08	6.20E-07	1.36E-06	7.37E-08	6.01E-07	1.32E-06	7.01E-08	5.93E-07	1.28E-06	6.86E-08	5.76E-07	1.27E-06	6.63E-08	5.49E-07	1.23E-06
8,997	7.46E-08	6.19E-07	1.36E-06	7.36E-08	6.01E-07	1.31E-06	7.01E-08	5.93E-07	1.28E-06	6.86E-08	5.75E-07	1.27E-06	6.63E-08	5.49E-07	1.23E-06
8,998	7.46E-08	6.19E-07	1.36E-06	7.36E-08	6.00E-07	1.31E-06	7.01E-08	5.92E-07	1.28E-06	6.86E-08	5.75E-07	1.27E-06	6.63E-08	5.49E-07	1.23E-06
8,999	7.46E-08	6.18E-07	1.36E-06	7.36E-08	6.00E-07	1.31E-06	6.99E-08	5.92E-07	1.28E-06	6.85E-08	5.75E-07	1.27E-06	6.62E-08	5.48E-07	1.23E-06
9,000	7.46E-08	6.17E-07	1.36E-06	7.35E-08	6.00E-07	1.31E-06	6.99E-08	5.91E-07	1.28E-06	6.85E-08	5.75E-07	1.27E-06	6.62E-08	5.48E-07	1.23E-06
9,001	7.46E-08	6.16E-07	1.36E-06	7.34E-08	5.99E-07	1.31E-06	6.98E-08	5.91E-07	1.28E-06	6.85E-08	5.75E-07	1.27E-06	6.61E-08	5.47E-07	1.23E-06
9,002	7.45E-08	6.16E-07	1.35E-06	7.34E-08	5.99E-07	1.31E-06	6.97E-08	5.90E-07	1.28E-06	6.85E-08	5.74E-07	1.27E-06	6.61E-08	5.46E-07	1.23E-06
9,003	7.45E-08	6.15E-07	1.35E-06	7.34E-08	5.99E-07	1.31E-06	6.97E-08	5.90E-07	1.28E-06	6.84E-08	5.74E-07	1.27E-06	6.61E-08	5.46E-07	1.23E-06
9,004	7.45E-08	6.15E-07	1.35E-06	7.33E-08	5.99E-07	1.31E-06	6.97E-08	5.89E-07	1.28E-06	6.84E-08	5.74E-07	1.27E-06	6.61E-08	5.46E-07	1.23E-06
9,005	7.45E-08	6.15E-07	1.35E-06	7.32E-08	5.99E-07	1.30E-06	6.96E-08	5.88E-07	1.28E-06	6.84E-08	5.74E-07	1.27E-06	6.60E-08	5.46E-07	1.23E-06
9,006	7.45E-08	6.14E-07	1.35E-06	7.32E-08	5.99E-07	1.30E-06	6.95E-08	5.88E-07	1.28E-06	6.84E-08	5.73E-07	1.27E-06	6.59E-08	5.46E-07	1.23E-06
9,007	7.44E-08	6.14E-07	1.35E-06	7.31E-08	5.98E-07	1.30E-06	6.94E-08	5.88E-07	1.27E-06	6.84E-08	5.72E-07	1.27E-06	6.59E-08	5.45E-07	1.22E-06
9,008	7.44E-08	6.13E-07	1.35E-06	7.31E-08	5.98E-07	1.30E-06	6.94E-08	5.87E-07	1.27E-06	6.84E-08	5.72E-07	1.27E-06	6.59E-08	5.44E-07	1.22E-06
9,009	7.43E-08	6.12E-07	1.35E-06	7.31E-08	5.98E-07	1.30E-06	6.94E-08	5.87E-07	1.27E-06	6.83E-08	5.72E-07	1.27E-06	6.58E-08	5.44E-07	1.22E-06
9,010	7.42E-08	6.12E-07	1.35E-06	7.30E-08	5.97E-07	1.30E-06	6.93E-08	5.87E-07	1.27E-06	6.83E-08	5.72E-07	1.27E-06	6.57E-08	5.44E-07	1.22E-06
9,011	7.42E-08	6.12E-07	1.35E-06	7.29E-08	5.97E-07	1.30E-06	6.93E-08	5.87E-07	1.27E-06	6.83E-08	5.71E-07	1.26E-06	6.57E-08	5.44E-07	1.22E-06
9,012	7.40E-08	6.12E-07	1.35E-06	7.29E-08	5.96E-07	1.30E-06	6.93E-08	5.87E-07	1.27E-06	6.82E-08	5.71E-07	1.26E-06	6.57E-08	5.43E-07	1.22E-06
9,013	7.40E-08	6.11E-07	1.35E-06	7.28E-08	5.96E-07	1.30E-06	6.92E-08	5.87E-07	1.27E-06	6.82E-08	5.70E-07	1.26E-06	6.57E-08	5.43E-07	1.22E-06
9,014	7.40E-08	6.11E-07	1.34E-06	7.27E-08	5.96E-07	1.30E-06	6.91E-08	5.87E-07	1.27E-06	6.82E-08	5.70E-07	1.26E-06	6.57E-08	5.43E-07	1.22E-06
9,015	7.39E-08	6.11E-07	1.34E-06	7.27E-08	5.96E-07	1.30E-06	6.91E-08	5.86E-07	1.27E-06	6.82E-08	5.69E-07	1.26E-06	6.57E-08	5.43E-07	1.22E-06
9,016	7.39E-08	6.09E-07	1.34E-06	7.26E-08	5.95E-07	1.30E-06	6.90E-08	5.85E-07	1.27E-06	6.80E-08	5.69E-07	1.26E-06	6.57E-08	5.42E-07	1.22E-06
9,017	7.38E-08	6.09E-07	1.34E-06	7.25E-08	5.95E-07	1.30E-06	6.90E-08	5.85E-07	1.27E-06	6.80E-08	5.68E-07	1.26E-06	6.55E-08	5.41E-07	1.21E-06
9,018	7.38E-08	6.09E-07	1.34E-06	7.25E-08	5.95E-07	1.29E-06	6.89E-08	5.85E-07	1.27E-06	6.80E-08	5.68E-07	1.26E-06	6.55E-08	5.41E-07	1.21E-06
9,019	7.37E-08	6.07E-07	1.34E-06	7.24E-08	5.95E-07	1.29E-06	6.89E-08	5.85E-07	1.26E-06	6.79E-08	5.68E-07	1.26E-06	6.55E-08	5.41E-07	1.21E-06
9,020	7.36E-08	6.07E-07	1.34E-06	7.24E-08	5.95E-07	1.29E-06	6.89E-08	5.84E-07	1.26E-06	6.79E-08	5.67E-07	1.26E-06	6.54E-08	5.41E-07	1.21E-06
9,021	7.35E-08	6.07E-07	1.34E-06	7.23E-08	5.94E-07	1.29E-06	6.88E-08	5.84E-07	1.26E-06	6.79E-08	5.67E-07	1.26E-06	6.53E-08	5.40E-07	1.21E-06
9,022	7.34E-08	6.06E-07	1.34E-06	7.23E-08	5.93E-07	1.29E-06	6.88E-08	5.83E-07	1.26E-06	6.79E-08	5.67E-07	1.26E-06	6.53E-08	5.39E-07	1.21E-06
9,023	7.34E-08	6.06E-07	1.34E-06	7.23E-08	5.93E-07	1.29E-06	6.88E-08	5.83E-07	1.26E-06	6.79E-08	5.66E-07	1.26E-06	6.53E-08	5.39E-07	1.21E-06
9,024	7.33E-08	6.05E-07	1.34E-06	7.23E-08	5.92E-07	1.29E-06	6.86E-08	5.82E-07	1.26E-06	6.78E-08	5.66E-07	1.25E-06	6.53E-08	5.39E-07	1.21E-06
9,025	7.33E-08	6.05E-07	1.34E-06	7.23E-08	5.92E-07	1.29E-06	6.85E-08	5.81E-07	1.26E-06	6.78E-08	5.66E-07	1.25E-06	6.52E-08	5.39E-07	1.21E-06
9,026	7.33E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,030	7.30E-08	6.03E-07	1.32E-06	7.20E-08	5.91E-07	1.28E-06	6.83E-08	5.80E-07	1.25E-06	6.76E-08	5.65E-07	1.25E-06	6.49E-08	5.38E-07	1.21E-06
9,031	7.30E-08	6.02E-07	1.32E-06	7.19E-08	5.89E-07	1.28E-06	6.83E-08	5.79E-07	1.25E-06	6.76E-08	5.64E-07	1.25E-06	6.49E-08	5.38E-07	1.20E-06
9,032	7.29E-08	6.01E-07	1.32E-06	7.19E-08	5.89E-07	1.28E-06	6.83E-08	5.79E-07	1.25E-06	6.75E-08	5.64E-07	1.25E-06	6.48E-08	5.38E-07	1.20E-06
9,033	7.29E-08	6.00E-07	1.32E-06	7.18E-08	5.88E-07	1.28E-06	6.83E-08	5.78E-07	1.25E-06	6.75E-08	5.64E-07	1.25E-06	6.48E-08	5.37E-07	1.20E-06
9,034	7.29E-08	5.99E-07	1.32E-06	7.18E-08	5.88E-07	1.28E-06	6.82E-08	5.78E-07	1.25E-06	6.75E-08	5.64E-07	1.25E-06	6.48E-08	5.37E-07	1.20E-06
9,035	7.27E-08	5.99E-07	1.32E-06	7.17E-08	5.87E-07	1.28E-06	6.82E-08	5.77E-07	1.25E-06	6.74E-08	5.63E-07	1.24E-06	6.47E-08	5.36E-07	1.20E-06
9,036	7.27E-08	5.99E-07	1.32E-06	7.17E-08	5.87E-07	1.28E-06	6.81E-08	5.76E-07	1.25E-06	6.74E-08	5.63E-07	1.24E-06	6.47E-08	5.36E-07	1.20E-06
9,037	7.27E-08	5.99E-07	1.32E-06	7.16E-08	5.87E-07	1.28E-06	6.80E-08	5.75E-07	1.25E-06	6.74E-08	5.62E-07	1.24E-06	6.47E-08	5.36E-07	1.20E-06
9,038	7.25E-08	5.99E-07	1.32E-06	7.16E-08	5.86E-07	1.28E-06	6.80E-08	5.74E-07	1.25E-06	6.74E-08	5.62E-07	1.24E-06	6.47E-08	5.35E-07	1.20E-06
9,039	7.25E-08	5.99E-07	1.31E-06	7.16E-08	5.85E-07	1.28E-06	6.78E-08	5.74E-07	1.25E-06	6.74E-08	5.61E-07	1.24E-06	6.47E-08	5.35E-07	1.20E-06
9,040	7.24E-08	5.99E-07	1.31E-06	7.15E-08	5.85E-07	1.28E-06	6.77E-08	5.72E-07	1.24E-06	6.74E-08	5.61E-07	1.24E-06	6.46E-08	5.34E-07	1.20E-06
9,041	7.22E-08	5.98E-07	1.31E-06	7.15E-08	5.85E-07	1.28E-06	6.77E-08	5.71E-07	1.24E-06	6.73E-08	5.61E-07	1.24E-06	6.46E-08	5.34E-07	1.20E-06
9,042	7.21E-08	5.98E-07	1.31E-06	7.15E-08	5.84E-07	1.28E-06	6.77E-08	5.71E-07	1.24E-06	6.73E-08	5.60E-07	1.24E-06	6.46E-08	5.34E-07	1.20E-06
9,043	7.20E-08	5.98E-07	1.31E-06	7.14E-08	5.84E-07	1.28E-06	6.77E-08	5.71E-07	1.24E-06	6.72E-08	5.60E-07	1.24E-06	6.45E-08	5.33E-07	1.19E-06
9,044	7.20E-08	5.98E-07	1.31E-06	7.14E-08	5.83E-07	1.28E-06	6.77E-08	5.71E-07	1.24E-06	6.72E-08	5.59E-07	1.24E-06	6.45E-08	5.33E-07	1.19E-06
9,045	7.19E-08	5.98E-07	1.31E-06	7.12E-08	5.83E-07	1.28E-06	6.77E-08	5.71E-07	1.24E-06	6.72E-08	5.59E-07	1.24E-06	6.45E-08	5.33E-07	1.19E-06
9,046	7.19E-08	5.98E-07	1.31E-06	7.12E-08	5.82E-07	1.28E-06	6.76E-08	5.69E-07	1.24E-06	6.72E-08	5.59E-07	1.24E-06	6.45E-08	5.32E-07	1.19E-06
9,047	7.18E-08	5.97E-07	1.31E-06	7.12E-08	5.81E-07	1.27E-06	6.75E-08	5.69E-07	1.24E-06	6.72E-08	5.58E-07	1.24E-06	6.44E-08	5.32E-07	1.19E-06
9,048	7.16E-08	5.97E-07	1.31E-06	7.12E-08	5.81E-07	1.27E-06	6.75E-08	5.69E-07	1.24E-06	6.71E-08	5.58E-07	1.24E-06	6.44E-08	5.32E-07	1.19E-06
9,049	7.16E-08	5.97E-07	1.30E-06	7.12E-08	5.81E-07	1.27E-06	6.75E-08	5.69E-07	1.24E-06	6.71E-08	5.57E-07	1.24E-06	6.44E-08	5.32E-07	1.19E-06
9,050	7.15E-08	5.97E-07	1.30E-06	7.10E-08	5.80E-07	1.27E-06	6.74E-08	5.68E-07	1.24E-06	6.71E-08	5.57E-07	1.24E-06	6.43E-08	5.31E-07	1.19E-06
9,051	7.15E-08	5.96E-07	1.30E-06	7.09E-08	5.80E-07	1.27E-06	6.74E-08	5.68E-07	1.24E-06	6.71E-08	5.57E-07	1.24E-06	6.43E-08	5.31E-07	1.19E-06
9,052	7.14E-08	5.96E-07	1.30E-06	7.09E-08	5.80E-07	1.27E-06	6.73E-08	5.68E-07	1.24E-06	6.70E-08	5.57E-07	1.24E-06	6.41E-08	5.31E-07	1.19E-06
9,053	7.13E-08	5.96E-07	1.30E-06	7.07E-08	5.79E-07	1.27E-06	6.73E-08	5.67E-07	1.24E-06	6.70E-08	5.55E-07	1.24E-06	6.41E-08	5.31E-07	1.19E-06
9,054	7.13E-08	5.95E-07	1.30E-06	7.07E-08	5.79E-07	1.27E-06	6.72E-08	5.67E-07	1.24E-06	6.69E-08	5.55E-07	1.23E-06	6.40E-08	5.30E-07	1.19E-06
9,055	7.12E-08	5.95E-07	1.30E-06	7.07E-08	5.79E-07	1.27E-06	6.71E-08	5.67E-07	1.24E-06	6.68E-08	5.53E-07	1.23E-06	6.40E-08	5.30E-07	1.19E-06
9,056	7.12E-08	5.95E-07	1.30E-06	7.05E-08	5.78E-07	1.27E-06	6.71E-08	5.67E-07	1.24E-06	6.68E-08	5.53E-07	1.23E-06	6.40E-08	5.29E-07	1.19E-06
9,057	7.11E-08	5.94E-07	1.30E-06	7.05E-08	5.78E-07	1.26E-06	6.71E-08	5.67E-07	1.23E-06	6.68E-08	5.53E-07	1.23E-06	6.40E-08	5.29E-07	1.19E-06
9,058	7.11E-08	5.94E-07	1.30E-06	7.05E-08	5.77E-07	1.26E-06	6.70E-08	5.66E-07	1.23E-06	6.67E-08	5.53E-07	1.23E-06	6.39E-08	5.28E-07	1.19E-06
9,059	7.11E-08	5.94E-07	1.29E-06	7.04E-08	5.77E-07	1.26E-06	6.70E-08	5.65E-07	1.23E-06	6.67E-08	5.52E-07	1.23E-06	6.39E-08	5.28E-07	1.19E-06
9,060	7.10E-08	5.94E-07	1.29E-06	7.04E-08	5.76E-07	1.26E-06	6.70E-08	5.65E-07	1.23E-06	6.67E-08	5.51E-07	1.23E-06	6.38E-08	5.28E-07	1.19E-06
9,061	7.10E-08	5.93E-07	1.29E-06	7.04E-08	5.76E-07	1.26E-06	6.70E-08	5.65E-07	1.23E-06	6.67E-08	5.51E-07	1.23E-06	6.38E-08	5.27E-07	1.19E-06
9,062	7.09E-08	5.93E-07	1.29E-06	7.04E-08	5.76E-07	1.26E-06	6.69E-08	5.65E-07	1.23E-06	6.67E-08	5.50E-07	1.23E-06	6.37E-08	5.27E-07	1.18E-06
9,063	7.08E-08	5.93E-07	1.29E-06	7.03E-08	5.76E-07	1.26E-06	6.69E-08	5.64E-07	1.23E-06	6.66E-08	5.50E-07	1.23E-06	6.36E-08	5.27E-07	1.18E-06
9,064	7.07E-08	5.93E-07	1.29E-06	7.03E-08	5.76E-07	1.26E-06	6.68E-08	5.64E-07	1.23E-06	6.66E-08	5.50E-07	1.23E-06	6.36E-08	5.27E-07	1.18E-06
9,065	7.07E-08	5.92E-07	1.29E-06	7.03E-08	5.75E-07	1.26E-06	6.67E-08	5.63E-07	1.23E-06	6.66E-08	5.50E-07	1.23E-06	6.36E-08	5.27E-07	1.18E-06
9,066	7.07E-08	5.91E-07	1.29E-06	7.02E-08	5.75E-07	1.26E-06	6.67E-08	5.63E-07	1.23E-06	6.66E-08	5.49E-07	1.23E-06	6.36E-08	5.26E-07	1.18E-06
9,067	7.07E-08	5.91E-07	1.29E-06	7.02E-08	5.75E-07	1.26E-06	6.66E-08	5.63E-07	1.22E-06	6.65E-08	5.49E-07	1.23E-06	6.36E-08	5.26E-07	1.18E-06
9,068	7.06E-08	5.91E-07	1.29E-06	6.99E-08	5.75E-07	1.26E-06	6.66E-08	5.63E-07	1.22E-06	6.65E-08	5.49E-07	1.23E-06	6.36E-08	5.25E-07	1.18E-06
9,069	7.05E-08	5.91E-07	1.28E-06	6.98E-08	5.75E-07	1.25E-06	6.65E-08	5.63E-07	1.22E-06	6.65E-08	5.48E-07	1.23E-06	6.35E-08	5.25E-07	1.18E-06
9,070	7.05E-08	5.88E-07	1.28E-06	6.98E-08	5.75E-07	1.25E-06	6.65E-08	5.63E-07	1.22E-06	6.65E-08	5.48E-07	1.23E-06	6.34E-08	5.25E-07	1.18E-06
9,071	7.04E-08	5.87E-07	1.28E-06	6.98E-08	5.74E-07	1.25E-06	6.65E-08	5.63E-07	1.22E-06	6.64E-08	5.47E-07	1.23E-06	6.34E-08	5.25E-07	1.17E-06
9,072	7.03E-08	5.86E-07	1.28E-06	6.98E-08	5.74E-07	1.25E-06	6.65E-08	5.62E-07	1.22E-06	6.64E-08	5.47E-07	1.22E-06	6.33E-08	5.23E-07	1.17E-06
9,073	7.03E-08	5.86E-07	1.28E-06	6.97E-08	5.74E-07	1.25E-06	6.65E-08	5.61E-07	1.22E-06	6.63E-08	5.47E-07	1.22E-06	6.32E-08	5.22E-07	1.17E-06
9,074	7.02E-08	5.86E-07	1.28E-06	6.97E-08	5.73E-07	1.25E-06	6.64E-08	5.61E-07	1.22E-06	6.63E-08	5.47E-07	1.22E-06	6.32E-08	5.22E-07	1.17E-06
9,075	6.99E-08	5.85E-07	1.28E-06	6.97E-08	5.72E-07	1.25E-06	6.63E-08	5.60E-07	1.22E-06	6.63E-08	5.46E-07	1.22E-06	6.32E-08	5.21E-07	1.17E-06
9,076	6.97E-08	5.85E-07	1.28E-06	6.96E-08	5.72E-07	1.25E-06	6.63E-08	5.60E-07	1.22E-06	6.63E-08	5.46E-07	1.22E-06	6.32E-08	5.21E-07	1.17E-06
9,077	6.97E-08	5.85E-07	1.28E-06	6.96E-08	5.71E-07	1.25E-06	6.62E-08	5.60E-07	1.22E-06	6.63E-08	5.45E-07	1.22E-06	6.31E-08	5.21E-07	1.17E-06
9,078	6.96E-08	5.85E-07	1.28E-06	6.96E-08	5.71E-07	1.25E-06	6.62E-08	5.59E-07	1.22E-06	6.62E-08	5.44E-07	1.22E-06	6.31E-08	5.20E-07	1.17E-06
9,079	6.96E-08	5.84E-07	1.28E-06	6.95E-08	5.71E-07	1.25E-06	6.61E-08	5.59E-07	1.21E-06	6.62E-08	5.44E-07	1.22E-06	6.30E-08	5.20E-07	1.17E-06
9,080	6.96E-08	5.84E-07	1.28E-06	6.95E-08	5.70E-07	1.24E-06	6.61E-08	5.59E-07	1.21E-06	6.62E-08	5.43E-07	1.22E-06	6.30E-08	5.19E-07	1.17E-06
9,081	6.95E-08	5.83E-07	1.28E-06	6.95E-08	5.70E-07	1.24E-06	6.61E-08	5.59E-07	1.21E-06	6.61E-08	5.43E-07	1.22E-06	6.30E-08	5.19E-07	1.16E-06
9,082	6.95E-08	5.83E-07	1.27E-06	6.94E-08	5.70E-07	1.24E-06	6.59E-08	5.59E-07	1.21E-06	6.61E-08	5.43E-07	1.22E-06	6.29E-08	5.19E-07	1.16E-06
9,083	6.94E-08	5.83E-07	1.27E-06	6.94E-08	5.70E-07	1.24E-06	6.59E-08	5.59E-07	1.21E-06	6.59E-08	5.43E-07	1.22E-06	6.29E-08	5.19E-07	1.16E-06
9,084	6.94E-08	5.83E-07	1.27E-06	6.94E-08	5.70E-07	1.24E-06	6.59E-08	5.59E-07	1.21E-06	6.58E-08	5.43E-07	1.21E-06	6.29E-08	5.19E-07	1.16E-06
9,085	6.94E-08	5.83E-07	1.27E-06	6.94E-08	5.70E-07	1.24E-06	6.59E-08	5.59E-07	1.21E-06	6.58E-08	5.43E-07	1.21E-06	6.28E-08	5.18E-07	1.16E-06
9,086	6.93E-08	5.83E-07	1.27E-06	6.93E-08	5.70E-07	1.24E-06	6.59E-08	5.59E-07	1.21E-06	6.57E-08	5.42E-07	1.21E-06	6.28E-08	5.18E-07	1.16E-06
9,087	6.92E-08	5.82E-07	1.27E-06	6.93E-08	5.69E-07	1.24E-06	6.58E-08	5.58E-07	1.21E-06	6.56E-08	5.42E-07	1.21E-06	6.28E-08	5.18E-07	1.16E-06
9,088	6.92E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,092	6.89E-08	5.80E-07	1.27E-06	6.90E-08	5.68E-07	1.23E-06	6.54E-08	5.55E-07	1.20E-06	6.51E-08	5.40E-07	1.21E-06	6.26E-08	5.16E-07	1.16E-06
9,093	6.88E-08	5.79E-07	1.27E-06	6.90E-08	5.68E-07	1.23E-06	6.53E-08	5.55E-07	1.20E-06	6.51E-08	5.40E-07	1.21E-06	6.26E-08	5.16E-07	1.16E-06
9,094	6.88E-08	5.78E-07	1.26E-06	6.90E-08	5.67E-07	1.23E-06	6.53E-08	5.55E-07	1.20E-06	6.50E-08	5.40E-07	1.21E-06	6.26E-08	5.16E-07	1.16E-06
9,095	6.88E-08	5.78E-07	1.26E-06	6.89E-08	5.66E-07	1.23E-06	6.52E-08	5.54E-07	1.20E-06	6.50E-08	5.39E-07	1.21E-06	6.24E-08	5.16E-07	1.16E-06
9,096	6.87E-08	5.78E-07	1.26E-06	6.88E-08	5.66E-07	1.23E-06	6.52E-08	5.54E-07	1.20E-06	6.49E-08	5.39E-07	1.21E-06	6.24E-08	5.15E-07	1.16E-06
9,097	6.86E-08	5.77E-07	1.26E-06	6.87E-08	5.66E-07	1.23E-06	6.51E-08	5.54E-07	1.20E-06	6.49E-08	5.38E-07	1.21E-06	6.24E-08	5.15E-07	1.15E-06
9,098	6.85E-08	5.76E-07	1.26E-06	6.87E-08	5.66E-07	1.22E-06	6.51E-08	5.54E-07	1.19E-06	6.48E-08	5.38E-07	1.21E-06	6.24E-08	5.15E-07	1.15E-06
9,099	6.84E-08	5.76E-07	1.26E-06	6.85E-08	5.66E-07	1.22E-06	6.50E-08	5.53E-07	1.19E-06	6.47E-08	5.38E-07	1.21E-06	6.23E-08	5.15E-07	1.15E-06
9,100	6.83E-08	5.76E-07	1.26E-06	6.85E-08	5.65E-07	1.22E-06	6.50E-08	5.53E-07	1.19E-06	6.47E-08	5.38E-07	1.21E-06	6.22E-08	5.14E-07	1.15E-06
9,101	6.83E-08	5.74E-07	1.26E-06	6.84E-08	5.65E-07	1.22E-06	6.50E-08	5.53E-07	1.19E-06	6.47E-08	5.38E-07	1.21E-06	6.22E-08	5.14E-07	1.15E-06
9,102	6.83E-08	5.74E-07	1.26E-06	6.83E-08	5.64E-07	1.22E-06	6.50E-08	5.52E-07	1.19E-06	6.45E-08	5.37E-07	1.21E-06	6.21E-08	5.14E-07	1.15E-06
9,103	6.82E-08	5.74E-07	1.26E-06	6.82E-08	5.64E-07	1.22E-06	6.49E-08	5.52E-07	1.19E-06	6.45E-08	5.37E-07	1.20E-06	6.21E-08	5.14E-07	1.15E-06
9,104	6.82E-08	5.73E-07	1.26E-06	6.82E-08	5.64E-07	1.22E-06	6.49E-08	5.52E-07	1.19E-06	6.45E-08	5.37E-07	1.20E-06	6.19E-08	5.13E-07	1.15E-06
9,105	6.81E-08	5.73E-07	1.26E-06	6.81E-08	5.64E-07	1.22E-06	6.49E-08	5.51E-07	1.19E-06	6.43E-08	5.37E-07	1.20E-06	6.18E-08	5.13E-07	1.15E-06
9,106	6.81E-08	5.73E-07	1.25E-06	6.80E-08	5.64E-07	1.22E-06	6.48E-08	5.50E-07	1.19E-06	6.43E-08	5.36E-07	1.20E-06	6.18E-08	5.12E-07	1.15E-06
9,107	6.81E-08	5.73E-07	1.25E-06	6.79E-08	5.63E-07	1.22E-06	6.48E-08	5.50E-07	1.19E-06	6.43E-08	5.35E-07	1.20E-06	6.17E-08	5.12E-07	1.15E-06
9,108	6.79E-08	5.71E-07	1.25E-06	6.79E-08	5.63E-07	1.22E-06	6.46E-08	5.50E-07	1.19E-06	6.42E-08	5.35E-07	1.20E-06	6.17E-08	5.11E-07	1.15E-06
9,109	6.79E-08	5.71E-07	1.25E-06	6.77E-08	5.63E-07	1.21E-06	6.45E-08	5.50E-07	1.19E-06	6.42E-08	5.34E-07	1.20E-06	6.16E-08	5.11E-07	1.14E-06
9,110	6.78E-08	5.71E-07	1.25E-06	6.76E-08	5.63E-07	1.21E-06	6.44E-08	5.49E-07	1.19E-06	6.42E-08	5.34E-07	1.20E-06	6.16E-08	5.11E-07	1.14E-06
9,111	6.78E-08	5.71E-07	1.25E-06	6.75E-08	5.63E-07	1.21E-06	6.44E-08	5.49E-07	1.19E-06	6.41E-08	5.34E-07	1.20E-06	6.16E-08	5.11E-07	1.14E-06
9,112	6.78E-08	5.71E-07	1.25E-06	6.75E-08	5.62E-07	1.21E-06	6.43E-08	5.49E-07	1.18E-06	6.41E-08	5.34E-07	1.20E-06	6.16E-08	5.11E-07	1.14E-06
9,113	6.77E-08	5.70E-07	1.25E-06	6.75E-08	5.62E-07	1.21E-06	6.42E-08	5.49E-07	1.18E-06	6.41E-08	5.34E-07	1.20E-06	6.16E-08	5.10E-07	1.14E-06
9,114	6.77E-08	5.70E-07	1.25E-06	6.75E-08	5.62E-07	1.21E-06	6.41E-08	5.48E-07	1.18E-06	6.40E-08	5.33E-07	1.20E-06	6.16E-08	5.10E-07	1.14E-06
9,115	6.77E-08	5.70E-07	1.25E-06	6.74E-08	5.62E-07	1.21E-06	6.40E-08	5.48E-07	1.18E-06	6.40E-08	5.33E-07	1.20E-06	6.15E-08	5.10E-07	1.14E-06
9,116	6.76E-08	5.69E-07	1.25E-06	6.74E-08	5.62E-07	1.21E-06	6.40E-08	5.47E-07	1.18E-06	6.40E-08	5.32E-07	1.19E-06	6.15E-08	5.10E-07	1.14E-06
9,117	6.76E-08	5.68E-07	1.25E-06	6.73E-08	5.61E-07	1.21E-06	6.40E-08	5.47E-07	1.18E-06	6.40E-08	5.32E-07	1.19E-06	6.15E-08	5.08E-07	1.14E-06
9,118	6.74E-08	5.68E-07	1.24E-06	6.73E-08	5.61E-07	1.21E-06	6.40E-08	5.47E-07	1.18E-06	6.39E-08	5.32E-07	1.19E-06	6.14E-08	5.08E-07	1.13E-06
9,119	6.74E-08	5.65E-07	1.24E-06	6.73E-08	5.60E-07	1.21E-06	6.39E-08	5.47E-07	1.17E-06	6.39E-08	5.31E-07	1.19E-06	6.14E-08	5.08E-07	1.13E-06
9,120	6.72E-08	5.64E-07	1.24E-06	6.73E-08	5.60E-07	1.21E-06	6.39E-08	5.46E-07	1.17E-06	6.38E-08	5.31E-07	1.19E-06	6.13E-08	5.08E-07	1.13E-06
9,121	6.72E-08	5.64E-07	1.24E-06	6.73E-08	5.60E-07	1.21E-06	6.39E-08	5.46E-07	1.17E-06	6.38E-08	5.31E-07	1.19E-06	6.12E-08	5.08E-07	1.13E-06
9,122	6.72E-08	5.64E-07	1.24E-06	6.72E-08	5.59E-07	1.21E-06	6.39E-08	5.45E-07	1.17E-06	6.37E-08	5.31E-07	1.19E-06	6.11E-08	5.08E-07	1.13E-06
9,123	6.72E-08	5.63E-07	1.24E-06	6.70E-08	5.59E-07	1.21E-06	6.38E-08	5.45E-07	1.17E-06	6.37E-08	5.30E-07	1.19E-06	6.11E-08	5.08E-07	1.13E-06
9,124	6.70E-08	5.63E-07	1.24E-06	6.69E-08	5.59E-07	1.21E-06	6.38E-08	5.45E-07	1.17E-06	6.36E-08	5.29E-07	1.19E-06	6.11E-08	5.07E-07	1.13E-06
9,125	6.69E-08	5.63E-07	1.24E-06	6.68E-08	5.59E-07	1.21E-06	6.37E-08	5.45E-07	1.17E-06	6.36E-08	5.29E-07	1.19E-06	6.10E-08	5.07E-07	1.13E-06
9,126	6.69E-08	5.61E-07	1.24E-06	6.68E-08	5.58E-07	1.21E-06	6.37E-08	5.44E-07	1.17E-06	6.35E-08	5.28E-07	1.19E-06	6.10E-08	5.07E-07	1.13E-06
9,127	6.68E-08	5.61E-07	1.24E-06	6.68E-08	5.58E-07	1.21E-06	6.37E-08	5.44E-07	1.17E-06	6.35E-08	5.27E-07	1.18E-06	6.09E-08	5.07E-07	1.13E-06
9,128	6.68E-08	5.61E-07	1.24E-06	6.67E-08	5.58E-07	1.21E-06	6.36E-08	5.44E-07	1.17E-06	6.34E-08	5.27E-07	1.18E-06	6.08E-08	5.06E-07	1.12E-06
9,129	6.68E-08	5.60E-07	1.24E-06	6.67E-08	5.58E-07	1.21E-06	6.36E-08	5.44E-07	1.17E-06	6.34E-08	5.25E-07	1.18E-06	6.06E-08	5.06E-07	1.12E-06
9,130	6.67E-08	5.60E-07	1.24E-06	6.66E-08	5.58E-07	1.20E-06	6.36E-08	5.44E-07	1.17E-06	6.34E-08	5.25E-07	1.18E-06	6.06E-08	5.06E-07	1.12E-06
9,131	6.67E-08	5.60E-07	1.24E-06	6.66E-08	5.57E-07	1.20E-06	6.35E-08	5.43E-07	1.16E-06	6.34E-08	5.24E-07	1.18E-06	6.06E-08	5.06E-07	1.12E-06
9,132	6.66E-08	5.60E-07	1.23E-06	6.65E-08	5.57E-07	1.20E-06	6.34E-08	5.43E-07	1.16E-06	6.34E-08	5.23E-07	1.18E-06	6.05E-08	5.05E-07	1.12E-06
9,133	6.66E-08	5.59E-07	1.23E-06	6.65E-08	5.56E-07	1.20E-06	6.34E-08	5.42E-07	1.16E-06	6.34E-08	5.23E-07	1.18E-06	6.04E-08	5.05E-07	1.12E-06
9,134	6.66E-08	5.59E-07	1.23E-06	6.64E-08	5.56E-07	1.20E-06	6.33E-08	5.41E-07	1.16E-06	6.34E-08	5.23E-07	1.18E-06	6.04E-08	5.04E-07	1.12E-06
9,135	6.64E-08	5.59E-07	1.23E-06	6.64E-08	5.54E-07	1.20E-06	6.33E-08	5.41E-07	1.16E-06	6.33E-08	5.23E-07	1.18E-06	6.03E-08	5.04E-07	1.12E-06
9,136	6.63E-08	5.58E-07	1.23E-06	6.64E-08	5.53E-07	1.20E-06	6.31E-08	5.41E-07	1.16E-06	6.33E-08	5.23E-07	1.18E-06	6.02E-08	5.04E-07	1.12E-06
9,137	6.63E-08	5.58E-07	1.23E-06	6.64E-08	5.53E-07	1.20E-06	6.31E-08	5.41E-07	1.16E-06	6.32E-08	5.22E-07	1.18E-06	6.01E-08	5.03E-07	1.12E-06
9,138	6.63E-08	5.58E-07	1.23E-06	6.64E-08	5.53E-07	1.20E-06	6.31E-08	5.40E-07	1.16E-06	6.32E-08	5.22E-07	1.17E-06	6.00E-08	5.03E-07	1.12E-06
9,139	6.61E-08	5.57E-07	1.23E-06	6.63E-08	5.53E-07	1.20E-06	6.30E-08	5.40E-07	1.16E-06	6.31E-08	5.22E-07	1.17E-06	6.00E-08	5.03E-07	1.12E-06
9,140	6.60E-08	5.55E-07	1.23E-06	6.62E-08	5.52E-07	1.20E-06	6.29E-08	5.40E-07	1.16E-06	6.31E-08	5.22E-07	1.17E-06	6.00E-08	5.03E-07	1.12E-06
9,141	6.60E-08	5.53E-07	1.23E-06	6.61E-08	5.52E-07	1.20E-06	6.29E-08	5.39E-07	1.16E-06	6.30E-08	5.22E-07	1.17E-06	5.99E-08	5.03E-07	1.12E-06
9,142	6.58E-08	5.52E-07	1.22E-06	6.61E-08	5.51E-07	1.20E-06	6.29E-08	5.39E-07	1.16E-06	6.30E-08	5.22E-07	1.17E-06	5.97E-08	5.02E-07	1.12E-06
9,143	6.58E-08	5.51E-07	1.22E-06	6.60E-08	5.51E-07	1.19E-06	6.28E-08	5.38E-07	1.16E-06	6.29E-08	5.22E-07	1.17E-06	5.96E-08	5.01E-07	1.12E-06
9,144	6.57E-08	5.51E-07	1.22E-06	6.59E-08	5.51E-07	1.19E-06	6.27E-08	5.38E-07	1.16E-06	6.29E-08	5.22E-07	1.17E-06	5.96E-08	5.01E-07	1.11E-06
9,145	6.57E-08	5.50E-07	1.22E-06	6.59E-08	5.50E-07	1.19E-06	6.27E-08	5.38E-07	1.15E-06	6.28E-08	5.21E-07	1.17E-06	5.96E-08	5.01E-07	1.11E-06
9,146	6.57E-08	5.50E-07	1.22E-06	6.59E-08	5.50E-07	1.19E-06	6.27E-08	5.38E-07	1.15E-06	6.27E-08	5.21E-07	1.17E-06	5.95E-08	5.00E-07	1.11E-06
9,147	6.57E-08	5.50E-07	1.22E-06	6.59E-08	5.49E-07	1.19E-06	6.26E-08	5.38E-07	1.15E-06	6.27E-08	5.21E-07	1.16E-06	5.95E-08	5.00E-07	1.11E-06
9,148	6.56E-08	5.50E-07	1.22E-06	6.58E-08	5.49E-07	1.19E-06	6.26E-08	5.37E-07	1.15E-06	6.26E-08	5.20E-07	1.16E-06	5.95E-08	5.00E-07	1.11E-06
9,149	6.56E-08	5.49E-07	1.22E-06	6.58E-08	5.49E-07	1.19E-06	6.25E-08	5.37E-07	1.15E-06	6.26E-08	5.20E-07	1.16E-06	5.95E-08	5.00E-07	1.11E-06
9,150	6.56E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,154	6.55E-08	5.47E-07	1.21E-06	6.54E-08	5.47E-07	1.18E-06	6.23E-08	5.34E-07	1.14E-06	6.23E-08	5.19E-07	1.16E-06	5.92E-08	4.98E-07	1.11E-06
9,155	6.53E-08	5.47E-07	1.21E-06	6.54E-08	5.47E-07	1.18E-06	6.23E-08	5.34E-07	1.14E-06	6.23E-08	5.17E-07	1.16E-06	5.91E-08	4.98E-07	1.11E-06
9,156	6.52E-08	5.46E-07	1.21E-06	6.54E-08	5.47E-07	1.18E-06	6.23E-08	5.34E-07	1.14E-06	6.23E-08	5.16E-07	1.16E-06	5.91E-08	4.98E-07	1.11E-06
9,157	6.52E-08	5.46E-07	1.21E-06	6.53E-08	5.46E-07	1.18E-06	6.22E-08	5.33E-07	1.14E-06	6.22E-08	5.16E-07	1.16E-06	5.90E-08	4.97E-07	1.11E-06
9,158	6.51E-08	5.46E-07	1.21E-06	6.53E-08	5.46E-07	1.18E-06	6.22E-08	5.33E-07	1.14E-06	6.22E-08	5.16E-07	1.16E-06	5.89E-08	4.97E-07	1.10E-06
9,159	6.51E-08	5.45E-07	1.21E-06	6.53E-08	5.46E-07	1.18E-06	6.22E-08	5.33E-07	1.14E-06	6.21E-08	5.16E-07	1.16E-06	5.89E-08	4.97E-07	1.10E-06
9,160	6.49E-08	5.44E-07	1.21E-06	6.53E-08	5.45E-07	1.18E-06	6.21E-08	5.32E-07	1.14E-06	6.20E-08	5.16E-07	1.16E-06	5.87E-08	4.97E-07	1.10E-06
9,161	6.49E-08	5.44E-07	1.21E-06	6.53E-08	5.44E-07	1.18E-06	6.20E-08	5.32E-07	1.14E-06	6.20E-08	5.13E-07	1.16E-06	5.86E-08	4.97E-07	1.10E-06
9,162	6.49E-08	5.44E-07	1.21E-06	6.53E-08	5.44E-07	1.18E-06	6.20E-08	5.31E-07	1.14E-06	6.19E-08	5.13E-07	1.16E-06	5.86E-08	4.97E-07	1.10E-06
9,163	6.49E-08	5.44E-07	1.21E-06	6.52E-08	5.44E-07	1.18E-06	6.19E-08	5.31E-07	1.14E-06	6.19E-08	5.12E-07	1.16E-06	5.85E-08	4.97E-07	1.10E-06
9,164	6.49E-08	5.44E-07	1.21E-06	6.51E-08	5.43E-07	1.18E-06	6.19E-08	5.31E-07	1.14E-06	6.19E-08	5.12E-07	1.16E-06	5.84E-08	4.96E-07	1.10E-06
9,165	6.48E-08	5.43E-07	1.20E-06	6.50E-08	5.43E-07	1.18E-06	6.18E-08	5.31E-07	1.13E-06	6.19E-08	5.11E-07	1.16E-06	5.84E-08	4.95E-07	1.10E-06
9,166	6.48E-08	5.43E-07	1.20E-06	6.50E-08	5.43E-07	1.18E-06	6.18E-08	5.31E-07	1.13E-06	6.19E-08	5.11E-07	1.15E-06	5.84E-08	4.95E-07	1.09E-06
9,167	6.48E-08	5.42E-07	1.20E-06	6.49E-08	5.42E-07	1.18E-06	6.18E-08	5.30E-07	1.13E-06	6.19E-08	5.11E-07	1.15E-06	5.83E-08	4.94E-07	1.09E-06
9,168	6.48E-08	5.40E-07	1.20E-06	6.49E-08	5.41E-07	1.18E-06	6.18E-08	5.30E-07	1.13E-06	6.18E-08	5.10E-07	1.15E-06	5.83E-08	4.94E-07	1.09E-06
9,169	6.48E-08	5.39E-07	1.20E-06	6.48E-08	5.40E-07	1.18E-06	6.18E-08	5.30E-07	1.13E-06	6.18E-08	5.10E-07	1.15E-06	5.83E-08	4.94E-07	1.09E-06
9,170	6.46E-08	5.39E-07	1.20E-06	6.47E-08	5.40E-07	1.18E-06	6.18E-08	5.29E-07	1.13E-06	6.16E-08	5.09E-07	1.15E-06	5.83E-08	4.93E-07	1.09E-06
9,171	6.46E-08	5.39E-07	1.20E-06	6.46E-08	5.39E-07	1.18E-06	6.16E-08	5.29E-07	1.13E-06	6.16E-08	5.09E-07	1.15E-06	5.82E-08	4.93E-07	1.09E-06
9,172	6.46E-08	5.39E-07	1.20E-06	6.46E-08	5.39E-07	1.17E-06	6.16E-08	5.28E-07	1.13E-06	6.15E-08	5.09E-07	1.14E-06	5.81E-08	4.93E-07	1.09E-06
9,173	6.46E-08	5.39E-07	1.20E-06	6.46E-08	5.39E-07	1.17E-06	6.16E-08	5.28E-07	1.13E-06	6.15E-08	5.09E-07	1.14E-06	5.81E-08	4.93E-07	1.09E-06
9,174	6.45E-08	5.39E-07	1.20E-06	6.45E-08	5.39E-07	1.17E-06	6.14E-08	5.28E-07	1.13E-06	6.14E-08	5.08E-07	1.14E-06	5.81E-08	4.92E-07	1.09E-06
9,175	6.43E-08	5.39E-07	1.19E-06	6.44E-08	5.39E-07	1.17E-06	6.13E-08	5.28E-07	1.13E-06	6.13E-08	5.08E-07	1.14E-06	5.80E-08	4.92E-07	1.09E-06
9,176	6.43E-08	5.38E-07	1.19E-06	6.44E-08	5.38E-07	1.17E-06	6.13E-08	5.27E-07	1.13E-06	6.12E-08	5.08E-07	1.14E-06	5.80E-08	4.92E-07	1.09E-06
9,177	6.42E-08	5.38E-07	1.19E-06	6.44E-08	5.38E-07	1.17E-06	6.12E-08	5.27E-07	1.12E-06	6.12E-08	5.07E-07	1.14E-06	5.80E-08	4.92E-07	1.09E-06
9,178	6.42E-08	5.37E-07	1.19E-06	6.43E-08	5.37E-07	1.17E-06	6.11E-08	5.27E-07	1.12E-06	6.11E-08	5.07E-07	1.14E-06	5.79E-08	4.92E-07	1.09E-06
9,179	6.41E-08	5.37E-07	1.19E-06	6.43E-08	5.37E-07	1.17E-06	6.11E-08	5.27E-07	1.12E-06	6.11E-08	5.07E-07	1.14E-06	5.79E-08	4.91E-07	1.09E-06
9,180	6.41E-08	5.37E-07	1.19E-06	6.43E-08	5.37E-07	1.17E-06	6.11E-08	5.27E-07	1.12E-06	6.11E-08	5.07E-07	1.14E-06	5.78E-08	4.91E-07	1.09E-06
9,181	6.40E-08	5.37E-07	1.19E-06	6.42E-08	5.37E-07	1.17E-06	6.11E-08	5.26E-07	1.12E-06	6.10E-08	5.07E-07	1.14E-06	5.77E-08	4.91E-07	1.09E-06
9,182	6.40E-08	5.37E-07	1.19E-06	6.42E-08	5.37E-07	1.17E-06	6.11E-08	5.26E-07	1.12E-06	6.10E-08	5.06E-07	1.14E-06	5.77E-08	4.91E-07	1.09E-06
9,183	6.40E-08	5.37E-07	1.19E-06	6.42E-08	5.37E-07	1.17E-06	6.10E-08	5.26E-07	1.12E-06	6.09E-08	5.06E-07	1.14E-06	5.76E-08	4.90E-07	1.09E-06
9,184	6.39E-08	5.36E-07	1.18E-06	6.41E-08	5.36E-07	1.17E-06	6.10E-08	5.25E-07	1.12E-06	6.09E-08	5.06E-07	1.14E-06	5.76E-08	4.90E-07	1.09E-06
9,185	6.39E-08	5.36E-07	1.18E-06	6.41E-08	5.36E-07	1.17E-06	6.09E-08	5.25E-07	1.12E-06	6.09E-08	5.06E-07	1.14E-06	5.76E-08	4.90E-07	1.08E-06
9,186	6.38E-08	5.35E-07	1.18E-06	6.41E-08	5.36E-07	1.17E-06	6.08E-08	5.24E-07	1.12E-06	6.08E-08	5.05E-07	1.14E-06	5.76E-08	4.89E-07	1.08E-06
9,187	6.37E-08	5.35E-07	1.18E-06	6.41E-08	5.35E-07	1.17E-06	6.07E-08	5.23E-07	1.12E-06	6.08E-08	5.05E-07	1.14E-06	5.76E-08	4.89E-07	1.08E-06
9,188	6.37E-08	5.35E-07	1.18E-06	6.40E-08	5.35E-07	1.17E-06	6.06E-08	5.22E-07	1.12E-06	6.08E-08	5.05E-07	1.14E-06	5.74E-08	4.88E-07	1.08E-06
9,189	6.36E-08	5.35E-07	1.18E-06	6.40E-08	5.35E-07	1.17E-06	6.06E-08	5.22E-07	1.12E-06	6.08E-08	5.04E-07	1.14E-06	5.74E-08	4.88E-07	1.08E-06
9,190	6.36E-08	5.35E-07	1.18E-06	6.40E-08	5.34E-07	1.16E-06	6.05E-08	5.22E-07	1.12E-06	6.07E-08	5.04E-07	1.14E-06	5.73E-08	4.88E-07	1.08E-06
9,191	6.35E-08	5.35E-07	1.18E-06	6.39E-08	5.34E-07	1.16E-06	6.05E-08	5.21E-07	1.12E-06	6.07E-08	5.02E-07	1.14E-06	5.72E-08	4.88E-07	1.08E-06
9,192	6.35E-08	5.35E-07	1.18E-06	6.39E-08	5.34E-07	1.16E-06	6.05E-08	5.20E-07	1.12E-06	6.07E-08	5.02E-07	1.13E-06	5.71E-08	4.88E-07	1.08E-06
9,193	6.34E-08	5.34E-07	1.18E-06	6.39E-08	5.34E-07	1.16E-06	6.03E-08	5.20E-07	1.12E-06	6.06E-08	5.02E-07	1.13E-06	5.71E-08	4.87E-07	1.08E-06
9,194	6.34E-08	5.34E-07	1.18E-06	6.39E-08	5.34E-07	1.16E-06	6.03E-08	5.20E-07	1.11E-06	6.06E-08	5.02E-07	1.13E-06	5.71E-08	4.86E-07	1.08E-06
9,195	6.34E-08	5.34E-07	1.17E-06	6.39E-08	5.34E-07	1.16E-06	6.03E-08	5.19E-07	1.11E-06	6.06E-08	5.01E-07	1.13E-06	5.70E-08	4.86E-07	1.08E-06
9,196	6.34E-08	5.34E-07	1.17E-06	6.38E-08	5.33E-07	1.16E-06	6.01E-08	5.19E-07	1.11E-06	6.06E-08	5.00E-07	1.13E-06	5.69E-08	4.86E-07	1.08E-06
9,197	6.33E-08	5.33E-07	1.17E-06	6.37E-08	5.32E-07	1.16E-06	6.00E-08	5.19E-07	1.11E-06	6.06E-08	5.00E-07	1.13E-06	5.69E-08	4.86E-07	1.07E-06
9,198	6.33E-08	5.33E-07	1.17E-06	6.36E-08	5.32E-07	1.16E-06	6.00E-08	5.19E-07	1.11E-06	6.05E-08	5.00E-07	1.13E-06	5.68E-08	4.85E-07	1.07E-06
9,199	6.31E-08	5.32E-07	1.17E-06	6.34E-08	5.31E-07	1.16E-06	6.00E-08	5.18E-07	1.11E-06	6.05E-08	4.99E-07	1.13E-06	5.66E-08	4.85E-07	1.07E-06
9,200	6.31E-08	5.32E-07	1.17E-06	6.34E-08	5.31E-07	1.16E-06	6.00E-08	5.17E-07	1.11E-06	6.04E-08	4.99E-07	1.13E-06	5.66E-08	4.85E-07	1.07E-06
9,201	6.30E-08	5.31E-07	1.17E-06	6.33E-08	5.31E-07	1.15E-06	5.98E-08	5.16E-07	1.11E-06	6.04E-08	4.99E-07	1.13E-06	5.66E-08	4.85E-07	1.07E-06
9,202	6.30E-08	5.31E-07	1.17E-06	6.33E-08	5.31E-07	1.15E-06	5.98E-08	5.15E-07	1.11E-06	6.04E-08	4.99E-07	1.13E-06	5.65E-08	4.84E-07	1.07E-06
9,203	6.30E-08	5.31E-07	1.17E-06	6.33E-08	5.30E-07	1.15E-06	5.98E-08	5.15E-07	1.11E-06	6.03E-08	4.98E-07	1.12E-06	5.65E-08	4.84E-07	1.07E-06
9,204	6.30E-08	5.31E-07	1.17E-06	6.33E-08	5.30E-07	1.15E-06	5.98E-08	5.14E-07	1.11E-06	6.03E-08	4.98E-07	1.12E-06	5.65E-08	4.84E-07	1.07E-06
9,205	6.29E-08	5.30E-07	1.16E-06	6.31E-08	5.30E-07	1.15E-06	5.97E-08	5.13E-07	1.11E-06	6.02E-08	4.98E-07	1.12E-06	5.64E-08	4.84E-07	1.07E-06
9,206	6.28E-08	5.30E-07	1.16E-06	6.30E-08	5.30E-07	1.15E-06	5.96E-08	5.13E-07	1.11E-06	6.02E-08	4.97E-07	1.12E-06	5.63E-08	4.83E-07	1.07E-06
9,207	6.28E-08	5.30E-07	1.16E-06	6.30E-08	5.30E-07	1.15E-06	5.96E-08	5.13E-07	1.11E-06	6.02E-08	4.97E-07	1.12E-06	5.63E-08	4.83E-07	1.07E-06
9,208	6.27E-08	5.30E-07	1.16E-06	6.30E-08	5.29E-07	1.15E-06	5.95E-08	5.13E-07	1.11E-06	6.02E-08	4.97E-07	1.12E-06	5.63E-08	4.81E-07	1.07E-06
9,209	6.27E-08	5.29E-07	1.16E-06	6.29E-08	5.28E-07	1.14E-06	5.95E-08	5.12E-07	1.11E-06	6.01E-08	4.96E-07	1.11E-06	5.63E-08	4.80E-07	1.07E-06
9,210	6.26E-08	5.28E-07	1.16E-06	6.28E-08	5.27E-07	1.14E-06	5.95E-08	5.11E-07	1.11E-06	6.01E-08	4.96E-07	1.11E-06	5.63E-08	4.79E-07	1.07E-06
9,211	6.26E-08	5.28E-07	1.16E-06	6.28E-08	5.27E-07	1.14E-06	5.94E-08	5.11E-07	1.11E-06	6.01E-08	4.95E-07	1.11E-06	5.62E-08	4.79E-07	1.07E-06
9,212	6.26E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,216	6.24E-08	5.24E-07	1.15E-06	6.26E-08	5.25E-07	1.14E-06	5.92E-08	5.10E-07	1.10E-06	5.99E-08	4.93E-07	1.11E-06	5.61E-08	4.78E-07	1.06E-06
9,217	6.24E-08	5.24E-07	1.15E-06	6.26E-08	5.24E-07	1.14E-06	5.92E-08	5.09E-07	1.10E-06	5.98E-08	4.93E-07	1.11E-06	5.61E-08	4.78E-07	1.06E-06
9,218	6.24E-08	5.24E-07	1.15E-06	6.25E-08	5.24E-07	1.14E-06	5.92E-08	5.08E-07	1.10E-06	5.98E-08	4.92E-07	1.10E-06	5.61E-08	4.78E-07	1.06E-06
9,219	6.23E-08	5.23E-07	1.15E-06	6.25E-08	5.22E-07	1.13E-06	5.90E-08	5.08E-07	1.10E-06	5.98E-08	4.91E-07	1.10E-06	5.60E-08	4.77E-07	1.06E-06
9,220	6.23E-08	5.23E-07	1.15E-06	6.25E-08	5.22E-07	1.13E-06	5.90E-08	5.08E-07	1.10E-06	5.97E-08	4.91E-07	1.10E-06	5.60E-08	4.77E-07	1.06E-06
9,221	6.23E-08	5.23E-07	1.15E-06	6.24E-08	5.22E-07	1.13E-06	5.89E-08	5.08E-07	1.10E-06	5.96E-08	4.91E-07	1.10E-06	5.60E-08	4.77E-07	1.05E-06
9,222	6.22E-08	5.23E-07	1.14E-06	6.23E-08	5.21E-07	1.13E-06	5.89E-08	5.08E-07	1.10E-06	5.96E-08	4.91E-07	1.10E-06	5.59E-08	4.76E-07	1.05E-06
9,223	6.22E-08	5.22E-07	1.14E-06	6.22E-08	5.21E-07	1.13E-06	5.88E-08	5.07E-07	1.10E-06	5.96E-08	4.91E-07	1.10E-06	5.58E-08	4.76E-07	1.05E-06
9,224	6.22E-08	5.22E-07	1.14E-06	6.22E-08	5.21E-07	1.13E-06	5.86E-08	5.07E-07	1.10E-06	5.95E-08	4.90E-07	1.09E-06	5.58E-08	4.76E-07	1.05E-06
9,225	6.22E-08	5.22E-07	1.14E-06	6.22E-08	5.20E-07	1.13E-06	5.86E-08	5.07E-07	1.10E-06	5.95E-08	4.90E-07	1.09E-06	5.57E-08	4.75E-07	1.05E-06
9,226	6.21E-08	5.22E-07	1.14E-06	6.21E-08	5.20E-07	1.13E-06	5.85E-08	5.07E-07	1.10E-06	5.94E-08	4.90E-07	1.09E-06	5.57E-08	4.75E-07	1.05E-06
9,227	6.21E-08	5.22E-07	1.14E-06	6.20E-08	5.19E-07	1.13E-06	5.85E-08	5.07E-07	1.10E-06	5.94E-08	4.90E-07	1.09E-06	5.57E-08	4.75E-07	1.05E-06
9,228	6.21E-08	5.20E-07	1.14E-06	6.20E-08	5.19E-07	1.13E-06	5.85E-08	5.05E-07	1.10E-06	5.94E-08	4.90E-07	1.09E-06	5.57E-08	4.75E-07	1.05E-06
9,229	6.21E-08	5.20E-07	1.14E-06	6.19E-08	5.19E-07	1.13E-06	5.85E-08	5.05E-07	1.10E-06	5.93E-08	4.90E-07	1.09E-06	5.56E-08	4.75E-07	1.05E-06
9,230	6.20E-08	5.19E-07	1.14E-06	6.19E-08	5.18E-07	1.13E-06	5.84E-08	5.04E-07	1.10E-06	5.93E-08	4.90E-07	1.09E-06	5.56E-08	4.73E-07	1.05E-06
9,231	6.20E-08	5.19E-07	1.14E-06	6.18E-08	5.18E-07	1.13E-06	5.82E-08	5.04E-07	1.10E-06	5.93E-08	4.89E-07	1.09E-06	5.55E-08	4.73E-07	1.05E-06
9,232	6.20E-08	5.19E-07	1.14E-06	6.18E-08	5.18E-07	1.13E-06	5.82E-08	5.04E-07	1.10E-06	5.92E-08	4.89E-07	1.09E-06	5.55E-08	4.73E-07	1.05E-06
9,233	6.19E-08	5.18E-07	1.13E-06	6.18E-08	5.17E-07	1.12E-06	5.82E-08	5.04E-07	1.09E-06	5.91E-08	4.88E-07	1.09E-06	5.55E-08	4.73E-07	1.05E-06
9,234	6.18E-08	5.17E-07	1.13E-06	6.17E-08	5.16E-07	1.12E-06	5.81E-08	5.04E-07	1.09E-06	5.91E-08	4.88E-07	1.09E-06	5.54E-08	4.73E-07	1.05E-06
9,235	6.16E-08	5.17E-07	1.13E-06	6.17E-08	5.16E-07	1.12E-06	5.81E-08	5.03E-07	1.09E-06	5.91E-08	4.88E-07	1.09E-06	5.54E-08	4.72E-07	1.05E-06
9,236	6.16E-08	5.17E-07	1.13E-06	6.17E-08	5.16E-07	1.12E-06	5.81E-08	5.03E-07	1.09E-06	5.90E-08	4.87E-07	1.09E-06	5.54E-08	4.72E-07	1.05E-06
9,237	6.15E-08	5.17E-07	1.13E-06	6.16E-08	5.15E-07	1.12E-06	5.81E-08	5.03E-07	1.09E-06	5.90E-08	4.87E-07	1.09E-06	5.52E-08	4.71E-07	1.05E-06
9,238	6.13E-08	5.16E-07	1.13E-06	6.16E-08	5.15E-07	1.12E-06	5.80E-08	5.02E-07	1.09E-06	5.90E-08	4.87E-07	1.09E-06	5.52E-08	4.71E-07	1.05E-06
9,239	6.13E-08	5.16E-07	1.13E-06	6.16E-08	5.15E-07	1.12E-06	5.79E-08	5.01E-07	1.09E-06	5.89E-08	4.86E-07	1.09E-06	5.52E-08	4.71E-07	1.05E-06
9,240	6.13E-08	5.16E-07	1.13E-06	6.16E-08	5.15E-07	1.12E-06	5.79E-08	5.01E-07	1.09E-06	5.89E-08	4.85E-07	1.09E-06	5.51E-08	4.69E-07	1.05E-06
9,241	6.13E-08	5.15E-07	1.13E-06	6.15E-08	5.14E-07	1.12E-06	5.79E-08	5.01E-07	1.09E-06	5.89E-08	4.85E-07	1.08E-06	5.51E-08	4.69E-07	1.04E-06
9,242	6.13E-08	5.15E-07	1.13E-06	6.15E-08	5.14E-07	1.12E-06	5.78E-08	5.01E-07	1.09E-06	5.89E-08	4.85E-07	1.08E-06	5.50E-08	4.69E-07	1.04E-06
9,243	6.13E-08	5.15E-07	1.13E-06	6.14E-08	5.14E-07	1.12E-06	5.78E-08	5.01E-07	1.09E-06	5.89E-08	4.84E-07	1.08E-06	5.50E-08	4.68E-07	1.04E-06
9,244	6.10E-08	5.15E-07	1.13E-06	6.14E-08	5.14E-07	1.12E-06	5.77E-08	5.00E-07	1.09E-06	5.88E-08	4.84E-07	1.08E-06	5.50E-08	4.68E-07	1.04E-06
9,245	6.10E-08	5.14E-07	1.13E-06	6.14E-08	5.13E-07	1.12E-06	5.77E-08	5.00E-07	1.09E-06	5.88E-08	4.84E-07	1.08E-06	5.50E-08	4.68E-07	1.04E-06
9,246	6.09E-08	5.14E-07	1.13E-06	6.14E-08	5.13E-07	1.11E-06	5.76E-08	5.00E-07	1.09E-06	5.88E-08	4.83E-07	1.08E-06	5.50E-08	4.67E-07	1.04E-06
9,247	6.09E-08	5.13E-07	1.13E-06	6.13E-08	5.13E-07	1.11E-06	5.76E-08	5.00E-07	1.09E-06	5.87E-08	4.83E-07	1.08E-06	5.49E-08	4.67E-07	1.04E-06
9,248	6.08E-08	5.13E-07	1.13E-06	6.13E-08	5.13E-07	1.11E-06	5.75E-08	5.00E-07	1.09E-06	5.87E-08	4.83E-07	1.08E-06	5.49E-08	4.66E-07	1.04E-06
9,249	6.08E-08	5.12E-07	1.13E-06	6.12E-08	5.13E-07	1.11E-06	5.75E-08	4.99E-07	1.08E-06	5.87E-08	4.83E-07	1.08E-06	5.49E-08	4.66E-07	1.04E-06
9,250	6.07E-08	5.12E-07	1.12E-06	6.12E-08	5.13E-07	1.11E-06	5.75E-08	4.99E-07	1.08E-06	5.87E-08	4.83E-07	1.08E-06	5.49E-08	4.66E-07	1.04E-06
9,251	6.07E-08	5.11E-07	1.12E-06	6.11E-08	5.13E-07	1.11E-06	5.74E-08	4.99E-07	1.08E-06	5.87E-08	4.82E-07	1.08E-06	5.47E-08	4.65E-07	1.04E-06
9,252	6.07E-08	5.11E-07	1.12E-06	6.10E-08	5.13E-07	1.11E-06	5.73E-08	4.98E-07	1.08E-06	5.87E-08	4.82E-07	1.08E-06	5.47E-08	4.65E-07	1.03E-06
9,253	6.06E-08	5.11E-07	1.12E-06	6.10E-08	5.12E-07	1.11E-06	5.73E-08	4.98E-07	1.08E-06	5.86E-08	4.81E-07	1.08E-06	5.46E-08	4.64E-07	1.03E-06
9,254	6.06E-08	5.11E-07	1.12E-06	6.10E-08	5.12E-07	1.11E-06	5.73E-08	4.98E-07	1.08E-06	5.86E-08	4.81E-07	1.08E-06	5.46E-08	4.64E-07	1.03E-06
9,255	6.05E-08	5.10E-07	1.12E-06	6.09E-08	5.12E-07	1.11E-06	5.73E-08	4.98E-07	1.08E-06	5.85E-08	4.81E-07	1.08E-06	5.46E-08	4.64E-07	1.03E-06
9,256	6.05E-08	5.10E-07	1.12E-06	6.08E-08	5.12E-07	1.11E-06	5.72E-08	4.98E-07	1.08E-06	5.84E-08	4.81E-07	1.08E-06	5.45E-08	4.64E-07	1.03E-06
9,257	6.05E-08	5.10E-07	1.12E-06	6.07E-08	5.11E-07	1.11E-06	5.72E-08	4.98E-07	1.08E-06	5.84E-08	4.81E-07	1.07E-06	5.45E-08	4.64E-07	1.03E-06
9,258	6.05E-08	5.09E-07	1.12E-06	6.06E-08	5.11E-07	1.10E-06	5.72E-08	4.97E-07	1.08E-06	5.83E-08	4.80E-07	1.07E-06	5.45E-08	4.63E-07	1.03E-06
9,259	6.03E-08	5.08E-07	1.12E-06	6.06E-08	5.11E-07	1.10E-06	5.72E-08	4.96E-07	1.08E-06	5.83E-08	4.80E-07	1.07E-06	5.45E-08	4.63E-07	1.02E-06
9,260	5.99E-08	5.07E-07	1.11E-06	6.05E-08	5.11E-07	1.10E-06	5.72E-08	4.96E-07	1.08E-06	5.82E-08	4.79E-07	1.07E-06	5.44E-08	4.62E-07	1.02E-06
9,261	5.99E-08	5.07E-07	1.11E-06	6.05E-08	5.10E-07	1.10E-06	5.72E-08	4.95E-07	1.08E-06	5.82E-08	4.79E-07	1.07E-06	5.44E-08	4.62E-07	1.02E-06
9,262	5.99E-08	5.07E-07	1.11E-06	6.05E-08	5.10E-07	1.10E-06	5.71E-08	4.95E-07	1.07E-06	5.81E-08	4.79E-07	1.06E-06	5.44E-08	4.61E-07	1.02E-06
9,263	5.99E-08	5.07E-07	1.11E-06	6.04E-08	5.10E-07	1.10E-06	5.71E-08	4.95E-07	1.07E-06	5.81E-08	4.79E-07	1.06E-06	5.43E-08	4.61E-07	1.02E-06
9,264	5.98E-08	5.07E-07	1.11E-06	6.03E-08	5.09E-07	1.10E-06	5.70E-08	4.95E-07	1.07E-06	5.80E-08	4.78E-07	1.06E-06	5.43E-08	4.61E-07	1.02E-06
9,265	5.97E-08	5.06E-07	1.10E-06	6.03E-08	5.08E-07	1.10E-06	5.69E-08	4.94E-07	1.07E-06	5.80E-08	4.78E-07	1.06E-06	5.42E-08	4.61E-07	1.01E-06
9,266	5.97E-08	5.06E-07	1.10E-06	6.01E-08	5.07E-07	1.10E-06	5.68E-08	4.93E-07	1.07E-06	5.80E-08	4.78E-07	1.06E-06	5.41E-08	4.60E-07	1.01E-06
9,267	5.96E-08	5.05E-07	1.10E-06	6.01E-08	5.07E-07	1.10E-06	5.68E-08	4.93E-07	1.07E-06	5.80E-08	4.77E-07	1.06E-06	5.41E-08	4.60E-07	1.01E-06
9,268	5.96E-08	5.05E-07	1.10E-06	6.00E-08	5.06E-07	1.10E-06	5.67E-08	4.93E-07	1.07E-06	5.80E-08	4.76E-07	1.06E-06	5.40E-08	4.60E-07	1.01E-06
9,269	5.95E-08	5.05E-07	1.10E-06	6.00E-08	5.04E-07	1.10E-06	5.67E-08	4.93E-07	1.07E-06	5.79E-08	4.76E-07	1.06E-06	5.40E-08	4.60E-07	1.01E-06
9,270	5.94E-08	5.04E-07	1.09E-06	5.99E-08	5.04E-07	1.10E-06	5.66E-08	4.92E-07	1.07E-06	5.79E-08	4.75E-07	1.06E-06	5.39E-08	4.59E-07	1.01E-06
9,271	5.94E-08	5.04E-07	1.09E-06	5.98E-08	5.04E-07	1.10E-06	5.66E-08	4.92E-07	1.06E-06	5.79E-08	4.75E-07	1.06E-06	5.39E-08	4.59E-07	1.01E-06
9,272	5.93E-08	5.04E-07	1.09E-06	5.98E-08	5.03E-07	1.10E-06	5.66E-08	4.92E-07	1.06E-06	5.79E-08	4.75E-07	1.05E-06	5.38E-08	4.58E-07	1.01E-06
9,273	5.93E-08	5.04E-07	1.09E-06	5.96E-08	5.03E-07	1.10E-06	5.65E-08	4.92E-07	1.06E-06	5.78E-08	4.74E-07	1.05E-06	5.38E-08	4.58E-07	1.00E-06
9,274	5.92E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,278	5.91E-08	5.03E-07	1.09E-06	5.93E-08	5.01E-07	1.09E-06	5.64E-08	4.89E-07	1.06E-06	5.76E-08	4.73E-07	1.05E-06	5.35E-08	4.55E-07	9.99E-07
9,279	5.90E-08	5.03E-07	1.09E-06	5.93E-08	5.01E-07	1.09E-06	5.63E-08	4.89E-07	1.06E-06	5.76E-08	4.73E-07	1.05E-06	5.35E-08	4.55E-07	9.99E-07
9,280	5.90E-08	5.02E-07	1.09E-06	5.93E-08	5.01E-07	1.09E-06	5.62E-08	4.89E-07	1.06E-06	5.75E-08	4.73E-07	1.05E-06	5.35E-08	4.55E-07	9.99E-07
9,281	5.89E-08	5.02E-07	1.09E-06	5.92E-08	5.00E-07	1.09E-06	5.61E-08	4.88E-07	1.06E-06	5.74E-08	4.73E-07	1.05E-06	5.34E-08	4.54E-07	9.99E-07
9,282	5.87E-08	5.02E-07	1.09E-06	5.92E-08	5.00E-07	1.09E-06	5.61E-08	4.88E-07	1.06E-06	5.74E-08	4.73E-07	1.05E-06	5.34E-08	4.54E-07	9.98E-07
9,283	5.86E-08	5.02E-07	1.09E-06	5.92E-08	5.00E-07	1.09E-06	5.61E-08	4.88E-07	1.05E-06	5.73E-08	4.73E-07	1.05E-06	5.34E-08	4.53E-07	9.97E-07
9,284	5.86E-08	5.01E-07	1.09E-06	5.91E-08	5.00E-07	1.08E-06	5.60E-08	4.88E-07	1.05E-06	5.73E-08	4.72E-07	1.05E-06	5.33E-08	4.53E-07	9.97E-07
9,285	5.85E-08	5.00E-07	1.09E-06	5.91E-08	4.99E-07	1.08E-06	5.59E-08	4.88E-07	1.05E-06	5.73E-08	4.71E-07	1.05E-06	5.33E-08	4.53E-07	9.96E-07
9,286	5.85E-08	5.00E-07	1.09E-06	5.91E-08	4.98E-07	1.08E-06	5.59E-08	4.88E-07	1.05E-06	5.72E-08	4.70E-07	1.04E-06	5.32E-08	4.53E-07	9.96E-07
9,287	5.85E-08	5.00E-07	1.09E-06	5.90E-08	4.96E-07	1.08E-06	5.59E-08	4.86E-07	1.05E-06	5.70E-08	4.70E-07	1.04E-06	5.31E-08	4.53E-07	9.94E-07
9,288	5.84E-08	5.00E-07	1.08E-06	5.89E-08	4.96E-07	1.08E-06	5.57E-08	4.86E-07	1.05E-06	5.70E-08	4.69E-07	1.04E-06	5.31E-08	4.52E-07	9.94E-07
9,289	5.83E-08	4.99E-07	1.08E-06	5.89E-08	4.95E-07	1.08E-06	5.57E-08	4.86E-07	1.05E-06	5.70E-08	4.69E-07	1.04E-06	5.31E-08	4.52E-07	9.94E-07
9,290	5.83E-08	4.99E-07	1.08E-06	5.89E-08	4.95E-07	1.08E-06	5.57E-08	4.85E-07	1.05E-06	5.69E-08	4.68E-07	1.04E-06	5.30E-08	4.52E-07	9.93E-07
9,291	5.82E-08	4.99E-07	1.08E-06	5.88E-08	4.95E-07	1.08E-06	5.57E-08	4.85E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	5.30E-08	4.52E-07	9.93E-07
9,292	5.81E-08	4.98E-07	1.08E-06	5.88E-08	4.95E-07	1.08E-06	5.56E-08	4.85E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	5.30E-08	4.51E-07	9.92E-07
9,293	5.81E-08	4.98E-07	1.08E-06	5.86E-08	4.95E-07	1.08E-06	5.56E-08	4.84E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	5.30E-08	4.51E-07	9.92E-07
9,294	5.78E-08	4.98E-07	1.08E-06	5.86E-08	4.94E-07	1.07E-06	5.56E-08	4.83E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	5.30E-08	4.51E-07	9.90E-07
9,295	5.78E-08	4.98E-07	1.08E-06	5.86E-08	4.91E-07	1.07E-06	5.52E-08	4.83E-07	1.05E-06	5.67E-08	4.68E-07	1.04E-06	5.29E-08	4.51E-07	9.90E-07
9,296	5.78E-08	4.96E-07	1.08E-06	5.86E-08	4.91E-07	1.07E-06	5.51E-08	4.83E-07	1.05E-06	5.67E-08	4.67E-07	1.04E-06	5.29E-08	4.51E-07	9.89E-07
9,297	5.77E-08	4.96E-07	1.08E-06	5.85E-08	4.90E-07	1.07E-06	5.51E-08	4.83E-07	1.05E-06	5.67E-08	4.67E-07	1.04E-06	5.29E-08	4.50E-07	9.89E-07
9,298	5.76E-08	4.96E-07	1.08E-06	5.85E-08	4.89E-07	1.07E-06	5.50E-08	4.82E-07	1.05E-06	5.67E-08	4.66E-07	1.04E-06	5.28E-08	4.50E-07	9.88E-07
9,299	5.76E-08	4.95E-07	1.08E-06	5.85E-08	4.89E-07	1.07E-06	5.49E-08	4.82E-07	1.05E-06	5.67E-08	4.66E-07	1.04E-06	5.28E-08	4.50E-07	9.87E-07
9,300	5.76E-08	4.95E-07	1.08E-06	5.85E-08	4.89E-07	1.07E-06	5.49E-08	4.82E-07	1.04E-06	5.64E-08	4.65E-07	1.04E-06	5.28E-08	4.49E-07	9.87E-07
9,301	5.75E-08	4.95E-07	1.08E-06	5.84E-08	4.89E-07	1.07E-06	5.49E-08	4.82E-07	1.04E-06	5.64E-08	4.65E-07	1.04E-06	5.28E-08	4.49E-07	9.86E-07
9,302	5.75E-08	4.94E-07	1.08E-06	5.84E-08	4.88E-07	1.07E-06	5.49E-08	4.82E-07	1.04E-06	5.63E-08	4.64E-07	1.04E-06	5.28E-08	4.48E-07	9.85E-07
9,303	5.75E-08	4.94E-07	1.07E-06	5.83E-08	4.88E-07	1.07E-06	5.48E-08	4.81E-07	1.04E-06	5.63E-08	4.64E-07	1.03E-06	5.28E-08	4.47E-07	9.85E-07
9,304	5.74E-08	4.94E-07	1.07E-06	5.83E-08	4.88E-07	1.07E-06	5.48E-08	4.80E-07	1.04E-06	5.63E-08	4.64E-07	1.03E-06	5.27E-08	4.47E-07	9.84E-07
9,305	5.73E-08	4.92E-07	1.07E-06	5.83E-08	4.86E-07	1.07E-06	5.48E-08	4.79E-07	1.04E-06	5.62E-08	4.63E-07	1.03E-06	5.27E-08	4.47E-07	9.84E-07
9,306	5.72E-08	4.92E-07	1.07E-06	5.83E-08	4.86E-07	1.07E-06	5.47E-08	4.79E-07	1.04E-06	5.62E-08	4.63E-07	1.03E-06	5.27E-08	4.46E-07	9.82E-07
9,307	5.72E-08	4.91E-07	1.07E-06	5.83E-08	4.86E-07	1.07E-06	5.47E-08	4.79E-07	1.04E-06	5.61E-08	4.63E-07	1.03E-06	5.25E-08	4.46E-07	9.81E-07
9,308	5.71E-08	4.90E-07	1.07E-06	5.82E-08	4.86E-07	1.07E-06	5.46E-08	4.78E-07	1.04E-06	5.60E-08	4.62E-07	1.03E-06	5.25E-08	4.46E-07	9.79E-07
9,309	5.70E-08	4.90E-07	1.07E-06	5.82E-08	4.86E-07	1.06E-06	5.46E-08	4.77E-07	1.03E-06	5.60E-08	4.61E-07	1.03E-06	5.24E-08	4.46E-07	9.78E-07
9,310	5.70E-08	4.90E-07	1.07E-06	5.82E-08	4.85E-07	1.06E-06	5.46E-08	4.77E-07	1.03E-06	5.60E-08	4.61E-07	1.03E-06	5.24E-08	4.45E-07	9.78E-07
9,311	5.68E-08	4.89E-07	1.07E-06	5.82E-08	4.84E-07	1.06E-06	5.45E-08	4.76E-07	1.03E-06	5.60E-08	4.60E-07	1.03E-06	5.23E-08	4.45E-07	9.76E-07
9,312	5.68E-08	4.88E-07	1.07E-06	5.82E-08	4.84E-07	1.06E-06	5.45E-08	4.76E-07	1.03E-06	5.60E-08	4.59E-07	1.03E-06	5.23E-08	4.45E-07	9.76E-07
9,313	5.68E-08	4.87E-07	1.06E-06	5.81E-08	4.84E-07	1.06E-06	5.45E-08	4.76E-07	1.03E-06	5.59E-08	4.58E-07	1.03E-06	5.22E-08	4.44E-07	9.76E-07
9,314	5.67E-08	4.87E-07	1.06E-06	5.81E-08	4.82E-07	1.06E-06	5.44E-08	4.76E-07	1.03E-06	5.57E-08	4.58E-07	1.03E-06	5.22E-08	4.43E-07	9.74E-07
9,315	5.67E-08	4.87E-07	1.06E-06	5.81E-08	4.82E-07	1.06E-06	5.44E-08	4.76E-07	1.03E-06	5.57E-08	4.58E-07	1.03E-06	5.22E-08	4.43E-07	9.74E-07
9,316	5.66E-08	4.86E-07	1.06E-06	5.81E-08	4.82E-07	1.06E-06	5.44E-08	4.76E-07	1.03E-06	5.57E-08	4.57E-07	1.03E-06	5.21E-08	4.43E-07	9.72E-07
9,317	5.66E-08	4.86E-07	1.06E-06	5.81E-08	4.82E-07	1.06E-06	5.43E-08	4.75E-07	1.03E-06	5.55E-08	4.57E-07	1.02E-06	5.19E-08	4.43E-07	9.71E-07
9,318	5.66E-08	4.85E-07	1.06E-06	5.80E-08	4.81E-07	1.06E-06	5.42E-08	4.74E-07	1.03E-06	5.54E-08	4.56E-07	1.02E-06	5.19E-08	4.43E-07	9.71E-07
9,319	5.66E-08	4.85E-07	1.06E-06	5.79E-08	4.81E-07	1.05E-06	5.42E-08	4.74E-07	1.03E-06	5.54E-08	4.56E-07	1.02E-06	5.17E-08	4.42E-07	9.70E-07
9,320	5.66E-08	4.84E-07	1.05E-06	5.76E-08	4.81E-07	1.05E-06	5.42E-08	4.73E-07	1.03E-06	5.53E-08	4.56E-07	1.02E-06	5.17E-08	4.42E-07	9.69E-07
9,321	5.65E-08	4.83E-07	1.05E-06	5.76E-08	4.81E-07	1.05E-06	5.41E-08	4.73E-07	1.03E-06	5.53E-08	4.56E-07	1.02E-06	5.17E-08	4.41E-07	9.69E-07
9,322	5.64E-08	4.83E-07	1.05E-06	5.76E-08	4.80E-07	1.05E-06	5.40E-08	4.72E-07	1.03E-06	5.51E-08	4.55E-07	1.02E-06	5.16E-08	4.41E-07	9.67E-07
9,323	5.64E-08	4.83E-07	1.05E-06	5.76E-08	4.80E-07	1.05E-06	5.39E-08	4.72E-07	1.03E-06	5.51E-08	4.55E-07	1.02E-06	5.16E-08	4.41E-07	9.67E-07
9,324	5.63E-08	4.82E-07	1.05E-06	5.75E-08	4.80E-07	1.05E-06	5.38E-08	4.72E-07	1.03E-06	5.51E-08	4.55E-07	1.02E-06	5.15E-08	4.40E-07	9.66E-07
9,325	5.62E-08	4.82E-07	1.05E-06	5.75E-08	4.79E-07	1.05E-06	5.38E-08	4.71E-07	1.02E-06	5.50E-08	4.54E-07	1.02E-06	5.15E-08	4.40E-07	9.65E-07
9,326	5.62E-08	4.81E-07	1.05E-06	5.75E-08	4.79E-07	1.05E-06	5.37E-08	4.71E-07	1.02E-06	5.50E-08	4.54E-07	1.01E-06	5.15E-08	4.40E-07	9.62E-07
9,327	5.61E-08	4.81E-07	1.05E-06	5.74E-08	4.79E-07	1.05E-06	5.37E-08	4.71E-07	1.02E-06	5.50E-08	4.54E-07	1.01E-06	5.14E-08	4.40E-07	9.61E-07
9,328	5.61E-08	4.81E-07	1.05E-06	5.74E-08	4.78E-07	1.05E-06	5.37E-08	4.70E-07	1.02E-06	5.50E-08	4.53E-07	1.01E-06	5.14E-08	4.39E-07	9.60E-07
9,329	5.61E-08	4.81E-07	1.05E-06	5.73E-08	4.77E-07	1.04E-06	5.36E-08	4.70E-07	1.02E-06	5.49E-08	4.53E-07	1.01E-06	5.12E-08	4.39E-07	9.59E-07
9,330	5.61E-08	4.80E-07	1.05E-06	5.73E-08	4.76E-07	1.04E-06	5.35E-08	4.70E-07	1.02E-06	5.49E-08	4.52E-07	1.01E-06	5.12E-08	4.39E-07	9.58E-07
9,331	5.60E-08	4.80E-07	1.05E-06	5.73E-08	4.76E-07	1.04E-06	5.35E-08	4.70E-07	1.02E-06	5.49E-08	4.52E-07	1.01E-06	5.12E-08	4.38E-07	9.58E-07
9,332	5.59E-08	4.79E-07	1.05E-06	5.73E-08	4.75E-07	1.04E-06	5.35E-08	4.69E-07	1.02E-06	5.48E-08	4.52E-07	1.01E-06	5.11E-08	4.37E-07	9.55E-07
9,333	5.59E-08	4.79E-07	1.04E-06	5.71E-08	4.74E-07	1.04E-06	5.33E-08	4.69E-07	1.02E-06	5.48E-08	4.52E-07	1.01E-06	5.11E-08	4.37E-07	9.55E-07
9,334	5.59E-08	4.79E-07	1.04E-06	5.71E-08	4.74E-07	1.04E-06	5.33E-08	4.69E-07	1.02E-06	5.48E-08	4.52E-07	1.01E-06	5.11E-08	4.36E-07	9.55E-07
9,335	5.58E-08	4.79E-07	1.04E-06	5.70E-08	4.74E-07	1.04E-06	5.33E-08	4.69E-07	1.02E-06	5.47E-08	4.51E-07	1.01E-06	5.10E-08	4.36E-07	9.55E-07
9,336	5.58E-08														

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,340	5.56E-08	4.75E-07	1.04E-06	5.66E-08	4.72E-07	1.04E-06	5.31E-08	4.66E-07	1.02E-06	5.43E-08	4.48E-07	1.01E-06	5.06E-08	4.33E-07	9.52E-07
9,341	5.55E-08	4.75E-07	1.03E-06	5.64E-08	4.72E-07	1.04E-06	5.31E-08	4.66E-07	1.01E-06	5.43E-08	4.48E-07	1.00E-06	5.06E-08	4.33E-07	9.52E-07
9,342	5.54E-08	4.75E-07	1.03E-06	5.63E-08	4.72E-07	1.04E-06	5.30E-08	4.64E-07	1.01E-06	5.40E-08	4.47E-07	1.00E-06	5.06E-08	4.33E-07	9.51E-07
9,343	5.54E-08	4.75E-07	1.03E-06	5.63E-08	4.71E-07	1.04E-06	5.30E-08	4.64E-07	1.01E-06	5.40E-08	4.47E-07	1.00E-06	5.06E-08	4.31E-07	9.50E-07
9,344	5.53E-08	4.75E-07	1.03E-06	5.63E-08	4.70E-07	1.03E-06	5.29E-08	4.64E-07	1.01E-06	5.40E-08	4.47E-07	1.00E-06	5.05E-08	4.31E-07	9.48E-07
9,345	5.52E-08	4.73E-07	1.03E-06	5.62E-08	4.70E-07	1.03E-06	5.28E-08	4.64E-07	1.01E-06	5.40E-08	4.47E-07	9.99E-07	5.05E-08	4.31E-07	9.47E-07
9,346	5.52E-08	4.73E-07	1.03E-06	5.61E-08	4.70E-07	1.03E-06	5.28E-08	4.64E-07	1.01E-06	5.39E-08	4.47E-07	9.98E-07	5.05E-08	4.31E-07	9.46E-07
9,347	5.52E-08	4.72E-07	1.03E-06	5.59E-08	4.70E-07	1.03E-06	5.28E-08	4.64E-07	1.01E-06	5.38E-08	4.46E-07	9.98E-07	5.04E-08	4.30E-07	9.46E-07
9,348	5.51E-08	4.72E-07	1.03E-06	5.59E-08	4.70E-07	1.03E-06	5.27E-08	4.63E-07	1.01E-06	5.38E-08	4.46E-07	9.97E-07	5.04E-08	4.30E-07	9.46E-07
9,349	5.50E-08	4.72E-07	1.03E-06	5.59E-08	4.69E-07	1.03E-06	5.27E-08	4.63E-07	1.01E-06	5.38E-08	4.46E-07	9.96E-07	5.04E-08	4.30E-07	9.45E-07
9,350	5.49E-08	4.72E-07	1.03E-06	5.59E-08	4.68E-07	1.03E-06	5.26E-08	4.63E-07	1.01E-06	5.38E-08	4.46E-07	9.95E-07	5.04E-08	4.30E-07	9.45E-07
9,351	5.49E-08	4.72E-07	1.03E-06	5.59E-08	4.68E-07	1.03E-06	5.26E-08	4.63E-07	1.01E-06	5.37E-08	4.46E-07	9.94E-07	5.03E-08	4.30E-07	9.44E-07
9,352	5.47E-08	4.72E-07	1.02E-06	5.58E-08	4.68E-07	1.03E-06	5.26E-08	4.62E-07	1.01E-06	5.36E-08	4.45E-07	9.93E-07	5.03E-08	4.29E-07	9.43E-07
9,353	5.47E-08	4.72E-07	1.02E-06	5.58E-08	4.68E-07	1.03E-06	5.25E-08	4.62E-07	1.01E-06	5.35E-08	4.45E-07	9.92E-07	5.03E-08	4.29E-07	9.41E-07
9,354	5.47E-08	4.72E-07	1.02E-06	5.58E-08	4.67E-07	1.03E-06	5.25E-08	4.61E-07	1.01E-06	5.35E-08	4.44E-07	9.92E-07	5.01E-08	4.27E-07	9.39E-07
9,355	5.46E-08	4.71E-07	1.02E-06	5.58E-08	4.67E-07	1.03E-06	5.25E-08	4.61E-07	1.01E-06	5.34E-08	4.44E-07	9.91E-07	5.01E-08	4.27E-07	9.39E-07
9,356	5.45E-08	4.71E-07	1.02E-06	5.58E-08	4.67E-07	1.03E-06	5.25E-08	4.61E-07	1.01E-06	5.34E-08	4.43E-07	9.91E-07	5.01E-08	4.26E-07	9.39E-07
9,357	5.45E-08	4.71E-07	1.02E-06	5.57E-08	4.67E-07	1.02E-06	5.24E-08	4.61E-07	1.00E-06	5.34E-08	4.42E-07	9.91E-07	5.01E-08	4.26E-07	9.37E-07
9,358	5.45E-08	4.71E-07	1.02E-06	5.57E-08	4.66E-07	1.02E-06	5.23E-08	4.60E-07	1.00E-06	5.32E-08	4.42E-07	9.91E-07	4.99E-08	4.26E-07	9.37E-07
9,359	5.44E-08	4.70E-07	1.02E-06	5.57E-08	4.66E-07	1.02E-06	5.22E-08	4.60E-07	1.00E-06	5.32E-08	4.42E-07	9.91E-07	4.98E-08	4.26E-07	9.36E-07
9,360	5.44E-08	4.70E-07	1.01E-06	5.56E-08	4.65E-07	1.02E-06	5.22E-08	4.60E-07	1.00E-06	5.32E-08	4.42E-07	9.90E-07	4.97E-08	4.25E-07	9.36E-07
9,361	5.44E-08	4.69E-07	1.01E-06	5.56E-08	4.65E-07	1.02E-06	5.22E-08	4.60E-07	1.00E-06	5.31E-08	4.42E-07	9.90E-07	4.97E-08	4.25E-07	9.36E-07
9,362	5.43E-08	4.69E-07	1.01E-06	5.56E-08	4.65E-07	1.02E-06	5.22E-08	4.59E-07	1.00E-06	5.31E-08	4.42E-07	9.89E-07	4.97E-08	4.24E-07	9.35E-07
9,363	5.43E-08	4.69E-07	1.01E-06	5.55E-08	4.65E-07	1.02E-06	5.21E-08	4.58E-07	1.00E-06	5.31E-08	4.42E-07	9.89E-07	4.96E-08	4.24E-07	9.34E-07
9,364	5.41E-08	4.69E-07	1.01E-06	5.55E-08	4.64E-07	1.02E-06	5.21E-08	4.56E-07	1.00E-06	5.31E-08	4.42E-07	9.89E-07	4.95E-08	4.23E-07	9.33E-07
9,365	5.41E-08	4.68E-07	1.01E-06	5.55E-08	4.63E-07	1.02E-06	5.21E-08	4.56E-07	9.97E-07	5.30E-08	4.42E-07	9.88E-07	4.95E-08	4.23E-07	9.32E-07
9,366	5.41E-08	4.68E-07	1.01E-06	5.55E-08	4.63E-07	1.02E-06	5.20E-08	4.56E-07	9.97E-07	5.28E-08	4.42E-07	9.88E-07	4.95E-08	4.23E-07	9.32E-07
9,367	5.41E-08	4.68E-07	1.01E-06	5.54E-08	4.62E-07	1.02E-06	5.20E-08	4.55E-07	9.95E-07	5.27E-08	4.41E-07	9.85E-07	4.94E-08	4.22E-07	9.31E-07
9,368	5.40E-08	4.67E-07	1.01E-06	5.53E-08	4.62E-07	1.02E-06	5.20E-08	4.55E-07	9.95E-07	5.26E-08	4.41E-07	9.85E-07	4.94E-08	4.22E-07	9.31E-07
9,369	5.40E-08	4.66E-07	1.01E-06	5.53E-08	4.61E-07	1.02E-06	5.19E-08	4.54E-07	9.94E-07	5.26E-08	4.41E-07	9.84E-07	4.94E-08	4.20E-07	9.30E-07
9,370	5.40E-08	4.66E-07	1.01E-06	5.53E-08	4.61E-07	1.01E-06	5.19E-08	4.54E-07	9.94E-07	5.25E-08	4.41E-07	9.84E-07	4.94E-08	4.20E-07	9.29E-07
9,371	5.40E-08	4.66E-07	1.01E-06	5.53E-08	4.61E-07	1.01E-06	5.18E-08	4.54E-07	9.94E-07	5.25E-08	4.41E-07	9.82E-07	4.93E-08	4.19E-07	9.29E-07
9,372	5.40E-08	4.64E-07	1.01E-06	5.53E-08	4.60E-07	1.01E-06	5.18E-08	4.54E-07	9.93E-07	5.24E-08	4.41E-07	9.82E-07	4.93E-08	4.19E-07	9.29E-07
9,373	5.40E-08	4.63E-07	1.01E-06	5.53E-08	4.60E-07	1.01E-06	5.18E-08	4.54E-07	9.92E-07	5.23E-08	4.41E-07	9.82E-07	4.92E-08	4.18E-07	9.28E-07
9,374	5.39E-08	4.63E-07	1.01E-06	5.52E-08	4.60E-07	1.01E-06	5.17E-08	4.54E-07	9.91E-07	5.23E-08	4.41E-07	9.82E-07	4.92E-08	4.17E-07	9.28E-07
9,375	5.39E-08	4.63E-07	1.01E-06	5.52E-08	4.59E-07	1.01E-06	5.17E-08	4.53E-07	9.91E-07	5.23E-08	4.40E-07	9.80E-07	4.92E-08	4.17E-07	9.26E-07
9,376	5.38E-08	4.63E-07	1.01E-06	5.52E-08	4.59E-07	1.01E-06	5.17E-08	4.53E-07	9.88E-07	5.23E-08	4.40E-07	9.80E-07	4.91E-08	4.17E-07	9.26E-07
9,377	5.38E-08	4.62E-07	1.01E-06	5.52E-08	4.59E-07	1.01E-06	5.16E-08	4.53E-07	9.86E-07	5.23E-08	4.40E-07	9.79E-07	4.91E-08	4.17E-07	9.26E-07
9,378	5.38E-08	4.62E-07	1.01E-06	5.50E-08	4.59E-07	1.01E-06	5.16E-08	4.53E-07	9.85E-07	5.23E-08	4.40E-07	9.78E-07	4.90E-08	4.17E-07	9.26E-07
9,379	5.38E-08	4.62E-07	1.01E-06	5.50E-08	4.58E-07	1.01E-06	5.16E-08	4.52E-07	9.85E-07	5.22E-08	4.38E-07	9.78E-07	4.90E-08	4.16E-07	9.26E-07
9,380	5.37E-08	4.61E-07	1.01E-06	5.49E-08	4.58E-07	1.01E-06	5.15E-08	4.51E-07	9.83E-07	5.22E-08	4.38E-07	9.78E-07	4.89E-08	4.16E-07	9.25E-07
9,381	5.37E-08	4.61E-07	1.01E-06	5.49E-08	4.57E-07	1.01E-06	5.15E-08	4.50E-07	9.83E-07	5.21E-08	4.37E-07	9.77E-07	4.87E-08	4.16E-07	9.25E-07
9,382	5.36E-08	4.60E-07	1.01E-06	5.48E-08	4.57E-07	1.01E-06	5.15E-08	4.49E-07	9.82E-07	5.21E-08	4.37E-07	9.77E-07	4.87E-08	4.16E-07	9.25E-07
9,383	5.35E-08	4.59E-07	1.00E-06	5.48E-08	4.56E-07	1.01E-06	5.14E-08	4.48E-07	9.81E-07	5.20E-08	4.37E-07	9.76E-07	4.86E-08	4.16E-07	9.20E-07
9,384	5.35E-08	4.59E-07	1.00E-06	5.47E-08	4.56E-07	1.01E-06	5.14E-08	4.48E-07	9.77E-07	5.20E-08	4.35E-07	9.75E-07	4.86E-08	4.15E-07	9.19E-07
9,385	5.34E-08	4.58E-07	1.00E-06	5.46E-08	4.55E-07	1.00E-06	5.14E-08	4.46E-07	9.77E-07	5.19E-08	4.35E-07	9.75E-07	4.86E-08	4.15E-07	9.18E-07
9,386	5.34E-08	4.58E-07	1.00E-06	5.46E-08	4.54E-07	1.00E-06	5.13E-08	4.46E-07	9.77E-07	5.18E-08	4.34E-07	9.75E-07	4.86E-08	4.15E-07	9.17E-07
9,387	5.34E-08	4.57E-07	1.00E-06	5.46E-08	4.54E-07	1.00E-06	5.13E-08	4.46E-07	9.75E-07	5.17E-08	4.33E-07	9.75E-07	4.85E-08	4.14E-07	9.17E-07
9,388	5.33E-08	4.56E-07	1.00E-06	5.46E-08	4.53E-07	1.00E-06	5.12E-08	4.46E-07	9.74E-07	5.16E-08	4.33E-07	9.74E-07	4.85E-08	4.14E-07	9.15E-07
9,389	5.33E-08	4.56E-07	1.00E-06	5.45E-08	4.53E-07	1.00E-06	5.12E-08	4.46E-07	9.71E-07	5.15E-08	4.32E-07	9.73E-07	4.83E-08	4.14E-07	9.13E-07
9,390	5.33E-08	4.56E-07	1.00E-06	5.45E-08	4.53E-07	9.99E-07	5.11E-08	4.46E-07	9.70E-07	5.14E-08	4.32E-07	9.72E-07	4.83E-08	4.13E-07	9.12E-07
9,391	5.33E-08	4.55E-07	1.00E-06	5.45E-08	4.52E-07	9.96E-07	5.11E-08	4.45E-07	9.68E-07	5.14E-08	4.32E-07	9.69E-07	4.83E-08	4.13E-07	9.11E-07
9,392	5.30E-08	4.54E-07	1.00E-06	5.45E-08	4.52E-07	9.95E-07	5.11E-08	4.45E-07	9.66E-07	5.12E-08	4.32E-07	9.69E-07	4.83E-08	4.12E-07	9.11E-07
9,393	5.30E-08	4.54E-07	9.99E-07	5.44E-08	4.52E-07	9.94E-07	5.11E-08	4.45E-07	9.66E-07	5.10E-08	4.31E-07	9.69E-07	4.82E-08	4.12E-07	9.08E-07
9,394	5.30E-08	4.54E-07	9.99E-07	5.43E-08	4.52E-07	9.93E-07	5.10E-08	4.44E-07	9.64E-07	5.10E-08	4.30E-07	9.68E-07	4.82E-08	4.12E-07	9.08E-07
9,395	5.29E-08	4.53E-07	9.98E-07	5.43E-08	4.52E-07	9.93E-07	5.09E-08	4.44E-07	9.63E-07	5.09E-08	4.30E-07	9.68E-07	4.82E-08	4.12E-07	9.08E-07
9,396	5.29E-08	4.52E-07	9.96E-07	5.43E-08	4.51E-07	9.93E-07	5.07E-08	4.44E-07	9.63E-07	5.09E-08	4.30E-07	9.67E-07	4.82E-08	4.12E-07	9.07E-07
9,397	5.27E-08	4.51E-07	9.95E-07	5.42E-08	4.51E-07	9.92E-07	5.07E-08	4.44E-07	9.63E-07	5.09E-08	4.30E-07	9.67E-07	4.82E-08	4.11E-07	9.0

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,402	5.24E-08	4.48E-07	9.92E-07	5.38E-08	4.49E-07	9.91E-07	5.04E-08	4.42E-07	9.60E-07	5.04E-08	4.28E-07	9.64E-07	4.79E-08	4.09E-07	8.99E-07
9,403	5.22E-08	4.48E-07	9.92E-07	5.37E-08	4.49E-07	9.90E-07	5.03E-08	4.42E-07	9.59E-07	5.03E-08	4.28E-07	9.64E-07	4.79E-08	4.09E-07	8.98E-07
9,404	5.22E-08	4.47E-07	9.91E-07	5.36E-08	4.48E-07	9.89E-07	5.03E-08	4.42E-07	9.57E-07	5.03E-08	4.28E-07	9.61E-07	4.79E-08	4.08E-07	8.98E-07
9,405	5.22E-08	4.47E-07	9.91E-07	5.36E-08	4.48E-07	9.89E-07	5.03E-08	4.42E-07	9.57E-07	5.03E-08	4.28E-07	9.61E-07	4.78E-08	4.08E-07	8.97E-07
9,406	5.21E-08	4.46E-07	9.88E-07	5.36E-08	4.47E-07	9.88E-07	5.02E-08	4.41E-07	9.55E-07	5.02E-08	4.27E-07	9.60E-07	4.77E-08	4.07E-07	8.97E-07
9,407	5.21E-08	4.45E-07	9.87E-07	5.35E-08	4.47E-07	9.88E-07	5.02E-08	4.40E-07	9.54E-07	4.99E-08	4.27E-07	9.58E-07	4.77E-08	4.07E-07	8.95E-07
9,408	5.21E-08	4.45E-07	9.87E-07	5.35E-08	4.45E-07	9.87E-07	5.01E-08	4.40E-07	9.54E-07	4.99E-08	4.27E-07	9.58E-07	4.76E-08	4.07E-07	8.95E-07
9,409	5.21E-08	4.44E-07	9.87E-07	5.35E-08	4.44E-07	9.87E-07	5.01E-08	4.39E-07	9.53E-07	4.99E-08	4.27E-07	9.57E-07	4.75E-08	4.07E-07	8.94E-07
9,410	5.21E-08	4.44E-07	9.86E-07	5.34E-08	4.43E-07	9.86E-07	5.00E-08	4.38E-07	9.53E-07	4.98E-08	4.27E-07	9.57E-07	4.75E-08	4.06E-07	8.94E-07
9,411	5.21E-08	4.44E-07	9.84E-07	5.33E-08	4.42E-07	9.86E-07	5.00E-08	4.38E-07	9.52E-07	4.98E-08	4.27E-07	9.56E-07	4.74E-08	4.06E-07	8.94E-07
9,412	5.20E-08	4.43E-07	9.84E-07	5.33E-08	4.42E-07	9.84E-07	4.99E-08	4.38E-07	9.52E-07	4.97E-08	4.26E-07	9.56E-07	4.74E-08	4.06E-07	8.94E-07
9,413	5.19E-08	4.43E-07	9.84E-07	5.33E-08	4.42E-07	9.84E-07	4.99E-08	4.36E-07	9.51E-07	4.97E-08	4.26E-07	9.53E-07	4.74E-08	4.05E-07	8.93E-07
9,414	5.19E-08	4.42E-07	9.83E-07	5.33E-08	4.42E-07	9.84E-07	4.98E-08	4.36E-07	9.51E-07	4.96E-08	4.24E-07	9.53E-07	4.74E-08	4.05E-07	8.92E-07
9,415	5.18E-08	4.42E-07	9.82E-07	5.32E-08	4.41E-07	9.84E-07	4.98E-08	4.35E-07	9.50E-07	4.96E-08	4.24E-07	9.52E-07	4.74E-08	4.05E-07	8.91E-07
9,416	5.16E-08	4.41E-07	9.81E-07	5.31E-08	4.41E-07	9.83E-07	4.98E-08	4.34E-07	9.50E-07	4.96E-08	4.24E-07	9.49E-07	4.74E-08	4.05E-07	8.90E-07
9,417	5.15E-08	4.41E-07	9.81E-07	5.30E-08	4.41E-07	9.80E-07	4.97E-08	4.34E-07	9.49E-07	4.95E-08	4.24E-07	9.47E-07	4.73E-08	4.05E-07	8.89E-07
9,418	5.14E-08	4.41E-07	9.80E-07	5.29E-08	4.40E-07	9.78E-07	4.97E-08	4.33E-07	9.45E-07	4.94E-08	4.23E-07	9.47E-07	4.73E-08	4.04E-07	8.88E-07
9,419	5.14E-08	4.40E-07	9.79E-07	5.29E-08	4.39E-07	9.77E-07	4.97E-08	4.33E-07	9.44E-07	4.94E-08	4.23E-07	9.47E-07	4.72E-08	4.04E-07	8.87E-07
9,420	5.14E-08	4.40E-07	9.77E-07	5.28E-08	4.39E-07	9.76E-07	4.96E-08	4.33E-07	9.42E-07	4.94E-08	4.22E-07	9.46E-07	4.72E-08	4.04E-07	8.87E-07
9,421	5.14E-08	4.40E-07	9.77E-07	5.28E-08	4.39E-07	9.75E-07	4.95E-08	4.33E-07	9.41E-07	4.93E-08	4.22E-07	9.46E-07	4.72E-08	4.04E-07	8.87E-07
9,422	5.13E-08	4.39E-07	9.75E-07	5.28E-08	4.38E-07	9.75E-07	4.95E-08	4.32E-07	9.41E-07	4.92E-08	4.22E-07	9.45E-07	4.71E-08	4.03E-07	8.87E-07
9,423	5.12E-08	4.38E-07	9.74E-07	5.27E-08	4.37E-07	9.75E-07	4.95E-08	4.32E-07	9.38E-07	4.92E-08	4.22E-07	9.44E-07	4.70E-08	4.03E-07	8.86E-07
9,424	5.12E-08	4.38E-07	9.69E-07	5.27E-08	4.37E-07	9.74E-07	4.95E-08	4.32E-07	9.38E-07	4.91E-08	4.21E-07	9.44E-07	4.69E-08	4.03E-07	8.86E-07
9,425	5.11E-08	4.38E-07	9.68E-07	5.25E-08	4.37E-07	9.74E-07	4.94E-08	4.32E-07	9.38E-07	4.91E-08	4.21E-07	9.44E-07	4.69E-08	4.03E-07	8.86E-07
9,426	5.10E-08	4.38E-07	9.66E-07	5.25E-08	4.36E-07	9.74E-07	4.93E-08	4.31E-07	9.37E-07	4.90E-08	4.21E-07	9.41E-07	4.68E-08	4.02E-07	8.85E-07
9,427	5.09E-08	4.37E-07	9.66E-07	5.24E-08	4.36E-07	9.74E-07	4.93E-08	4.30E-07	9.33E-07	4.90E-08	4.20E-07	9.41E-07	4.68E-08	4.02E-07	8.82E-07
9,428	5.08E-08	4.37E-07	9.66E-07	5.24E-08	4.36E-07	9.73E-07	4.92E-08	4.29E-07	9.32E-07	4.90E-08	4.19E-07	9.39E-07	4.68E-08	4.02E-07	8.82E-07
9,429	5.08E-08	4.37E-07	9.65E-07	5.23E-08	4.36E-07	9.73E-07	4.92E-08	4.29E-07	9.31E-07	4.89E-08	4.19E-07	9.38E-07	4.68E-08	4.02E-07	8.82E-07
9,430	5.08E-08	4.36E-07	9.65E-07	5.23E-08	4.35E-07	9.72E-07	4.92E-08	4.29E-07	9.30E-07	4.89E-08	4.19E-07	9.38E-07	4.68E-08	4.01E-07	8.82E-07
9,431	5.08E-08	4.34E-07	9.64E-07	5.23E-08	4.34E-07	9.72E-07	4.90E-08	4.28E-07	9.28E-07	4.89E-08	4.19E-07	9.38E-07	4.67E-08	4.00E-07	8.81E-07
9,432	5.07E-08	4.34E-07	9.63E-07	5.22E-08	4.34E-07	9.72E-07	4.88E-08	4.28E-07	9.27E-07	4.88E-08	4.19E-07	9.38E-07	4.67E-08	3.99E-07	8.81E-07
9,433	5.07E-08	4.34E-07	9.62E-07	5.20E-08	4.34E-07	9.71E-07	4.88E-08	4.27E-07	9.27E-07	4.88E-08	4.18E-07	9.37E-07	4.66E-08	3.99E-07	8.80E-07
9,434	5.07E-08	4.34E-07	9.61E-07	5.20E-08	4.34E-07	9.69E-07	4.88E-08	4.27E-07	9.27E-07	4.88E-08	4.18E-07	9.37E-07	4.66E-08	3.98E-07	8.79E-07
9,435	5.07E-08	4.33E-07	9.60E-07	5.17E-08	4.34E-07	9.67E-07	4.88E-08	4.26E-07	9.26E-07	4.88E-08	4.17E-07	9.35E-07	4.65E-08	3.98E-07	8.78E-07
9,436	5.06E-08	4.33E-07	9.58E-07	5.17E-08	4.32E-07	9.67E-07	4.87E-08	4.26E-07	9.26E-07	4.87E-08	4.17E-07	9.34E-07	4.65E-08	3.98E-07	8.78E-07
9,437	5.06E-08	4.33E-07	9.58E-07	5.17E-08	4.32E-07	9.66E-07	4.87E-08	4.26E-07	9.24E-07	4.87E-08	4.17E-07	9.33E-07	4.64E-08	3.96E-07	8.78E-07
9,438	5.06E-08	4.33E-07	9.56E-07	5.17E-08	4.32E-07	9.66E-07	4.87E-08	4.26E-07	9.24E-07	4.85E-08	4.17E-07	9.33E-07	4.63E-08	3.95E-07	8.77E-07
9,439	5.06E-08	4.32E-07	9.56E-07	5.17E-08	4.32E-07	9.65E-07	4.86E-08	4.25E-07	9.24E-07	4.84E-08	4.16E-07	9.32E-07	4.63E-08	3.95E-07	8.76E-07
9,440	5.05E-08	4.32E-07	9.56E-07	5.16E-08	4.31E-07	9.65E-07	4.86E-08	4.24E-07	9.24E-07	4.84E-08	4.15E-07	9.32E-07	4.62E-08	3.94E-07	8.75E-07
9,441	5.04E-08	4.32E-07	9.55E-07	5.15E-08	4.30E-07	9.63E-07	4.85E-08	4.23E-07	9.23E-07	4.84E-08	4.15E-07	9.29E-07	4.62E-08	3.94E-07	8.72E-07
9,442	5.03E-08	4.31E-07	9.55E-07	5.15E-08	4.29E-07	9.62E-07	4.85E-08	4.22E-07	9.21E-07	4.84E-08	4.14E-07	9.29E-07	4.61E-08	3.94E-07	8.72E-07
9,443	5.03E-08	4.30E-07	9.54E-07	5.15E-08	4.29E-07	9.59E-07	4.85E-08	4.22E-07	9.21E-07	4.83E-08	4.14E-07	9.28E-07	4.61E-08	3.94E-07	8.72E-07
9,444	5.02E-08	4.30E-07	9.54E-07	5.15E-08	4.29E-07	9.58E-07	4.84E-08	4.21E-07	9.20E-07	4.83E-08	4.12E-07	9.26E-07	4.61E-08	3.93E-07	8.72E-07
9,445	5.01E-08	4.30E-07	9.53E-07	5.15E-08	4.28E-07	9.58E-07	4.84E-08	4.21E-07	9.19E-07	4.82E-08	4.11E-07	9.26E-07	4.60E-08	3.93E-07	8.72E-07
9,446	5.01E-08	4.30E-07	9.52E-07	5.13E-08	4.27E-07	9.57E-07	4.83E-08	4.21E-07	9.19E-07	4.82E-08	4.11E-07	9.23E-07	4.58E-08	3.93E-07	8.71E-07
9,447	4.99E-08	4.30E-07	9.47E-07	5.13E-08	4.27E-07	9.56E-07	4.83E-08	4.21E-07	9.17E-07	4.82E-08	4.11E-07	9.23E-07	4.58E-08	3.92E-07	8.70E-07
9,448	4.99E-08	4.28E-07	9.47E-07	5.12E-08	4.26E-07	9.56E-07	4.83E-08	4.21E-07	9.17E-07	4.81E-08	4.11E-07	9.23E-07	4.57E-08	3.92E-07	8.69E-07
9,449	4.98E-08	4.27E-07	9.47E-07	5.11E-08	4.25E-07	9.56E-07	4.81E-08	4.20E-07	9.16E-07	4.81E-08	4.10E-07	9.22E-07	4.57E-08	3.91E-07	8.69E-07
9,450	4.97E-08	4.26E-07	9.46E-07	5.11E-08	4.25E-07	9.55E-07	4.81E-08	4.19E-07	9.15E-07	4.81E-08	4.10E-07	9.21E-07	4.57E-08	3.91E-07	8.68E-07
9,451	4.97E-08	4.26E-07	9.46E-07	5.10E-08	4.25E-07	9.54E-07	4.80E-08	4.19E-07	9.14E-07	4.80E-08	4.10E-07	9.19E-07	4.57E-08	3.89E-07	8.67E-07
9,452	4.97E-08	4.24E-07	9.44E-07	5.08E-08	4.25E-07	9.53E-07	4.80E-08	4.19E-07	9.14E-07	4.80E-08	4.09E-07	9.16E-07	4.57E-08	3.88E-07	8.65E-07
9,453	4.95E-08	4.23E-07	9.44E-07	5.06E-08	4.25E-07	9.50E-07	4.80E-08	4.19E-07	9.13E-07	4.79E-08	4.09E-07	9.16E-07	4.56E-08	3.88E-07	8.63E-07
9,454	4.95E-08	4.23E-07	9.43E-07	5.06E-08	4.25E-07	9.50E-07	4.80E-08	4.18E-07	9.12E-07	4.79E-08	4.09E-07	9.16E-07	4.55E-08	3.88E-07	8.63E-07
9,455	4.94E-08	4.22E-07	9.43E-07	5.04E-08	4.24E-07	9.50E-07	4.79E-08	4.18E-07	9.12E-07	4.78E-08	4.08E-07	9.16E-07	4.55E-08	3.86E-07	8.61E-07
9,456	4.94E-08	4.22E-07	9.42E-07	5.04E-08	4.24E-07	9.49E-07	4.79E-08	4.17E-07	9.10E-07	4.78E-08	4.08E-07	9.16E-07	4.55E-08	3.85E-07	8.60E-07
9,457	4.93E-08	4.22E-07	9.41E-07	5.04E-08	4.24E-07	9.47E-07	4.79E-08	4.17E-07	9.10E-07	4.77E-08	4.08E-07	9.12E-07	4.55E-08	3.85E-07	8.59E-07
9,458	4.92E-08	4.22E-07	9.41E-07	5.03E-08	4.23E-07	9.46E-07	4.79E-08	4.17E-07	9.10E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,464	4.86E-08	4.19E-07	9.35E-07	5.01E-08	4.21E-07	9.37E-07	4.78E-08	4.15E-07	9.03E-07	4.75E-08	4.06E-07	9.00E-07	4.51E-08	3.81E-07	8.56E-07
9,465	4.86E-08	4.19E-07	9.35E-07	5.00E-08	4.20E-07	9.37E-07	4.78E-08	4.15E-07	9.02E-07	4.74E-08	4.06E-07	8.97E-07	4.51E-08	3.81E-07	8.55E-07
9,466	4.85E-08	4.18E-07	9.34E-07	4.99E-08	4.20E-07	9.34E-07	4.75E-08	4.15E-07	9.02E-07	4.73E-08	4.06E-07	8.96E-07	4.50E-08	3.81E-07	8.55E-07
9,467	4.85E-08	4.17E-07	9.32E-07	4.98E-08	4.20E-07	9.32E-07	4.75E-08	4.13E-07	9.01E-07	4.73E-08	4.05E-07	8.94E-07	4.50E-08	3.81E-07	8.54E-07
9,468	4.82E-08	4.16E-07	9.32E-07	4.98E-08	4.20E-07	9.31E-07	4.75E-08	4.12E-07	9.00E-07	4.72E-08	4.05E-07	8.94E-07	4.50E-08	3.80E-07	8.54E-07
9,469	4.82E-08	4.16E-07	9.31E-07	4.98E-08	4.20E-07	9.31E-07	4.74E-08	4.12E-07	8.99E-07	4.70E-08	4.05E-07	8.93E-07	4.48E-08	3.80E-07	8.54E-07
9,470	4.81E-08	4.15E-07	9.30E-07	4.97E-08	4.20E-07	9.29E-07	4.74E-08	4.12E-07	8.99E-07	4.69E-08	4.04E-07	8.93E-07	4.48E-08	3.79E-07	8.54E-07
9,471	4.81E-08	4.14E-07	9.29E-07	4.97E-08	4.20E-07	9.29E-07	4.74E-08	4.12E-07	8.98E-07	4.69E-08	4.04E-07	8.91E-07	4.47E-08	3.79E-07	8.54E-07
9,472	4.81E-08	4.14E-07	9.29E-07	4.96E-08	4.19E-07	9.28E-07	4.72E-08	4.11E-07	8.98E-07	4.69E-08	4.04E-07	8.91E-07	4.47E-08	3.79E-07	8.53E-07
9,473	4.81E-08	4.13E-07	9.26E-07	4.96E-08	4.19E-07	9.28E-07	4.71E-08	4.11E-07	8.97E-07	4.67E-08	4.04E-07	8.91E-07	4.47E-08	3.79E-07	8.52E-07
9,474	4.81E-08	4.13E-07	9.26E-07	4.96E-08	4.18E-07	9.27E-07	4.71E-08	4.10E-07	8.96E-07	4.66E-08	4.03E-07	8.91E-07	4.47E-08	3.78E-07	8.52E-07
9,475	4.79E-08	4.12E-07	9.26E-07	4.96E-08	4.18E-07	9.26E-07	4.71E-08	4.10E-07	8.95E-07	4.65E-08	4.02E-07	8.91E-07	4.47E-08	3.77E-07	8.50E-07
9,476	4.79E-08	4.12E-07	9.25E-07	4.96E-08	4.17E-07	9.26E-07	4.71E-08	4.10E-07	8.95E-07	4.64E-08	4.02E-07	8.91E-07	4.46E-08	3.77E-07	8.48E-07
9,477	4.78E-08	4.12E-07	9.24E-07	4.96E-08	4.17E-07	9.25E-07	4.70E-08	4.10E-07	8.95E-07	4.64E-08	4.01E-07	8.87E-07	4.45E-08	3.77E-07	8.48E-07
9,478	4.78E-08	4.12E-07	9.23E-07	4.95E-08	4.16E-07	9.24E-07	4.70E-08	4.10E-07	8.93E-07	4.63E-08	4.01E-07	8.87E-07	4.45E-08	3.77E-07	8.48E-07
9,479	4.78E-08	4.12E-07	9.22E-07	4.95E-08	4.16E-07	9.24E-07	4.70E-08	4.09E-07	8.93E-07	4.63E-08	4.01E-07	8.86E-07	4.44E-08	3.77E-07	8.47E-07
9,480	4.78E-08	4.11E-07	9.20E-07	4.91E-08	4.16E-07	9.24E-07	4.68E-08	4.09E-07	8.92E-07	4.63E-08	3.99E-07	8.85E-07	4.44E-08	3.76E-07	8.47E-07
9,481	4.78E-08	4.10E-07	9.20E-07	4.91E-08	4.15E-07	9.23E-07	4.67E-08	4.08E-07	8.91E-07	4.62E-08	3.99E-07	8.85E-07	4.44E-08	3.76E-07	8.44E-07
9,482	4.78E-08	4.09E-07	9.19E-07	4.91E-08	4.14E-07	9.22E-07	4.67E-08	4.08E-07	8.91E-07	4.62E-08	3.98E-07	8.84E-07	4.43E-08	3.76E-07	8.44E-07
9,483	4.77E-08	4.09E-07	9.19E-07	4.91E-08	4.14E-07	9.21E-07	4.67E-08	4.08E-07	8.90E-07	4.62E-08	3.97E-07	8.83E-07	4.42E-08	3.76E-07	8.43E-07
9,484	4.76E-08	4.09E-07	9.15E-07	4.90E-08	4.14E-07	9.21E-07	4.66E-08	4.07E-07	8.89E-07	4.61E-08	3.97E-07	8.82E-07	4.41E-08	3.75E-07	8.42E-07
9,485	4.76E-08	4.09E-07	9.12E-07	4.90E-08	4.14E-07	9.19E-07	4.66E-08	4.06E-07	8.89E-07	4.60E-08	3.97E-07	8.81E-07	4.41E-08	3.75E-07	8.41E-07
9,486	4.75E-08	4.09E-07	9.12E-07	4.90E-08	4.13E-07	9.19E-07	4.66E-08	4.06E-07	8.89E-07	4.60E-08	3.95E-07	8.80E-07	4.41E-08	3.75E-07	8.41E-07
9,487	4.75E-08	4.09E-07	9.12E-07	4.89E-08	4.13E-07	9.14E-07	4.65E-08	4.05E-07	8.88E-07	4.60E-08	3.95E-07	8.80E-07	4.41E-08	3.75E-07	8.41E-07
9,488	4.74E-08	4.09E-07	9.12E-07	4.88E-08	4.12E-07	9.14E-07	4.65E-08	4.04E-07	8.87E-07	4.60E-08	3.95E-07	8.79E-07	4.41E-08	3.75E-07	8.40E-07
9,489	4.73E-08	4.08E-07	9.11E-07	4.87E-08	4.11E-07	9.14E-07	4.64E-08	4.04E-07	8.86E-07	4.60E-08	3.95E-07	8.78E-07	4.41E-08	3.75E-07	8.37E-07
9,490	4.71E-08	4.08E-07	9.11E-07	4.87E-08	4.11E-07	9.14E-07	4.63E-08	4.03E-07	8.86E-07	4.60E-08	3.95E-07	8.76E-07	4.39E-08	3.75E-07	8.37E-07
9,491	4.70E-08	4.07E-07	9.08E-07	4.87E-08	4.11E-07	9.13E-07	4.63E-08	4.03E-07	8.84E-07	4.58E-08	3.95E-07	8.76E-07	4.39E-08	3.75E-07	8.36E-07
9,492	4.70E-08	4.07E-07	9.08E-07	4.86E-08	4.11E-07	9.12E-07	4.63E-08	4.03E-07	8.83E-07	4.58E-08	3.94E-07	8.76E-07	4.39E-08	3.74E-07	8.36E-07
9,493	4.69E-08	4.07E-07	9.07E-07	4.86E-08	4.10E-07	9.12E-07	4.62E-08	4.03E-07	8.82E-07	4.57E-08	3.94E-07	8.74E-07	4.38E-08	3.73E-07	8.35E-07
9,494	4.68E-08	4.07E-07	9.06E-07	4.86E-08	4.10E-07	9.11E-07	4.61E-08	4.03E-07	8.80E-07	4.57E-08	3.94E-07	8.73E-07	4.38E-08	3.73E-07	8.34E-07
9,495	4.68E-08	4.06E-07	9.05E-07	4.86E-08	4.10E-07	9.11E-07	4.61E-08	4.03E-07	8.79E-07	4.57E-08	3.94E-07	8.70E-07	4.38E-08	3.72E-07	8.34E-07
9,496	4.68E-08	4.06E-07	9.03E-07	4.86E-08	4.10E-07	9.10E-07	4.61E-08	4.03E-07	8.79E-07	4.57E-08	3.92E-07	8.70E-07	4.38E-08	3.71E-07	8.34E-07
9,497	4.67E-08	4.06E-07	9.01E-07	4.85E-08	4.09E-07	9.09E-07	4.61E-08	4.02E-07	8.77E-07	4.56E-08	3.91E-07	8.69E-07	4.37E-08	3.71E-07	8.33E-07
9,498	4.67E-08	4.06E-07	9.00E-07	4.85E-08	4.09E-07	9.08E-07	4.60E-08	4.02E-07	8.76E-07	4.56E-08	3.91E-07	8.69E-07	4.35E-08	3.70E-07	8.30E-07
9,499	4.67E-08	4.06E-07	9.00E-07	4.85E-08	4.08E-07	9.06E-07	4.59E-08	4.02E-07	8.75E-07	4.56E-08	3.91E-07	8.69E-07	4.35E-08	3.70E-07	8.30E-07
9,500	4.65E-08	4.06E-07	8.99E-07	4.85E-08	4.08E-07	9.06E-07	4.58E-08	4.01E-07	8.75E-07	4.56E-08	3.91E-07	8.68E-07	4.35E-08	3.69E-07	8.29E-07
9,501	4.65E-08	4.05E-07	8.99E-07	4.84E-08	4.08E-07	9.05E-07	4.57E-08	4.01E-07	8.75E-07	4.55E-08	3.90E-07	8.67E-07	4.34E-08	3.69E-07	8.27E-07
9,502	4.64E-08	4.05E-07	8.98E-07	4.83E-08	4.07E-07	9.05E-07	4.57E-08	4.01E-07	8.70E-07	4.55E-08	3.90E-07	8.66E-07	4.34E-08	3.69E-07	8.25E-07
9,503	4.64E-08	4.05E-07	8.98E-07	4.82E-08	4.07E-07	9.04E-07	4.57E-08	4.00E-07	8.70E-07	4.54E-08	3.90E-07	8.65E-07	4.34E-08	3.68E-07	8.22E-07
9,504	4.64E-08	4.05E-07	8.97E-07	4.81E-08	4.07E-07	9.04E-07	4.57E-08	4.00E-07	8.70E-07	4.53E-08	3.89E-07	8.64E-07	4.34E-08	3.68E-07	8.19E-07
9,505	4.64E-08	4.03E-07	8.96E-07	4.80E-08	4.07E-07	9.03E-07	4.57E-08	3.99E-07	8.68E-07	4.53E-08	3.89E-07	8.63E-07	4.34E-08	3.68E-07	8.19E-07
9,506	4.63E-08	4.03E-07	8.94E-07	4.80E-08	4.07E-07	9.02E-07	4.56E-08	3.99E-07	8.67E-07	4.53E-08	3.89E-07	8.63E-07	4.33E-08	3.67E-07	8.17E-07
9,507	4.61E-08	4.02E-07	8.92E-07	4.80E-08	4.07E-07	9.02E-07	4.55E-08	3.98E-07	8.67E-07	4.53E-08	3.88E-07	8.62E-07	4.33E-08	3.66E-07	8.17E-07
9,508	4.61E-08	4.01E-07	8.92E-07	4.79E-08	4.07E-07	9.01E-07	4.53E-08	3.97E-07	8.67E-07	4.52E-08	3.87E-07	8.58E-07	4.33E-08	3.66E-07	8.15E-07
9,509	4.60E-08	4.01E-07	8.91E-07	4.79E-08	4.05E-07	9.00E-07	4.53E-08	3.97E-07	8.66E-07	4.51E-08	3.87E-07	8.58E-07	4.32E-08	3.66E-07	8.15E-07
9,510	4.60E-08	4.01E-07	8.90E-07	4.79E-08	4.04E-07	9.00E-07	4.52E-08	3.97E-07	8.66E-07	4.51E-08	3.87E-07	8.57E-07	4.31E-08	3.66E-07	8.14E-07
9,511	4.60E-08	3.98E-07	8.89E-07	4.78E-08	4.03E-07	8.99E-07	4.52E-08	3.97E-07	8.64E-07	4.50E-08	3.87E-07	8.57E-07	4.31E-08	3.65E-07	8.14E-07
9,512	4.60E-08	3.98E-07	8.87E-07	4.78E-08	4.03E-07	8.99E-07	4.52E-08	3.96E-07	8.62E-07	4.50E-08	3.86E-07	8.56E-07	4.31E-08	3.65E-07	8.13E-07
9,513	4.58E-08	3.98E-07	8.87E-07	4.78E-08	4.02E-07	8.99E-07	4.51E-08	3.96E-07	8.62E-07	4.50E-08	3.86E-07	8.55E-07	4.30E-08	3.65E-07	8.13E-07
9,514	4.57E-08	3.97E-07	8.87E-07	4.77E-08	4.02E-07	8.97E-07	4.51E-08	3.96E-07	8.61E-07	4.50E-08	3.86E-07	8.55E-07	4.30E-08	3.64E-07	8.13E-07
9,515	4.57E-08	3.97E-07	8.86E-07	4.76E-08	4.02E-07	8.97E-07	4.50E-08	3.95E-07	8.61E-07	4.49E-08	3.86E-07	8.50E-07	4.29E-08	3.63E-07	8.12E-07
9,516	4.57E-08	3.97E-07	8.85E-07	4.74E-08	4.02E-07	8.96E-07	4.50E-08	3.95E-07	8.61E-07	4.49E-08	3.85E-07	8.50E-07	4.29E-08	3.63E-07	8.11E-07
9,517	4.57E-08	3.96E-07	8.83E-07	4.74E-08	4.02E-07	8.93E-07	4.50E-08	3.95E-07	8.58E-07	4.48E-08	3.85E-07	8.50E-07	4.29E-08	3.62E-07	8.10E-07
9,518	4.57E-08	3.96E-07	8.83E-07	4.74E-08	4.01E-07	8.93E-07	4.49E-08	3.94E-07	8.56E-07	4.46E-08	3.85E-07	8.49E-07	4.28E-08	3.61E-07	8.10E-07
9,519	4.57E-08	3.96E-07	8.82E-07	4.74E-08	4.01E-07	8.91E-07	4.49E-08	3.93E-07	8.55E-07	4.45E-08	3.84E-07	8.48E-07	4.28E-08	3.61E-07	8.10E-07
9,520	4.55E-08	3.95E-07	8.81E-07	4.73E-08	4.00E-07	8.91E-07	4.49E-08	3.93E-07	8.54E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,526	4.54E-08	3.93E-07	8.72E-07	4.68E-08	3.98E-07	8.87E-07	4.46E-08	3.92E-07	8.50E-07	4.42E-08	3.81E-07	8.44E-07	4.26E-08	3.58E-07	8.01E-07
9,527	4.54E-08	3.93E-07	8.71E-07	4.68E-08	3.98E-07	8.86E-07	4.46E-08	3.92E-07	8.49E-07	4.42E-08	3.80E-07	8.44E-07	4.25E-08	3.57E-07	8.00E-07
9,528	4.53E-08	3.92E-07	8.70E-07	4.68E-08	3.97E-07	8.85E-07	4.45E-08	3.91E-07	8.47E-07	4.41E-08	3.80E-07	8.43E-07	4.25E-08	3.57E-07	8.00E-07
9,529	4.53E-08	3.92E-07	8.68E-07	4.67E-08	3.97E-07	8.85E-07	4.45E-08	3.91E-07	8.46E-07	4.41E-08	3.79E-07	8.41E-07	4.24E-08	3.57E-07	7.99E-07
9,530	4.52E-08	3.91E-07	8.66E-07	4.66E-08	3.97E-07	8.85E-07	4.45E-08	3.91E-07	8.45E-07	4.41E-08	3.79E-07	8.41E-07	4.24E-08	3.57E-07	7.99E-07
9,531	4.51E-08	3.91E-07	8.65E-07	4.65E-08	3.96E-07	8.82E-07	4.45E-08	3.91E-07	8.45E-07	4.40E-08	3.79E-07	8.40E-07	4.21E-08	3.56E-07	7.94E-07
9,532	4.51E-08	3.90E-07	8.64E-07	4.65E-08	3.95E-07	8.82E-07	4.44E-08	3.91E-07	8.42E-07	4.40E-08	3.78E-07	8.40E-07	4.19E-08	3.56E-07	7.94E-07
9,533	4.49E-08	3.90E-07	8.63E-07	4.64E-08	3.95E-07	8.79E-07	4.43E-08	3.90E-07	8.42E-07	4.39E-08	3.77E-07	8.39E-07	4.18E-08	3.56E-07	7.94E-07
9,534	4.48E-08	3.89E-07	8.62E-07	4.64E-08	3.92E-07	8.78E-07	4.43E-08	3.89E-07	8.41E-07	4.39E-08	3.77E-07	8.37E-07	4.17E-08	3.56E-07	7.92E-07
9,535	4.48E-08	3.89E-07	8.62E-07	4.64E-08	3.92E-07	8.77E-07	4.43E-08	3.89E-07	8.41E-07	4.39E-08	3.77E-07	8.36E-07	4.17E-08	3.56E-07	7.90E-07
9,536	4.47E-08	3.89E-07	8.61E-07	4.63E-08	3.92E-07	8.75E-07	4.43E-08	3.89E-07	8.40E-07	4.39E-08	3.77E-07	8.36E-07	4.16E-08	3.56E-07	7.90E-07
9,537	4.47E-08	3.88E-07	8.59E-07	4.63E-08	3.92E-07	8.74E-07	4.43E-08	3.88E-07	8.39E-07	4.38E-08	3.76E-07	8.35E-07	4.15E-08	3.55E-07	7.89E-07
9,538	4.47E-08	3.88E-07	8.58E-07	4.62E-08	3.92E-07	8.73E-07	4.42E-08	3.88E-07	8.38E-07	4.38E-08	3.76E-07	8.35E-07	4.15E-08	3.54E-07	7.89E-07
9,539	4.47E-08	3.88E-07	8.55E-07	4.62E-08	3.91E-07	8.73E-07	4.42E-08	3.88E-07	8.37E-07	4.38E-08	3.76E-07	8.34E-07	4.15E-08	3.54E-07	7.88E-07
9,540	4.47E-08	3.88E-07	8.54E-07	4.62E-08	3.91E-07	8.72E-07	4.41E-08	3.87E-07	8.36E-07	4.37E-08	3.76E-07	8.33E-07	4.15E-08	3.54E-07	7.88E-07
9,541	4.46E-08	3.87E-07	8.53E-07	4.61E-08	3.89E-07	8.72E-07	4.41E-08	3.87E-07	8.35E-07	4.37E-08	3.75E-07	8.32E-07	4.14E-08	3.54E-07	7.88E-07
9,542	4.44E-08	3.87E-07	8.52E-07	4.61E-08	3.88E-07	8.69E-07	4.40E-08	3.86E-07	8.34E-07	4.37E-08	3.74E-07	8.31E-07	4.14E-08	3.53E-07	7.87E-07
9,543	4.43E-08	3.86E-07	8.52E-07	4.61E-08	3.88E-07	8.69E-07	4.40E-08	3.86E-07	8.34E-07	4.36E-08	3.74E-07	8.31E-07	4.13E-08	3.52E-07	7.87E-07
9,544	4.43E-08	3.86E-07	8.51E-07	4.60E-08	3.88E-07	8.69E-07	4.40E-08	3.85E-07	8.33E-07	4.36E-08	3.74E-07	8.30E-07	4.13E-08	3.52E-07	7.86E-07
9,545	4.42E-08	3.86E-07	8.51E-07	4.60E-08	3.87E-07	8.68E-07	4.38E-08	3.85E-07	8.33E-07	4.35E-08	3.74E-07	8.29E-07	4.12E-08	3.52E-07	7.85E-07
9,546	4.41E-08	3.86E-07	8.50E-07	4.59E-08	3.87E-07	8.67E-07	4.38E-08	3.85E-07	8.28E-07	4.35E-08	3.74E-07	8.29E-07	4.12E-08	3.52E-07	7.84E-07
9,547	4.40E-08	3.85E-07	8.50E-07	4.59E-08	3.87E-07	8.65E-07	4.37E-08	3.85E-07	8.27E-07	4.35E-08	3.74E-07	8.29E-07	4.11E-08	3.52E-07	7.83E-07
9,548	4.40E-08	3.84E-07	8.48E-07	4.58E-08	3.86E-07	8.63E-07	4.37E-08	3.84E-07	8.27E-07	4.34E-08	3.73E-07	8.28E-07	4.10E-08	3.52E-07	7.83E-07
9,549	4.40E-08	3.84E-07	8.47E-07	4.57E-08	3.86E-07	8.62E-07	4.37E-08	3.84E-07	8.25E-07	4.33E-08	3.73E-07	8.27E-07	4.10E-08	3.52E-07	7.82E-07
9,550	4.39E-08	3.84E-07	8.47E-07	4.57E-08	3.85E-07	8.59E-07	4.36E-08	3.83E-07	8.24E-07	4.32E-08	3.73E-07	8.26E-07	4.09E-08	3.51E-07	7.82E-07
9,551	4.38E-08	3.83E-07	8.46E-07	4.56E-08	3.85E-07	8.59E-07	4.36E-08	3.83E-07	8.24E-07	4.32E-08	3.73E-07	8.24E-07	4.08E-08	3.50E-07	7.82E-07
9,552	4.37E-08	3.83E-07	8.46E-07	4.56E-08	3.84E-07	8.57E-07	4.35E-08	3.83E-07	8.23E-07	4.31E-08	3.72E-07	8.24E-07	4.08E-08	3.50E-07	7.81E-07
9,553	4.36E-08	3.83E-07	8.46E-07	4.56E-08	3.84E-07	8.56E-07	4.35E-08	3.82E-07	8.20E-07	4.31E-08	3.70E-07	8.24E-07	4.07E-08	3.50E-07	7.81E-07
9,554	4.36E-08	3.83E-07	8.45E-07	4.55E-08	3.83E-07	8.55E-07	4.35E-08	3.82E-07	8.20E-07	4.31E-08	3.70E-07	8.21E-07	4.07E-08	3.50E-07	7.81E-07
9,555	4.35E-08	3.80E-07	8.45E-07	4.55E-08	3.83E-07	8.53E-07	4.34E-08	3.82E-07	8.20E-07	4.31E-08	3.70E-07	8.21E-07	4.07E-08	3.50E-07	7.79E-07
9,556	4.35E-08	3.79E-07	8.44E-07	4.55E-08	3.83E-07	8.52E-07	4.33E-08	3.81E-07	8.16E-07	4.31E-08	3.70E-07	8.21E-07	4.06E-08	3.50E-07	7.78E-07
9,557	4.34E-08	3.79E-07	8.42E-07	4.55E-08	3.82E-07	8.51E-07	4.33E-08	3.81E-07	8.16E-07	4.30E-08	3.70E-07	8.20E-07	4.05E-08	3.50E-07	7.76E-07
9,558	4.34E-08	3.78E-07	8.42E-07	4.54E-08	3.82E-07	8.51E-07	4.33E-08	3.81E-07	8.15E-07	4.29E-08	3.69E-07	8.18E-07	4.05E-08	3.50E-07	7.76E-07
9,559	4.34E-08	3.78E-07	8.40E-07	4.54E-08	3.82E-07	8.50E-07	4.32E-08	3.80E-07	8.13E-07	4.28E-08	3.69E-07	8.18E-07	4.05E-08	3.50E-07	7.75E-07
9,560	4.34E-08	3.78E-07	8.40E-07	4.53E-08	3.82E-07	8.50E-07	4.32E-08	3.80E-07	8.13E-07	4.27E-08	3.68E-07	8.18E-07	4.04E-08	3.49E-07	7.74E-07
9,561	4.33E-08	3.78E-07	8.40E-07	4.53E-08	3.81E-07	8.48E-07	4.32E-08	3.80E-07	8.13E-07	4.27E-08	3.68E-07	8.17E-07	4.03E-08	3.49E-07	7.74E-07
9,562	4.33E-08	3.78E-07	8.39E-07	4.51E-08	3.81E-07	8.48E-07	4.32E-08	3.80E-07	8.12E-07	4.27E-08	3.68E-07	8.17E-07	4.03E-08	3.49E-07	7.73E-07
9,563	4.32E-08	3.78E-07	8.34E-07	4.51E-08	3.81E-07	8.47E-07	4.31E-08	3.79E-07	8.12E-07	4.26E-08	3.67E-07	8.12E-07	4.02E-08	3.49E-07	7.73E-07
9,564	4.32E-08	3.78E-07	8.33E-07	4.48E-08	3.81E-07	8.47E-07	4.31E-08	3.79E-07	8.11E-07	4.26E-08	3.67E-07	8.12E-07	4.02E-08	3.49E-07	7.72E-07
9,565	4.31E-08	3.78E-07	8.32E-07	4.48E-08	3.80E-07	8.45E-07	4.31E-08	3.79E-07	8.11E-07	4.26E-08	3.65E-07	8.12E-07	4.02E-08	3.49E-07	7.71E-07
9,566	4.31E-08	3.76E-07	8.31E-07	4.47E-08	3.79E-07	8.45E-07	4.29E-08	3.78E-07	8.10E-07	4.26E-08	3.64E-07	8.12E-07	4.01E-08	3.48E-07	7.69E-07
9,567	4.31E-08	3.75E-07	8.30E-07	4.46E-08	3.79E-07	8.44E-07	4.29E-08	3.78E-07	8.10E-07	4.26E-08	3.64E-07	8.12E-07	4.01E-08	3.47E-07	7.68E-07
9,568	4.31E-08	3.75E-07	8.28E-07	4.45E-08	3.79E-07	8.43E-07	4.29E-08	3.78E-07	8.10E-07	4.26E-08	3.63E-07	8.10E-07	4.00E-08	3.47E-07	7.67E-07
9,569	4.30E-08	3.75E-07	8.27E-07	4.44E-08	3.79E-07	8.43E-07	4.28E-08	3.77E-07	8.09E-07	4.26E-08	3.63E-07	8.09E-07	4.00E-08	3.47E-07	7.67E-07
9,570	4.30E-08	3.75E-07	8.26E-07	4.42E-08	3.79E-07	8.42E-07	4.28E-08	3.77E-07	8.08E-07	4.25E-08	3.62E-07	8.09E-07	3.99E-08	3.47E-07	7.66E-07
9,571	4.30E-08	3.74E-07	8.25E-07	4.42E-08	3.78E-07	8.40E-07	4.28E-08	3.76E-07	8.08E-07	4.25E-08	3.62E-07	8.09E-07	3.98E-08	3.47E-07	7.65E-07
9,572	4.30E-08	3.73E-07	8.25E-07	4.42E-08	3.78E-07	8.40E-07	4.27E-08	3.76E-07	8.07E-07	4.24E-08	3.62E-07	8.08E-07	3.98E-08	3.46E-07	7.64E-07
9,573	4.30E-08	3.73E-07	8.22E-07	4.42E-08	3.77E-07	8.39E-07	4.26E-08	3.76E-07	8.06E-07	4.24E-08	3.62E-07	8.08E-07	3.98E-08	3.46E-07	7.64E-07
9,574	4.29E-08	3.72E-07	8.21E-07	4.42E-08	3.76E-07	8.37E-07	4.25E-08	3.75E-07	8.05E-07	4.22E-08	3.62E-07	8.06E-07	3.97E-08	3.46E-07	7.62E-07
9,575	4.28E-08	3.71E-07	8.20E-07	4.41E-08	3.76E-07	8.37E-07	4.25E-08	3.75E-07	8.04E-07	4.21E-08	3.61E-07	8.04E-07	3.97E-08	3.46E-07	7.60E-07
9,576	4.28E-08	3.70E-07	8.20E-07	4.40E-08	3.76E-07	8.35E-07	4.25E-08	3.75E-07	8.03E-07	4.21E-08	3.61E-07	8.03E-07	3.97E-08	3.44E-07	7.59E-07
9,577	4.25E-08	3.70E-07	8.19E-07	4.37E-08	3.75E-07	8.35E-07	4.25E-08	3.75E-07	8.02E-07	4.20E-08	3.60E-07	8.03E-07	3.97E-08	3.43E-07	7.59E-07
9,578	4.25E-08	3.70E-07	8.19E-07	4.36E-08	3.75E-07	8.35E-07	4.23E-08	3.74E-07	8.00E-07	4.19E-08	3.59E-07	8.01E-07	3.96E-08	3.43E-07	7.58E-07
9,579	4.25E-08	3.69E-07	8.18E-07	4.35E-08	3.75E-07	8.32E-07	4.22E-08	3.74E-07	8.00E-07	4.19E-08	3.59E-07	8.01E-07	3.96E-08	3.42E-07	7.58E-07
9,580	4.24E-08	3.67E-07	8.13E-07	4.35E-08	3.75E-07	8.31E-07	4.21E-08	3.74E-07	7.99E-07	4.18E-08	3.57E-07	7.98E-07	3.96E-08	3.42E-07	7.58E-07
9,581	4.24E-08	3.67E-07	8.13E-07	4.34E-08	3.74E-07	8.30E-07	4.20E-08	3.73E-07	7.98E-07	4.18E-08	3.57E-07	7.97E-07	3.96E-08	3.42E-07	7.57E-07
9,582	4.24E-08	3.67E-07	8.10E-07	4.33E-08	3.74E-07	8.27E-07	4.20E-08	3.71E-07	7.96E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,588	4.20E-08	3.64E-07	8.04E-07	4.27E-08	3.70E-07	8.20E-07	4.17E-08	3.66E-07	7.93E-07	4.16E-08	3.54E-07	7.93E-07	3.93E-08	3.38E-07	7.51E-07
9,589	4.20E-08	3.63E-07	8.03E-07	4.26E-08	3.70E-07	8.20E-07	4.17E-08	3.65E-07	7.93E-07	4.16E-08	3.54E-07	7.92E-07	3.93E-08	3.37E-07	7.50E-07
9,590	4.20E-08	3.63E-07	8.03E-07	4.26E-08	3.70E-07	8.19E-07	4.17E-08	3.65E-07	7.92E-07	4.15E-08	3.53E-07	7.92E-07	3.92E-08	3.36E-07	7.48E-07
9,591	4.19E-08	3.63E-07	8.02E-07	4.26E-08	3.70E-07	8.18E-07	4.16E-08	3.64E-07	7.92E-07	4.15E-08	3.53E-07	7.92E-07	3.92E-08	3.36E-07	7.47E-07
9,592	4.17E-08	3.62E-07	8.00E-07	4.25E-08	3.69E-07	8.17E-07	4.16E-08	3.64E-07	7.90E-07	4.15E-08	3.53E-07	7.92E-07	3.91E-08	3.35E-07	7.47E-07
9,593	4.16E-08	3.62E-07	8.00E-07	4.24E-08	3.68E-07	8.17E-07	4.16E-08	3.64E-07	7.89E-07	4.14E-08	3.52E-07	7.90E-07	3.91E-08	3.35E-07	7.45E-07
9,594	4.15E-08	3.61E-07	7.99E-07	4.23E-08	3.68E-07	8.17E-07	4.15E-08	3.63E-07	7.88E-07	4.14E-08	3.52E-07	7.89E-07	3.90E-08	3.35E-07	7.45E-07
9,595	4.15E-08	3.60E-07	7.98E-07	4.23E-08	3.68E-07	8.16E-07	4.15E-08	3.63E-07	7.83E-07	4.13E-08	3.52E-07	7.89E-07	3.90E-08	3.35E-07	7.44E-07
9,596	4.13E-08	3.59E-07	7.98E-07	4.23E-08	3.67E-07	8.14E-07	4.15E-08	3.63E-07	7.83E-07	4.13E-08	3.52E-07	7.89E-07	3.89E-08	3.33E-07	7.43E-07
9,597	4.13E-08	3.59E-07	7.98E-07	4.23E-08	3.66E-07	8.13E-07	4.14E-08	3.62E-07	7.81E-07	4.12E-08	3.51E-07	7.89E-07	3.87E-08	3.33E-07	7.42E-07
9,598	4.11E-08	3.59E-07	7.97E-07	4.21E-08	3.66E-07	8.13E-07	4.13E-08	3.62E-07	7.81E-07	4.12E-08	3.50E-07	7.86E-07	3.87E-08	3.33E-07	7.42E-07
9,599	4.11E-08	3.59E-07	7.97E-07	4.19E-08	3.66E-07	8.12E-07	4.12E-08	3.62E-07	7.78E-07	4.12E-08	3.50E-07	7.86E-07	3.87E-08	3.32E-07	7.41E-07
9,600	4.10E-08	3.58E-07	7.97E-07	4.19E-08	3.65E-07	8.12E-07	4.12E-08	3.61E-07	7.77E-07	4.10E-08	3.50E-07	7.83E-07	3.86E-08	3.32E-07	7.41E-07
9,601	4.10E-08	3.58E-07	7.97E-07	4.19E-08	3.64E-07	8.12E-07	4.12E-08	3.61E-07	7.75E-07	4.10E-08	3.50E-07	7.82E-07	3.86E-08	3.32E-07	7.41E-07
9,602	4.09E-08	3.57E-07	7.97E-07	4.19E-08	3.63E-07	8.11E-07	4.11E-08	3.61E-07	7.75E-07	4.10E-08	3.49E-07	7.82E-07	3.85E-08	3.32E-07	7.40E-07
9,603	4.09E-08	3.57E-07	7.96E-07	4.17E-08	3.63E-07	8.08E-07	4.11E-08	3.61E-07	7.74E-07	4.09E-08	3.49E-07	7.82E-07	3.84E-08	3.32E-07	7.39E-07
9,604	4.09E-08	3.56E-07	7.96E-07	4.17E-08	3.63E-07	8.05E-07	4.10E-08	3.61E-07	7.74E-07	4.09E-08	3.49E-07	7.82E-07	3.83E-08	3.32E-07	7.38E-07
9,605	4.08E-08	3.56E-07	7.95E-07	4.16E-08	3.63E-07	8.05E-07	4.09E-08	3.60E-07	7.74E-07	4.08E-08	3.48E-07	7.78E-07	3.83E-08	3.31E-07	7.38E-07
9,606	4.07E-08	3.56E-07	7.95E-07	4.16E-08	3.63E-07	8.04E-07	4.09E-08	3.60E-07	7.73E-07	4.08E-08	3.48E-07	7.76E-07	3.83E-08	3.31E-07	7.37E-07
9,607	4.07E-08	3.55E-07	7.93E-07	4.16E-08	3.63E-07	8.04E-07	4.08E-08	3.59E-07	7.72E-07	4.08E-08	3.48E-07	7.75E-07	3.82E-08	3.31E-07	7.37E-07
9,608	4.06E-08	3.55E-07	7.92E-07	4.15E-08	3.62E-07	8.03E-07	4.08E-08	3.56E-07	7.70E-07	4.07E-08	3.48E-07	7.74E-07	3.82E-08	3.30E-07	7.37E-07
9,609	4.06E-08	3.55E-07	7.92E-07	4.15E-08	3.62E-07	8.03E-07	4.08E-08	3.56E-07	7.66E-07	4.06E-08	3.48E-07	7.73E-07	3.82E-08	3.30E-07	7.37E-07
9,610	4.06E-08	3.54E-07	7.91E-07	4.15E-08	3.61E-07	8.02E-07	4.07E-08	3.55E-07	7.66E-07	4.06E-08	3.47E-07	7.73E-07	3.82E-08	3.30E-07	7.36E-07
9,611	4.06E-08	3.54E-07	7.90E-07	4.14E-08	3.60E-07	8.01E-07	4.05E-08	3.55E-07	7.65E-07	4.06E-08	3.45E-07	7.73E-07	3.80E-08	3.29E-07	7.35E-07
9,612	4.06E-08	3.53E-07	7.87E-07	4.14E-08	3.60E-07	8.00E-07	4.05E-08	3.53E-07	7.64E-07	4.05E-08	3.43E-07	7.73E-07	3.79E-08	3.29E-07	7.35E-07
9,613	4.05E-08	3.53E-07	7.83E-07	4.13E-08	3.60E-07	8.00E-07	4.03E-08	3.53E-07	7.63E-07	4.05E-08	3.43E-07	7.73E-07	3.79E-08	3.28E-07	7.33E-07
9,614	4.04E-08	3.52E-07	7.82E-07	4.13E-08	3.60E-07	7.98E-07	4.02E-08	3.52E-07	7.63E-07	4.05E-08	3.43E-07	7.70E-07	3.78E-08	3.28E-07	7.32E-07
9,615	4.03E-08	3.52E-07	7.82E-07	4.12E-08	3.60E-07	7.97E-07	4.02E-08	3.52E-07	7.62E-07	4.04E-08	3.42E-07	7.69E-07	3.78E-08	3.27E-07	7.31E-07
9,616	4.03E-08	3.52E-07	7.79E-07	4.12E-08	3.60E-07	7.97E-07	4.01E-08	3.52E-07	7.61E-07	4.04E-08	3.41E-07	7.69E-07	3.78E-08	3.27E-07	7.30E-07
9,617	4.03E-08	3.51E-07	7.78E-07	4.11E-08	3.60E-07	7.97E-07	3.98E-08	3.51E-07	7.60E-07	4.04E-08	3.41E-07	7.69E-07	3.78E-08	3.27E-07	7.30E-07
9,618	4.02E-08	3.51E-07	7.78E-07	4.11E-08	3.59E-07	7.96E-07	3.98E-08	3.51E-07	7.60E-07	4.03E-08	3.40E-07	7.66E-07	3.78E-08	3.27E-07	7.27E-07
9,619	4.02E-08	3.51E-07	7.77E-07	4.10E-08	3.58E-07	7.95E-07	3.97E-08	3.51E-07	7.59E-07	4.02E-08	3.40E-07	7.66E-07	3.77E-08	3.27E-07	7.26E-07
9,620	4.02E-08	3.51E-07	7.76E-07	4.09E-08	3.57E-07	7.93E-07	3.96E-08	3.50E-07	7.59E-07	4.02E-08	3.40E-07	7.64E-07	3.77E-08	3.27E-07	7.26E-07
9,621	4.01E-08	3.51E-07	7.75E-07	4.09E-08	3.56E-07	7.93E-07	3.96E-08	3.49E-07	7.58E-07	4.02E-08	3.39E-07	7.64E-07	3.77E-08	3.27E-07	7.26E-07
9,622	4.01E-08	3.50E-07	7.74E-07	4.09E-08	3.55E-07	7.93E-07	3.96E-08	3.49E-07	7.58E-07	4.02E-08	3.39E-07	7.61E-07	3.76E-08	3.26E-07	7.26E-07
9,623	4.00E-08	3.50E-07	7.74E-07	4.09E-08	3.54E-07	7.92E-07	3.95E-08	3.47E-07	7.56E-07	4.01E-08	3.38E-07	7.61E-07	3.76E-08	3.26E-07	7.24E-07
9,624	4.00E-08	3.49E-07	7.73E-07	4.08E-08	3.54E-07	7.91E-07	3.95E-08	3.47E-07	7.55E-07	4.01E-08	3.38E-07	7.59E-07	3.76E-08	3.26E-07	7.23E-07
9,625	3.99E-08	3.49E-07	7.73E-07	4.08E-08	3.54E-07	7.91E-07	3.93E-08	3.46E-07	7.54E-07	4.01E-08	3.38E-07	7.59E-07	3.76E-08	3.26E-07	7.23E-07
9,626	3.99E-08	3.49E-07	7.72E-07	4.08E-08	3.53E-07	7.91E-07	3.93E-08	3.46E-07	7.54E-07	4.00E-08	3.37E-07	7.58E-07	3.76E-08	3.25E-07	7.22E-07
9,627	3.97E-08	3.49E-07	7.72E-07	4.07E-08	3.53E-07	7.91E-07	3.91E-08	3.45E-07	7.53E-07	4.00E-08	3.37E-07	7.58E-07	3.75E-08	3.25E-07	7.21E-07
9,628	3.97E-08	3.48E-07	7.71E-07	4.07E-08	3.53E-07	7.86E-07	3.91E-08	3.45E-07	7.53E-07	4.00E-08	3.37E-07	7.57E-07	3.75E-08	3.24E-07	7.21E-07
9,629	3.97E-08	3.48E-07	7.69E-07	4.07E-08	3.51E-07	7.85E-07	3.91E-08	3.45E-07	7.52E-07	3.97E-08	3.37E-07	7.56E-07	3.73E-08	3.24E-07	7.20E-07
9,630	3.94E-08	3.48E-07	7.69E-07	4.07E-08	3.51E-07	7.85E-07	3.91E-08	3.44E-07	7.52E-07	3.96E-08	3.37E-07	7.55E-07	3.73E-08	3.24E-07	7.19E-07
9,631	3.94E-08	3.48E-07	7.68E-07	4.07E-08	3.51E-07	7.85E-07	3.90E-08	3.44E-07	7.52E-07	3.96E-08	3.37E-07	7.55E-07	3.73E-08	3.23E-07	7.19E-07
9,632	3.94E-08	3.48E-07	7.64E-07	4.06E-08	3.51E-07	7.84E-07	3.90E-08	3.44E-07	7.50E-07	3.96E-08	3.37E-07	7.53E-07	3.72E-08	3.23E-07	7.18E-07
9,633	3.93E-08	3.47E-07	7.64E-07	4.06E-08	3.51E-07	7.83E-07	3.89E-08	3.43E-07	7.49E-07	3.95E-08	3.37E-07	7.51E-07	3.72E-08	3.23E-07	7.17E-07
9,634	3.92E-08	3.47E-07	7.60E-07	4.06E-08	3.50E-07	7.82E-07	3.88E-08	3.43E-07	7.48E-07	3.95E-08	3.37E-07	7.51E-07	3.71E-08	3.22E-07	7.16E-07
9,635	3.91E-08	3.47E-07	7.59E-07	4.05E-08	3.50E-07	7.82E-07	3.87E-08	3.42E-07	7.45E-07	3.95E-08	3.36E-07	7.48E-07	3.71E-08	3.22E-07	7.15E-07
9,636	3.91E-08	3.46E-07	7.55E-07	4.05E-08	3.50E-07	7.82E-07	3.87E-08	3.42E-07	7.43E-07	3.94E-08	3.35E-07	7.48E-07	3.70E-08	3.20E-07	7.12E-07
9,637	3.90E-08	3.46E-07	7.55E-07	4.04E-08	3.48E-07	7.82E-07	3.87E-08	3.42E-07	7.42E-07	3.94E-08	3.35E-07	7.47E-07	3.69E-08	3.19E-07	7.11E-07
9,638	3.90E-08	3.46E-07	7.54E-07	4.04E-08	3.47E-07	7.82E-07	3.86E-08	3.41E-07	7.42E-07	3.93E-08	3.34E-07	7.47E-07	3.69E-08	3.19E-07	7.11E-07
9,639	3.89E-08	3.46E-07	7.52E-07	4.03E-08	3.47E-07	7.81E-07	3.85E-08	3.40E-07	7.38E-07	3.93E-08	3.34E-07	7.47E-07	3.69E-08	3.19E-07	7.10E-07
9,640	3.89E-08	3.46E-07	7.51E-07	4.02E-08	3.46E-07	7.80E-07	3.84E-08	3.40E-07	7.37E-07	3.92E-08	3.34E-07	7.46E-07	3.69E-08	3.19E-07	7.10E-07
9,641	3.89E-08	3.45E-07	7.49E-07	4.02E-08	3.46E-07	7.80E-07	3.83E-08	3.40E-07	7.36E-07	3.91E-08	3.34E-07	7.46E-07	3.67E-08	3.19E-07	7.10E-07
9,642	3.87E-08	3.44E-07	7.48E-07	4.02E-08	3.45E-07	7.80E-07	3.83E-08	3.40E-07	7.35E-07	3.91E-08	3.34E-07	7.46E-07	3.67E-08	3.19E-07	7.09E-07
9,643	3.87E-08	3.44E-07	7.47E-07	4.00E-08	3.43E-07	7.78E-07	3.82E-08	3.40E-07	7.34E-07	3.90E-08	3.33E-07	7.45E-07	3.67E-08	3.19E-07	7.08E-07
9,644	3.87E-08	3.44E-07	7.47E-07	4.00E-08	3.43E-07	7.77E-07	3.82E-08	3.38E-07	7.34E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,650	3.86E-08	3.42E-07	7.38E-07	3.97E-08	3.40E-07	7.69E-07	3.79E-08	3.34E-07	7.27E-07	3.86E-08	3.30E-07	7.39E-07	3.63E-08	3.12E-07	6.99E-07
9,651	3.86E-08	3.42E-07	7.37E-07	3.96E-08	3.39E-07	7.69E-07	3.78E-08	3.34E-07	7.26E-07	3.83E-08	3.30E-07	7.39E-07	3.62E-08	3.11E-07	6.99E-07
9,652	3.85E-08	3.41E-07	7.37E-07	3.96E-08	3.39E-07	7.68E-07	3.78E-08	3.34E-07	7.25E-07	3.80E-08	3.30E-07	7.38E-07	3.61E-08	3.11E-07	6.98E-07
9,653	3.85E-08	3.39E-07	7.37E-07	3.96E-08	3.39E-07	7.68E-07	3.78E-08	3.34E-07	7.25E-07	3.79E-08	3.30E-07	7.38E-07	3.61E-08	3.10E-07	6.98E-07
9,654	3.83E-08	3.39E-07	7.37E-07	3.96E-08	3.39E-07	7.67E-07	3.78E-08	3.32E-07	7.24E-07	3.76E-08	3.29E-07	7.38E-07	3.60E-08	3.09E-07	6.96E-07
9,655	3.82E-08	3.39E-07	7.35E-07	3.95E-08	3.39E-07	7.67E-07	3.78E-08	3.32E-07	7.24E-07	3.76E-08	3.29E-07	7.37E-07	3.60E-08	3.08E-07	6.95E-07
9,656	3.82E-08	3.39E-07	7.34E-07	3.95E-08	3.38E-07	7.67E-07	3.78E-08	3.32E-07	7.24E-07	3.75E-08	3.29E-07	7.36E-07	3.60E-08	3.07E-07	6.93E-07
9,657	3.80E-08	3.38E-07	7.34E-07	3.95E-08	3.38E-07	7.66E-07	3.77E-08	3.31E-07	7.24E-07	3.73E-08	3.28E-07	7.35E-07	3.59E-08	3.07E-07	6.92E-07
9,658	3.80E-08	3.38E-07	7.33E-07	3.95E-08	3.38E-07	7.64E-07	3.77E-08	3.31E-07	7.23E-07	3.71E-08	3.28E-07	7.34E-07	3.59E-08	3.07E-07	6.92E-07
9,659	3.78E-08	3.38E-07	7.32E-07	3.94E-08	3.38E-07	7.64E-07	3.77E-08	3.31E-07	7.23E-07	3.71E-08	3.28E-07	7.33E-07	3.59E-08	3.06E-07	6.91E-07
9,660	3.78E-08	3.37E-07	7.31E-07	3.94E-08	3.38E-07	7.64E-07	3.77E-08	3.31E-07	7.22E-07	3.71E-08	3.28E-07	7.32E-07	3.58E-08	3.06E-07	6.89E-07
9,661	3.75E-08	3.37E-07	7.30E-07	3.94E-08	3.37E-07	7.64E-07	3.77E-08	3.30E-07	7.20E-07	3.70E-08	3.28E-07	7.31E-07	3.57E-08	3.06E-07	6.86E-07
9,662	3.75E-08	3.37E-07	7.27E-07	3.94E-08	3.37E-07	7.63E-07	3.74E-08	3.30E-07	7.19E-07	3.70E-08	3.27E-07	7.30E-07	3.56E-08	3.05E-07	6.83E-07
9,663	3.75E-08	3.36E-07	7.26E-07	3.93E-08	3.37E-07	7.62E-07	3.73E-08	3.29E-07	7.18E-07	3.70E-08	3.27E-07	7.30E-07	3.56E-08	3.05E-07	6.81E-07
9,664	3.75E-08	3.36E-07	7.26E-07	3.93E-08	3.37E-07	7.61E-07	3.73E-08	3.29E-07	7.17E-07	3.70E-08	3.26E-07	7.28E-07	3.55E-08	3.05E-07	6.81E-07
9,665	3.74E-08	3.35E-07	7.26E-07	3.92E-08	3.36E-07	7.60E-07	3.73E-08	3.28E-07	7.17E-07	3.70E-08	3.26E-07	7.28E-07	3.55E-08	3.04E-07	6.79E-07
9,666	3.74E-08	3.34E-07	7.25E-07	3.92E-08	3.35E-07	7.60E-07	3.73E-08	3.28E-07	7.17E-07	3.70E-08	3.26E-07	7.28E-07	3.55E-08	3.04E-07	6.79E-07
9,667	3.74E-08	3.34E-07	7.23E-07	3.92E-08	3.34E-07	7.60E-07	3.72E-08	3.28E-07	7.16E-07	3.69E-08	3.26E-07	7.28E-07	3.54E-08	3.04E-07	6.77E-07
9,668	3.74E-08	3.33E-07	7.21E-07	3.91E-08	3.34E-07	7.59E-07	3.72E-08	3.27E-07	7.16E-07	3.69E-08	3.25E-07	7.27E-07	3.54E-08	3.04E-07	6.76E-07
9,669	3.74E-08	3.33E-07	7.18E-07	3.91E-08	3.34E-07	7.59E-07	3.71E-08	3.27E-07	7.15E-07	3.68E-08	3.25E-07	7.27E-07	3.54E-08	3.04E-07	6.76E-07
9,670	3.74E-08	3.32E-07	7.17E-07	3.90E-08	3.33E-07	7.58E-07	3.70E-08	3.26E-07	7.13E-07	3.68E-08	3.24E-07	7.23E-07	3.51E-08	3.04E-07	6.75E-07
9,671	3.73E-08	3.32E-07	7.16E-07	3.89E-08	3.32E-07	7.58E-07	3.70E-08	3.26E-07	7.11E-07	3.67E-08	3.24E-07	7.22E-07	3.51E-08	3.04E-07	6.73E-07
9,672	3.72E-08	3.31E-07	7.16E-07	3.89E-08	3.31E-07	7.58E-07	3.69E-08	3.26E-07	7.08E-07	3.66E-08	3.23E-07	7.21E-07	3.51E-08	3.04E-07	6.72E-07
9,673	3.71E-08	3.31E-07	7.16E-07	3.87E-08	3.31E-07	7.57E-07	3.69E-08	3.25E-07	7.08E-07	3.65E-08	3.22E-07	7.18E-07	3.50E-08	3.04E-07	6.71E-07
9,674	3.71E-08	3.31E-07	7.15E-07	3.87E-08	3.31E-07	7.56E-07	3.68E-08	3.25E-07	7.07E-07	3.65E-08	3.22E-07	7.18E-07	3.50E-08	3.03E-07	6.71E-07
9,675	3.71E-08	3.30E-07	7.14E-07	3.87E-08	3.31E-07	7.54E-07	3.68E-08	3.24E-07	7.07E-07	3.65E-08	3.22E-07	7.16E-07	3.49E-08	3.03E-07	6.69E-07
9,676	3.71E-08	3.30E-07	7.14E-07	3.87E-08	3.30E-07	7.54E-07	3.68E-08	3.23E-07	7.05E-07	3.64E-08	3.22E-07	7.16E-07	3.49E-08	3.03E-07	6.69E-07
9,677	3.71E-08	3.30E-07	7.12E-07	3.86E-08	3.30E-07	7.53E-07	3.67E-08	3.23E-07	7.04E-07	3.64E-08	3.21E-07	7.15E-07	3.48E-08	3.03E-07	6.68E-07
9,678	3.71E-08	3.29E-07	7.10E-07	3.85E-08	3.29E-07	7.53E-07	3.66E-08	3.23E-07	7.04E-07	3.64E-08	3.20E-07	7.15E-07	3.48E-08	3.02E-07	6.67E-07
9,679	3.70E-08	3.29E-07	7.08E-07	3.85E-08	3.28E-07	7.52E-07	3.66E-08	3.23E-07	7.02E-07	3.63E-08	3.18E-07	7.13E-07	3.48E-08	3.02E-07	6.67E-07
9,680	3.70E-08	3.28E-07	7.06E-07	3.84E-08	3.28E-07	7.49E-07	3.65E-08	3.22E-07	7.00E-07	3.63E-08	3.17E-07	7.10E-07	3.48E-08	3.02E-07	6.66E-07
9,681	3.70E-08	3.28E-07	7.06E-07	3.83E-08	3.28E-07	7.49E-07	3.65E-08	3.22E-07	7.00E-07	3.63E-08	3.17E-07	7.09E-07	3.46E-08	3.01E-07	6.64E-07
9,682	3.70E-08	3.28E-07	7.04E-07	3.83E-08	3.28E-07	7.48E-07	3.65E-08	3.21E-07	7.00E-07	3.62E-08	3.16E-07	7.08E-07	3.46E-08	3.01E-07	6.64E-07
9,683	3.69E-08	3.27E-07	7.04E-07	3.83E-08	3.28E-07	7.48E-07	3.64E-08	3.21E-07	7.00E-07	3.62E-08	3.16E-07	7.06E-07	3.46E-08	3.01E-07	6.64E-07
9,684	3.69E-08	3.27E-07	7.03E-07	3.83E-08	3.27E-07	7.47E-07	3.64E-08	3.21E-07	6.99E-07	3.61E-08	3.16E-07	7.03E-07	3.44E-08	3.01E-07	6.64E-07
9,685	3.66E-08	3.26E-07	7.02E-07	3.82E-08	3.27E-07	7.46E-07	3.63E-08	3.21E-07	6.99E-07	3.59E-08	3.15E-07	7.02E-07	3.44E-08	3.00E-07	6.63E-07
9,686	3.66E-08	3.26E-07	7.01E-07	3.81E-08	3.26E-07	7.46E-07	3.62E-08	3.20E-07	6.99E-07	3.58E-08	3.15E-07	7.01E-07	3.43E-08	3.00E-07	6.62E-07
9,687	3.65E-08	3.26E-07	7.01E-07	3.80E-08	3.26E-07	7.45E-07	3.62E-08	3.19E-07	6.98E-07	3.56E-08	3.12E-07	7.01E-07	3.43E-08	3.00E-07	6.59E-07
9,688	3.65E-08	3.25E-07	6.98E-07	3.80E-08	3.26E-07	7.44E-07	3.61E-08	3.19E-07	6.98E-07	3.56E-08	3.11E-07	7.01E-07	3.43E-08	3.00E-07	6.59E-07
9,689	3.65E-08	3.25E-07	6.92E-07	3.80E-08	3.26E-07	7.43E-07	3.59E-08	3.18E-07	6.96E-07	3.55E-08	3.11E-07	7.00E-07	3.42E-08	2.99E-07	6.54E-07
9,690	3.64E-08	3.24E-07	6.91E-07	3.80E-08	3.25E-07	7.42E-07	3.59E-08	3.17E-07	6.96E-07	3.54E-08	3.11E-07	6.98E-07	3.42E-08	2.99E-07	6.53E-07
9,691	3.64E-08	3.24E-07	6.89E-07	3.80E-08	3.25E-07	7.41E-07	3.59E-08	3.16E-07	6.95E-07	3.53E-08	3.11E-07	6.97E-07	3.42E-08	2.99E-07	6.53E-07
9,692	3.64E-08	3.24E-07	6.88E-07	3.80E-08	3.25E-07	7.39E-07	3.58E-08	3.16E-07	6.95E-07	3.53E-08	3.10E-07	6.97E-07	3.42E-08	2.98E-07	6.53E-07
9,693	3.63E-08	3.23E-07	6.87E-07	3.79E-08	3.25E-07	7.38E-07	3.58E-08	3.16E-07	6.94E-07	3.51E-08	3.09E-07	6.96E-07	3.41E-08	2.98E-07	6.52E-07
9,694	3.63E-08	3.22E-07	6.87E-07	3.79E-08	3.23E-07	7.38E-07	3.58E-08	3.16E-07	6.93E-07	3.50E-08	3.09E-07	6.96E-07	3.41E-08	2.97E-07	6.51E-07
9,695	3.63E-08	3.22E-07	6.86E-07	3.78E-08	3.22E-07	7.36E-07	3.57E-08	3.15E-07	6.93E-07	3.50E-08	3.08E-07	6.95E-07	3.40E-08	2.97E-07	6.50E-07
9,696	3.62E-08	3.21E-07	6.85E-07	3.77E-08	3.22E-07	7.23E-07	3.57E-08	3.14E-07	6.91E-07	3.50E-08	3.08E-07	6.93E-07	3.40E-08	2.96E-07	6.48E-07
9,697	3.61E-08	3.20E-07	6.85E-07	3.75E-08	3.18E-07	7.23E-07	3.56E-08	3.14E-07	6.90E-07	3.50E-08	3.08E-07	6.91E-07	3.38E-08	2.95E-07	6.48E-07
9,698	3.59E-08	3.20E-07	6.84E-07	3.75E-08	3.17E-07	7.22E-07	3.56E-08	3.14E-07	6.90E-07	3.49E-08	3.07E-07	6.91E-07	3.38E-08	2.94E-07	6.46E-07
9,699	3.58E-08	3.20E-07	6.83E-07	3.74E-08	3.16E-07	7.22E-07	3.56E-08	3.13E-07	6.89E-07	3.48E-08	3.07E-07	6.89E-07	3.37E-08	2.94E-07	6.46E-07
9,700	3.57E-08	3.20E-07	6.81E-07	3.73E-08	3.15E-07	7.22E-07	3.55E-08	3.13E-07	6.89E-07	3.46E-08	3.06E-07	6.87E-07	3.36E-08	2.94E-07	6.45E-07
9,701	3.57E-08	3.20E-07	6.80E-07	3.73E-08	3.14E-07	7.16E-07	3.55E-08	3.13E-07	6.88E-07	3.46E-08	3.05E-07	6.85E-07	3.36E-08	2.94E-07	6.45E-07
9,702	3.56E-08	3.19E-07	6.77E-07	3.72E-08	3.14E-07	7.16E-07	3.54E-08	3.12E-07	6.87E-07	3.46E-08	3.05E-07	6.82E-07	3.35E-08	2.94E-07	6.44E-07
9,703	3.55E-08	3.19E-07	6.76E-07	3.70E-08	3.14E-07	7.16E-07	3.54E-08	3.11E-07	6.86E-07	3.45E-08	3.04E-07	6.81E-07	3.34E-08	2.93E-07	6.42E-07
9,704	3.54E-08	3.18E-07	6.75E-07	3.70E-08	3.13E-07	7.13E-07	3.53E-08	3.11E-07	6.86E-07	3.45E-08	3.03E-07	6.81E-07	3.34E-08	2.93E-07	6.40E-07
9,705	3.52E-08	3.18E-07	6.75E-07	3.69E-08	3.11E-07	7.13E-07	3.53E-08	3.10E-07	6.86E-07	3.45E-08	3.03E-07	6.79E-07	3.33E-08	2.93E-07	6.40E-07
9,706	3.52E-08	3.18E-07	6.73E-07	3.68E-08	3.10E-07	7.01E-07	3.49E-08	3.10E-07	6.85E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,712	3.51E-08	3.16E-07	6.64E-07	3.62E-08	3.09E-07	6.89E-07	3.46E-08	3.04E-07	6.74E-07	3.41E-08	3.01E-07	6.73E-07	3.30E-08	2.88E-07	6.31E-07
9,713	3.50E-08	3.16E-07	6.63E-07	3.62E-08	3.07E-07	6.89E-07	3.45E-08	3.04E-07	6.74E-07	3.40E-08	3.01E-07	6.73E-07	3.29E-08	2.88E-07	6.29E-07
9,714	3.50E-08	3.15E-07	6.61E-07	3.62E-08	3.07E-07	6.88E-07	3.45E-08	3.03E-07	6.72E-07	3.39E-08	3.01E-07	6.73E-07	3.29E-08	2.87E-07	6.28E-07
9,715	3.49E-08	3.14E-07	6.60E-07	3.62E-08	3.07E-07	6.88E-07	3.45E-08	3.03E-07	6.72E-07	3.39E-08	3.01E-07	6.71E-07	3.28E-08	2.87E-07	6.28E-07
9,716	3.49E-08	3.13E-07	6.60E-07	3.61E-08	3.05E-07	6.88E-07	3.45E-08	3.03E-07	6.71E-07	3.38E-08	3.00E-07	6.69E-07	3.28E-08	2.87E-07	6.27E-07
9,717	3.49E-08	3.13E-07	6.58E-07	3.61E-08	3.04E-07	6.87E-07	3.44E-08	3.03E-07	6.70E-07	3.37E-08	2.98E-07	6.69E-07	3.28E-08	2.87E-07	6.26E-07
9,718	3.48E-08	3.12E-07	6.57E-07	3.61E-08	3.04E-07	6.85E-07	3.44E-08	3.01E-07	6.70E-07	3.37E-08	2.98E-07	6.68E-07	3.27E-08	2.86E-07	6.25E-07
9,719	3.48E-08	3.11E-07	6.56E-07	3.60E-08	3.03E-07	6.83E-07	3.44E-08	3.00E-07	6.70E-07	3.36E-08	2.98E-07	6.66E-07	3.26E-08	2.86E-07	6.25E-07
9,720	3.46E-08	3.10E-07	6.56E-07	3.60E-08	3.03E-07	6.79E-07	3.41E-08	3.00E-07	6.70E-07	3.36E-08	2.98E-07	6.65E-07	3.26E-08	2.85E-07	6.25E-07
9,721	3.44E-08	3.08E-07	6.55E-07	3.60E-08	3.03E-07	6.79E-07	3.40E-08	3.00E-07	6.69E-07	3.35E-08	2.98E-07	6.61E-07	3.25E-08	2.84E-07	6.25E-07
9,722	3.44E-08	3.07E-07	6.53E-07	3.59E-08	3.02E-07	6.79E-07	3.39E-08	2.99E-07	6.69E-07	3.34E-08	2.96E-07	6.58E-07	3.25E-08	2.84E-07	6.25E-07
9,723	3.43E-08	3.07E-07	6.52E-07	3.58E-08	3.02E-07	6.77E-07	3.39E-08	2.97E-07	6.66E-07	3.32E-08	2.96E-07	6.57E-07	3.25E-08	2.84E-07	6.23E-07
9,724	3.43E-08	3.07E-07	6.52E-07	3.58E-08	3.01E-07	6.75E-07	3.39E-08	2.97E-07	6.66E-07	3.32E-08	2.95E-07	6.57E-07	3.24E-08	2.82E-07	6.22E-07
9,725	3.42E-08	3.07E-07	6.52E-07	3.55E-08	3.01E-07	6.71E-07	3.38E-08	2.96E-07	6.65E-07	3.32E-08	2.94E-07	6.57E-07	3.22E-08	2.82E-07	6.22E-07
9,726	3.40E-08	3.07E-07	6.50E-07	3.55E-08	3.01E-07	6.71E-07	3.38E-08	2.96E-07	6.64E-07	3.31E-08	2.94E-07	6.56E-07	3.21E-08	2.81E-07	6.21E-07
9,727	3.39E-08	3.06E-07	6.50E-07	3.53E-08	3.00E-07	6.69E-07	3.38E-08	2.95E-07	6.63E-07	3.31E-08	2.94E-07	6.56E-07	3.21E-08	2.80E-07	6.19E-07
9,728	3.37E-08	3.06E-07	6.46E-07	3.53E-08	3.00E-07	6.68E-07	3.38E-08	2.94E-07	6.62E-07	3.30E-08	2.91E-07	6.54E-07	3.21E-08	2.80E-07	6.18E-07
9,729	3.37E-08	3.05E-07	6.43E-07	3.52E-08	3.00E-07	6.68E-07	3.38E-08	2.94E-07	6.62E-07	3.29E-08	2.90E-07	6.49E-07	3.20E-08	2.79E-07	6.17E-07
9,730	3.36E-08	3.05E-07	6.43E-07	3.52E-08	2.99E-07	6.67E-07	3.38E-08	2.93E-07	6.59E-07	3.29E-08	2.90E-07	6.49E-07	3.20E-08	2.79E-07	6.16E-07
9,731	3.36E-08	3.05E-07	6.42E-07	3.52E-08	2.98E-07	6.67E-07	3.38E-08	2.93E-07	6.59E-07	3.29E-08	2.89E-07	6.48E-07	3.20E-08	2.77E-07	6.15E-07
9,732	3.35E-08	3.05E-07	6.42E-07	3.51E-08	2.98E-07	6.66E-07	3.37E-08	2.93E-07	6.58E-07	3.28E-08	2.89E-07	6.48E-07	3.20E-08	2.77E-07	6.15E-07
9,733	3.35E-08	3.03E-07	6.41E-07	3.51E-08	2.95E-07	6.66E-07	3.36E-08	2.93E-07	6.57E-07	3.27E-08	2.88E-07	6.48E-07	3.18E-08	2.77E-07	6.15E-07
9,734	3.35E-08	3.03E-07	6.40E-07	3.51E-08	2.95E-07	6.66E-07	3.36E-08	2.93E-07	6.56E-07	3.27E-08	2.88E-07	6.47E-07	3.18E-08	2.77E-07	6.11E-07
9,735	3.34E-08	3.03E-07	6.40E-07	3.50E-08	2.94E-07	6.66E-07	3.35E-08	2.92E-07	6.55E-07	3.26E-08	2.88E-07	6.46E-07	3.18E-08	2.77E-07	6.10E-07
9,736	3.33E-08	3.03E-07	6.38E-07	3.49E-08	2.94E-07	6.64E-07	3.34E-08	2.92E-07	6.54E-07	3.25E-08	2.85E-07	6.46E-07	3.17E-08	2.76E-07	6.09E-07
9,737	3.33E-08	3.02E-07	6.38E-07	3.49E-08	2.93E-07	6.64E-07	3.33E-08	2.90E-07	6.54E-07	3.24E-08	2.85E-07	6.44E-07	3.16E-08	2.76E-07	6.09E-07
9,738	3.32E-08	3.02E-07	6.37E-07	3.47E-08	2.91E-07	6.63E-07	3.33E-08	2.90E-07	6.54E-07	3.23E-08	2.85E-07	6.43E-07	3.16E-08	2.75E-07	6.06E-07
9,739	3.32E-08	3.02E-07	6.35E-07	3.47E-08	2.90E-07	6.61E-07	3.32E-08	2.90E-07	6.52E-07	3.23E-08	2.85E-07	6.42E-07	3.16E-08	2.75E-07	6.04E-07
9,740	3.30E-08	3.01E-07	6.33E-07	3.46E-08	2.90E-07	6.60E-07	3.31E-08	2.90E-07	6.51E-07	3.22E-08	2.84E-07	6.42E-07	3.16E-08	2.74E-07	6.04E-07
9,741	3.29E-08	3.01E-07	6.31E-07	3.46E-08	2.89E-07	6.59E-07	3.31E-08	2.88E-07	6.49E-07	3.21E-08	2.84E-07	6.42E-07	3.15E-08	2.74E-07	6.02E-07
9,742	3.27E-08	3.00E-07	6.27E-07	3.46E-08	2.87E-07	6.59E-07	3.31E-08	2.88E-07	6.48E-07	3.20E-08	2.84E-07	6.41E-07	3.15E-08	2.74E-07	6.02E-07
9,743	3.26E-08	2.99E-07	6.26E-07	3.45E-08	2.87E-07	6.59E-07	3.30E-08	2.87E-07	6.47E-07	3.19E-08	2.84E-07	6.40E-07	3.14E-08	2.74E-07	6.02E-07
9,744	3.26E-08	2.99E-07	6.25E-07	3.45E-08	2.85E-07	6.59E-07	3.29E-08	2.87E-07	6.47E-07	3.18E-08	2.84E-07	6.40E-07	3.14E-08	2.73E-07	6.02E-07
9,745	3.25E-08	2.99E-07	6.24E-07	3.45E-08	2.85E-07	6.58E-07	3.29E-08	2.85E-07	6.45E-07	3.18E-08	2.83E-07	6.40E-07	3.14E-08	2.73E-07	6.00E-07
9,746	3.25E-08	2.99E-07	6.23E-07	3.43E-08	2.85E-07	6.56E-07	3.28E-08	2.85E-07	6.43E-07	3.18E-08	2.83E-07	6.38E-07	3.13E-08	2.73E-07	6.00E-07
9,747	3.25E-08	2.98E-07	6.22E-07	3.43E-08	2.83E-07	6.56E-07	3.28E-08	2.85E-07	6.43E-07	3.17E-08	2.82E-07	6.38E-07	3.13E-08	2.71E-07	5.99E-07
9,748	3.25E-08	2.98E-07	6.21E-07	3.43E-08	2.83E-07	6.54E-07	3.27E-08	2.84E-07	6.41E-07	3.17E-08	2.82E-07	6.35E-07	3.13E-08	2.70E-07	5.97E-07
9,749	3.24E-08	2.98E-07	6.21E-07	3.42E-08	2.82E-07	6.53E-07	3.26E-08	2.84E-07	6.41E-07	3.14E-08	2.82E-07	6.35E-07	3.10E-08	2.70E-07	5.97E-07
9,750	3.22E-08	2.97E-07	6.21E-07	3.42E-08	2.82E-07	6.53E-07	3.26E-08	2.84E-07	6.40E-07	3.12E-08	2.82E-07	6.35E-07	3.08E-08	2.69E-07	5.96E-07
9,751	3.22E-08	2.97E-07	6.21E-07	3.42E-08	2.82E-07	6.52E-07	3.25E-08	2.84E-07	6.39E-07	3.12E-08	2.81E-07	6.34E-07	3.08E-08	2.69E-07	5.96E-07
9,752	3.22E-08	2.96E-07	6.17E-07	3.41E-08	2.81E-07	6.51E-07	3.24E-08	2.82E-07	6.38E-07	3.12E-08	2.81E-07	6.32E-07	3.08E-08	2.68E-07	5.96E-07
9,753	3.20E-08	2.95E-07	6.17E-07	3.39E-08	2.81E-07	6.51E-07	3.24E-08	2.81E-07	6.38E-07	3.12E-08	2.81E-07	6.31E-07	3.08E-08	2.68E-07	5.96E-07
9,754	3.18E-08	2.93E-07	6.16E-07	3.39E-08	2.80E-07	6.50E-07	3.24E-08	2.81E-07	6.37E-07	3.11E-08	2.81E-07	6.30E-07	3.07E-08	2.66E-07	5.87E-07
9,755	3.18E-08	2.93E-07	6.16E-07	3.37E-08	2.80E-07	6.48E-07	3.24E-08	2.81E-07	6.37E-07	3.11E-08	2.80E-07	6.30E-07	3.07E-08	2.66E-07	5.87E-07
9,756	3.18E-08	2.92E-07	6.16E-07	3.36E-08	2.80E-07	6.47E-07	3.22E-08	2.81E-07	6.34E-07	3.10E-08	2.79E-07	6.29E-07	3.05E-08	2.66E-07	5.87E-07
9,757	3.17E-08	2.92E-07	6.13E-07	3.35E-08	2.79E-07	6.46E-07	3.21E-08	2.81E-07	6.33E-07	3.09E-08	2.79E-07	6.29E-07	3.05E-08	2.66E-07	5.86E-07
9,758	3.17E-08	2.89E-07	6.13E-07	3.34E-08	2.76E-07	6.45E-07	3.21E-08	2.80E-07	6.31E-07	3.07E-08	2.79E-07	6.28E-07	3.04E-08	2.65E-07	5.86E-07
9,759	3.16E-08	2.89E-07	6.12E-07	3.33E-08	2.76E-07	6.43E-07	3.21E-08	2.80E-07	6.29E-07	3.06E-08	2.79E-07	6.28E-07	3.04E-08	2.65E-07	5.82E-07
9,760	3.16E-08	2.87E-07	6.12E-07	3.32E-08	2.74E-07	6.43E-07	3.19E-08	2.80E-07	6.28E-07	3.06E-08	2.78E-07	6.27E-07	3.03E-08	2.65E-07	5.80E-07
9,761	3.16E-08	2.87E-07	6.12E-07	3.32E-08	2.73E-07	6.43E-07	3.19E-08	2.79E-07	6.28E-07	3.06E-08	2.78E-07	6.25E-07	3.00E-08	2.63E-07	5.80E-07
9,762	3.16E-08	2.87E-07	6.11E-07	3.32E-08	2.73E-07	6.42E-07	3.18E-08	2.79E-07	6.27E-07	3.05E-08	2.77E-07	6.23E-07	2.99E-08	2.62E-07	5.79E-07
9,763	3.16E-08	2.87E-07	6.11E-07	3.31E-08	2.73E-07	6.41E-07	3.18E-08	2.79E-07	6.25E-07	3.03E-08	2.77E-07	6.22E-07	2.97E-08	2.61E-07	5.79E-07
9,764	3.15E-08	2.87E-07	6.10E-07	3.31E-08	2.72E-07	6.40E-07	3.17E-08	2.79E-07	6.24E-07	3.03E-08	2.77E-07	6.21E-07	2.97E-08	2.61E-07	5.78E-07
9,765	3.15E-08	2.86E-07	6.10E-07	3.31E-08	2.72E-07	6.38E-07	3.16E-08	2.78E-07	6.23E-07	3.02E-08	2.77E-07	6.21E-07	2.96E-08	2.61E-07	5.77E-07
9,766	3.14E-08	2.86E-07	6.09E-07	3.30E-08	2.72E-07	6.36E-07	3.16E-08	2.78E-07	6.20E-07	3.02E-08	2.77E-07	6.19E-07	2.96E-08	2.61E-07	5.77E-07
9,767	3.12E-08	2.86E-07	6.07E-07	3.29E-08	2.72E-07	6.36E-07	3.16E-08	2.77E-07	6.20E-07	3.00E-08	2.77E-07	6.18E-07	2.95E-08	2.61E-07	5.76E-07
9,768	3.12E-08	2.86E-07	6.07E-07	3.28E-08	2.72E-07	6.35E-07	3.16E-08	2.76E-07	6.19E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,774	3.05E-08	2.83E-07	6.04E-07	3.23E-08	2.67E-07	6.29E-07	3.12E-08	2.72E-07	6.14E-07	2.98E-08	2.72E-07	6.13E-07	2.94E-08	2.54E-07	5.73E-07
9,775	3.05E-08	2.83E-07	6.03E-07	3.23E-08	2.67E-07	6.27E-07	3.12E-08	2.71E-07	6.13E-07	2.98E-08	2.71E-07	6.11E-07	2.93E-08	2.53E-07	5.72E-07
9,776	3.05E-08	2.80E-07	6.02E-07	3.22E-08	2.66E-07	6.27E-07	3.12E-08	2.71E-07	6.12E-07	2.97E-08	2.70E-07	6.09E-07	2.93E-08	2.53E-07	5.72E-07
9,777	3.03E-08	2.79E-07	6.02E-07	3.22E-08	2.66E-07	6.26E-07	3.12E-08	2.71E-07	6.10E-07	2.97E-08	2.70E-07	6.08E-07	2.92E-08	2.52E-07	5.72E-07
9,778	3.03E-08	2.79E-07	5.99E-07	3.21E-08	2.66E-07	6.24E-07	3.11E-08	2.71E-07	6.09E-07	2.95E-08	2.70E-07	6.05E-07	2.91E-08	2.51E-07	5.71E-07
9,779	3.03E-08	2.79E-07	5.98E-07	3.21E-08	2.66E-07	6.23E-07	3.11E-08	2.71E-07	6.07E-07	2.95E-08	2.69E-07	6.05E-07	2.91E-08	2.50E-07	5.69E-07
9,780	3.03E-08	2.79E-07	5.96E-07	3.20E-08	2.65E-07	6.22E-07	3.11E-08	2.70E-07	6.07E-07	2.95E-08	2.69E-07	6.03E-07	2.91E-08	2.49E-07	5.68E-07
9,781	3.03E-08	2.78E-07	5.95E-07	3.19E-08	2.65E-07	6.19E-07	3.11E-08	2.70E-07	6.07E-07	2.94E-08	2.69E-07	6.02E-07	2.90E-08	2.49E-07	5.68E-07
9,782	3.02E-08	2.77E-07	5.95E-07	3.19E-08	2.65E-07	6.19E-07	3.11E-08	2.69E-07	6.06E-07	2.94E-08	2.68E-07	6.01E-07	2.90E-08	2.48E-07	5.67E-07
9,783	3.02E-08	2.77E-07	5.94E-07	3.17E-08	2.65E-07	6.17E-07	3.11E-08	2.69E-07	6.06E-07	2.94E-08	2.67E-07	5.99E-07	2.89E-08	2.48E-07	5.67E-07
9,784	3.01E-08	2.77E-07	5.91E-07	3.16E-08	2.65E-07	6.15E-07	3.11E-08	2.68E-07	6.05E-07	2.93E-08	2.67E-07	5.97E-07	2.88E-08	2.47E-07	5.66E-07
9,785	3.01E-08	2.76E-07	5.90E-07	3.14E-08	2.64E-07	6.13E-07	3.09E-08	2.68E-07	6.05E-07	2.93E-08	2.67E-07	5.97E-07	2.88E-08	2.46E-07	5.63E-07
9,786	3.00E-08	2.76E-07	5.89E-07	3.14E-08	2.64E-07	6.13E-07	3.09E-08	2.67E-07	6.04E-07	2.92E-08	2.67E-07	5.96E-07	2.88E-08	2.46E-07	5.63E-07
9,787	3.00E-08	2.75E-07	5.88E-07	3.13E-08	2.64E-07	6.12E-07	3.07E-08	2.67E-07	6.04E-07	2.91E-08	2.66E-07	5.96E-07	2.87E-08	2.46E-07	5.62E-07
9,788	2.98E-08	2.74E-07	5.85E-07	3.13E-08	2.64E-07	6.11E-07	3.07E-08	2.66E-07	6.04E-07	2.90E-08	2.66E-07	5.94E-07	2.86E-08	2.46E-07	5.61E-07
9,789	2.98E-08	2.74E-07	5.85E-07	3.11E-08	2.64E-07	6.11E-07	3.07E-08	2.66E-07	6.04E-07	2.90E-08	2.66E-07	5.92E-07	2.85E-08	2.45E-07	5.60E-07
9,790	2.98E-08	2.74E-07	5.82E-07	3.11E-08	2.62E-07	6.06E-07	3.07E-08	2.65E-07	6.03E-07	2.90E-08	2.65E-07	5.91E-07	2.84E-08	2.45E-07	5.60E-07
9,791	2.97E-08	2.74E-07	5.79E-07	3.10E-08	2.62E-07	6.06E-07	3.07E-08	2.64E-07	6.03E-07	2.89E-08	2.64E-07	5.91E-07	2.84E-08	2.45E-07	5.59E-07
9,792	2.96E-08	2.74E-07	5.79E-07	3.09E-08	2.62E-07	6.06E-07	3.05E-08	2.64E-07	6.03E-07	2.89E-08	2.63E-07	5.90E-07	2.84E-08	2.45E-07	5.59E-07
9,793	2.94E-08	2.72E-07	5.78E-07	3.09E-08	2.62E-07	6.05E-07	3.01E-08	2.64E-07	6.01E-07	2.89E-08	2.63E-07	5.90E-07	2.82E-08	2.44E-07	5.59E-07
9,794	2.92E-08	2.71E-07	5.78E-07	3.08E-08	2.61E-07	6.04E-07	3.01E-08	2.63E-07	6.01E-07	2.88E-08	2.61E-07	5.89E-07	2.81E-08	2.44E-07	5.56E-07
9,795	2.92E-08	2.70E-07	5.77E-07	3.06E-08	2.61E-07	6.02E-07	3.00E-08	2.63E-07	6.00E-07	2.88E-08	2.61E-07	5.85E-07	2.81E-08	2.44E-07	5.55E-07
9,796	2.92E-08	2.70E-07	5.75E-07	3.06E-08	2.60E-07	6.02E-07	2.97E-08	2.63E-07	6.00E-07	2.88E-08	2.60E-07	5.82E-07	2.81E-08	2.44E-07	5.55E-07
9,797	2.91E-08	2.66E-07	5.73E-07	3.06E-08	2.60E-07	6.01E-07	2.97E-08	2.61E-07	6.00E-07	2.88E-08	2.60E-07	5.82E-07	2.80E-08	2.43E-07	5.55E-07
9,798	2.91E-08	2.66E-07	5.72E-07	3.05E-08	2.59E-07	6.00E-07	2.97E-08	2.61E-07	5.98E-07	2.86E-08	2.60E-07	5.80E-07	2.79E-08	2.43E-07	5.54E-07
9,799	2.91E-08	2.64E-07	5.71E-07	3.04E-08	2.58E-07	6.00E-07	2.97E-08	2.60E-07	5.97E-07	2.86E-08	2.59E-07	5.80E-07	2.78E-08	2.42E-07	5.52E-07
9,800	2.91E-08	2.63E-07	5.71E-07	3.04E-08	2.57E-07	5.97E-07	2.96E-08	2.60E-07	5.97E-07	2.86E-08	2.59E-07	5.79E-07	2.78E-08	2.42E-07	5.47E-07
9,801	2.90E-08	2.63E-07	5.68E-07	3.03E-08	2.56E-07	5.95E-07	2.96E-08	2.59E-07	5.97E-07	2.85E-08	2.58E-07	5.77E-07	2.78E-08	2.41E-07	5.47E-07
9,802	2.89E-08	2.62E-07	5.67E-07	3.02E-08	2.55E-07	5.93E-07	2.95E-08	2.59E-07	5.96E-07	2.85E-08	2.57E-07	5.77E-07	2.77E-08	2.41E-07	5.47E-07
9,803	2.89E-08	2.62E-07	5.67E-07	3.02E-08	2.55E-07	5.90E-07	2.94E-08	2.59E-07	5.93E-07	2.84E-08	2.56E-07	5.76E-07	2.76E-08	2.41E-07	5.46E-07
9,804	2.87E-08	2.61E-07	5.65E-07	3.01E-08	2.52E-07	5.90E-07	2.93E-08	2.58E-07	5.92E-07	2.84E-08	2.56E-07	5.75E-07	2.75E-08	2.41E-07	5.44E-07
9,805	2.85E-08	2.60E-07	5.64E-07	3.00E-08	2.52E-07	5.87E-07	2.92E-08	2.58E-07	5.91E-07	2.83E-08	2.56E-07	5.74E-07	2.75E-08	2.40E-07	5.44E-07
9,806	2.85E-08	2.60E-07	5.64E-07	3.00E-08	2.52E-07	5.86E-07	2.91E-08	2.57E-07	5.91E-07	2.82E-08	2.55E-07	5.72E-07	2.75E-08	2.39E-07	5.43E-07
9,807	2.84E-08	2.59E-07	5.63E-07	2.98E-08	2.51E-07	5.85E-07	2.89E-08	2.57E-07	5.90E-07	2.82E-08	2.55E-07	5.70E-07	2.75E-08	2.39E-07	5.41E-07
9,808	2.84E-08	2.59E-07	5.63E-07	2.98E-08	2.50E-07	5.84E-07	2.88E-08	2.56E-07	5.90E-07	2.81E-08	2.55E-07	5.70E-07	2.74E-08	2.39E-07	5.39E-07
9,809	2.83E-08	2.59E-07	5.59E-07	2.98E-08	2.50E-07	5.84E-07	2.87E-08	2.55E-07	5.89E-07	2.81E-08	2.54E-07	5.69E-07	2.74E-08	2.39E-07	5.38E-07
9,810	2.83E-08	2.59E-07	5.57E-07	2.97E-08	2.49E-07	5.84E-07	2.86E-08	2.55E-07	5.87E-07	2.81E-08	2.54E-07	5.69E-07	2.72E-08	2.38E-07	5.36E-07
9,811	2.82E-08	2.59E-07	5.52E-07	2.96E-08	2.48E-07	5.84E-07	2.86E-08	2.55E-07	5.86E-07	2.81E-08	2.53E-07	5.69E-07	2.72E-08	2.37E-07	5.34E-07
9,812	2.82E-08	2.58E-07	5.51E-07	2.95E-08	2.48E-07	5.80E-07	2.85E-08	2.54E-07	5.83E-07	2.80E-08	2.53E-07	5.69E-07	2.72E-08	2.35E-07	5.32E-07
9,813	2.81E-08	2.58E-07	5.47E-07	2.94E-08	2.47E-07	5.80E-07	2.84E-08	2.54E-07	5.81E-07	2.79E-08	2.52E-07	5.67E-07	2.71E-08	2.34E-07	5.30E-07
9,814	2.81E-08	2.57E-07	5.44E-07	2.94E-08	2.46E-07	5.79E-07	2.83E-08	2.54E-07	5.81E-07	2.78E-08	2.52E-07	5.67E-07	2.71E-08	2.33E-07	5.30E-07
9,815	2.81E-08	2.57E-07	5.42E-07	2.93E-08	2.46E-07	5.79E-07	2.83E-08	2.54E-07	5.79E-07	2.77E-08	2.52E-07	5.66E-07	2.70E-08	2.33E-07	5.28E-07
9,816	2.79E-08	2.56E-07	5.41E-07	2.93E-08	2.46E-07	5.75E-07	2.81E-08	2.52E-07	5.79E-07	2.76E-08	2.50E-07	5.66E-07	2.70E-08	2.32E-07	5.26E-07
9,817	2.79E-08	2.55E-07	5.41E-07	2.91E-08	2.45E-07	5.75E-07	2.81E-08	2.52E-07	5.73E-07	2.76E-08	2.48E-07	5.61E-07	2.69E-08	2.31E-07	5.25E-07
9,818	2.78E-08	2.55E-07	5.39E-07	2.90E-08	2.45E-07	5.75E-07	2.78E-08	2.52E-07	5.72E-07	2.75E-08	2.47E-07	5.60E-07	2.69E-08	2.30E-07	5.24E-07
9,819	2.78E-08	2.54E-07	5.39E-07	2.90E-08	2.43E-07	5.74E-07	2.77E-08	2.51E-07	5.71E-07	2.74E-08	2.46E-07	5.59E-07	2.68E-08	2.29E-07	5.24E-07
9,820	2.77E-08	2.53E-07	5.39E-07	2.89E-08	2.43E-07	5.74E-07	2.77E-08	2.51E-07	5.71E-07	2.74E-08	2.46E-07	5.59E-07	2.67E-08	2.29E-07	5.22E-07
9,821	2.77E-08	2.52E-07	5.38E-07	2.89E-08	2.43E-07	5.73E-07	2.77E-08	2.51E-07	5.70E-07	2.74E-08	2.45E-07	5.58E-07	2.67E-08	2.27E-07	5.21E-07
9,822	2.77E-08	2.51E-07	5.38E-07	2.87E-08	2.42E-07	5.73E-07	2.76E-08	2.50E-07	5.70E-07	2.73E-08	2.44E-07	5.57E-07	2.66E-08	2.26E-07	5.18E-07
9,823	2.76E-08	2.50E-07	5.37E-07	2.86E-08	2.40E-07	5.70E-07	2.76E-08	2.48E-07	5.69E-07	2.72E-08	2.44E-07	5.55E-07	2.66E-08	2.25E-07	5.16E-07
9,824	2.75E-08	2.50E-07	5.37E-07	2.85E-08	2.40E-07	5.66E-07	2.75E-08	2.48E-07	5.68E-07	2.71E-08	2.44E-07	5.54E-07	2.65E-08	2.25E-07	5.15E-07
9,825	2.75E-08	2.50E-07	5.37E-07	2.85E-08	2.40E-07	5.66E-07	2.74E-08	2.47E-07	5.68E-07	2.70E-08	2.43E-07	5.52E-07	2.64E-08	2.25E-07	5.14E-07
9,826	2.74E-08	2.49E-07	5.37E-07	2.84E-08	2.39E-07	5.60E-07	2.74E-08	2.46E-07	5.66E-07	2.69E-08	2.43E-07	5.51E-07	2.62E-08	2.24E-07	5.13E-07
9,827	2.74E-08	2.48E-07	5.31E-07	2.84E-08	2.38E-07	5.59E-07	2.73E-08	2.45E-07	5.65E-07	2.68E-08	2.43E-07	5.51E-07	2.61E-08	2.24E-07	5.12E-07
9,828	2.72E-08	2.48E-07	5.28E-07	2.83E-08	2.36E-07	5.56E-07	2.73E-08	2.44E-07	5.63E-07	2.68E-08	2.42E-07	5.51E-07	2.60E-08	2.23E-07	5.11E-07
9,829	2.72E-08	2.47E-07	5.25E-07	2.79E-08	2.36E-07	5.54E-07	2.73E-08	2.43E-07	5.62E-07	2.68E-08	2.40E-07	5.50E-07	2.59E-08	2.23E-07	5.08E-07
9,830	2.72E-08	2.47E-07	5.25E-07	2.79E-08	2.35E-07	5.53E-07	2.73E-08	2.42E-07	5.61E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,836	2.62E-08	2.45E-07	5.21E-07	2.76E-08	2.30E-07	5.47E-07	2.68E-08	2.38E-07	5.46E-07	2.63E-08	2.37E-07	5.39E-07	2.55E-08	2.20E-07	4.93E-07
9,837	2.62E-08	2.45E-07	5.19E-07	2.75E-08	2.30E-07	5.47E-07	2.68E-08	2.37E-07	5.46E-07	2.63E-08	2.36E-07	5.39E-07	2.55E-08	2.20E-07	4.93E-07
9,838	2.59E-08	2.45E-07	5.17E-07	2.74E-08	2.30E-07	5.46E-07	2.67E-08	2.37E-07	5.45E-07	2.63E-08	2.35E-07	5.35E-07	2.55E-08	2.19E-07	4.92E-07
9,839	2.58E-08	2.44E-07	5.16E-07	2.74E-08	2.30E-07	5.45E-07	2.65E-08	2.36E-07	5.45E-07	2.63E-08	2.33E-07	5.34E-07	2.54E-08	2.19E-07	4.91E-07
9,840	2.58E-08	2.44E-07	5.16E-07	2.74E-08	2.30E-07	5.42E-07	2.65E-08	2.36E-07	5.44E-07	2.61E-08	2.32E-07	5.33E-07	2.53E-08	2.17E-07	4.91E-07
9,841	2.57E-08	2.43E-07	5.15E-07	2.74E-08	2.29E-07	5.40E-07	2.64E-08	2.34E-07	5.44E-07	2.60E-08	2.31E-07	5.31E-07	2.53E-08	2.17E-07	4.90E-07
9,842	2.55E-08	2.42E-07	5.14E-07	2.72E-08	2.29E-07	5.40E-07	2.64E-08	2.34E-07	5.44E-07	2.59E-08	2.31E-07	5.29E-07	2.50E-08	2.17E-07	4.87E-07
9,843	2.55E-08	2.42E-07	5.12E-07	2.69E-08	2.28E-07	5.38E-07	2.63E-08	2.33E-07	5.40E-07	2.58E-08	2.30E-07	5.26E-07	2.49E-08	2.16E-07	4.86E-07
9,844	2.52E-08	2.41E-07	5.12E-07	2.69E-08	2.27E-07	5.37E-07	2.63E-08	2.32E-07	5.38E-07	2.57E-08	2.30E-07	5.24E-07	2.49E-08	2.15E-07	4.86E-07
9,845	2.50E-08	2.41E-07	5.10E-07	2.69E-08	2.27E-07	5.35E-07	2.62E-08	2.31E-07	5.37E-07	2.56E-08	2.29E-07	5.24E-07	2.48E-08	2.14E-07	4.82E-07
9,846	2.50E-08	2.37E-07	5.09E-07	2.68E-08	2.26E-07	5.34E-07	2.61E-08	2.31E-07	5.36E-07	2.55E-08	2.29E-07	5.23E-07	2.48E-08	2.13E-07	4.79E-07
9,847	2.48E-08	2.37E-07	5.05E-07	2.68E-08	2.26E-07	5.34E-07	2.61E-08	2.31E-07	5.36E-07	2.55E-08	2.28E-07	5.22E-07	2.48E-08	2.12E-07	4.79E-07
9,848	2.48E-08	2.37E-07	5.01E-07	2.67E-08	2.26E-07	5.34E-07	2.60E-08	2.30E-07	5.34E-07	2.52E-08	2.26E-07	5.22E-07	2.48E-08	2.12E-07	4.79E-07
9,849	2.47E-08	2.36E-07	5.01E-07	2.66E-08	2.25E-07	5.32E-07	2.60E-08	2.30E-07	5.31E-07	2.51E-08	2.26E-07	5.21E-07	2.47E-08	2.12E-07	4.77E-07
9,850	2.46E-08	2.36E-07	5.01E-07	2.65E-08	2.25E-07	5.30E-07	2.59E-08	2.29E-07	5.28E-07	2.50E-08	2.25E-07	5.21E-07	2.47E-08	2.11E-07	4.76E-07
9,851	2.46E-08	2.35E-07	4.98E-07	2.64E-08	2.24E-07	5.29E-07	2.59E-08	2.28E-07	5.28E-07	2.49E-08	2.23E-07	5.20E-07	2.47E-08	2.10E-07	4.74E-07
9,852	2.45E-08	2.35E-07	4.96E-07	2.64E-08	2.24E-07	5.26E-07	2.59E-08	2.27E-07	5.28E-07	2.48E-08	2.23E-07	5.19E-07	2.46E-08	2.10E-07	4.72E-07
9,853	2.43E-08	2.35E-07	4.96E-07	2.63E-08	2.23E-07	5.26E-07	2.56E-08	2.26E-07	5.27E-07	2.46E-08	2.23E-07	5.16E-07	2.45E-08	2.09E-07	4.70E-07
9,854	2.43E-08	2.34E-07	4.91E-07	2.62E-08	2.22E-07	5.25E-07	2.55E-08	2.26E-07	5.27E-07	2.46E-08	2.23E-07	5.15E-07	2.43E-08	2.09E-07	4.70E-07
9,855	2.43E-08	2.33E-07	4.89E-07	2.61E-08	2.22E-07	5.25E-07	2.53E-08	2.24E-07	5.27E-07	2.45E-08	2.22E-07	5.14E-07	2.43E-08	2.09E-07	4.69E-07
9,856	2.42E-08	2.32E-07	4.89E-07	2.59E-08	2.22E-07	5.22E-07	2.53E-08	2.24E-07	5.21E-07	2.44E-08	2.22E-07	5.12E-07	2.43E-08	2.08E-07	4.67E-07
9,857	2.41E-08	2.32E-07	4.86E-07	2.59E-08	2.21E-07	5.22E-07	2.52E-08	2.24E-07	5.20E-07	2.44E-08	2.22E-07	5.10E-07	2.43E-08	2.08E-07	4.64E-07
9,858	2.39E-08	2.31E-07	4.84E-07	2.59E-08	2.21E-07	5.22E-07	2.52E-08	2.24E-07	5.18E-07	2.43E-08	2.21E-07	5.07E-07	2.41E-08	2.07E-07	4.64E-07
9,859	2.38E-08	2.31E-07	4.82E-07	2.58E-08	2.20E-07	5.21E-07	2.51E-08	2.22E-07	5.16E-07	2.43E-08	2.21E-07	5.06E-07	2.41E-08	2.07E-07	4.63E-07
9,860	2.37E-08	2.30E-07	4.81E-07	2.58E-08	2.20E-07	5.18E-07	2.49E-08	2.22E-07	5.15E-07	2.43E-08	2.20E-07	5.06E-07	2.40E-08	2.06E-07	4.62E-07
9,861	2.37E-08	2.30E-07	4.80E-07	2.58E-08	2.19E-07	5.10E-07	2.49E-08	2.21E-07	5.15E-07	2.42E-08	2.20E-07	5.04E-07	2.40E-08	2.06E-07	4.61E-07
9,862	2.37E-08	2.29E-07	4.77E-07	2.57E-08	2.19E-07	5.10E-07	2.48E-08	2.20E-07	5.14E-07	2.42E-08	2.20E-07	5.04E-07	2.39E-08	2.06E-07	4.58E-07
9,863	2.33E-08	2.28E-07	4.76E-07	2.56E-08	2.19E-07	5.07E-07	2.48E-08	2.17E-07	5.13E-07	2.41E-08	2.19E-07	5.02E-07	2.38E-08	2.06E-07	4.55E-07
9,864	2.32E-08	2.26E-07	4.76E-07	2.55E-08	2.19E-07	5.06E-07	2.47E-08	2.17E-07	5.10E-07	2.41E-08	2.18E-07	5.01E-07	2.38E-08	2.06E-07	4.53E-07
9,865	2.30E-08	2.26E-07	4.72E-07	2.54E-08	2.16E-07	5.06E-07	2.47E-08	2.17E-07	5.10E-07	2.40E-08	2.17E-07	4.99E-07	2.36E-08	2.05E-07	4.50E-07
9,866	2.30E-08	2.25E-07	4.71E-07	2.54E-08	2.16E-07	5.05E-07	2.45E-08	2.16E-07	5.04E-07	2.40E-08	2.15E-07	4.95E-07	2.36E-08	2.05E-07	4.49E-07
9,867	2.29E-08	2.25E-07	4.71E-07	2.54E-08	2.15E-07	5.00E-07	2.45E-08	2.16E-07	5.04E-07	2.39E-08	2.14E-07	4.94E-07	2.35E-08	2.04E-07	4.47E-07
9,868	2.29E-08	2.25E-07	4.71E-07	2.53E-08	2.14E-07	5.00E-07	2.44E-08	2.16E-07	5.03E-07	2.37E-08	2.13E-07	4.93E-07	2.35E-08	2.03E-07	4.46E-07
9,869	2.29E-08	2.25E-07	4.71E-07	2.52E-08	2.14E-07	4.98E-07	2.44E-08	2.15E-07	5.03E-07	2.37E-08	2.13E-07	4.91E-07	2.34E-08	2.03E-07	4.46E-07
9,870	2.29E-08	2.24E-07	4.67E-07	2.52E-08	2.13E-07	4.98E-07	2.42E-08	2.14E-07	5.03E-07	2.37E-08	2.12E-07	4.89E-07	2.32E-08	2.03E-07	4.40E-07
9,871	2.29E-08	2.24E-07	4.66E-07	2.52E-08	2.12E-07	4.94E-07	2.41E-08	2.13E-07	5.00E-07	2.37E-08	2.12E-07	4.88E-07	2.31E-08	2.01E-07	4.39E-07
9,872	2.29E-08	2.23E-07	4.62E-07	2.52E-08	2.11E-07	4.92E-07	2.39E-08	2.13E-07	4.96E-07	2.35E-08	2.10E-07	4.87E-07	2.31E-08	1.99E-07	4.39E-07
9,873	2.28E-08	2.21E-07	4.62E-07	2.52E-08	2.10E-07	4.92E-07	2.37E-08	2.13E-07	4.96E-07	2.33E-08	2.09E-07	4.86E-07	2.30E-08	1.99E-07	4.38E-07
9,874	2.27E-08	2.21E-07	4.61E-07	2.49E-08	2.09E-07	4.89E-07	2.36E-08	2.12E-07	4.95E-07	2.32E-08	2.09E-07	4.79E-07	2.30E-08	1.98E-07	4.33E-07
9,875	2.26E-08	2.20E-07	4.61E-07	2.48E-08	2.07E-07	4.88E-07	2.36E-08	2.12E-07	4.92E-07	2.32E-08	2.09E-07	4.78E-07	2.28E-08	1.98E-07	4.29E-07
9,876	2.26E-08	2.19E-07	4.60E-07	2.47E-08	2.06E-07	4.86E-07	2.36E-08	2.12E-07	4.92E-07	2.31E-08	2.07E-07	4.78E-07	2.28E-08	1.97E-07	4.24E-07
9,877	2.25E-08	2.18E-07	4.58E-07	2.47E-08	2.06E-07	4.83E-07	2.35E-08	2.11E-07	4.87E-07	2.30E-08	2.07E-07	4.75E-07	2.27E-08	1.96E-07	4.24E-07
9,878	2.24E-08	2.18E-07	4.56E-07	2.47E-08	2.05E-07	4.82E-07	2.35E-08	2.10E-07	4.86E-07	2.29E-08	2.07E-07	4.75E-07	2.26E-08	1.96E-07	4.19E-07
9,879	2.24E-08	2.17E-07	4.55E-07	2.47E-08	2.05E-07	4.77E-07	2.32E-08	2.10E-07	4.83E-07	2.29E-08	2.07E-07	4.72E-07	2.26E-08	1.95E-07	4.19E-07
9,880	2.23E-08	2.16E-07	4.54E-07	2.46E-08	2.04E-07	4.76E-07	2.32E-08	2.10E-07	4.81E-07	2.28E-08	2.06E-07	4.71E-07	2.24E-08	1.94E-07	4.19E-07
9,881	2.23E-08	2.15E-07	4.53E-07	2.46E-08	2.03E-07	4.76E-07	2.31E-08	2.09E-07	4.79E-07	2.28E-08	2.05E-07	4.69E-07	2.24E-08	1.94E-07	4.17E-07
9,882	2.22E-08	2.15E-07	4.53E-07	2.46E-08	2.02E-07	4.74E-07	2.30E-08	2.09E-07	4.71E-07	2.27E-08	2.05E-07	4.69E-07	2.23E-08	1.93E-07	4.08E-07
9,883	2.21E-08	2.15E-07	4.52E-07	2.45E-08	2.01E-07	4.74E-07	2.30E-08	2.08E-07	4.66E-07	2.26E-08	2.04E-07	4.65E-07	2.21E-08	1.93E-07	4.08E-07
9,884	2.20E-08	2.14E-07	4.51E-07	2.45E-08	2.01E-07	4.71E-07	2.28E-08	2.08E-07	4.66E-07	2.25E-08	2.03E-07	4.65E-07	2.20E-08	1.92E-07	4.05E-07
9,885	2.17E-08	2.14E-07	4.51E-07	2.44E-08	2.00E-07	4.70E-07	2.28E-08	2.06E-07	4.66E-07	2.24E-08	2.02E-07	4.62E-07	2.20E-08	1.91E-07	4.05E-07
9,886	2.14E-08	2.14E-07	4.49E-07	2.44E-08	1.99E-07	4.70E-07	2.27E-08	2.05E-07	4.66E-07	2.24E-08	1.99E-07	4.62E-07	2.19E-08	1.90E-07	4.03E-07
9,887	2.13E-08	2.14E-07	4.48E-07	2.44E-08	1.99E-07	4.67E-07	2.26E-08	2.05E-07	4.60E-07	2.24E-08	1.99E-07	4.61E-07	2.19E-08	1.89E-07	4.03E-07
9,888	2.12E-08	2.14E-07	4.45E-07	2.43E-08	1.98E-07	4.67E-07	2.24E-08	2.04E-07	4.60E-07	2.23E-08	1.99E-07	4.60E-07	2.17E-08	1.89E-07	4.02E-07
9,889	2.12E-08	2.13E-07	4.45E-07	2.41E-08	1.98E-07	4.66E-07	2.23E-08	2.04E-07	4.60E-07	2.22E-08	1.99E-07	4.58E-07	2.16E-08	1.88E-07	4.01E-07
9,890	2.12E-08	2.13E-07	4.44E-07	2.41E-08	1.96E-07	4.65E-07	2.22E-08	2.04E-07	4.58E-07	2.21E-08	1.97E-07	4.57E-07	2.16E-08	1.88E-07	4.01E-07
9,891	2.11E-08	2.13E-07	4.43E-07	2.39E-08	1.96E-07	4.65E-07	2.19E-08	2.02E-07	4.54E-07	2.21E-08	1.97E-07	4.56E-07	2.15E-08	1.88E-07	4.00E-07
9,892	2.10E-08	2.12E-07	4.43E-07	2.38E-08	1.95E-07	4.62E-07	2.17E-08	2.02E-07	4.53E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,898	2.09E-08	2.10E-07	4.32E-07	2.34E-08	1.90E-07	4.49E-07	2.12E-08	1.96E-07	4.48E-07	2.17E-08	1.91E-07	4.46E-07	2.09E-08	1.83E-07	3.80E-07
9,899	2.09E-08	2.10E-07	4.31E-07	2.33E-08	1.88E-07	4.42E-07	2.12E-08	1.96E-07	4.47E-07	2.13E-08	1.90E-07	4.43E-07	2.07E-08	1.83E-07	3.79E-07
9,900	2.09E-08	2.09E-07	4.28E-07	2.32E-08	1.87E-07	4.40E-07	2.11E-08	1.95E-07	4.46E-07	2.13E-08	1.87E-07	4.43E-07	2.05E-08	1.82E-07	3.77E-07
9,901	2.06E-08	2.08E-07	4.24E-07	2.31E-08	1.85E-07	4.37E-07	2.11E-08	1.94E-07	4.44E-07	2.10E-08	1.86E-07	4.41E-07	2.03E-08	1.82E-07	3.76E-07
9,902	2.05E-08	2.08E-07	4.24E-07	2.31E-08	1.84E-07	4.35E-07	2.10E-08	1.94E-07	4.44E-07	2.10E-08	1.83E-07	4.41E-07	2.02E-08	1.82E-07	3.75E-07
9,903	2.05E-08	2.08E-07	4.24E-07	2.30E-08	1.84E-07	4.34E-07	2.10E-08	1.94E-07	4.41E-07	2.10E-08	1.83E-07	4.41E-07	1.99E-08	1.81E-07	3.74E-07
9,904	2.03E-08	2.08E-07	4.23E-07	2.28E-08	1.84E-07	4.33E-07	2.10E-08	1.94E-07	4.39E-07	2.10E-08	1.82E-07	4.39E-07	1.98E-08	1.81E-07	3.67E-07
9,905	2.02E-08	2.07E-07	4.22E-07	2.28E-08	1.83E-07	4.31E-07	2.09E-08	1.93E-07	4.39E-07	2.09E-08	1.81E-07	4.38E-07	1.98E-08	1.80E-07	3.65E-07
9,906	2.02E-08	2.07E-07	4.22E-07	2.28E-08	1.83E-07	4.27E-07	2.09E-08	1.93E-07	4.38E-07	2.08E-08	1.81E-07	4.37E-07	1.95E-08	1.79E-07	3.63E-07
9,907	2.00E-08	2.07E-07	4.18E-07	2.27E-08	1.82E-07	4.24E-07	2.08E-08	1.92E-07	4.36E-07	2.08E-08	1.80E-07	4.35E-07	1.93E-08	1.78E-07	3.62E-07
9,908	2.00E-08	2.06E-07	4.17E-07	2.27E-08	1.82E-07	4.23E-07	2.08E-08	1.92E-07	4.36E-07	2.07E-08	1.79E-07	4.30E-07	1.93E-08	1.78E-07	3.60E-07
9,909	1.99E-08	2.06E-07	4.16E-07	2.27E-08	1.81E-07	4.22E-07	2.07E-08	1.92E-07	4.35E-07	2.05E-08	1.79E-07	4.27E-07	1.92E-08	1.77E-07	3.59E-07
9,910	1.99E-08	2.04E-07	4.14E-07	2.26E-08	1.80E-07	4.22E-07	2.06E-08	1.91E-07	4.33E-07	2.05E-08	1.79E-07	4.23E-07	1.92E-08	1.76E-07	3.58E-07
9,911	1.99E-08	2.04E-07	4.13E-07	2.26E-08	1.80E-07	4.16E-07	2.04E-08	1.91E-07	4.33E-07	2.05E-08	1.77E-07	4.23E-07	1.92E-08	1.76E-07	3.57E-07
9,912	1.97E-08	2.03E-07	4.09E-07	2.25E-08	1.79E-07	4.15E-07	2.03E-08	1.91E-07	4.30E-07	2.04E-08	1.77E-07	4.22E-07	1.91E-08	1.76E-07	3.56E-07
9,913	1.97E-08	2.02E-07	4.09E-07	2.23E-08	1.79E-07	4.11E-07	2.02E-08	1.90E-07	4.29E-07	2.04E-08	1.76E-07	4.22E-07	1.89E-08	1.74E-07	3.52E-07
9,914	1.96E-08	2.02E-07	4.08E-07	2.22E-08	1.79E-07	4.10E-07	2.01E-08	1.88E-07	4.28E-07	2.04E-08	1.74E-07	4.21E-07	1.89E-08	1.73E-07	3.50E-07
9,915	1.96E-08	2.01E-07	4.07E-07	2.21E-08	1.78E-07	4.10E-07	1.99E-08	1.87E-07	4.24E-07	1.97E-08	1.74E-07	4.11E-07	1.88E-08	1.72E-07	3.50E-07
9,916	1.96E-08	2.00E-07	4.07E-07	2.19E-08	1.76E-07	4.09E-07	1.99E-08	1.85E-07	4.22E-07	1.95E-08	1.72E-07	4.10E-07	1.86E-08	1.72E-07	3.48E-07
9,917	1.96E-08	2.00E-07	4.06E-07	2.19E-08	1.76E-07	4.07E-07	1.96E-08	1.85E-07	4.21E-07	1.94E-08	1.72E-07	4.07E-07	1.85E-08	1.70E-07	3.46E-07
9,918	1.96E-08	2.00E-07	4.05E-07	2.17E-08	1.76E-07	4.07E-07	1.94E-08	1.85E-07	4.17E-07	1.94E-08	1.72E-07	4.04E-07	1.84E-08	1.70E-07	3.45E-07
9,919	1.94E-08	1.99E-07	4.05E-07	2.16E-08	1.74E-07	4.06E-07	1.93E-08	1.84E-07	4.16E-07	1.94E-08	1.72E-07	4.03E-07	1.83E-08	1.67E-07	3.39E-07
9,920	1.92E-08	1.99E-07	4.02E-07	2.15E-08	1.74E-07	4.05E-07	1.92E-08	1.82E-07	4.15E-07	1.92E-08	1.71E-07	4.00E-07	1.83E-08	1.66E-07	3.37E-07
9,921	1.91E-08	1.99E-07	4.00E-07	2.15E-08	1.74E-07	4.03E-07	1.92E-08	1.80E-07	4.10E-07	1.90E-08	1.68E-07	3.98E-07	1.81E-08	1.66E-07	3.37E-07
9,922	1.91E-08	1.97E-07	4.00E-07	2.13E-08	1.74E-07	4.02E-07	1.92E-08	1.79E-07	4.09E-07	1.86E-08	1.67E-07	3.95E-07	1.80E-08	1.66E-07	3.36E-07
9,923	1.91E-08	1.97E-07	3.99E-07	2.10E-08	1.73E-07	4.01E-07	1.91E-08	1.79E-07	4.09E-07	1.86E-08	1.66E-07	3.92E-07	1.78E-08	1.65E-07	3.36E-07
9,924	1.90E-08	1.97E-07	3.97E-07	2.09E-08	1.69E-07	3.99E-07	1.89E-08	1.78E-07	4.04E-07	1.85E-08	1.65E-07	3.91E-07	1.78E-08	1.65E-07	3.35E-07
9,925	1.90E-08	1.96E-07	3.97E-07	2.07E-08	1.68E-07	3.94E-07	1.89E-08	1.78E-07	4.03E-07	1.84E-08	1.64E-07	3.89E-07	1.77E-08	1.65E-07	3.35E-07
9,926	1.90E-08	1.94E-07	3.97E-07	2.02E-08	1.67E-07	3.92E-07	1.89E-08	1.77E-07	3.95E-07	1.83E-08	1.64E-07	3.89E-07	1.76E-08	1.64E-07	3.34E-07
9,927	1.90E-08	1.93E-07	3.95E-07	2.02E-08	1.66E-07	3.89E-07	1.88E-08	1.76E-07	3.94E-07	1.83E-08	1.64E-07	3.89E-07	1.75E-08	1.63E-07	3.33E-07
9,928	1.89E-08	1.92E-07	3.94E-07	2.00E-08	1.65E-07	3.82E-07	1.85E-08	1.76E-07	3.94E-07	1.80E-08	1.64E-07	3.85E-07	1.75E-08	1.62E-07	3.32E-07
9,929	1.88E-08	1.91E-07	3.91E-07	1.99E-08	1.64E-07	3.80E-07	1.82E-08	1.74E-07	3.94E-07	1.79E-08	1.63E-07	3.83E-07	1.74E-08	1.61E-07	3.30E-07
9,930	1.85E-08	1.91E-07	3.91E-07	1.99E-08	1.61E-07	3.79E-07	1.82E-08	1.73E-07	3.89E-07	1.77E-08	1.63E-07	3.80E-07	1.73E-08	1.61E-07	3.30E-07
9,931	1.85E-08	1.91E-07	3.89E-07	1.98E-08	1.60E-07	3.78E-07	1.82E-08	1.72E-07	3.88E-07	1.75E-08	1.63E-07	3.74E-07	1.72E-08	1.59E-07	3.29E-07
9,932	1.80E-08	1.91E-07	3.86E-07	1.96E-08	1.59E-07	3.76E-07	1.81E-08	1.70E-07	3.88E-07	1.74E-08	1.62E-07	3.72E-07	1.71E-08	1.58E-07	3.27E-07
9,933	1.79E-08	1.89E-07	3.85E-07	1.93E-08	1.58E-07	3.75E-07	1.80E-08	1.70E-07	3.85E-07	1.74E-08	1.61E-07	3.70E-07	1.70E-08	1.57E-07	3.24E-07
9,934	1.78E-08	1.89E-07	3.79E-07	1.91E-08	1.58E-07	3.73E-07	1.80E-08	1.70E-07	3.79E-07	1.74E-08	1.61E-07	3.70E-07	1.70E-08	1.55E-07	3.23E-07
9,935	1.78E-08	1.89E-07	3.74E-07	1.91E-08	1.56E-07	3.71E-07	1.80E-08	1.67E-07	3.78E-07	1.73E-08	1.61E-07	3.69E-07	1.67E-08	1.55E-07	3.23E-07
9,936	1.78E-08	1.88E-07	3.74E-07	1.89E-08	1.55E-07	3.70E-07	1.79E-08	1.65E-07	3.75E-07	1.71E-08	1.60E-07	3.64E-07	1.67E-08	1.52E-07	3.22E-07
9,937	1.77E-08	1.86E-07	3.72E-07	1.87E-08	1.55E-07	3.68E-07	1.77E-08	1.65E-07	3.73E-07	1.68E-08	1.60E-07	3.64E-07	1.67E-08	1.51E-07	3.21E-07
9,938	1.77E-08	1.83E-07	3.71E-07	1.83E-08	1.55E-07	3.68E-07	1.73E-08	1.65E-07	3.69E-07	1.66E-08	1.59E-07	3.62E-07	1.65E-08	1.50E-07	3.18E-07
9,939	1.77E-08	1.82E-07	3.70E-07	1.82E-08	1.51E-07	3.68E-07	1.72E-08	1.64E-07	3.51E-07	1.65E-08	1.59E-07	3.62E-07	1.64E-08	1.49E-07	3.18E-07
9,940	1.75E-08	1.80E-07	3.66E-07	1.82E-08	1.50E-07	3.66E-07	1.72E-08	1.64E-07	3.51E-07	1.64E-08	1.57E-07	3.61E-07	1.64E-08	1.49E-07	3.15E-07
9,941	1.75E-08	1.79E-07	3.65E-07	1.81E-08	1.50E-07	3.63E-07	1.71E-08	1.63E-07	3.47E-07	1.64E-08	1.57E-07	3.60E-07	1.63E-08	1.48E-07	3.15E-07
9,942	1.75E-08	1.77E-07	3.64E-07	1.80E-08	1.49E-07	3.60E-07	1.71E-08	1.58E-07	3.43E-07	1.63E-08	1.57E-07	3.54E-07	1.61E-08	1.48E-07	3.13E-07
9,943	1.74E-08	1.77E-07	3.62E-07	1.78E-08	1.49E-07	3.59E-07	1.70E-08	1.58E-07	3.43E-07	1.63E-08	1.56E-07	3.53E-07	1.60E-08	1.48E-07	3.08E-07
9,944	1.74E-08	1.76E-07	3.61E-07	1.75E-08	1.47E-07	3.55E-07	1.70E-08	1.58E-07	3.37E-07	1.62E-08	1.55E-07	3.53E-07	1.59E-08	1.48E-07	3.08E-07
9,945	1.73E-08	1.74E-07	3.60E-07	1.75E-08	1.45E-07	3.52E-07	1.69E-08	1.57E-07	3.36E-07	1.62E-08	1.54E-07	3.52E-07	1.57E-08	1.45E-07	3.04E-07
9,946	1.72E-08	1.73E-07	3.60E-07	1.73E-08	1.43E-07	3.50E-07	1.67E-08	1.57E-07	3.33E-07	1.61E-08	1.53E-07	3.48E-07	1.57E-08	1.45E-07	3.04E-07
9,947	1.72E-08	1.73E-07	3.56E-07	1.67E-08	1.42E-07	3.45E-07	1.66E-08	1.56E-07	3.30E-07	1.59E-08	1.52E-07	3.47E-07	1.56E-08	1.45E-07	3.03E-07
9,948	1.71E-08	1.72E-07	3.56E-07	1.66E-08	1.42E-07	3.42E-07	1.65E-08	1.56E-07	3.21E-07	1.59E-08	1.51E-07	3.41E-07	1.54E-08	1.42E-07	3.01E-07
9,949	1.69E-08	1.72E-07	3.55E-07	1.64E-08	1.42E-07	3.42E-07	1.64E-08	1.53E-07	3.20E-07	1.58E-08	1.50E-07	3.40E-07	1.53E-08	1.40E-07	3.01E-07
9,950	1.68E-08	1.72E-07	3.54E-07	1.64E-08	1.41E-07	3.42E-07	1.62E-08	1.51E-07	3.15E-07	1.56E-08	1.50E-07	3.36E-07	1.53E-08	1.37E-07	2.98E-07
9,951	1.65E-08	1.71E-07	3.51E-07	1.63E-08	1.41E-07	3.40E-07	1.59E-08	1.51E-07	3.13E-07	1.55E-08	1.49E-07	3.35E-07	1.53E-08	1.36E-07	2.97E-07
9,952	1.65E-08	1.70E-07	3.49E-07	1.62E-08	1.40E-07	3.38E-07	1.58E-08	1.48E-07	3.11E-07	1.54E-08	1.49E-07	3.30E-07	1.51E-08	1.36E-07	2.96E-07
9,953	1.64E-08	1.70E-07	3.44E-07	1.60E-08	1.40E-07	3.37E-07	1.55E-08	1.46E-07	3.09E-07	1.54E-08	1.48E-07	3.29E-07	1.47E-08	1.36E-07	2.95E-07
9,954	1.64E-08	1.69E-07	3.44E-07	1.59E-08	1.39E-07	3.33E-07	1.54E-08	1.44E-07	3.07E-07						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Air Deposition Study Area Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 6B			CMA 7A			CMA 7B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,960	1.55E-08	1.64E-07	3.17E-07	1.53E-08	1.34E-07	3.22E-07	1.47E-08	1.34E-07	3.01E-07	1.47E-08	1.33E-07	2.91E-07	1.41E-08	1.28E-07	2.73E-07
9,961	1.52E-08	1.64E-07	3.13E-07	1.53E-08	1.30E-07	3.21E-07	1.46E-08	1.33E-07	3.00E-07	1.45E-08	1.33E-07	2.83E-07	1.38E-08	1.23E-07	2.68E-07
9,962	1.52E-08	1.64E-07	3.13E-07	1.51E-08	1.30E-07	3.18E-07	1.45E-08	1.33E-07	2.99E-07	1.41E-08	1.32E-07	2.82E-07	1.29E-08	1.23E-07	2.68E-07
9,963	1.50E-08	1.63E-07	3.07E-07	1.51E-08	1.28E-07	3.12E-07	1.44E-08	1.30E-07	2.91E-07	1.41E-08	1.32E-07	2.82E-07	1.25E-08	1.22E-07	2.67E-07
9,964	1.47E-08	1.61E-07	3.01E-07	1.49E-08	1.25E-07	3.10E-07	1.44E-08	1.29E-07	2.87E-07	1.40E-08	1.31E-07	2.79E-07	1.24E-08	1.22E-07	2.66E-07
9,965	1.47E-08	1.61E-07	3.01E-07	1.48E-08	1.24E-07	3.10E-07	1.43E-08	1.27E-07	2.85E-07	1.35E-08	1.26E-07	2.75E-07	1.24E-08	1.20E-07	2.66E-07
9,966	1.47E-08	1.59E-07	2.95E-07	1.47E-08	1.24E-07	3.03E-07	1.39E-08	1.27E-07	2.79E-07	1.34E-08	1.26E-07	2.75E-07	1.23E-08	1.20E-07	2.63E-07
9,967	1.45E-08	1.56E-07	2.94E-07	1.46E-08	1.23E-07	2.99E-07	1.38E-08	1.27E-07	2.73E-07	1.34E-08	1.26E-07	2.73E-07	1.23E-08	1.19E-07	2.61E-07
9,968	1.44E-08	1.55E-07	2.93E-07	1.41E-08	1.22E-07	2.98E-07	1.36E-08	1.25E-07	2.71E-07	1.33E-08	1.21E-07	2.72E-07	1.22E-08	1.13E-07	2.59E-07
9,969	1.42E-08	1.55E-07	2.86E-07	1.40E-08	1.22E-07	2.91E-07	1.36E-08	1.25E-07	2.71E-07	1.30E-08	1.20E-07	2.71E-07	1.19E-08	1.13E-07	2.57E-07
9,970	1.42E-08	1.46E-07	2.86E-07	1.40E-08	1.18E-07	2.87E-07	1.34E-08	1.25E-07	2.68E-07	1.29E-08	1.19E-07	2.62E-07	1.19E-08	1.12E-07	2.56E-07
9,971	1.41E-08	1.45E-07	2.84E-07	1.39E-08	1.16E-07	2.83E-07	1.33E-08	1.24E-07	2.64E-07	1.29E-08	1.18E-07	2.62E-07	1.17E-08	1.09E-07	2.55E-07
9,972	1.41E-08	1.42E-07	2.84E-07	1.36E-08	1.14E-07	2.81E-07	1.31E-08	1.22E-07	2.53E-07	1.27E-08	1.17E-07	2.62E-07	1.16E-08	1.07E-07	2.54E-07
9,973	1.40E-08	1.40E-07	2.79E-07	1.34E-08	1.14E-07	2.80E-07	1.28E-08	1.21E-07	2.51E-07	1.27E-08	1.16E-07	2.61E-07	1.15E-08	1.06E-07	2.48E-07
9,974	1.37E-08	1.37E-07	2.78E-07	1.33E-08	1.13E-07	2.77E-07	1.27E-08	1.21E-07	2.51E-07	1.25E-08	1.14E-07	2.58E-07	1.09E-08	1.04E-07	2.43E-07
9,975	1.33E-08	1.37E-07	2.76E-07	1.32E-08	1.13E-07	2.76E-07	1.24E-08	1.17E-07	2.49E-07	1.23E-08	1.13E-07	2.55E-07	1.09E-08	1.03E-07	2.42E-07
9,976	1.29E-08	1.36E-07	2.75E-07	1.31E-08	1.12E-07	2.72E-07	1.24E-08	1.12E-07	2.44E-07	1.21E-08	1.11E-07	2.47E-07	1.08E-08	1.02E-07	2.36E-07
9,977	1.28E-08	1.36E-07	2.74E-07	1.30E-08	1.11E-07	2.67E-07	1.23E-08	1.12E-07	2.41E-07	1.20E-08	1.11E-07	2.44E-07	1.07E-08	9.84E-08	2.35E-07
9,978	1.27E-08	1.34E-07	2.64E-07	1.24E-08	1.11E-07	2.67E-07	1.23E-08	1.11E-07	2.40E-07	1.18E-08	1.10E-07	2.44E-07	1.05E-08	9.69E-08	2.31E-07
9,979	1.27E-08	1.32E-07	2.63E-07	1.21E-08	1.11E-07	2.64E-07	1.18E-08	1.11E-07	2.32E-07	1.16E-08	1.09E-07	2.37E-07	1.04E-08	9.60E-08	2.23E-07
9,980	1.25E-08	1.28E-07	2.62E-07	1.20E-08	1.10E-07	2.63E-07	1.16E-08	1.06E-07	2.29E-07	1.15E-08	1.02E-07	2.29E-07	1.02E-08	9.48E-08	2.22E-07
9,981	1.24E-08	1.27E-07	2.60E-07	1.20E-08	1.10E-07	2.62E-07	1.12E-08	1.01E-07	2.27E-07	1.15E-08	1.01E-07	2.26E-07	1.02E-08	9.03E-08	2.20E-07
9,982	1.22E-08	1.26E-07	2.59E-07	1.17E-08	1.09E-07	2.56E-07	1.12E-08	9.85E-08	2.27E-07	1.13E-08	1.00E-07	2.25E-07	1.01E-08	9.01E-08	2.20E-07
9,983	1.22E-08	1.23E-07	2.58E-07	1.15E-08	1.06E-07	2.56E-07	9.62E-09	9.81E-08	2.25E-07	1.12E-08	9.12E-08	2.23E-07	1.01E-08	8.96E-08	2.18E-07
9,984	1.20E-08	1.22E-07	2.50E-07	1.11E-08	1.05E-07	2.55E-07	9.60E-09	9.37E-08	2.22E-07	1.07E-08	8.87E-08	2.20E-07	1.01E-08	8.85E-08	2.17E-07
9,985	1.15E-08	1.19E-07	2.42E-07	1.07E-08	1.03E-07	2.48E-07	9.52E-09	8.93E-08	2.18E-07	1.07E-08	8.81E-08	2.20E-07	9.83E-09	8.75E-08	2.16E-07
9,986	1.14E-08	1.17E-07	2.37E-07	1.00E-08	1.03E-07	2.48E-07	8.59E-09	8.92E-08	2.17E-07	1.05E-08	8.72E-08	2.16E-07	9.68E-09	8.72E-08	2.10E-07
9,987	1.14E-08	1.15E-07	2.35E-07	1.00E-08	1.01E-07	2.45E-07	8.45E-09	8.22E-08	2.08E-07	1.04E-08	8.67E-08	2.09E-07	9.35E-09	8.72E-08	2.10E-07
9,988	1.10E-08	1.15E-07	2.33E-07	9.99E-09	9.89E-08	2.45E-07	8.45E-09	7.23E-08	2.06E-07	1.03E-08	8.61E-08	2.05E-07	9.04E-09	8.62E-08	2.01E-07
9,989	1.06E-08	1.08E-07	2.33E-07	9.99E-09	9.86E-08	2.32E-07	8.25E-09	7.05E-08	1.92E-07	9.70E-09	8.57E-08	2.04E-07	8.98E-09	8.55E-08	1.99E-07
9,990	1.05E-08	1.04E-07	2.30E-07	9.92E-09	9.09E-08	2.19E-07	8.16E-09	6.92E-08	1.87E-07	9.03E-09	8.57E-08	1.99E-07	8.36E-09	8.41E-08	1.96E-07
9,991	1.04E-08	9.70E-08	2.26E-07	9.89E-09	9.06E-08	2.14E-07	8.13E-09	6.48E-08	1.82E-07	8.93E-09	8.53E-08	1.98E-07	8.14E-09	8.24E-08	1.95E-07
9,992	1.01E-08	9.06E-08	2.26E-07	8.63E-09	8.99E-08	2.06E-07	7.93E-09	6.38E-08	1.78E-07	8.82E-09	8.13E-08	1.93E-07	8.04E-09	8.12E-08	1.85E-07
9,993	1.01E-08	8.62E-08	2.17E-07	7.14E-09	8.98E-08	1.92E-07	7.60E-09	6.26E-08	1.78E-07	8.34E-09	7.77E-08	1.90E-07	7.34E-09	7.79E-08	1.77E-07
9,994	9.99E-09	8.52E-08	2.04E-07	7.03E-09	7.75E-08	1.86E-07	7.06E-09	6.06E-08	1.76E-07	8.33E-09	7.64E-08	1.89E-07	7.17E-09	6.62E-08	1.68E-07
9,995	8.64E-09	8.51E-08	1.95E-07	6.88E-09	7.67E-08	1.83E-07	6.92E-09	6.03E-08	1.72E-07	8.27E-09	7.64E-08	1.82E-07	7.14E-09	6.37E-08	1.66E-07
9,996	8.62E-09	8.06E-08	1.68E-07	6.73E-09	7.65E-08	1.60E-07	6.77E-09	5.60E-08	1.61E-07	7.97E-09	7.27E-08	1.81E-07	6.94E-09	6.29E-08	1.61E-07
9,997	7.89E-09	7.95E-08	1.61E-07	6.10E-09	7.11E-08	1.47E-07	5.57E-09	5.55E-08	1.50E-07	7.18E-09	7.16E-08	1.75E-07	6.07E-09	6.10E-08	1.22E-07
9,998	7.73E-09	7.92E-08	1.48E-07	5.55E-09	5.77E-08	1.43E-07	5.48E-09	5.34E-08	1.31E-07	5.93E-09	6.40E-08	1.45E-07	6.04E-09	5.53E-08	9.61E-08
9,999	7.61E-09	7.27E-08	1.38E-07	5.48E-09	5.57E-08	1.35E-07	5.14E-09	5.15E-08	1.25E-07	5.55E-09	5.57E-08	1.25E-07	4.49E-09	4.82E-08	8.41E-08
10,000	7.27E-09	4.47E-08	6.10E-08	3.48E-09	3.62E-08	1.13E-07	4.27E-09	4.58E-08	6.23E-08	4.96E-09	2.89E-08	9.62E-08	3.92E-09	4.80E-08	6.38E-08

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
Statistics																					
Trials	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Mean	1.26E-06	1.15E-05	2.06E-05	1.17E-06	1.08E-05	1.93E-05	4.52E-07	4.18E-06	7.47E-06	4.88E-07	4.54E-06	8.07E-06	5.76E-07	5.12E-06	9.40E-06	6.05E-07	5.48E-06	9.93E-06	4.93E-07	4.48E-06	8.07E-06
Median	6.06E-07	5.04E-06	1.03E-05	5.32E-07	4.45E-06	8.79E-06	2.30E-07	1.91E-06	3.87E-06	2.57E-07	2.15E-06	4.34E-06	2.97E-07	2.48E-06	5.08E-06	3.16E-07	2.62E-06	5.41E-06	2.49E-07	2.12E-06	4.21E-06
Mode	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Standard Deviation	2.00E-06	1.98E-05	3.15E-05	2.06E-06	2.15E-05	3.51E-05	7.40E-07	7.62E-06	1.16E-05	7.39E-07	7.63E-06	1.17E-05	8.76E-07	8.60E-06	1.39E-05	8.99E-07	9.26E-06	1.45E-05	8.02E-07	7.67E-06	1.24E-05
Variance	4.02E-12	3.92E-10	9.90E-10	4.25E-12	4.63E-10	1.23E-09	5.48E-13	5.81E-11	1.34E-10	5.47E-13	5.82E-11	1.38E-10	7.68E-13	7.39E-11	1.93E-10	8.09E-13	8.58E-11	2.09E-10	6.44E-13	5.88E-11	1.53E-10
Skewness	5.50	5.44	4.85	9.09	8.76	11.24	6.48	7.84	5.37	5.30	5.71	4.78	5.18	6.01	5.06	5.36	7.31	5.24	7.39	6.71	5.59
Kurtosis	57.98	50.69	41.57	210.58	159.12	333.01	78.68	119.70	49.21	51.93	56.03	38.61	46.83	62.30	45.19	55.20	112.19	51.22	117.11	85.83	55.09
Coeff. of Variability	1.60	1.72	1.53	1.77	1.99	1.82	1.64	1.82	1.55	1.52	1.68	1.45	1.52	1.68	1.48	1.49	1.69	1.46	1.63	1.71	1.53
Minimum	4.95E-09	9.34E-08	1.71E-07	5.88E-09	7.38E-08	1.08E-07	3.61E-09	5.06E-08	4.42E-08	1.10E-09	3.68E-08	6.32E-08	4.47E-09	5.70E-08	1.18E-07	4.30E-09	3.48E-08	1.01E-07	4.08E-09	4.73E-08	7.69E-08
Maximum	4.22E-05	3.70E-04	5.25E-04	7.56E-05	6.81E-04	1.48E-03	1.71E-05	2.09E-04	2.09E-04	1.35E-05	1.49E-04	1.86E-04	1.46E-05	1.60E-04	2.48E-04	1.77E-05	2.44E-04	2.56E-04	2.25E-05	1.81E-04	2.22E-04
Range Width	4.22E-05	3.70E-04	5.25E-04	7.56E-05	6.81E-04	1.48E-03	1.71E-05	2.09E-04	2.09E-04	1.35E-05	1.49E-04	1.86E-04	1.46E-05	1.60E-04	2.48E-04	1.77E-05	2.44E-04	2.55E-04	2.25E-05	1.81E-04	2.22E-04
Mean Std. Error	2.00E-08	1.98E-07	3.15E-07	2.06E-08	2.15E-07	3.51E-07	7.40E-09	7.62E-08	1.16E-07	7.39E-09	7.63E-08	1.17E-07	8.76E-09	8.60E-08	1.39E-07	8.99E-09	9.26E-08	1.45E-07	8.02E-09	7.67E-08	1.24E-07
Percentiles																					
50%	6.06E-07	5.04E-06	1.03E-05	5.32E-07	4.45E-06	8.79E-06	2.30E-07	1.91E-06	3.87E-06	2.57E-07	2.15E-06	4.34E-06	2.97E-07	2.48E-06	5.08E-06	3.16E-07	2.62E-06	5.41E-06	2.49E-07	2.12E-06	4.21E-06
75%	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.94E-07	4.40E-06	8.33E-06	5.47E-07	4.90E-06	9.15E-06	6.60E-07	5.61E-06	1.07E-05	7.06E-07	6.03E-06	1.15E-05	5.44E-07	4.84E-06	9.00E-06
90%	2.91E-06	2.74E-05	4.81E-05	2.79E-06	2.55E-05	4.49E-05	1.02E-06	9.58E-06	1.66E-05	1.12E-06	1.03E-05	1.85E-05	1.34E-06	1.17E-05	2.11E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.02E-05	1.85E-05
95%	4.52E-06	4.29E-05	7.27E-05	4.35E-06	4.14E-05	7.05E-05	1.55E-06	1.52E-05	2.58E-05	1.70E-06	1.64E-05	2.73E-05	2.00E-06	1.83E-05	3.24E-05	2.14E-06	1.98E-05	3.35E-05	1.73E-06	1.62E-05	2.77E-05
99%	9.74E-06	9.60E-05	1.57E-04	9.26E-06	9.90E-05	1.54E-04	3.58E-06	3.49E-05	5.71E-05	3.58E-06	3.72E-05	5.84E-05	4.16E-06	4.10E-05	6.76E-05	4.16E-06	4.30E-05	6.95E-05	3.64E-06	3.70E-05	5.93E-05
Trial values																					
1	4.22E-05	3.70E-04	5.25E-04	7.56E-05	6.81E-04	1.48E-03	1.71E-05	2.09E-04	2.09E-04	1.35E-05	1.49E-04	1.86E-04	1.46E-05	1.60E-04	2.48E-04	1.77E-05	2.44E-04	2.56E-04	2.25E-05	1.81E-04	2.22E-04
2	3.72E-05	3.18E-04	4.58E-04	3.69E-05	4.93E-04	5.67E-04	1.44E-05	1.46E-04	1.75E-04	1.30E-05	1.23E-04	1.49E-04	1.33E-05	1.40E-04	2.09E-04	1.51E-05	2.24E-04	2.51E-04	1.81E-05	1.50E-04	1.97E-04
3	2.73E-05	2.70E-04	4.48E-04	3.26E-05	3.07E-04	4.94E-04	1.17E-05	1.43E-04	1.56E-04	1.17E-05	1.07E-04	1.45E-04	1.27E-05	1.34E-04	1.78E-04	1.41E-05	1.52E-04	2.45E-04	1.32E-05	1.39E-04	1.84E-04
4	2.70E-05	2.48E-04	4.16E-04	2.91E-05	2.98E-04	4.65E-04	1.02E-05	1.43E-04	1.52E-04	1.10E-05	1.00E-04	1.40E-04	1.23E-05	1.29E-04	1.76E-04	1.36E-05	1.47E-04	2.24E-04	1.29E-05	1.30E-04	1.81E-04
5	2.60E-05	2.43E-04	3.98E-04	2.82E-05	2.86E-04	4.38E-04	1.01E-05	1.27E-04	1.46E-04	9.84E-06	9.57E-05	1.36E-04	1.14E-05	1.25E-04	1.72E-04	1.22E-05	1.29E-04	1.57E-04	1.12E-05	9.92E-05	1.78E-04
6	2.26E-05	2.42E-04	3.93E-04	2.55E-05	2.75E-04	4.33E-04	9.94E-06	9.53E-05	1.43E-04	8.91E-06	9.49E-05	1.36E-04	1.12E-05	1.24E-04	1.72E-04	1.20E-05	1.20E-04	1.56E-04	1.01E-05	9.72E-05	1.75E-04
7	2.25E-05	2.29E-04	3.69E-04	2.54E-05	2.64E-04	4.29E-04	9.36E-06	9.24E-05	1.43E-04	8.44E-06	9.40E-05	1.36E-04	9.88E-06	1.19E-04	1.72E-04	1.11E-05	1.11E-04	1.53E-04	9.75E-06	9.02E-05	1.54E-04
8	2.20E-05	2.27E-04	3.56E-04	2.50E-05	2.63E-04	4.04E-04	9.36E-06	8.92E-05	1.43E-04	8.36E-06	9.38E-05	1.31E-04	9.71E-06	1.15E-04	1.63E-04	1.09E-05	1.06E-04	1.52E-04	9.73E-06	8.71E-05	1.50E-04
9	2.06E-05	2.15E-04	3.35E-04	2.24E-05	2.56E-04	3.95E-04	9.09E-06	8.86E-05	1.37E-04	7.91E-06	8.72E-05	1.31E-04	9.39E-06	1.04E-04	1.52E-04	9.41E-06	1.03E-04	1.49E-04	9.45E-06	8.43E-05	1.49E-04
10	2.05E-05	2.11E-04	3.35E-04	2.17E-05	2.54E-04	3.69E-04	8.87E-06	8.56E-05	1.31E-04	7.49E-06	8.64E-05	1.30E-04	9.21E-06	9.62E-05	1.51E-04	9.23E-06	9.82E-05	1.47E-04	9.13E-06	8.09E-05	1.48E-04
11	2.02E-05	2.10E-04	3.18E-04	1.94E-05	2.46E-04	3.46E-04	8.56E-06	8.47E-05	1.26E-04	7.46E-06	8.54E-05	1.30E-04	9.17E-06	9.45E-05	1.51E-04	8.98E-06	9.24E-05	1.47E-04	8.92E-06	7.89E-05	1.39E-04
12	2.02E-05	2.09E-04	3.12E-04	1.86E-05	2.42E-04	3.25E-04	8.55E-06	8.23E-05	1.20E-04	7.43E-06	7.86E-05	1.28E-04	9.09E-06	9.37E-05	1.49E-04	8.57E-06	9.12E-05	1.47E-04	7.64E-06	7.84E-05	1.32E-04
13	1.98E-05	2.06E-04	3.10E-04	1.76E-05	2.32E-04	3.13E-04	7.34E-06	7.82E-05	1.14E-04	7.38E-06	7.68E-05	1.21E-04	9.07E-06	9.30E-05	1.48E-04	8.49E-06	8.72E-05	1.44E-04	7.41E-06	7.78E-05	1.30E-04
14	1.95E-05	1.94E-04E																			

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
40	1.35E-05	1.39E-04	2.15E-04	1.32E-05	1.43E-04	2.31E-04	5.07E-06	5.08E-05	8.47E-05	4.92E-06	5.46E-05	8.64E-05	6.04E-06	5.76E-05	9.45E-05	6.03E-06	6.14E-05	9.82E-05	5.27E-06	5.27E-05	8.48E-05
41	1.35E-05	1.39E-04	2.15E-04	1.32E-05	1.42E-04	2.29E-04	5.05E-06	5.06E-05	8.24E-05	4.90E-06	5.44E-05	8.35E-05	6.02E-06	5.74E-05	9.37E-05	6.00E-06	6.10E-05	9.76E-05	5.24E-06	5.24E-05	8.42E-05
42	1.34E-05	1.38E-04	2.10E-04	1.31E-05	1.41E-04	2.29E-04	5.04E-06	4.99E-05	8.23E-05	4.86E-06	5.27E-05	8.30E-05	5.98E-06	5.74E-05	9.30E-05	5.98E-06	5.99E-05	9.54E-05	5.22E-06	5.22E-05	8.41E-05
43	1.34E-05	1.37E-04	2.09E-04	1.28E-05	1.39E-04	2.28E-04	4.96E-06	4.87E-05	8.11E-05	4.80E-06	5.19E-05	8.29E-05	5.95E-06	5.68E-05	9.24E-05	5.97E-06	5.95E-05	9.45E-05	5.20E-06	5.21E-05	8.34E-05
44	1.32E-05	1.37E-04	2.09E-04	1.27E-05	1.39E-04	2.28E-04	4.86E-06	4.82E-05	7.98E-05	4.79E-06	5.18E-05	8.00E-05	5.91E-06	5.64E-05	9.23E-05	5.93E-06	5.91E-05	9.29E-05	5.08E-06	5.18E-05	8.19E-05
45	1.31E-05	1.35E-04	2.06E-04	1.26E-05	1.37E-04	2.28E-04	4.80E-06	4.78E-05	7.82E-05	4.74E-06	5.17E-05	7.92E-05	5.90E-06	5.63E-05	9.18E-05	5.91E-06	5.87E-05	9.23E-05	5.07E-06	5.17E-05	8.18E-05
46	1.29E-05	1.34E-04	2.05E-04	1.25E-05	1.36E-04	2.27E-04	4.77E-06	4.77E-05	7.77E-05	4.74E-06	5.15E-05	7.90E-05	5.82E-06	5.62E-05	9.11E-05	5.90E-06	5.80E-05	9.12E-05	5.04E-06	5.12E-05	8.09E-05
47	1.27E-05	1.34E-04	2.03E-04	1.25E-05	1.35E-04	2.24E-04	4.77E-06	4.77E-05	7.72E-05	4.71E-06	5.13E-05	7.86E-05	5.72E-06	5.58E-05	9.09E-05	5.83E-06	5.71E-05	9.10E-05	4.99E-06	5.10E-05	8.08E-05
48	1.26E-05	1.34E-04	2.00E-04	1.24E-05	1.34E-04	2.21E-04	4.74E-06	4.75E-05	7.69E-05	4.70E-06	5.09E-05	7.84E-05	5.71E-06	5.52E-05	9.08E-05	5.75E-06	5.69E-05	9.06E-05	4.82E-06	4.95E-05	7.92E-05
49	1.26E-05	1.33E-04	1.99E-04	1.23E-05	1.34E-04	2.18E-04	4.69E-06	4.69E-05	7.67E-05	4.69E-06	5.04E-05	7.83E-05	5.69E-06	5.44E-05	9.04E-05	5.72E-06	5.66E-05	8.96E-05	4.81E-06	4.95E-05	7.90E-05
50	1.25E-05	1.32E-04	1.99E-04	1.22E-05	1.33E-04	2.15E-04	4.68E-06	4.61E-05	7.65E-05	4.69E-06	5.04E-05	7.81E-05	5.68E-06	5.42E-05	8.99E-05	5.72E-06	5.64E-05	8.95E-05	4.75E-06	4.94E-05	7.89E-05
51	1.24E-05	1.32E-04	1.98E-04	1.20E-05	1.31E-04	2.12E-04	4.66E-06	4.56E-05	7.64E-05	4.67E-06	5.03E-05	7.72E-05	5.66E-06	5.39E-05	8.97E-05	5.68E-06	5.61E-05	8.79E-05	4.73E-06	4.90E-05	7.88E-05
52	1.24E-05	1.30E-04	1.96E-04	1.20E-05	1.30E-04	2.07E-04	4.64E-06	4.55E-05	7.61E-05	4.65E-06	5.03E-05	7.68E-05	5.59E-06	5.35E-05	8.92E-05	5.65E-06	5.58E-05	8.72E-05	4.69E-06	4.87E-05	7.88E-05
53	1.22E-05	1.29E-04	1.94E-04	1.19E-05	1.29E-04	2.03E-04	4.60E-06	4.51E-05	7.47E-05	4.62E-06	4.83E-05	7.61E-05	5.58E-06	5.32E-05	8.90E-05	5.62E-06	5.55E-05	8.62E-05	4.62E-06	4.81E-05	7.85E-05
54	1.22E-05	1.29E-04	1.93E-04	1.18E-05	1.29E-04	2.02E-04	4.59E-06	4.51E-05	7.46E-05	4.57E-06	4.82E-05	7.59E-05	5.55E-06	5.14E-05	8.82E-05	5.42E-06	5.43E-05	8.62E-05	4.59E-06	4.75E-05	7.84E-05
55	1.21E-05	1.29E-04	1.93E-04	1.18E-05	1.28E-04	2.01E-04	4.57E-06	4.49E-05	7.41E-05	4.54E-06	4.79E-05	7.53E-05	5.50E-06	5.13E-05	8.78E-05	5.40E-06	5.41E-05	8.62E-05	4.58E-06	4.73E-05	7.81E-05
56	1.21E-05	1.26E-04	1.92E-04	1.18E-05	1.27E-04	2.01E-04	4.51E-06	4.49E-05	7.38E-05	4.53E-06	4.78E-05	7.53E-05	5.50E-06	5.12E-05	8.76E-05	5.40E-06	5.35E-05	8.57E-05	4.54E-06	4.65E-05	7.78E-05
57	1.20E-05	1.25E-04	1.91E-04	1.17E-05	1.27E-04	2.00E-04	4.49E-06	4.49E-05	7.26E-05	4.50E-06	4.73E-05	7.50E-05	5.36E-06	5.10E-05	8.68E-05	5.34E-06	5.34E-05	8.52E-05	4.54E-06	4.64E-05	7.53E-05
58	1.18E-05	1.25E-04	1.90E-04	1.17E-05	1.27E-04	1.98E-04	4.48E-06	4.49E-05	7.10E-05	4.49E-06	4.66E-05	7.43E-05	5.35E-06	5.10E-05	8.65E-05	5.32E-06	5.31E-05	8.49E-05	4.51E-06	4.57E-05	7.47E-05
59	1.16E-05	1.25E-04	1.89E-04	1.13E-05	1.27E-04	1.98E-04	4.45E-06	4.47E-05	7.02E-05	4.46E-06	4.65E-05	7.40E-05	5.32E-06	5.06E-05	8.55E-05	5.32E-06	5.28E-05	8.35E-05	4.50E-06	4.56E-05	7.20E-05
60	1.14E-05	1.25E-04	1.86E-04	1.13E-05	1.25E-04	1.97E-04	4.44E-06	4.45E-05	7.01E-05	4.45E-06	4.58E-05	7.33E-05	5.28E-06	5.05E-05	8.45E-05	5.30E-06	5.25E-05	8.28E-05	4.49E-06	4.54E-05	7.18E-05
61	1.14E-05	1.23E-04	1.85E-04	1.12E-05	1.25E-04	1.92E-04	4.44E-06	4.43E-05	7.00E-05	4.45E-06	4.53E-05	7.30E-05	5.17E-06	5.04E-05	8.41E-05	5.22E-06	5.25E-05	8.25E-05	4.47E-06	4.54E-05	7.11E-05
62	1.13E-05	1.23E-04	1.82E-04	1.11E-05	1.25E-04	1.90E-04	4.41E-06	4.43E-05	6.90E-05	4.41E-06	4.52E-05	7.17E-05	5.11E-06	5.00E-05	8.38E-05	5.16E-06	5.24E-05	8.19E-05	4.46E-06	4.52E-05	7.09E-05
63	1.12E-05	1.22E-04	1.81E-04	1.11E-05	1.24E-04	1.90E-04	4.34E-06	4.42E-05	6.90E-05	4.35E-06	4.42E-05	7.15E-05	5.00E-06	4.98E-05	8.18E-05	5.11E-06	5.17E-05	8.19E-05	4.39E-06	4.51E-05	7.07E-05
64	1.12E-05	1.22E-04	1.80E-04	1.10E-05	1.24E-04	1.90E-04	4.33E-06	4.38E-05	6.89E-05	4.31E-06	4.42E-05	7.11E-05	4.96E-06	4.98E-05	8.12E-05	5.01E-06	5.15E-05	8.12E-05	4.37E-06	4.47E-05	6.91E-05
65	1.11E-05	1.21E-04	1.79E-04	1.10E-05	1.23E-04	1.89E-04	4.33E-06	4.35E-05	6.86E-05	4.25E-06	4.41E-05	7.08E-05	4.94E-06	4.94E-05	8.11E-05	5.00E-06	5.15E-05	8.02E-05	4.36E-06	4.42E-05	6.87E-05
66	1.11E-05	1.21E-04	1.79E-04	1.10E-05	1.21E-04	1.86E-04	4.33E-06	4.34E-05	6.84E-05	4.23E-06	4.39E-05	7.02E-05	4.93E-06	4.93E-05	8.10E-05	4.97E-06	5.05E-05	8.02E-05	4.35E-06	4.36E-05	6.86E-05
67	1.11E-05	1.21E-04	1.79E-04	1.09E-05	1.21E-04	1.86E-04	4.27E-06	4.33E-05	6.83E-05	4.22E-06	4.33E-05	6.91E-05	4.92E-06	4.92E-05	8.06E-05						

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
102	9.66E-06	9.44E-05	1.57E-04	9.23E-06	9.89E-05	1.53E-04	3.57E-06	3.46E-05	5.70E-05	3.54E-06	3.71E-05	5.83E-05	4.16E-06	4.10E-05	6.74E-05	4.15E-06	4.28E-05	6.94E-05	3.64E-06	3.67E-05	5.91E-05
103	9.62E-06	9.38E-05	1.56E-04	9.19E-06	9.87E-05	1.53E-04	3.57E-06	3.44E-05	5.66E-05	3.54E-06	3.69E-05	5.83E-05	4.13E-06	4.08E-05	6.69E-05	4.15E-06	4.26E-05	6.92E-05	3.60E-06	3.67E-05	5.90E-05
104	9.58E-06	9.37E-05	1.56E-04	9.18E-06	9.85E-05	1.52E-04	3.54E-06	3.42E-05	5.65E-05	3.53E-06	3.69E-05	5.83E-05	4.10E-06	4.04E-05	6.68E-05	4.10E-06	4.24E-05	6.86E-05	3.58E-06	3.60E-05	5.89E-05
105	9.57E-06	9.34E-05	1.56E-04	9.13E-06	9.78E-05	1.52E-04	3.52E-06	3.41E-05	5.62E-05	3.52E-06	3.66E-05	5.79E-05	4.08E-06	4.00E-05	6.63E-05	4.08E-06	4.23E-05	6.84E-05	3.58E-06	3.56E-05	5.89E-05
106	9.56E-06	9.32E-05	1.55E-04	9.11E-06	9.72E-05	1.51E-04	3.49E-06	3.40E-05	5.60E-05	3.52E-06	3.62E-05	5.79E-05	4.08E-06	3.99E-05	6.58E-05	4.08E-06	4.23E-05	6.82E-05	3.57E-06	3.54E-05	5.84E-05
107	9.51E-06	9.29E-05	1.54E-04	9.06E-06	9.63E-05	1.50E-04	3.46E-06	3.39E-05	5.59E-05	3.51E-06	3.61E-05	5.73E-05	4.04E-06	3.99E-05	6.57E-05	4.08E-06	4.21E-05	6.82E-05	3.56E-06	3.53E-05	5.82E-05
108	9.50E-06	9.28E-05	1.52E-04	9.06E-06	9.59E-05	1.50E-04	3.46E-06	3.38E-05	5.57E-05	3.50E-06	3.58E-05	5.71E-05	4.03E-06	3.99E-05	6.55E-05	4.08E-06	4.20E-05	6.77E-05	3.56E-06	3.52E-05	5.79E-05
109	9.49E-06	9.23E-05	1.52E-04	9.06E-06	9.45E-05	1.49E-04	3.41E-06	3.38E-05	5.54E-05	3.48E-06	3.53E-05	5.67E-05	4.03E-06	3.98E-05	6.54E-05	4.06E-06	4.19E-05	6.77E-05	3.54E-06	3.44E-05	5.78E-05
110	9.43E-06	9.23E-05	1.52E-04	9.05E-06	9.43E-05	1.49E-04	3.40E-06	3.37E-05	5.51E-05	3.46E-06	3.49E-05	5.63E-05	4.02E-06	3.96E-05	6.49E-05	4.06E-06	4.19E-05	6.76E-05	3.54E-06	3.42E-05	5.77E-05
111	9.42E-06	9.21E-05	1.51E-04	9.01E-06	9.26E-05	1.49E-04	3.40E-06	3.35E-05	5.47E-05	3.46E-06	3.49E-05	5.59E-05	4.00E-06	3.96E-05	6.48E-05	4.04E-06	4.19E-05	6.76E-05	3.53E-06	3.41E-05	5.76E-05
112	9.41E-06	9.17E-05	1.51E-04	8.95E-06	9.26E-05	1.48E-04	3.40E-06	3.34E-05	5.47E-05	3.45E-06	3.47E-05	5.58E-05	3.99E-06	3.95E-05	6.46E-05	4.03E-06	4.17E-05	6.75E-05	3.50E-06	3.40E-05	5.75E-05
113	9.39E-06	9.12E-05	1.51E-04	8.92E-06	9.18E-05	1.48E-04	3.39E-06	3.33E-05	5.42E-05	3.45E-06	3.47E-05	5.58E-05	3.93E-06	3.93E-05	6.45E-05	4.03E-06	4.16E-05	6.72E-05	3.48E-06	3.39E-05	5.74E-05
114	9.36E-06	9.07E-05	1.51E-04	8.88E-06	9.14E-05	1.47E-04	3.35E-06	3.32E-05	5.41E-05	3.43E-06	3.46E-05	5.56E-05	3.92E-06	3.91E-05	6.41E-05	4.02E-06	4.15E-05	6.71E-05	3.48E-06	3.36E-05	5.71E-05
115	9.23E-06	9.01E-05	1.51E-04	8.88E-06	9.08E-05	1.45E-04	3.34E-06	3.31E-05	5.41E-05	3.41E-06	3.43E-05	5.53E-05	3.92E-06	3.89E-05	6.39E-05	4.01E-06	4.14E-05	6.67E-05	3.47E-06	3.34E-05	5.71E-05
116	9.15E-06	8.98E-05	1.50E-04	8.83E-06	9.06E-05	1.45E-04	3.33E-06	3.30E-05	5.40E-05	3.40E-06	3.43E-05	5.51E-05	3.90E-06	3.88E-05	6.31E-05	4.01E-06	4.11E-05	6.61E-05	3.47E-06	3.32E-05	5.71E-05
117	9.12E-06	8.94E-05	1.49E-04	8.78E-06	9.03E-05	1.44E-04	3.33E-06	3.27E-05	5.39E-05	3.38E-06	3.43E-05	5.51E-05	3.88E-06	3.87E-05	6.27E-05	4.01E-06	4.08E-05	6.60E-05	3.46E-06	3.29E-05	5.68E-05
118	9.09E-06	8.83E-05	1.49E-04	8.73E-06	8.96E-05	1.43E-04	3.33E-06	3.27E-05	5.34E-05	3.37E-06	3.42E-05	5.51E-05	3.87E-06	3.85E-05	6.26E-05	4.00E-06	4.07E-05	6.56E-05	3.46E-06	3.25E-05	5.66E-05
119	9.03E-06	8.80E-05	1.48E-04	8.71E-06	8.94E-05	1.43E-04	3.31E-06	3.26E-05	5.34E-05	3.35E-06	3.41E-05	5.51E-05	3.86E-06	3.83E-05	6.23E-05	4.00E-06	4.06E-05	6.48E-05	3.46E-06	3.24E-05	5.65E-05
120	9.02E-06	8.79E-05	1.48E-04	8.68E-06	8.94E-05	1.42E-04	3.29E-06	3.26E-05	5.34E-05	3.35E-06	3.41E-05	5.49E-05	3.86E-06	3.82E-05	6.22E-05	3.99E-06	4.03E-05	6.41E-05	3.46E-06	3.24E-05	5.63E-05
121	8.97E-06	8.79E-05	1.47E-04	8.64E-06	8.91E-05	1.41E-04	3.28E-06	3.25E-05	5.32E-05	3.34E-06	3.40E-05	5.42E-05	3.85E-06	3.81E-05	6.22E-05	3.99E-06	4.02E-05	6.41E-05	3.45E-06	3.24E-05	5.58E-05
122	8.95E-06	8.79E-05	1.47E-04	8.63E-06	8.80E-05	1.41E-04	3.28E-06	3.24E-05	5.31E-05	3.34E-06	3.38E-05	5.39E-05	3.85E-06	3.81E-05	6.17E-05	3.99E-06	4.02E-05	6.38E-05	3.44E-06	3.23E-05	5.52E-05
123	8.95E-06	8.76E-05	1.47E-04	8.62E-06	8.70E-05	1.41E-04	3.27E-06	3.23E-05	5.26E-05	3.33E-06	3.37E-05	5.37E-05	3.84E-06	3.79E-05	6.15E-05	3.99E-06	4.00E-05	6.37E-05	3.44E-06	3.22E-05	5.51E-05
124	8.92E-06	8.76E-05	1.47E-04	8.60E-06	8.66E-05	1.41E-04	3.21E-06	3.21E-05	5.25E-05	3.32E-06	3.36E-05	5.35E-05	3.83E-06	3.78E-05	6.15E-05	3.95E-06	3.98E-05	6.27E-05	3.44E-06	3.22E-05	5.50E-05
125	8.89E-06	8.73E-05	1.46E-04	8.56E-06	8.62E-05	1.41E-04	3.21E-06	3.18E-05	5.24E-05	3.31E-06	3.36E-05	5.33E-05	3.82E-06	3.78E-05	6.13E-05	3.92E-06	3.98E-05	6.26E-05	3.43E-06	3.21E-05	5.49E-05
126	8.85E-06	8.62E-05	1.46E-04	8.55E-06	8.53E-05	1.40E-04	3.20E-06	3.18E-05	5.23E-05	3.30E-06	3.35E-05	5.31E-05	3.82E-06	3.76E-05	6.13E-05	3.91E-06	3.98E-05	6.23E-05	3.42E-06	3.20E-05	5.48E-05
127	8.83E-06	8.62E-05	1.46E-04	8.51E-06	8.50E-05	1.39E-04	3.19E-06	3.17E-05	5.23E-05	3.28E-06	3.35E-05	5.31E-05	3.81E-06	3.76E-05	6.11E-05	3.91E-06	3.97E-05	6.23E-05	3.40E-06	3.20E-05	5.45E-05
128	8.82E-06	8.60E-05	1.46E-04	8.50E-06	8.50E-05	1.39E-04	3.17E-06	3.16E-05	5.20E-05	3.27E-06	3.34E-05	5.31E-05	3.80E-06	3.76E-05	6.11E-05	3.90E-06	3.97E-05	6.22E-05	3.39E-06	3.19E-05	5.45E-05
129	8.79E-06	8.57E-05	1.45E-04	8.48E-06	8.33E-05	1.39E-04	3.16E-06	3.14E-05	5.15E-05	3.25E-06	3.33E-05	5.28E-05	3.80E-06	3.75E-05	6.09E-05	3.89E-06	3.93E-05	6.22E-05	3.37E-06	3.17E-05	5.41E-05
130	8.74E-06	8.55E-05	1.44E-04	8.47E-06	8.31E-05	1.38E-04	3.15E-06	3.10E-05	5.15E-05	3.23E-06	3.31E-05	5.25E-05	3.79E-06	3.71E-05	6.09E-05	3.89E-06	3.89E-05	6.22E-05	3.36E-06	3.17E-05	5.38E-05
131	8.73E-06	8.49E-05	1.43E-04	8.37E-06	8.29E-05	1.38E-04	3.15E-06	3.10E-05	5.14E-05	3.22E-06	3.30E-05	5.20E-05	3.79E-06	3.68E-05	6.07E-05	3.88E-06	3.86E-05	6.16E-05	3.33E-06	3.17E-05	5.34E-05
132	8.72E-06	8.42E-05	1.41E-04	8.35E-06	8.28E-05	1.38E-04	3.14E-06	3.08E-05	5.12E-05	3.21E-06	3.30E-05	5.19E-05	3.78E-06	3.68E-05	6.07E-05	3.88E-06	3.86E-05	6.15E-05	3.32E-06	3.14E-05	5.31E-05
133	8.70E-06	8.39E-05	1.41E-04	8.35E-06	8.20E-05	1.37E-04	3.12E-06	3.08E-05	5.12E-05	3.20E-06	3.28E-05	5.18E-05	3.75E-06	3.67E-05	6.06E-05	3.87E-06	3.85E-05	6.13E-05	3.32E-06	3.13E-05	5.29E-05
134	8.64E-06	8.39E-05	1.40E-04	8.35E-06	8.18E-05	1.37E-04	3.09E-06	3.06E-05	5.10E-05	3.19E-06	3.28E-05	5.18E-05	3.74E-06	3.67E-05	6.05E-05	3.87E-06	3.85E-05	6.11E-05	3.32E-06	3.12E-05	5.28E-05
135	8.64E-06	8.38E-05	1.40E-04	8.34E-06	8.11E-05	1.36E-04	3.08E-06	3.05E-05	5.08E-05	3.17E-06	3.26E-05	5.15E-05	3.65E-06	3.66E-05	5.99E-05	3.86E-06	3.84E-05	6.11E-05	3.32E-06	3.10E-05	5.27E-05
136	8.62E-06	8.31E-05	1.39E-04	8.33E-06	8.11E-05	1.36E-04	3.07E-06	3.05E-05	5.07E-05	3.17E-06	3.19E-05	5.13E-05	3.62E-06	3.62E-05	5.93E-05	3.86E-06	3.79E-05	6.10E-05	3.32E-06	3.09E-05	5.26E-05
137	8.61E-06	8.28E-05	1.38E-04	8.29E-06	8.09E-05	1.36E-04	3.06E-06	3.04E-05	5.07E-05	3.17E-06	3.19E-05	5.12E-05	3.61E-06	3.62E-05	5.88E-05	3.85E-06	3.78E-05	6.06E-05	3.32E-06	3.07E-05	5.20E-05
138	8.59E-06	8.26E-05	1.38E-04	8.26E-06	8.09E-05	1.35E-04	3.05E-06	3.03E-05	5.06E-05	3.14E-06	3.18E-05	5.11E-05	3.60E-06	3.61E-05	5.88E-05	3.83E-06	3.78E-05	6.05E-05	3.31E-06	3.06E-05	5.17E-05
139	8.57E-06	8.25E-05	1.38E-04	8.21E-06	8.08E-05	1.35E-04	3.03E-06	3.02E-05	4.99E-05	3.13E-06	3.16E-05	5.10E-05	3.59E-06	3.60E-05	5.87E-05	3.82E-06	3.78E-05	6.04E-05	3.31E-06	3.05E-05	5.15E-05
140	8.54E-06	8.24E-05	1.38E-04	8.21E-06	8.08E-05	1.35E-04	3.01E-06	3.01E-05	4.97E-05	3.12E-06	3.15E-05	5.10E-05	3.59E-06	3.56E-05	5.87E-05	3.81E-06	3.78E-05	6.03E-05	3.30E-06	3.04E-05	5.12E-05
141	8.53E-06	8.14E-05	1.37E-04	8.18E-06	7.85E-05	1.34E-04	3.00E-06	3.00E-05	4.93E-05	3.12E-06	3.14E-05	5.09E-05	3.59E-06	3.53E-05	5.87E-05	3.80E-06	3.77E-05	6.03E-05	3.30E-06	3.04E-05	5.11E-05
142	8.53E-06	8.14E-05	1.37E-04	8.17E-06	7.82E-05	1.34E-04	3.00E-06	2.99E-05	4.90E-05	3.10E-06	3.13E-05	5.09E-05	3.55E-06	3.48E-05	5.87E-05	3.78E-06	3.75E-05	6.02E-05	3.29E-06	3.02E-05	5.10E-

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
164	8.01E-06	7.68E-05	1.29E-04	7.71E-06	7.32E-05	1.28E-04	2.84E-06	2.78E-05	4.58E-05	2.92E-06	2.98E-05	4.66E-05	3.36E-06	3.29E-05	5.52E-05	3.51E-06	3.52E-05	5.82E-05	3.08E-06	2.85E-05	4.78E-05
165	8.00E-06	7.68E-05	1.29E-04	7.69E-06	7.31E-05	1.28E-04	2.82E-06	2.77E-05	4.56E-05	2.92E-06	2.98E-05	4.66E-05	3.35E-06	3.27E-05	5.51E-05	3.51E-06	3.47E-05	5.79E-05	3.08E-06	2.83E-05	4.75E-05
166	7.93E-06	7.66E-05	1.28E-04	7.68E-06	7.29E-05	1.27E-04	2.80E-06	2.77E-05	4.55E-05	2.91E-06	2.96E-05	4.59E-05	3.35E-06	3.27E-05	5.50E-05	3.51E-06	3.46E-05	5.77E-05	3.08E-06	2.83E-05	4.74E-05
167	7.92E-06	7.66E-05	1.26E-04	7.68E-06	7.28E-05	1.27E-04	2.80E-06	2.76E-05	4.49E-05	2.91E-06	2.93E-05	4.57E-05	3.35E-06	3.27E-05	5.49E-05	3.49E-06	3.46E-05	5.76E-05	3.07E-06	2.82E-05	4.69E-05
168	7.92E-06	7.64E-05	1.26E-04	7.67E-06	7.27E-05	1.27E-04	2.80E-06	2.74E-05	4.49E-05	2.90E-06	2.93E-05	4.55E-05	3.34E-06	3.26E-05	5.47E-05	3.48E-06	3.46E-05	5.71E-05	3.04E-06	2.81E-05	4.65E-05
169	7.91E-06	7.64E-05	1.26E-04	7.66E-06	7.27E-05	1.27E-04	2.79E-06	2.74E-05	4.49E-05	2.90E-06	2.92E-05	4.53E-05	3.33E-06	3.26E-05	5.46E-05	3.48E-06	3.43E-05	5.70E-05	3.03E-06	2.81E-05	4.65E-05
170	7.89E-06	7.63E-05	1.26E-04	7.66E-06	7.27E-05	1.27E-04	2.77E-06	2.74E-05	4.49E-05	2.89E-06	2.92E-05	4.53E-05	3.33E-06	3.25E-05	5.44E-05	3.48E-06	3.42E-05	5.68E-05	3.03E-06	2.81E-05	4.64E-05
171	7.88E-06	7.62E-05	1.26E-04	7.60E-06	7.25E-05	1.27E-04	2.77E-06	2.72E-05	4.47E-05	2.88E-06	2.92E-05	4.52E-05	3.32E-06	3.24E-05	5.43E-05	3.47E-06	3.42E-05	5.68E-05	3.03E-06	2.81E-05	4.63E-05
172	7.87E-06	7.61E-05	1.26E-04	7.56E-06	7.23E-05	1.27E-04	2.76E-06	2.72E-05	4.47E-05	2.87E-06	2.92E-05	4.51E-05	3.31E-06	3.24E-05	5.42E-05	3.46E-06	3.41E-05	5.68E-05	3.02E-06	2.80E-05	4.63E-05
173	7.86E-06	7.58E-05	1.25E-04	7.53E-06	7.22E-05	1.27E-04	2.76E-06	2.72E-05	4.45E-05	2.86E-06	2.92E-05	4.51E-05	3.30E-06	3.19E-05	5.41E-05	3.45E-06	3.41E-05	5.66E-05	3.02E-06	2.80E-05	4.62E-05
174	7.84E-06	7.56E-05	1.25E-04	7.51E-06	7.22E-05	1.26E-04	2.76E-06	2.72E-05	4.45E-05	2.84E-06	2.91E-05	4.49E-05	3.29E-06	3.16E-05	5.38E-05	3.45E-06	3.40E-05	5.66E-05	3.01E-06	2.79E-05	4.61E-05
175	7.83E-06	7.52E-05	1.25E-04	7.46E-06	7.22E-05	1.26E-04	2.74E-06	2.71E-05	4.45E-05	2.83E-06	2.91E-05	4.48E-05	3.28E-06	3.15E-05	5.38E-05	3.44E-06	3.39E-05	5.64E-05	3.01E-06	2.79E-05	4.61E-05
176	7.80E-06	7.51E-05	1.24E-04	7.45E-06	7.20E-05	1.26E-04	2.72E-06	2.69E-05	4.44E-05	2.83E-06	2.91E-05	4.46E-05	3.28E-06	3.15E-05	5.36E-05	3.44E-06	3.39E-05	5.63E-05	3.00E-06	2.78E-05	4.60E-05
177	7.80E-06	7.50E-05	1.23E-04	7.45E-06	7.20E-05	1.25E-04	2.71E-06	2.69E-05	4.43E-05	2.83E-06	2.91E-05	4.46E-05	3.27E-06	3.14E-05	5.32E-05	3.43E-06	3.39E-05	5.63E-05	2.98E-06	2.78E-05	4.59E-05
178	7.79E-06	7.44E-05	1.22E-04	7.44E-06	7.17E-05	1.23E-04	2.71E-06	2.68E-05	4.43E-05	2.83E-06	2.90E-05	4.45E-05	3.26E-06	3.13E-05	5.32E-05	3.42E-06	3.32E-05	5.62E-05	2.98E-06	2.77E-05	4.59E-05
179	7.76E-06	7.43E-05	1.22E-04	7.44E-06	7.14E-05	1.23E-04	2.70E-06	2.68E-05	4.43E-05	2.83E-06	2.89E-05	4.45E-05	3.25E-06	3.12E-05	5.28E-05	3.40E-06	3.32E-05	5.61E-05	2.97E-06	2.77E-05	4.59E-05
180	7.75E-06	7.42E-05	1.22E-04	7.44E-06	7.13E-05	1.22E-04	2.69E-06	2.67E-05	4.42E-05	2.82E-06	2.89E-05	4.44E-05	3.24E-06	3.11E-05	5.26E-05	3.40E-06	3.31E-05	5.58E-05	2.96E-06	2.77E-05	4.58E-05
181	7.75E-06	7.42E-05	1.21E-04	7.42E-06	7.12E-05	1.22E-04	2.68E-06	2.67E-05	4.40E-05	2.82E-06	2.88E-05	4.42E-05	3.23E-06	3.10E-05	5.24E-05	3.39E-06	3.31E-05	5.58E-05	2.96E-06	2.77E-05	4.57E-05
182	7.71E-06	7.39E-05	1.21E-04	7.42E-06	7.05E-05	1.21E-04	2.67E-06	2.65E-05	4.36E-05	2.81E-06	2.86E-05	4.42E-05	3.23E-06	3.10E-05	5.22E-05	3.39E-06	3.30E-05	5.55E-05	2.96E-06	2.76E-05	4.57E-05
183	7.71E-06	7.32E-05	1.21E-04	7.37E-06	7.01E-05	1.20E-04	2.67E-06	2.65E-05	4.35E-05	2.81E-06	2.86E-05	4.41E-05	3.22E-06	3.10E-05	5.19E-05	3.38E-06	3.30E-05	5.54E-05	2.96E-06	2.76E-05	4.56E-05
184	7.71E-06	7.29E-05	1.20E-04	7.35E-06	6.98E-05	1.20E-04	2.66E-06	2.64E-05	4.34E-05	2.81E-06	2.85E-05	4.41E-05	3.22E-06	3.09E-05	5.18E-05	3.38E-06	3.30E-05	5.51E-05	2.92E-06	2.75E-05	4.54E-05
185	7.70E-06	7.28E-05	1.19E-04	7.32E-06	6.97E-05	1.20E-04	2.66E-06	2.63E-05	4.33E-05	2.79E-06	2.84E-05	4.40E-05	3.21E-06	3.09E-05	5.17E-05	3.38E-06	3.29E-05	5.51E-05	2.91E-06	2.74E-05	4.54E-05
186	7.69E-06	7.27E-05	1.19E-04	7.31E-06	6.96E-05	1.19E-04	2.65E-06	2.62E-05	4.31E-05	2.79E-06	2.84E-05	4.39E-05	3.21E-06	3.08E-05	5.17E-05	3.37E-06	3.29E-05	5.50E-05	2.91E-06	2.74E-05	4.52E-05
187	7.69E-06	7.25E-05	1.19E-04	7.31E-06	6.95E-05	1.19E-04	2.65E-06	2.62E-05	4.31E-05	2.78E-06	2.83E-05	4.39E-05	3.20E-06	3.07E-05	5.16E-05	3.37E-06	3.29E-05	5.49E-05	2.89E-06	2.74E-05	4.49E-05
188	7.61E-06	7.23E-05	1.19E-04	7.30E-06	6.95E-05	1.18E-04	2.65E-06	2.62E-05	4.29E-05	2.78E-06	2.83E-05	4.38E-05	3.19E-06	3.06E-05	5.14E-05	3.37E-06	3.29E-05	5.49E-05	2.88E-06	2.73E-05	4.48E-05
189	7.55E-06	7.23E-05	1.19E-04	7.29E-06	6.94E-05	1.18E-04	2.62E-06	2.59E-05	4.27E-05	2.77E-06	2.82E-05	4.38E-05	3.18E-06	3.06E-05	5.13E-05	3.36E-06	3.28E-05	5.45E-05	2.85E-06	2.73E-05	4.47E-05
190	7.55E-06	7.22E-05	1.18E-04	7.24E-06	6.93E-05	1.18E-04	2.62E-06	2.57E-05	4.25E-05	2.77E-06	2.82E-05	4.36E-05	3.18E-06	3.05E-05	5.13E-05	3.35E-06	3.28E-05	5.43E-05	2.85E-06	2.72E-05	4.46E-05
191	7.54E-06	7.21E-05	1.18E-04	7.24E-06	6.93E-05	1.18E-04	2.61E-06	2.57E-05	4.24E-05	2.77E-06	2.81E-05	4.34E-05	3.18E-06	3.04E-05	5.13E-05	3.34E-06	3.26E-05	5.42E-05	2.83E-06	2.71E-05	4.46E-05
192	7.54E-06	7.21E-05	1.18E-04	7.22E-06	6.93E-05	1.18E-04	2.61E-06	2.57E-05	4.24E-05	2.77E-06	2.79E-05	4.33E-05	3.15E-06	3.04E-05	5.13E-05	3.33E-06	3.26E-05	5.41E-05	2.83E-06	2.69E-05	4.43E-05
193	7.50E-06	7.20E-05	1.18E-04	7.22E-06	6.88E-05	1.17E-04	2.61E-06	2.56E-05	4.22E-05	2.76E-06	2.77E-05	4.32E-05	3.14E-06	3.04E-05	5.09E-05	3.32E-06	3.25E-05	5.40E-05	2.82E-06	2.69E-05	4.42E-05
194	7.49E-06	7.14E-05	1.18E-04	7.19E-06	6.87E-05	1.16E-04	2.58E-06	2.55E-05	4.22E-05	2.76E-06	2.76E-05	4.32E-05	3.14E-06	3.02E-05	5.08E-05	3.31E-06	3.24E-05	5.39E-05	2.81E-06	2.68E-05	4.42E-05
195	7.46E-06	7.14E-05	1.18E-04	7.15E-06	6.84E-05	1.16E-04	2.58E-06	2.54E-05	4.21E-05	2.75E-06	2.76E-05	4.30E-05	3.14E-06	3.01E-05	5.07E-05	3.28E-06	3.24E-05	5.39E-05	2.80E-06	2.68E-05	4.42E-05
196	7.46E-06	7.11E-05	1.18E-04	7.13E-06	6.84E-05	1.16E-04	2.58E-06	2.53E-05	4.20E-05	2.75E-06	2.75E-05	4.30E-05	3.13E-06	2.98E-05	5.07E-05	3.26E-06	3.22E-05	5.39E-05	2.80E-06	2.67E-05	4.39E-05
197	7.45E-06	7.11E-05	1.18E-04	7.12E-06	6.82E-05	1.16E-04	2.58E-06	2.53E-05	4.20E-05	2.75E-06	2.75E-05	4.28E-05	3.13E-06	2.97E-05	5.06E-05	3.24E-06	3.21E-05	5.37E-05	2.79E-06	2.67E-05	4.38E-05
198	7.44E-06	7.07E-05	1.18E-04	7.12E-06	6.80E-05	1.15E-04	2.56E-06	2.53E-05	4.19E-05	2.74E-06	2.74E-05	4.26E-05	3.12E-06	2.96E-05	5.05E-05	3.23E-06	3.21E-05	5.37E-05	2.79E-06	2.66E-05	4.38E-05
199	7.40E-06	7.06E-05	1.18E-04	7.12E-06	6.74E-05	1.15E-04	2.56E-06	2.52E-05	4.19E-05	2.74E-06	2.74E-05	4.26E-05	3.12E-06	2.96E-05	5.05E-05	3.22E-06	3.21E-05	5.35E-05	2.79E-06	2.66E-05	4.37E-05
200	7.36E-06	7.05E-05	1.17E-04	7.11E-06	6.74E-05	1.15E-04	2.56E-06	2.52E-05	4.19E-05	2.73E-06	2.73E-05	4.25E-05	3.12E-06	2.96E-05	5.02E-05	3.22E-06	3.21E-05	5.34E-05	2.79E-06	2.65E-05	4.37E-05
201	7.35E-06	7.05E-05	1.17E-04	7.09E-06	6.71E-05	1.14E-04	2.55E-06	2.51E-05	4.17E-05	2.73E-06	2.72E-05	4.25E-05	3.10E-06	2.96E-05	5.02E-05	3.21E-06	3.21E-05	5.33E-05	2.78E-06	2.65E-05	4.36E-05
202	7.33E-06	7.01E-05	1.17E-04	7.09E-06	6.71E-05	1.14E-04	2.55E-06	2.51E-05	4.16E-05	2.72E-06	2.72E-05	4.24E-05	3.09E-06	2.96E-05	5.00E-05	3.18E-06	3.20E-05	5.33E-05	2.78E-06	2.65E-05	4.36E-05
203	7.27E-06	7.00E-05	1.17E-04	7.02E-06	6.70E-05	1.13E-04	2.55E-06	2.51E-05	4.15E-05	2.71E-06	2.71E-05	4.23E-05	3.07E-06	2.95E-05	4.99E-05	3.18E-06	3.18E-05	5.31E-05	2.77E-06	2.64E-05	4.36E-05
204	7.26E-06	6.98E-05	1.16E-04	6.98E-06	6.70E-05	1.13E-04	2.54E-06	2.50E-05	4.12E-05	2.70E-06	2.71E-05	4.20E-05	3.07E-06	2.95E-05	4.98E-05	3.17E-06	3.17E-05	5.30E-05	2.77E-06	2.64E-05	4.36E-

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
226	7.00E-06	6.57E-05	1.12E-04	6.59E-06	6.42E-05	1.07E-04	2.39E-06	2.39E-05	3.92E-05	2.58E-06	2.59E-05	4.04E-05	2.95E-06	2.84E-05	4.81E-05	3.05E-06	3.03E-05	5.07E-05	2.65E-06	2.49E-05	4.14E-05
227	6.97E-06	6.53E-05	1.12E-04	6.59E-06	6.41E-05	1.07E-04	2.38E-06	2.38E-05	3.90E-05	2.57E-06	2.59E-05	4.00E-05	2.94E-06	2.84E-05	4.81E-05	3.03E-06	3.01E-05	5.07E-05	2.64E-06	2.47E-05	4.14E-05
228	6.95E-06	6.52E-05	1.12E-04	6.56E-06	6.38E-05	1.07E-04	2.38E-06	2.38E-05	3.89E-05	2.56E-06	2.59E-05	4.00E-05	2.94E-06	2.83E-05	4.81E-05	3.02E-06	3.01E-05	5.05E-05	2.63E-06	2.47E-05	4.14E-05
229	6.94E-06	6.50E-05	1.12E-04	6.55E-06	6.38E-05	1.07E-04	2.38E-06	2.37E-05	3.89E-05	2.55E-06	2.58E-05	4.00E-05	2.93E-06	2.82E-05	4.79E-05	3.01E-06	3.00E-05	5.05E-05	2.63E-06	2.47E-05	4.14E-05
230	6.94E-06	6.50E-05	1.11E-04	6.54E-06	6.37E-05	1.07E-04	2.38E-06	2.37E-05	3.89E-05	2.55E-06	2.58E-05	3.99E-05	2.93E-06	2.82E-05	4.78E-05	3.01E-06	3.00E-05	5.03E-05	2.62E-06	2.46E-05	4.13E-05
231	6.93E-06	6.48E-05	1.11E-04	6.54E-06	6.35E-05	1.07E-04	2.37E-06	2.36E-05	3.87E-05	2.55E-06	2.58E-05	3.99E-05	2.92E-06	2.81E-05	4.77E-05	3.01E-06	3.00E-05	5.01E-05	2.61E-06	2.46E-05	4.13E-05
232	6.91E-06	6.48E-05	1.11E-04	6.54E-06	6.33E-05	1.07E-04	2.37E-06	2.35E-05	3.87E-05	2.55E-06	2.56E-05	3.99E-05	2.91E-06	2.79E-05	4.77E-05	3.01E-06	2.99E-05	5.01E-05	2.61E-06	2.44E-05	4.12E-05
233	6.90E-06	6.47E-05	1.11E-04	6.53E-06	6.33E-05	1.07E-04	2.37E-06	2.34E-05	3.86E-05	2.54E-06	2.55E-05	3.98E-05	2.91E-06	2.79E-05	4.77E-05	3.00E-06	2.99E-05	5.00E-05	2.61E-06	2.44E-05	4.12E-05
234	6.89E-06	6.46E-05	1.10E-04	6.51E-06	6.29E-05	1.06E-04	2.37E-06	2.34E-05	3.85E-05	2.53E-06	2.55E-05	3.98E-05	2.89E-06	2.78E-05	4.77E-05	3.00E-06	2.99E-05	5.00E-05	2.61E-06	2.43E-05	4.12E-05
235	6.88E-06	6.46E-05	1.10E-04	6.46E-06	6.25E-05	1.06E-04	2.36E-06	2.32E-05	3.85E-05	2.53E-06	2.55E-05	3.97E-05	2.89E-06	2.77E-05	4.77E-05	2.98E-06	2.97E-05	4.99E-05	2.61E-06	2.43E-05	4.11E-05
236	6.87E-06	6.46E-05	1.10E-04	6.41E-06	6.24E-05	1.06E-04	2.35E-06	2.32E-05	3.84E-05	2.53E-06	2.54E-05	3.97E-05	2.89E-06	2.77E-05	4.76E-05	2.98E-06	2.97E-05	4.98E-05	2.60E-06	2.42E-05	4.10E-05
237	6.87E-06	6.45E-05	1.10E-04	6.41E-06	6.24E-05	1.06E-04	2.35E-06	2.32E-05	3.83E-05	2.53E-06	2.54E-05	3.96E-05	2.88E-06	2.77E-05	4.75E-05	2.98E-06	2.97E-05	4.98E-05	2.59E-06	2.42E-05	4.08E-05
238	6.85E-06	6.43E-05	1.10E-04	6.39E-06	6.23E-05	1.06E-04	2.35E-06	2.31E-05	3.83E-05	2.53E-06	2.54E-05	3.95E-05	2.86E-06	2.76E-05	4.74E-05	2.98E-06	2.94E-05	4.96E-05	2.58E-06	2.40E-05	4.07E-05
239	6.85E-06	6.41E-05	1.10E-04	6.37E-06	6.22E-05	1.05E-04	2.35E-06	2.31E-05	3.82E-05	2.53E-06	2.53E-05	3.93E-05	2.86E-06	2.76E-05	4.74E-05	2.97E-06	2.94E-05	4.95E-05	2.58E-06	2.40E-05	4.06E-05
240	6.81E-06	6.41E-05	1.09E-04	6.33E-06	6.18E-05	1.05E-04	2.34E-06	2.29E-05	3.82E-05	2.52E-06	2.52E-05	3.93E-05	2.85E-06	2.75E-05	4.73E-05	2.97E-06	2.93E-05	4.94E-05	2.57E-06	2.40E-05	4.06E-05
241	6.80E-06	6.39E-05	1.09E-04	6.31E-06	6.18E-05	1.05E-04	2.34E-06	2.29E-05	3.82E-05	2.52E-06	2.52E-05	3.92E-05	2.84E-06	2.74E-05	4.72E-05	2.96E-06	2.93E-05	4.94E-05	2.56E-06	2.39E-05	4.06E-05
242	6.79E-06	6.37E-05	1.08E-04	6.29E-06	6.17E-05	1.05E-04	2.34E-06	2.28E-05	3.81E-05	2.52E-06	2.52E-05	3.92E-05	2.84E-06	2.73E-05	4.72E-05	2.95E-06	2.91E-05	4.93E-05	2.56E-06	2.38E-05	4.06E-05
243	6.79E-06	6.36E-05	1.08E-04	6.28E-06	6.14E-05	1.04E-04	2.34E-06	2.28E-05	3.80E-05	2.51E-06	2.51E-05	3.92E-05	2.83E-06	2.73E-05	4.72E-05	2.94E-06	2.89E-05	4.91E-05	2.55E-06	2.38E-05	4.05E-05
244	6.78E-06	6.34E-05	1.08E-04	6.24E-06	6.14E-05	1.04E-04	2.33E-06	2.27E-05	3.79E-05	2.50E-06	2.51E-05	3.91E-05	2.82E-06	2.73E-05	4.71E-05	2.94E-06	2.88E-05	4.91E-05	2.55E-06	2.37E-05	4.04E-05
245	6.77E-06	6.34E-05	1.08E-04	6.24E-06	6.13E-05	1.04E-04	2.32E-06	2.27E-05	3.75E-05	2.50E-06	2.51E-05	3.91E-05	2.82E-06	2.72E-05	4.68E-05	2.93E-06	2.88E-05	4.89E-05	2.55E-06	2.37E-05	4.04E-05
246	6.75E-06	6.33E-05	1.08E-04	6.24E-06	6.10E-05	1.04E-04	2.32E-06	2.26E-05	3.74E-05	2.50E-06	2.51E-05	3.90E-05	2.81E-06	2.72E-05	4.68E-05	2.93E-06	2.87E-05	4.89E-05	2.55E-06	2.36E-05	4.04E-05
247	6.73E-06	6.31E-05	1.08E-04	6.23E-06	6.10E-05	1.04E-04	2.32E-06	2.26E-05	3.73E-05	2.50E-06	2.51E-05	3.90E-05	2.80E-06	2.71E-05	4.68E-05	2.92E-06	2.87E-05	4.87E-05	2.55E-06	2.34E-05	4.02E-05
248	6.72E-06	6.31E-05	1.08E-04	6.23E-06	6.08E-05	1.03E-04	2.32E-06	2.26E-05	3.73E-05	2.49E-06	2.50E-05	3.89E-05	2.80E-06	2.71E-05	4.66E-05	2.91E-06	2.87E-05	4.86E-05	2.54E-06	2.34E-05	4.00E-05
249	6.72E-06	6.31E-05	1.08E-04	6.22E-06	6.05E-05	1.03E-04	2.31E-06	2.25E-05	3.72E-05	2.49E-06	2.49E-05	3.89E-05	2.80E-06	2.71E-05	4.63E-05	2.91E-06	2.87E-05	4.85E-05	2.53E-06	2.34E-05	3.98E-05
250	6.72E-06	6.30E-05	1.07E-04	6.17E-06	6.04E-05	1.03E-04	2.31E-06	2.25E-05	3.70E-05	2.48E-06	2.49E-05	3.88E-05	2.80E-06	2.71E-05	4.59E-05	2.91E-06	2.86E-05	4.85E-05	2.52E-06	2.33E-05	3.97E-05
251	6.71E-06	6.30E-05	1.07E-04	6.17E-06	6.02E-05	1.02E-04	2.30E-06	2.25E-05	3.70E-05	2.47E-06	2.47E-05	3.87E-05	2.80E-06	2.70E-05	4.59E-05	2.90E-06	2.85E-05	4.84E-05	2.51E-06	2.32E-05	3.96E-05
252	6.65E-06	6.30E-05	1.07E-04	6.14E-06	6.02E-05	1.02E-04	2.29E-06	2.24E-05	3.70E-05	2.45E-06	2.47E-05	3.85E-05	2.78E-06	2.70E-05	4.58E-05	2.90E-06	2.85E-05	4.84E-05	2.51E-06	2.31E-05	3.96E-05
253	6.62E-06	6.29E-05	1.07E-04	6.14E-06	6.02E-05	1.02E-04	2.28E-06	2.22E-05	3.69E-05	2.45E-06	2.46E-05	3.84E-05	2.77E-06	2.69E-05	4.58E-05	2.90E-06	2.85E-05	4.82E-05	2.51E-06	2.31E-05	3.96E-05
254	6.61E-06	6.28E-05	1.07E-04	6.14E-06	6.01E-05	1.01E-04	2.28E-06	2.22E-05	3.69E-05	2.44E-06	2.46E-05	3.84E-05	2.77E-06	2.69E-05	4.57E-05	2.90E-06	2.85E-05	4.81E-05	2.50E-06	2.31E-05	3.94E-05
255	6.59E-06	6.28E-05	1.06E-04	6.14E-06	5.97E-05	1.01E-04	2.27E-06	2.21E-05	3.69E-05	2.44E-06	2.46E-05	3.83E-05	2.77E-06	2.69E-05	4.57E-05	2.90E-06	2.83E-05	4.78E-05	2.50E-06	2.30E-05	3.94E-05
256	6.58E-06	6.26E-05	1.06E-04	6.09E-06	5.96E-05	1.01E-04	2.26E-06	2.21E-05	3.68E-05	2.44E-06	2.45E-05	3.83E-05	2.76E-06	2.69E-05	4.57E-05	2.90E-06	2.83E-05	4.78E-05	2.50E-06	2.30E-05	3.94E-05
257	6.58E-06	6.25E-05	1.06E-04	6.09E-06	5.93E-05	1.01E-04	2.26E-06	2.20E-05	3.68E-05	2.43E-06	2.44E-05	3.83E-05	2.76E-06	2.69E-05	4.56E-05	2.89E-06	2.80E-05	4.78E-05	2.50E-06	2.30E-05	3.94E-05
258	6.51E-06	6.25E-05	1.05E-04	6.08E-06	5.92E-05	1.01E-04	2.25E-06	2.20E-05	3.68E-05	2.43E-06	2.44E-05	3.82E-05	2.76E-06	2.69E-05	4.56E-05	2.88E-06	2.80E-05	4.77E-05	2.49E-06	2.29E-05	3.92E-05
259	6.51E-06	6.24E-05	1.05E-04	6.08E-06	5.90E-05	1.01E-04	2.24E-06	2.20E-05	3.67E-05	2.43E-06	2.43E-05	3.82E-05	2.76E-06	2.68E-05	4.56E-05	2.88E-06	2.80E-05	4.75E-05	2.49E-06	2.29E-05	3.92E-05
260	6.49E-06	6.20E-05	1.05E-04	6.07E-06	5.89E-05	1.00E-04	2.24E-06	2.19E-05	3.67E-05	2.42E-06	2.42E-05	3.80E-05	2.76E-06	2.67E-05	4.55E-05	2.87E-06	2.79E-05	4.74E-05	2.49E-06	2.29E-05	3.92E-05
261	6.48E-06	6.19E-05	1.04E-04	6.07E-06	5.87E-05	1.00E-04	2.24E-06	2.18E-05	3.67E-05	2.41E-06	2.40E-05	3.80E-05	2.76E-06	2.66E-05	4.53E-05	2.87E-06	2.79E-05	4.72E-05	2.48E-06	2.28E-05	3.91E-05
262	6.48E-06	6.19E-05	1.04E-04	6.07E-06	5.86E-05	9.99E-05	2.24E-06	2.18E-05	3.64E-05	2.40E-06	2.40E-05	3.80E-05	2.75E-06	2.66E-05	4.51E-05	2.87E-06	2.77E-05	4.72E-05	2.47E-06	2.27E-05	3.90E-05
263	6.45E-06	6.17E-05	1.04E-04	6.06E-06	5.85E-05	9.97E-05	2.24E-06	2.18E-05	3.62E-05	2.40E-06	2.40E-05	3.80E-05	2.74E-06	2.66E-05	4.51E-05	2.87E-06	2.77E-05	4.70E-05	2.47E-06	2.27E-05	3.90E-05
264	6.44E-06	6.17E-05	1.04E-04	6.06E-06	5.84E-05	9.96E-05	2.24E-06	2.18E-05	3.60E-05	2.40E-06	2.39E-05	3.80E-05	2.74E-06	2.66E-05	4.50E-05	2.87E-06	2.77E-05	4.68E-05	2.47E-06	2.26E-05	3.90E-05
265	6.44E-06	6.12E-05	1.04E-04	6.02E-06	5.83E-05	9.94E-05	2.24E-06	2.17E-05	3.59E-05	2.40E-06	2.39E-05	3.80E-05	2.74E-06	2.66E-05	4.50E-05	2.86E-06	2.77E-05	4.68E-05	2.46E-06	2.26E-05	3.87E-05
266	6.42E-06	6.11E-05	1.03E-04	5.98E-06	5.83E-05	9.89E-05	2.22E-06	2.15E-05	3.58E-05	2.40E-06	2.39E-05	3.79E-05	2.74E-06	2.65E-05	4.49E-05	2.86E-06	2.77E-05	4.62E-05	2.45E-06	2.26E-05	3.87E-

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
288	6.17E-06	5.91E-05	1.01E-04	5.83E-06	5.58E-05	9.58E-05	2.13E-06	2.06E-05	3.46E-05	2.29E-06	2.29E-05	3.69E-05	2.66E-06	2.53E-05	4.30E-05	2.75E-06	2.65E-05	4.49E-05	2.35E-06	2.19E-05	3.70E-05
289	6.16E-06	5.90E-05	1.01E-04	5.83E-06	5.56E-05	9.57E-05	2.13E-06	2.06E-05	3.45E-05	2.28E-06	2.29E-05	3.68E-05	2.66E-06	2.51E-05	4.30E-05	2.75E-06	2.65E-05	4.49E-05	2.35E-06	2.18E-05	3.67E-05
290	6.16E-06	5.90E-05	1.00E-04	5.80E-06	5.55E-05	9.52E-05	2.13E-06	2.05E-05	3.45E-05	2.26E-06	2.28E-05	3.64E-05	2.66E-06	2.51E-05	4.29E-05	2.75E-06	2.65E-05	4.48E-05	2.34E-06	2.17E-05	3.67E-05
291	6.16E-06	5.87E-05	1.00E-04	5.79E-06	5.55E-05	9.51E-05	2.12E-06	2.05E-05	3.45E-05	2.26E-06	2.28E-05	3.63E-05	2.66E-06	2.51E-05	4.27E-05	2.75E-06	2.64E-05	4.47E-05	2.33E-06	2.17E-05	3.67E-05
292	6.16E-06	5.87E-05	1.00E-04	5.79E-06	5.55E-05	9.49E-05	2.12E-06	2.05E-05	3.44E-05	2.26E-06	2.28E-05	3.62E-05	2.66E-06	2.50E-05	4.26E-05	2.73E-06	2.64E-05	4.46E-05	2.33E-06	2.17E-05	3.66E-05
293	6.15E-06	5.87E-05	9.99E-05	5.78E-06	5.54E-05	9.47E-05	2.12E-06	2.05E-05	3.44E-05	2.25E-06	2.27E-05	3.62E-05	2.65E-06	2.50E-05	4.25E-05	2.73E-06	2.64E-05	4.46E-05	2.32E-06	2.16E-05	3.65E-05
294	6.14E-06	5.83E-05	9.92E-05	5.78E-06	5.53E-05	9.47E-05	2.12E-06	2.04E-05	3.43E-05	2.25E-06	2.27E-05	3.61E-05	2.64E-06	2.50E-05	4.25E-05	2.73E-06	2.63E-05	4.46E-05	2.32E-06	2.16E-05	3.64E-05
295	6.14E-06	5.83E-05	9.91E-05	5.78E-06	5.53E-05	9.45E-05	2.11E-06	2.04E-05	3.43E-05	2.24E-06	2.27E-05	3.61E-05	2.62E-06	2.48E-05	4.24E-05	2.73E-06	2.63E-05	4.44E-05	2.32E-06	2.16E-05	3.64E-05
296	6.10E-06	5.82E-05	9.89E-05	5.78E-06	5.53E-05	9.45E-05	2.11E-06	2.04E-05	3.43E-05	2.24E-06	2.26E-05	3.60E-05	2.62E-06	2.48E-05	4.23E-05	2.72E-06	2.63E-05	4.44E-05	2.31E-06	2.15E-05	3.63E-05
297	6.10E-06	5.81E-05	9.88E-05	5.77E-06	5.53E-05	9.39E-05	2.10E-06	2.04E-05	3.43E-05	2.23E-06	2.24E-05	3.60E-05	2.62E-06	2.47E-05	4.23E-05	2.72E-06	2.62E-05	4.43E-05	2.31E-06	2.15E-05	3.63E-05
298	6.09E-06	5.81E-05	9.86E-05	5.77E-06	5.53E-05	9.39E-05	2.09E-06	2.03E-05	3.43E-05	2.23E-06	2.24E-05	3.59E-05	2.61E-06	2.47E-05	4.22E-05	2.71E-06	2.62E-05	4.43E-05	2.31E-06	2.15E-05	3.62E-05
299	6.08E-06	5.80E-05	9.83E-05	5.76E-06	5.52E-05	9.34E-05	2.09E-06	2.03E-05	3.42E-05	2.23E-06	2.24E-05	3.59E-05	2.61E-06	2.46E-05	4.22E-05	2.71E-06	2.62E-05	4.42E-05	2.31E-06	2.15E-05	3.62E-05
300	6.07E-06	5.79E-05	9.83E-05	5.74E-06	5.49E-05	9.33E-05	2.08E-06	2.03E-05	3.41E-05	2.22E-06	2.24E-05	3.58E-05	2.61E-06	2.46E-05	4.22E-05	2.71E-06	2.62E-05	4.42E-05	2.31E-06	2.15E-05	3.60E-05
301	6.07E-06	5.78E-05	9.83E-05	5.74E-06	5.49E-05	9.30E-05	2.08E-06	2.02E-05	3.39E-05	2.21E-06	2.24E-05	3.58E-05	2.60E-06	2.45E-05	4.21E-05	2.70E-06	2.61E-05	4.41E-05	2.29E-06	2.14E-05	3.60E-05
302	6.06E-06	5.76E-05	9.76E-05	5.72E-06	5.47E-05	9.30E-05	2.08E-06	2.02E-05	3.39E-05	2.21E-06	2.22E-05	3.58E-05	2.60E-06	2.45E-05	4.20E-05	2.69E-06	2.60E-05	4.41E-05	2.29E-06	2.14E-05	3.59E-05
303	6.05E-06	5.74E-05	9.74E-05	5.71E-06	5.47E-05	9.29E-05	2.07E-06	2.02E-05	3.38E-05	2.21E-06	2.22E-05	3.57E-05	2.60E-06	2.45E-05	4.20E-05	2.68E-06	2.59E-05	4.41E-05	2.29E-06	2.13E-05	3.58E-05
304	6.05E-06	5.74E-05	9.71E-05	5.70E-06	5.46E-05	9.28E-05	2.07E-06	2.01E-05	3.38E-05	2.21E-06	2.22E-05	3.56E-05	2.60E-06	2.44E-05	4.19E-05	2.67E-06	2.59E-05	4.40E-05	2.29E-06	2.13E-05	3.58E-05
305	6.04E-06	5.74E-05	9.67E-05	5.69E-06	5.46E-05	9.26E-05	2.07E-06	2.01E-05	3.38E-05	2.20E-06	2.22E-05	3.55E-05	2.59E-06	2.44E-05	4.17E-05	2.67E-06	2.58E-05	4.40E-05	2.28E-06	2.13E-05	3.57E-05
306	6.04E-06	5.73E-05	9.64E-05	5.68E-06	5.45E-05	9.26E-05	2.07E-06	2.01E-05	3.38E-05	2.20E-06	2.22E-05	3.53E-05	2.59E-06	2.44E-05	4.17E-05	2.67E-06	2.58E-05	4.40E-05	2.27E-06	2.12E-05	3.55E-05
307	6.02E-06	5.72E-05	9.62E-05	5.68E-06	5.45E-05	9.26E-05	2.06E-06	2.01E-05	3.37E-05	2.19E-06	2.21E-05	3.50E-05	2.59E-06	2.43E-05	4.16E-05	2.66E-06	2.58E-05	4.40E-05	2.27E-06	2.12E-05	3.55E-05
308	6.02E-06	5.71E-05	9.62E-05	5.67E-06	5.45E-05	9.24E-05	2.05E-06	2.01E-05	3.37E-05	2.19E-06	2.21E-05	3.49E-05	2.59E-06	2.43E-05	4.15E-05	2.66E-06	2.58E-05	4.40E-05	2.27E-06	2.12E-05	3.53E-05
309	6.02E-06	5.71E-05	9.58E-05	5.67E-06	5.44E-05	9.23E-05	2.05E-06	2.00E-05	3.37E-05	2.19E-06	2.20E-05	3.49E-05	2.59E-06	2.42E-05	4.14E-05	2.66E-06	2.58E-05	4.39E-05	2.26E-06	2.12E-05	3.53E-05
310	6.01E-06	5.71E-05	9.58E-05	5.63E-06	5.43E-05	9.22E-05	2.04E-06	1.99E-05	3.36E-05	2.19E-06	2.20E-05	3.49E-05	2.58E-06	2.41E-05	4.14E-05	2.66E-06	2.56E-05	4.39E-05	2.26E-06	2.12E-05	3.53E-05
311	6.00E-06	5.68E-05	9.58E-05	5.63E-06	5.41E-05	9.18E-05	2.04E-06	1.99E-05	3.36E-05	2.19E-06	2.20E-05	3.48E-05	2.58E-06	2.41E-05	4.14E-05	2.65E-06	2.55E-05	4.37E-05	2.26E-06	2.11E-05	3.52E-05
312	6.00E-06	5.67E-05	9.55E-05	5.63E-06	5.40E-05	9.17E-05	2.04E-06	1.99E-05	3.36E-05	2.18E-06	2.19E-05	3.48E-05	2.57E-06	2.41E-05	4.13E-05	2.65E-06	2.54E-05	4.35E-05	2.25E-06	2.11E-05	3.52E-05
313	5.97E-06	5.66E-05	9.55E-05	5.62E-06	5.40E-05	9.16E-05	2.03E-06	1.98E-05	3.35E-05	2.18E-06	2.19E-05	3.48E-05	2.56E-06	2.40E-05	4.13E-05	2.64E-06	2.54E-05	4.34E-05	2.25E-06	2.11E-05	3.52E-05
314	5.96E-06	5.66E-05	9.53E-05	5.61E-06	5.36E-05	9.16E-05	2.03E-06	1.98E-05	3.34E-05	2.18E-06	2.18E-05	3.47E-05	2.55E-06	2.39E-05	4.12E-05	2.64E-06	2.53E-05	4.33E-05	2.25E-06	2.10E-05	3.52E-05
315	5.96E-06	5.66E-05	9.49E-05	5.60E-06	5.36E-05	9.14E-05	2.02E-06	1.98E-05	3.34E-05	2.18E-06	2.18E-05	3.47E-05	2.55E-06	2.39E-05	4.11E-05	2.64E-06	2.51E-05	4.33E-05	2.25E-06	2.10E-05	3.50E-05
316	5.95E-06	5.65E-05	9.47E-05	5.60E-06	5.34E-05	9.12E-05	2.02E-06	1.98E-05	3.33E-05	2.18E-06	2.18E-05	3.47E-05	2.54E-06	2.39E-05	4.10E-05	2.64E-06	2.51E-05	4.31E-05	2.24E-06	2.10E-05	3.48E-05
317	5.94E-06	5.65E-05	9.43E-05	5.58E-06	5.34E-05	9.11E-05	2.02E-06	1.97E-05	3.33E-05	2.18E-06	2.18E-05	3.46E-05	2.54E-06	2.39E-05	4.10E-05	2.64E-06	2.51E-05	4.30E-05	2.24E-06	2.09E-05	3.46E-05
318	5.93E-06	5.60E-05	9.41E-05	5.58E-06	5.32E-05	9.08E-05	2.01E-06	1.97E-05	3.33E-05	2.17E-06	2.17E-05	3.45E-05	2.54E-06	2.39E-05	4.10E-05	2.64E-06	2.51E-05	4.30E-05	2.23E-06	2.09E-05	3.46E-05
319	5.93E-06	5.59E-05	9.39E-05	5.58E-06	5.31E-05	9.07E-05	2.01E-06	1.96E-05	3.32E-05	2.16E-06	2.17E-05	3.44E-05	2.54E-06	2.38E-05	4.10E-05	2.63E-06	2.50E-05	4.30E-05	2.23E-06	2.09E-05	3.45E-05
320	5.92E-06	5.58E-05	9.38E-05	5.57E-06	5.30E-05	9.07E-05	2.01E-06	1.96E-05	3.32E-05	2.16E-06	2.16E-05	3.44E-05	2.52E-06	2.38E-05	4.10E-05	2.63E-06	2.49E-05	4.30E-05	2.23E-06	2.09E-05	3.44E-05
321	5.91E-06	5.57E-05	9.37E-05	5.57E-06	5.29E-05	9.07E-05	2.00E-06	1.96E-05	3.31E-05	2.15E-06	2.15E-05	3.44E-05	2.52E-06	2.37E-05	4.10E-05	2.63E-06	2.49E-05	4.29E-05	2.23E-06	2.08E-05	3.44E-05
322	5.90E-06	5.57E-05	9.35E-05	5.54E-06	5.27E-05	9.06E-05	1.99E-06	1.95E-05	3.31E-05	2.14E-06	2.14E-05	3.44E-05	2.52E-06	2.37E-05	4.09E-05	2.62E-06	2.48E-05	4.28E-05	2.22E-06	2.07E-05	3.44E-05
323	5.89E-06	5.56E-05	9.34E-05	5.53E-06	5.27E-05	9.03E-05	1.99E-06	1.94E-05	3.31E-05	2.14E-06	2.14E-05	3.43E-05	2.51E-06	2.37E-05	4.09E-05	2.62E-06	2.47E-05	4.28E-05	2.22E-06	2.07E-05	3.43E-05
324	5.86E-06	5.56E-05	9.32E-05	5.52E-06	5.25E-05	9.01E-05	1.99E-06	1.94E-05	3.30E-05	2.14E-06	2.14E-05	3.43E-05	2.51E-06	2.36E-05	4.08E-05	2.62E-06	2.46E-05	4.28E-05	2.22E-06	2.06E-05	3.43E-05
325	5.85E-06	5.56E-05	9.32E-05	5.51E-06	5.25E-05	9.01E-05	1.99E-06	1.94E-05	3.28E-05	2.14E-06	2.13E-05	3.42E-05	2.51E-06	2.35E-05	4.06E-05	2.62E-06	2.45E-05	4.27E-05	2.22E-06	2.06E-05	3.43E-05
326	5.85E-06	5.54E-05	9.31E-05	5.50E-06	5.25E-05	9.00E-05	1.98E-06	1.93E-05	3.28E-05	2.14E-06	2.12E-05	3.42E-05	2.51E-06	2.35E-05	4.05E-05	2.61E-06	2.45E-05	4.25E-05	2.22E-06	2.06E-05	3.42E-05
327	5.84E-06	5.54E-05	9.30E-05	5.50E-06	5.25E-05	8.98E-05	1.98E-06	1.93E-05	3.27E-05	2.14E-06	2.12E-05	3.41E-05	2.51E-06	2.35E-05	4.04E-05	2.60E-06	2.44E-05	4.24E-05	2.21E-06	2.05E-05	3.42E-05
328	5.82E-06	5.53E-05	9.28E-05	5.49E-06	5.25E-05	8.96E-05	1.98E-06	1.92E-05	3.27E-05	2.13E-06	2.12E-05	3.41E-05	2.51E-06	2.35E-05	4.04E-05	2.60E-06	2.44E-05	4.23E-05	2.21E-06	2.05E-05	3.39E-

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
350	5.66E-06	5.37E-05	8.94E-05	5.34E-06	5.09E-05	8.72E-05	1.94E-06	1.83E-05	3.14E-05	2.08E-06	2.07E-05	3.29E-05	2.46E-06	2.26E-05	3.94E-05	2.52E-06	2.36E-05	4.11E-05	2.11E-06	1.99E-05	3.29E-05
351	5.66E-06	5.37E-05	8.92E-05	5.33E-06	5.07E-05	8.72E-05	1.93E-06	1.83E-05	3.14E-05	2.08E-06	2.07E-05	3.29E-05	2.44E-06	2.25E-05	3.94E-05	2.52E-06	2.36E-05	4.11E-05	2.11E-06	1.99E-05	3.29E-05
352	5.64E-06	5.37E-05	8.89E-05	5.31E-06	5.06E-05	8.70E-05	1.93E-06	1.83E-05	3.13E-05	2.08E-06	2.07E-05	3.28E-05	2.44E-06	2.25E-05	3.93E-05	2.51E-06	2.34E-05	4.10E-05	2.11E-06	1.99E-05	3.28E-05
353	5.63E-06	5.36E-05	8.88E-05	5.29E-06	5.06E-05	8.69E-05	1.93E-06	1.83E-05	3.13E-05	2.07E-06	2.07E-05	3.28E-05	2.44E-06	2.25E-05	3.93E-05	2.51E-06	2.34E-05	4.10E-05	2.10E-06	1.99E-05	3.27E-05
354	5.62E-06	5.35E-05	8.87E-05	5.29E-06	5.06E-05	8.69E-05	1.93E-06	1.82E-05	3.13E-05	2.07E-06	2.06E-05	3.27E-05	2.44E-06	2.24E-05	3.92E-05	2.50E-06	2.34E-05	4.09E-05	2.10E-06	1.99E-05	3.25E-05
355	5.62E-06	5.35E-05	8.87E-05	5.29E-06	5.05E-05	8.69E-05	1.93E-06	1.82E-05	3.12E-05	2.07E-06	2.05E-05	3.26E-05	2.43E-06	2.24E-05	3.92E-05	2.50E-06	2.33E-05	4.09E-05	2.10E-06	1.98E-05	3.24E-05
356	5.62E-06	5.35E-05	8.87E-05	5.29E-06	5.05E-05	8.65E-05	1.92E-06	1.82E-05	3.11E-05	2.07E-06	2.05E-05	3.26E-05	2.43E-06	2.23E-05	3.91E-05	2.49E-06	2.33E-05	4.09E-05	2.09E-06	1.98E-05	3.24E-05
357	5.62E-06	5.33E-05	8.86E-05	5.29E-06	5.05E-05	8.63E-05	1.92E-06	1.82E-05	3.11E-05	2.06E-06	2.04E-05	3.26E-05	2.43E-06	2.23E-05	3.90E-05	2.49E-06	2.33E-05	4.08E-05	2.09E-06	1.98E-05	3.24E-05
358	5.62E-06	5.33E-05	8.85E-05	5.28E-06	5.04E-05	8.63E-05	1.92E-06	1.81E-05	3.10E-05	2.06E-06	2.03E-05	3.25E-05	2.43E-06	2.23E-05	3.90E-05	2.49E-06	2.32E-05	4.08E-05	2.09E-06	1.97E-05	3.24E-05
359	5.61E-06	5.32E-05	8.83E-05	5.28E-06	5.03E-05	8.61E-05	1.92E-06	1.81E-05	3.10E-05	2.06E-06	2.03E-05	3.24E-05	2.42E-06	2.23E-05	3.90E-05	2.48E-06	2.32E-05	4.08E-05	2.09E-06	1.97E-05	3.23E-05
360	5.60E-06	5.32E-05	8.83E-05	5.27E-06	5.03E-05	8.60E-05	1.91E-06	1.81E-05	3.09E-05	2.06E-06	2.03E-05	3.23E-05	2.42E-06	2.22E-05	3.90E-05	2.48E-06	2.32E-05	4.07E-05	2.09E-06	1.97E-05	3.23E-05
361	5.60E-06	5.32E-05	8.82E-05	5.26E-06	5.02E-05	8.59E-05	1.91E-06	1.81E-05	3.08E-05	2.05E-06	2.02E-05	3.22E-05	2.41E-06	2.22E-05	3.89E-05	2.48E-06	2.32E-05	4.07E-05	2.08E-06	1.97E-05	3.23E-05
362	5.60E-06	5.31E-05	8.79E-05	5.25E-06	5.02E-05	8.58E-05	1.91E-06	1.80E-05	3.08E-05	2.05E-06	2.02E-05	3.20E-05	2.41E-06	2.22E-05	3.89E-05	2.48E-06	2.31E-05	4.06E-05	2.08E-06	1.96E-05	3.22E-05
363	5.58E-06	5.30E-05	8.79E-05	5.25E-06	5.02E-05	8.57E-05	1.90E-06	1.80E-05	3.08E-05	2.05E-06	2.01E-05	3.20E-05	2.40E-06	2.22E-05	3.88E-05	2.47E-06	2.31E-05	4.05E-05	2.07E-06	1.96E-05	3.22E-05
364	5.58E-06	5.26E-05	8.76E-05	5.25E-06	5.02E-05	8.57E-05	1.90E-06	1.80E-05	3.07E-05	2.04E-06	2.01E-05	3.19E-05	2.40E-06	2.21E-05	3.88E-05	2.47E-06	2.30E-05	4.05E-05	2.06E-06	1.95E-05	3.22E-05
365	5.58E-06	5.23E-05	8.75E-05	5.22E-06	5.01E-05	8.56E-05	1.89E-06	1.79E-05	3.07E-05	2.04E-06	2.01E-05	3.19E-05	2.39E-06	2.21E-05	3.87E-05	2.47E-06	2.30E-05	4.04E-05	2.06E-06	1.95E-05	3.22E-05
366	5.56E-06	5.22E-05	8.75E-05	5.22E-06	5.01E-05	8.56E-05	1.89E-06	1.79E-05	3.06E-05	2.04E-06	2.01E-05	3.19E-05	2.39E-06	2.20E-05	3.87E-05	2.47E-06	2.30E-05	4.03E-05	2.05E-06	1.95E-05	3.21E-05
367	5.55E-06	5.21E-05	8.73E-05	5.22E-06	5.01E-05	8.55E-05	1.89E-06	1.79E-05	3.05E-05	2.03E-06	2.01E-05	3.18E-05	2.39E-06	2.20E-05	3.87E-05	2.47E-06	2.30E-05	4.03E-05	2.05E-06	1.95E-05	3.21E-05
368	5.55E-06	5.21E-05	8.73E-05	5.20E-06	5.00E-05	8.55E-05	1.89E-06	1.79E-05	3.05E-05	2.03E-06	2.01E-05	3.18E-05	2.38E-06	2.19E-05	3.87E-05	2.47E-06	2.30E-05	4.02E-05	2.05E-06	1.95E-05	3.21E-05
369	5.54E-06	5.20E-05	8.73E-05	5.20E-06	4.97E-05	8.52E-05	1.88E-06	1.78E-05	3.05E-05	2.03E-06	2.00E-05	3.18E-05	2.38E-06	2.19E-05	3.87E-05	2.47E-06	2.30E-05	4.01E-05	2.04E-06	1.95E-05	3.21E-05
370	5.54E-06	5.20E-05	8.73E-05	5.19E-06	4.97E-05	8.52E-05	1.88E-06	1.78E-05	3.04E-05	2.03E-06	2.00E-05	3.18E-05	2.37E-06	2.19E-05	3.86E-05	2.46E-06	2.29E-05	4.01E-05	2.04E-06	1.94E-05	3.21E-05
371	5.54E-06	5.18E-05	8.67E-05	5.18E-06	4.97E-05	8.50E-05	1.88E-06	1.78E-05	3.04E-05	2.03E-06	2.00E-05	3.18E-05	2.37E-06	2.19E-05	3.85E-05	2.45E-06	2.28E-05	4.00E-05	2.04E-06	1.94E-05	3.21E-05
372	5.52E-06	5.18E-05	8.66E-05	5.18E-06	4.95E-05	8.50E-05	1.87E-06	1.77E-05	3.04E-05	2.02E-06	2.00E-05	3.17E-05	2.37E-06	2.19E-05	3.84E-05	2.45E-06	2.28E-05	4.00E-05	2.04E-06	1.94E-05	3.20E-05
373	5.50E-06	5.17E-05	8.66E-05	5.17E-06	4.94E-05	8.50E-05	1.87E-06	1.77E-05	3.03E-05	2.02E-06	1.99E-05	3.17E-05	2.36E-06	2.18E-05	3.84E-05	2.45E-06	2.28E-05	4.00E-05	2.04E-06	1.94E-05	3.20E-05
374	5.50E-06	5.16E-05	8.65E-05	5.16E-06	4.94E-05	8.49E-05	1.87E-06	1.77E-05	3.03E-05	2.02E-06	1.99E-05	3.17E-05	2.36E-06	2.18E-05	3.83E-05	2.44E-06	2.28E-05	3.99E-05	2.04E-06	1.93E-05	3.20E-05
375	5.49E-06	5.15E-05	8.65E-05	5.17E-06	4.93E-05	8.47E-05	1.87E-06	1.77E-05	3.03E-05	2.02E-06	1.99E-05	3.16E-05	2.36E-06	2.18E-05	3.83E-05	2.44E-06	2.28E-05	3.99E-05	2.04E-06	1.93E-05	3.20E-05
376	5.49E-06	5.14E-05	8.62E-05	5.17E-06	4.93E-05	8.45E-05	1.87E-06	1.77E-05	3.03E-05	2.01E-06	1.98E-05	3.16E-05	2.36E-06	2.17E-05	3.83E-05	2.43E-06	2.28E-05	3.98E-05	2.04E-06	1.93E-05	3.20E-05
377	5.49E-06	5.13E-05	8.62E-05	5.16E-06	4.93E-05	8.43E-05	1.86E-06	1.76E-05	3.02E-05	2.01E-06	1.97E-05	3.16E-05	2.35E-06	2.17E-05	3.81E-05	2.43E-06	2.27E-05	3.98E-05	2.03E-06	1.93E-05	3.20E-05
378	5.47E-06	5.13E-05	8.60E-05	5.16E-06	4.92E-05	8.43E-05	1.86E-06	1.76E-05	3.02E-05	2.00E-06	1.97E-05	3.15E-05	2.35E-06	2.16E-05	3.81E-05	2.43E-06	2.27E-05	3.98E-05	2.03E-06	1.93E-05	3.20E-05
379	5.44E-06	5.12E-05	8.60E-05	5.15E-06	4.90E-05	8.40E-05	1.86E-06	1.76E-05	3.02E-05	2.00E-06	1.97E-05	3.15E-05	2.34E-06	2.16E-05	3.80E-05	2.43E-06	2.27E-05	3.97E-05	2.03E-06	1.93E-05	3.19E-05
380	5.43E-06	5.11E-05	8.57E-05	5.15E-06	4.90E-05	8.38E-05	1.85E-06	1.76E-05	3.01E-05	1.99E-06	1.96E-05	3.15E-05	2.34E-06	2.16E-05	3.80E-05	2.42E-06	2.27E-05	3.97E-05	2.02E-06	1.92E-05	3.19E-05
381	5.41E-06	5.09E-05	8.54E-05	5.14E-06	4.89E-05	8.35E-05	1.85E-06	1.76E-05	3.01E-05	1.99E-06	1.96E-05	3.15E-05	2.34E-06	2.16E-05	3.80E-05	2.42E-06	2.26E-05	3.97E-05	2.02E-06	1.92E-05	3.18E-05
382	5.40E-06	5.09E-05	8.52E-05	5.13E-06	4.89E-05	8.35E-05	1.85E-06	1.76E-05	3.00E-05	1.99E-06	1.96E-05	3.13E-05	2.34E-06	2.15E-05	3.79E-05	2.42E-06	2.25E-05	3.97E-05	2.02E-06	1.91E-05	3.18E-05
383	5.40E-06	5.08E-05	8.51E-05	5.09E-06	4.89E-05	8.35E-05	1.84E-06	1.76E-05	2.99E-05	1.99E-06	1.95E-05	3.13E-05	2.34E-06	2.15E-05	3.78E-05	2.41E-06	2.25E-05	3.96E-05	2.01E-06	1.91E-05	3.17E-05
384	5.39E-06	5.08E-05	8.49E-05	5.09E-06	4.88E-05	8.33E-05	1.84E-06	1.76E-05	2.98E-05	1.99E-06	1.95E-05	3.13E-05	2.34E-06	2.15E-05	3.78E-05	2.41E-06	2.25E-05	3.95E-05	2.00E-06	1.91E-05	3.17E-05
385	5.38E-06	5.07E-05	8.48E-05	5.08E-06	4.87E-05	8.33E-05	1.84E-06	1.75E-05	2.97E-05	1.98E-06	1.95E-05	3.11E-05	2.33E-06	2.15E-05	3.78E-05	2.41E-06	2.25E-05	3.94E-05	2.00E-06	1.91E-05	3.17E-05
386	5.37E-06	5.07E-05	8.46E-05	5.08E-06	4.87E-05	8.32E-05	1.83E-06	1.75E-05	2.96E-05	1.98E-06	1.95E-05	3.11E-05	2.33E-06	2.14E-05	3.78E-05	2.41E-06	2.24E-05	3.94E-05	2.00E-06	1.91E-05	3.17E-05
387	5.35E-06	5.06E-05	8.46E-05	5.08E-06	4.87E-05	8.31E-05	1.82E-06	1.75E-05	2.96E-05	1.98E-06	1.94E-05	3.10E-05	2.33E-06	2.13E-05	3.76E-05	2.41E-06	2.24E-05	3.94E-05	1.99E-06	1.90E-05	3.17E-05
388	5.35E-06	5.05E-05	8.45E-05	5.07E-06	4.87E-05	8.31E-05	1.82E-06	1.75E-05	2.96E-05	1.98E-06	1.94E-05	3.10E-05	2.33E-06	2.13E-05	3.76E-05	2.40E-06	2.24E-05	3.93E-05	1.99E-06	1.90E-05	3.15E-05
389	5.34E-06	5.05E-05	8.44E-05	5.05E-06	4.87E-05	8.31E-05	1.82E-06	1.75E-05	2.96E-05	1.98E-06	1.94E-05	3.10E-05	2.33E-06	2.12E-05	3.75E-05	2.40E-06	2.23E-05	3.93E-05	1.99E-06	1.90E-05	3.15E-05
390	5.34E-06	5.04E-05	8.43E-05	5.03E-06	4.86E-05	8.30E-05	1.82E-06	1.75E-05	2.96E-05	1.97E-06	1.93E-05	3.09E-05	2.33E-06	2.12E-05	3.75E-05	2.40E-06	2.23E-05	3.92E-05	1.99E-06	1.90E-05	3.15E-05
391	5.33E-06	5.04E-05	8.42E-05	5.03E-06	4.86E-05	8.28E-05	1.81E-06	1.75E-05	2.95E-05	1.97E-06	1.93E-05	3.09E-05	2.33E-06	2.12E-05	3.75E-05	2.40E-06	2.22E-05	3.92E-05	1.99E-06	1.89E-05	3.15E-05
392	5.33E-06	5.03E-05	8.39E-05	5.02E-06	4.86E-05	8.27E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
412	5.17E-06	4.85E-05	8.08E-05	4.87E-06	4.71E-05	8.06E-05	1.77E-06	1.71E-05	2.89E-05	1.92E-06	1.87E-05	3.00E-05	2.25E-06	2.06E-05	3.66E-05	2.33E-06	2.18E-05	3.79E-05	1.94E-06	1.85E-05	3.07E-05
413	5.16E-06	4.85E-05	8.08E-05	4.86E-06	4.70E-05	8.05E-05	1.77E-06	1.71E-05	2.89E-05	1.92E-06	1.87E-05	3.00E-05	2.24E-06	2.06E-05	3.65E-05	2.33E-06	2.18E-05	3.79E-05	1.94E-06	1.85E-05	3.06E-05
414	5.14E-06	4.84E-05	8.07E-05	4.86E-06	4.68E-05	8.03E-05	1.77E-06	1.71E-05	2.88E-05	1.92E-06	1.87E-05	3.00E-05	2.24E-06	2.05E-05	3.64E-05	2.32E-06	2.18E-05	3.78E-05	1.94E-06	1.85E-05	3.05E-05
415	5.12E-06	4.83E-05	8.06E-05	4.86E-06	4.67E-05	8.02E-05	1.76E-06	1.71E-05	2.88E-05	1.92E-06	1.86E-05	3.00E-05	2.24E-06	2.05E-05	3.64E-05	2.31E-06	2.18E-05	3.78E-05	1.93E-06	1.85E-05	3.05E-05
416	5.12E-06	4.82E-05	8.06E-05	4.85E-06	4.67E-05	8.01E-05	1.76E-06	1.71E-05	2.88E-05	1.91E-06	1.86E-05	2.98E-05	2.23E-06	2.05E-05	3.63E-05	2.31E-06	2.18E-05	3.78E-05	1.93E-06	1.85E-05	3.05E-05
417	5.11E-06	4.82E-05	8.05E-05	4.85E-06	4.67E-05	8.00E-05	1.76E-06	1.71E-05	2.88E-05	1.91E-06	1.86E-05	2.98E-05	2.23E-06	2.05E-05	3.63E-05	2.31E-06	2.17E-05	3.77E-05	1.93E-06	1.85E-05	3.04E-05
418	5.11E-06	4.81E-05	8.04E-05	4.84E-06	4.67E-05	7.99E-05	1.75E-06	1.70E-05	2.87E-05	1.90E-06	1.86E-05	2.98E-05	2.23E-06	2.04E-05	3.62E-05	2.31E-06	2.17E-05	3.77E-05	1.93E-06	1.85E-05	3.03E-05
419	5.10E-06	4.80E-05	8.04E-05	4.83E-06	4.67E-05	7.98E-05	1.75E-06	1.70E-05	2.87E-05	1.90E-06	1.85E-05	2.98E-05	2.23E-06	2.04E-05	3.62E-05	2.31E-06	2.17E-05	3.75E-05	1.92E-06	1.84E-05	3.03E-05
420	5.09E-06	4.79E-05	8.02E-05	4.82E-06	4.66E-05	7.98E-05	1.75E-06	1.70E-05	2.87E-05	1.90E-06	1.85E-05	2.98E-05	2.23E-06	2.04E-05	3.62E-05	2.31E-06	2.16E-05	3.75E-05	1.92E-06	1.84E-05	3.02E-05
421	5.05E-06	4.77E-05	8.02E-05	4.82E-06	4.64E-05	7.97E-05	1.75E-06	1.70E-05	2.87E-05	1.89E-06	1.85E-05	2.98E-05	2.22E-06	2.04E-05	3.62E-05	2.31E-06	2.16E-05	3.74E-05	1.92E-06	1.83E-05	3.02E-05
422	5.04E-06	4.77E-05	8.01E-05	4.81E-06	4.63E-05	7.96E-05	1.74E-06	1.70E-05	2.86E-05	1.89E-06	1.85E-05	2.98E-05	2.22E-06	2.03E-05	3.61E-05	2.31E-06	2.16E-05	3.74E-05	1.92E-06	1.83E-05	3.02E-05
423	5.03E-06	4.77E-05	8.00E-05	4.81E-06	4.62E-05	7.95E-05	1.74E-06	1.70E-05	2.85E-05	1.89E-06	1.85E-05	2.97E-05	2.22E-06	2.03E-05	3.61E-05	2.30E-06	2.16E-05	3.72E-05	1.92E-06	1.83E-05	3.01E-05
424	5.03E-06	4.76E-05	7.98E-05	4.81E-06	4.62E-05	7.90E-05	1.74E-06	1.69E-05	2.85E-05	1.89E-06	1.85E-05	2.97E-05	2.22E-06	2.03E-05	3.60E-05	2.30E-06	2.16E-05	3.72E-05	1.91E-06	1.82E-05	3.01E-05
425	5.01E-06	4.76E-05	7.95E-05	4.81E-06	4.61E-05	7.89E-05	1.74E-06	1.69E-05	2.85E-05	1.89E-06	1.84E-05	2.97E-05	2.22E-06	2.03E-05	3.60E-05	2.30E-06	2.16E-05	3.72E-05	1.91E-06	1.82E-05	3.00E-05
426	4.98E-06	4.76E-05	7.95E-05	4.80E-06	4.60E-05	7.88E-05	1.74E-06	1.69E-05	2.85E-05	1.88E-06	1.84E-05	2.97E-05	2.21E-06	2.02E-05	3.60E-05	2.29E-06	2.16E-05	3.71E-05	1.91E-06	1.81E-05	3.00E-05
427	4.97E-06	4.76E-05	7.95E-05	4.80E-06	4.59E-05	7.88E-05	1.74E-06	1.68E-05	2.84E-05	1.88E-06	1.83E-05	2.97E-05	2.20E-06	2.01E-05	3.60E-05	2.29E-06	2.15E-05	3.71E-05	1.90E-06	1.81E-05	3.00E-05
428	4.97E-06	4.76E-05	7.94E-05	4.80E-06	4.58E-05	7.87E-05	1.74E-06	1.68E-05	2.84E-05	1.88E-06	1.83E-05	2.96E-05	2.20E-06	2.01E-05	3.58E-05	2.29E-06	2.15E-05	3.70E-05	1.90E-06	1.81E-05	2.99E-05
429	4.96E-06	4.75E-05	7.94E-05	4.79E-06	4.56E-05	7.87E-05	1.74E-06	1.68E-05	2.84E-05	1.88E-06	1.83E-05	2.96E-05	2.20E-06	2.01E-05	3.58E-05	2.29E-06	2.15E-05	3.70E-05	1.90E-06	1.80E-05	2.99E-05
430	4.96E-06	4.75E-05	7.93E-05	4.79E-06	4.55E-05	7.84E-05	1.73E-06	1.68E-05	2.84E-05	1.86E-06	1.83E-05	2.95E-05	2.19E-06	2.00E-05	3.57E-05	2.28E-06	2.14E-05	3.70E-05	1.90E-06	1.80E-05	2.99E-05
431	4.95E-06	4.72E-05	7.92E-05	4.78E-06	4.55E-05	7.84E-05	1.73E-06	1.67E-05	2.84E-05	1.86E-06	1.82E-05	2.95E-05	2.19E-06	2.00E-05	3.57E-05	2.28E-06	2.13E-05	3.69E-05	1.90E-06	1.80E-05	2.99E-05
432	4.95E-06	4.71E-05	7.89E-05	4.77E-06	4.55E-05	7.82E-05	1.73E-06	1.67E-05	2.84E-05	1.86E-06	1.81E-05	2.95E-05	2.19E-06	2.00E-05	3.56E-05	2.28E-06	2.13E-05	3.69E-05	1.90E-06	1.80E-05	2.99E-05
433	4.95E-06	4.70E-05	7.87E-05	4.75E-06	4.54E-05	7.82E-05	1.73E-06	1.67E-05	2.83E-05	1.86E-06	1.81E-05	2.95E-05	2.19E-06	2.00E-05	3.56E-05	2.28E-06	2.13E-05	3.68E-05	1.89E-06	1.79E-05	2.99E-05
434	4.95E-06	4.69E-05	7.86E-05	4.75E-06	4.54E-05	7.80E-05	1.71E-06	1.67E-05	2.83E-05	1.86E-06	1.81E-05	2.94E-05	2.19E-06	2.00E-05	3.56E-05	2.27E-06	2.13E-05	3.68E-05	1.88E-06	1.79E-05	2.98E-05
435	4.92E-06	4.69E-05	7.86E-05	4.73E-06	4.53E-05	7.79E-05	1.69E-06	1.67E-05	2.83E-05	1.86E-06	1.81E-05	2.94E-05	2.17E-06	2.00E-05	3.56E-05	2.27E-06	2.13E-05	3.67E-05	1.88E-06	1.79E-05	2.98E-05
436	4.91E-06	4.68E-05	7.84E-05	4.73E-06	4.53E-05	7.78E-05	1.69E-06	1.67E-05	2.82E-05	1.86E-06	1.81E-05	2.94E-05	2.17E-06	2.00E-05	3.55E-05	2.27E-06	2.12E-05	3.67E-05	1.88E-06	1.79E-05	2.97E-05
437	4.91E-06	4.67E-05	7.82E-05	4.72E-06	4.52E-05	7.77E-05	1.69E-06	1.66E-05	2.82E-05	1.85E-06	1.80E-05	2.93E-05	2.17E-06	2.00E-05	3.55E-05	2.27E-06	2.12E-05	3.66E-05	1.88E-06	1.78E-05	2.97E-05
438	4.90E-06	4.67E-05	7.82E-05	4.72E-06	4.52E-05	7.77E-05	1.68E-06	1.66E-05	2.82E-05	1.85E-06	1.80E-05	2.93E-05	2.16E-06	1.99E-05	3.55E-05	2.27E-06	2.12E-05	3.66E-05	1.88E-06	1.78E-05	2.97E-05
439	4.90E-06	4.67E-05	7.80E-05	4.72E-06	4.49E-05	7.74E-05	1.68E-06	1.66E-05	2.82E-05	1.85E-06	1.79E-05	2.93E-05	2.16E-06	1.99E-05	3.54E-05	2.26E-06	2.11E-05	3.65E-05	1.88E-06	1.78E-05	2.97E-05
440	4.90E-06	4.63E-05	7.80E-05	4.72E-06	4.49E-05	7.72E-05	1.68E-06	1.66E-05	2.82E-05	1.84E-06	1.79E-05	2.93E-05	2.16E-06	1.99E-05	3.53E-05	2.26E-06	2.11E-05	3.65E-05	1.88E-06	1.78E-05	2.97E-05
441	4.90E-06	4.63E-05	7.79E-05	4.72E-06	4.48E-05	7.72E-05	1.68E-06	1.65E-05	2.81E-05	1.84E-06	1.79E-05	2.93E-05	2.16E-06	1.98E-05	3.52E-05	2.26E-06	2.11E-05	3.64E-05	1.88E-06	1.77E-05	2.96E-05
442	4.89E-06	4.60E-05	7.77E-05	4.71E-06	4.48E-05	7.70E-05	1.68E-06	1.65E-05	2.80E-05	1.84E-06	1.79E-05	2.93E-05	2.16E-06	1.98E-05	3.52E-05	2.26E-06	2.11E-05	3.64E-05	1.87E-06	1.77E-05	2.96E-05
443	4.89E-06	4.60E-05	7.76E-05	4.70E-06	4.47E-05	7.70E-05	1.68E-06	1.65E-05	2.80E-05	1.84E-06	1.79E-05	2.93E-05	2.15E-06	1.98E-05	3.52E-05	2.26E-06	2.11E-05	3.64E-05	1.87E-06	1.76E-05	2.96E-05
444	4.89E-06	4.60E-05	7.75E-05	4.70E-06	4.47E-05	7.69E-05	1.66E-06	1.65E-05	2.80E-05	1.84E-06	1.78E-05	2.92E-05	2.15E-06	1.98E-05	3.51E-05	2.26E-06	2.11E-05	3.64E-05	1.87E-06	1.76E-05	2.96E-05
445	4.88E-06	4.60E-05	7.75E-05	4.70E-06	4.47E-05	7.69E-05	1.66E-06	1.65E-05	2.79E-05	1.84E-06	1.78E-05	2.92E-05	2.14E-06	1.97E-05	3.50E-05	2.25E-06	2.10E-05	3.63E-05	1.87E-06	1.76E-05	2.95E-05
446	4.88E-06	4.59E-05	7.74E-05	4.70E-06	4.45E-05	7.67E-05	1.66E-06	1.65E-05	2.78E-05	1.83E-06	1.77E-05	2.92E-05	2.14E-06	1.96E-05	3.50E-05	2.25E-06	2.10E-05	3.62E-05	1.87E-06	1.76E-05	2.95E-05
447	4.87E-06	4.59E-05	7.73E-05	4.70E-06	4.45E-05	7.64E-05	1.66E-06	1.64E-05	2.78E-05	1.83E-06	1.77E-05	2.92E-05	2.14E-06	1.96E-05	3.49E-05	2.25E-06	2.10E-05	3.61E-05	1.87E-06	1.76E-05	2.94E-05
448	4.87E-06	4.59E-05	7.72E-05	4.66E-06	4.45E-05	7.64E-05	1.65E-06	1.63E-05	2.78E-05	1.83E-06	1.77E-05	2.91E-05	2.14E-06	1.96E-05	3.48E-05	2.25E-06	2.10E-05	3.61E-05	1.87E-06	1.76E-05	2.94E-05
449	4.86E-06	4.59E-05	7.71E-05	4.66E-06	4.42E-05	7.62E-05	1.65E-06	1.63E-05	2.78E-05	1.83E-06	1.76E-05	2.91E-05	2.14E-06	1.96E-05	3.45E-05	2.25E-06	2.10E-05	3.60E-05	1.87E-06	1.75E-05	2.94E-05
450	4.86E-06	4.59E-05	7.69E-05	4.66E-06	4.42E-05	7.59E-05	1.65E-06	1.63E-05	2.77E-05	1.82E-06	1.76E-05	2.91E-05	2.13E-06	1.96E-05	3.44E-05	2.25E-06	2.09E-05	3.58E-05	1.86E-06	1.75E-05	2.93E-05
451	4.86E-06	4.58E-05	7.68E-05	4.66E-06	4.42E-05	7.57E-05	1.65E-06	1.62E-05	2.77E-05	1.82E-06	1.76E-05	2.91E-05	2.13E-06	1.96E-05	3.43E-05	2.24E-06	2.09E-05	3.58E-05	1.86E-06	1.75E-05	2.93E-05
452	4.86E-06	4.58E-05	7.64E-05	4.65E-06	4.41E-05	7.57E-05	1.65E-06	1.62E-05	2.76E-05	1.81E-06	1.76E-05	2.90E-05	2.12E-06	1.96E-05	3.43E-05	2.24E-06	2.09E-05	3.58E-05	1.86E-06	1.75E-05	2.93E-05
453	4.85E-06	4.57E-05	7.64E-05	4.63E-06	4.40E-05	7.57E-05	1.64E-06	1.62E-05	2.75E-05	1.81E-06	1.76E-05	2.90E-05	2.12E-06	1.96E-05	3.41E-05	2.24E-06	2.09E-05	3.57E-05	1.86E-06	1.73E-05	2.93E-05
454	4.85E-06	4.57E-05	7.63E-05	4.63E-06	4.40E-05	7.54E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
474	4.72E-06	4.42E-05	7.46E-05	4.52E-06	4.28E-05	7.32E-05	1.61E-06	1.57E-05	2.69E-05	1.75E-06	1.70E-05	2.81E-05	2.06E-06	1.89E-05	3.34E-05	2.18E-06	2.05E-05	3.48E-05	1.80E-06	1.67E-05	2.84E-05
475	4.71E-06	4.42E-05	7.45E-05	4.52E-06	4.28E-05	7.31E-05	1.61E-06	1.57E-05	2.69E-05	1.75E-06	1.70E-05	2.81E-05	2.06E-06	1.89E-05	3.34E-05	2.18E-06	2.04E-05	3.47E-05	1.80E-06	1.67E-05	2.83E-05
476	4.71E-06	4.41E-05	7.43E-05	4.52E-06	4.26E-05	7.29E-05	1.61E-06	1.57E-05	2.68E-05	1.75E-06	1.70E-05	2.81E-05	2.06E-06	1.89E-05	3.33E-05	2.18E-06	2.04E-05	3.47E-05	1.79E-06	1.67E-05	2.83E-05
477	4.71E-06	4.40E-05	7.43E-05	4.50E-06	4.25E-05	7.28E-05	1.61E-06	1.57E-05	2.68E-05	1.75E-06	1.70E-05	2.80E-05	2.04E-06	1.88E-05	3.33E-05	2.18E-06	2.04E-05	3.47E-05	1.79E-06	1.66E-05	2.83E-05
478	4.70E-06	4.40E-05	7.42E-05	4.49E-06	4.25E-05	7.28E-05	1.61E-06	1.57E-05	2.68E-05	1.75E-06	1.69E-05	2.80E-05	2.04E-06	1.88E-05	3.33E-05	2.18E-06	2.04E-05	3.46E-05	1.79E-06	1.66E-05	2.82E-05
479	4.70E-06	4.40E-05	7.41E-05	4.49E-06	4.24E-05	7.28E-05	1.60E-06	1.57E-05	2.67E-05	1.75E-06	1.69E-05	2.80E-05	2.04E-06	1.88E-05	3.32E-05	2.18E-06	2.04E-05	3.45E-05	1.79E-06	1.66E-05	2.82E-05
480	4.69E-06	4.39E-05	7.40E-05	4.47E-06	4.24E-05	7.27E-05	1.60E-06	1.56E-05	2.67E-05	1.74E-06	1.69E-05	2.80E-05	2.04E-06	1.88E-05	3.32E-05	2.18E-06	2.03E-05	3.44E-05	1.79E-06	1.66E-05	2.82E-05
481	4.69E-06	4.38E-05	7.39E-05	4.47E-06	4.23E-05	7.27E-05	1.60E-06	1.56E-05	2.66E-05	1.74E-06	1.69E-05	2.80E-05	2.04E-06	1.88E-05	3.32E-05	2.18E-06	2.03E-05	3.44E-05	1.79E-06	1.65E-05	2.81E-05
482	4.68E-06	4.37E-05	7.39E-05	4.47E-06	4.23E-05	7.27E-05	1.60E-06	1.56E-05	2.66E-05	1.74E-06	1.69E-05	2.80E-05	2.03E-06	1.87E-05	3.31E-05	2.17E-06	2.03E-05	3.44E-05	1.79E-06	1.64E-05	2.81E-05
483	4.68E-06	4.36E-05	7.39E-05	4.46E-06	4.22E-05	7.26E-05	1.59E-06	1.56E-05	2.66E-05	1.74E-06	1.69E-05	2.80E-05	2.03E-06	1.87E-05	3.31E-05	2.17E-06	2.03E-05	3.43E-05	1.78E-06	1.64E-05	2.81E-05
484	4.67E-06	4.36E-05	7.39E-05	4.46E-06	4.22E-05	7.24E-05	1.59E-06	1.55E-05	2.66E-05	1.74E-06	1.68E-05	2.80E-05	2.03E-06	1.87E-05	3.31E-05	2.17E-06	2.03E-05	3.43E-05	1.78E-06	1.64E-05	2.81E-05
485	4.67E-06	4.35E-05	7.38E-05	4.46E-06	4.22E-05	7.20E-05	1.59E-06	1.55E-05	2.65E-05	1.74E-06	1.68E-05	2.79E-05	2.03E-06	1.87E-05	3.30E-05	2.16E-06	2.03E-05	3.43E-05	1.78E-06	1.64E-05	2.81E-05
486	4.65E-06	4.35E-05	7.38E-05	4.45E-06	4.22E-05	7.18E-05	1.58E-06	1.54E-05	2.65E-05	1.73E-06	1.68E-05	2.79E-05	2.03E-06	1.87E-05	3.30E-05	2.16E-06	2.03E-05	3.42E-05	1.77E-06	1.63E-05	2.81E-05
487	4.62E-06	4.35E-05	7.38E-05	4.45E-06	4.21E-05	7.17E-05	1.58E-06	1.54E-05	2.65E-05	1.73E-06	1.68E-05	2.79E-05	2.03E-06	1.87E-05	3.30E-05	2.16E-06	2.02E-05	3.42E-05	1.77E-06	1.63E-05	2.80E-05
488	4.61E-06	4.35E-05	7.36E-05	4.45E-06	4.21E-05	7.16E-05	1.58E-06	1.54E-05	2.64E-05	1.73E-06	1.67E-05	2.79E-05	2.02E-06	1.87E-05	3.30E-05	2.16E-06	2.02E-05	3.42E-05	1.77E-06	1.63E-05	2.80E-05
489	4.60E-06	4.35E-05	7.36E-05	4.44E-06	4.19E-05	7.16E-05	1.58E-06	1.54E-05	2.64E-05	1.73E-06	1.67E-05	2.79E-05	2.02E-06	1.87E-05	3.30E-05	2.16E-06	2.01E-05	3.41E-05	1.76E-06	1.63E-05	2.80E-05
490	4.60E-06	4.35E-05	7.35E-05	4.44E-06	4.19E-05	7.15E-05	1.58E-06	1.54E-05	2.63E-05	1.73E-06	1.66E-05	2.79E-05	2.02E-06	1.87E-05	3.29E-05	2.16E-06	2.01E-05	3.41E-05	1.76E-06	1.63E-05	2.80E-05
491	4.59E-06	4.34E-05	7.34E-05	4.44E-06	4.19E-05	7.14E-05	1.58E-06	1.54E-05	2.63E-05	1.73E-06	1.66E-05	2.78E-05	2.01E-06	1.86E-05	3.29E-05	2.16E-06	2.00E-05	3.41E-05	1.76E-06	1.63E-05	2.79E-05
492	4.59E-06	4.33E-05	7.34E-05	4.43E-06	4.19E-05	7.13E-05	1.58E-06	1.54E-05	2.63E-05	1.72E-06	1.66E-05	2.77E-05	2.01E-06	1.86E-05	3.27E-05	2.16E-06	2.00E-05	3.40E-05	1.76E-06	1.62E-05	2.79E-05
493	4.57E-06	4.33E-05	7.33E-05	4.42E-06	4.19E-05	7.12E-05	1.58E-06	1.53E-05	2.62E-05	1.72E-06	1.64E-05	2.77E-05	2.01E-06	1.86E-05	3.27E-05	2.16E-06	2.00E-05	3.40E-05	1.76E-06	1.62E-05	2.79E-05
494	4.57E-06	4.32E-05	7.32E-05	4.41E-06	4.18E-05	7.12E-05	1.58E-06	1.53E-05	2.61E-05	1.72E-06	1.64E-05	2.77E-05	2.01E-06	1.86E-05	3.26E-05	2.16E-06	2.00E-05	3.39E-05	1.76E-06	1.62E-05	2.79E-05
495	4.57E-06	4.31E-05	7.30E-05	4.41E-06	4.17E-05	7.11E-05	1.57E-06	1.53E-05	2.61E-05	1.71E-06	1.64E-05	2.77E-05	2.01E-06	1.85E-05	3.26E-05	2.15E-06	1.99E-05	3.39E-05	1.75E-06	1.62E-05	2.78E-05
496	4.55E-06	4.31E-05	7.29E-05	4.40E-06	4.17E-05	7.10E-05	1.57E-06	1.53E-05	2.60E-05	1.71E-06	1.64E-05	2.76E-05	2.01E-06	1.84E-05	3.25E-05	2.15E-06	1.99E-05	3.38E-05	1.75E-06	1.62E-05	2.78E-05
497	4.55E-06	4.30E-05	7.29E-05	4.39E-06	4.16E-05	7.08E-05	1.56E-06	1.53E-05	2.60E-05	1.71E-06	1.64E-05	2.76E-05	2.01E-06	1.84E-05	3.25E-05	2.15E-06	1.99E-05	3.38E-05	1.74E-06	1.62E-05	2.78E-05
498	4.54E-06	4.30E-05	7.29E-05	4.39E-06	4.16E-05	7.07E-05	1.56E-06	1.53E-05	2.59E-05	1.71E-06	1.64E-05	2.75E-05	2.00E-06	1.84E-05	3.25E-05	2.15E-06	1.99E-05	3.36E-05	1.74E-06	1.62E-05	2.78E-05
499	4.54E-06	4.30E-05	7.29E-05	4.36E-06	4.15E-05	7.07E-05	1.56E-06	1.53E-05	2.59E-05	1.71E-06	1.64E-05	2.74E-05	2.00E-06	1.84E-05	3.24E-05	2.14E-06	1.99E-05	3.36E-05	1.74E-06	1.62E-05	2.78E-05
500	4.52E-06	4.29E-05	7.28E-05	4.35E-06	4.15E-05	7.07E-05	1.56E-06	1.52E-05	2.59E-05	1.70E-06	1.64E-05	2.74E-05	2.00E-06	1.84E-05	3.24E-05	2.14E-06	1.99E-05	3.36E-05	1.73E-06	1.62E-05	2.77E-05
501	4.52E-06	4.29E-05	7.27E-05	4.35E-06	4.14E-05	7.05E-05	1.55E-06	1.52E-05	2.58E-05	1.70E-06	1.64E-05	2.73E-05	2.00E-06	1.83E-05	3.24E-05	2.14E-06	1.98E-05	3.35E-05	1.73E-06	1.62E-05	2.77E-05
502	4.51E-06	4.28E-05	7.25E-05	4.34E-06	4.13E-05	7.01E-05	1.55E-06	1.52E-05	2.58E-05	1.70E-06	1.64E-05	2.73E-05	2.00E-06	1.83E-05	3.24E-05	2.14E-06	1.97E-05	3.35E-05	1.73E-06	1.61E-05	2.77E-05
503	4.51E-06	4.28E-05	7.24E-05	4.34E-06	4.12E-05	6.99E-05	1.55E-06	1.52E-05	2.57E-05	1.70E-06	1.63E-05	2.73E-05	1.99E-06	1.83E-05	3.24E-05	2.14E-06	1.97E-05	3.35E-05	1.73E-06	1.61E-05	2.77E-05
504	4.51E-06	4.28E-05	7.23E-05	4.33E-06	4.11E-05	6.96E-05	1.55E-06	1.51E-05	2.57E-05	1.70E-06	1.63E-05	2.73E-05	1.99E-06	1.83E-05	3.23E-05	2.13E-06	1.97E-05	3.34E-05	1.73E-06	1.61E-05	2.77E-05
505	4.49E-06	4.27E-05	7.21E-05	4.33E-06	4.10E-05	6.96E-05	1.55E-06	1.51E-05	2.57E-05	1.70E-06	1.63E-05	2.72E-05	1.99E-06	1.83E-05	3.22E-05	2.13E-06	1.96E-05	3.34E-05	1.73E-06	1.61E-05	2.76E-05
506	4.47E-06	4.26E-05	7.21E-05	4.32E-06	4.10E-05	6.95E-05	1.55E-06	1.51E-05	2.56E-05	1.70E-06	1.63E-05	2.72E-05	1.99E-06	1.82E-05	3.22E-05	2.13E-06	1.96E-05	3.34E-05	1.72E-06	1.61E-05	2.76E-05
507	4.47E-06	4.26E-05	7.21E-05	4.32E-06	4.09E-05	6.94E-05	1.54E-06	1.51E-05	2.56E-05	1.70E-06	1.63E-05	2.72E-05	1.99E-06	1.82E-05	3.21E-05	2.13E-06	1.96E-05	3.34E-05	1.72E-06	1.61E-05	2.76E-05
508	4.47E-06	4.26E-05	7.20E-05	4.31E-06	4.09E-05	6.93E-05	1.54E-06	1.51E-05	2.55E-05	1.69E-06	1.63E-05	2.71E-05	1.99E-06	1.82E-05	3.21E-05	2.13E-06	1.96E-05	3.33E-05	1.72E-06	1.60E-05	2.76E-05
509	4.47E-06	4.26E-05	7.19E-05	4.31E-06	4.08E-05	6.93E-05	1.54E-06	1.51E-05	2.55E-05	1.69E-06	1.63E-05	2.71E-05	1.99E-06	1.82E-05	3.20E-05	2.13E-06	1.96E-05	3.32E-05	1.72E-06	1.60E-05	2.76E-05
510	4.47E-06	4.25E-05	7.19E-05	4.30E-06	4.08E-05	6.91E-05	1.54E-06	1.51E-05	2.54E-05	1.69E-06	1.63E-05	2.71E-05	1.98E-06	1.81E-05	3.20E-05	2.13E-06	1.96E-05	3.31E-05	1.72E-06	1.60E-05	2.75E-05
511	4.45E-06	4.24E-05	7.18E-05	4.29E-06	4.06E-05	6.90E-05	1.54E-06	1.50E-05	2.54E-05	1.68E-06	1.63E-05	2.71E-05	1.98E-06	1.81E-05	3.20E-05	2.12E-06	1.96E-05	3.31E-05	1.72E-06	1.59E-05	2.75E-05
512	4.44E-06	4.23E-05	7.17E-05	4.29E-06	4.06E-05	6.88E-05	1.54E-06	1.50E-05	2.54E-05	1.68E-06	1.62E-05	2.70E-05	1.98E-06	1.81E-05	3.19E-05	2.12E-06	1.96E-05	3.31E-05	1.72E-06	1.59E-05	2.74E-05
513	4.43E-06	4.23E-05	7.16E-05	4.28E-06	4.06E-05	6.87E-05	1.54E-06	1.50E-05	2.54E-05	1.68E-06	1.62E-05	2.70E-05	1.98E-06	1.81E-05	3.19E-05	2.12E-06	1.96E-05	3.31E-05	1.71E-06	1.59E-05	2.74E-05
514	4.42E-06	4.23E-05	7.15E-05	4.28E-06	4.05E-05	6.87E-05	1.53E-06	1.50E-05	2.53E-05	1.68E-06	1.62E-05	2.70E-05	1.97E-06	1.80E-05	3.19E-05	2.12E-06	1.95E-05	3.30E-05	1.71E-06	1.59E-05	2.74E-05
515	4.42E-06	4.22E-05	7.14E-05	4.27E-06	4.04E-05	6.86E-05	1.53E-06	1.50E-05	2.53E-05	1.67E-06	1.62E-05	2.69E-05	1.97E-06	1.80E-05	3.18E-05	2.12E-06	1.95E-05	3.30E-05	1.71E-06	1.58E-05	2.74E-05
516	4.42E-06	4.22E-05	7.14E-05	4.27E-06	4.04E-05	6.84E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
536	4.35E-06	4.15E-05	7.03E-05	4.19E-06	3.93E-05	6.69E-05	1.50E-06	1.46E-05	2.48E-05	1.62E-06	1.57E-05	2.65E-05	1.94E-06	1.75E-05	3.12E-05	2.06E-06	1.90E-05	3.26E-05	1.67E-06	1.55E-05	2.69E-05
537	4.35E-06	4.15E-05	7.02E-05	4.19E-06	3.93E-05	6.69E-05	1.50E-06	1.46E-05	2.48E-05	1.62E-06	1.57E-05	2.65E-05	1.94E-06	1.75E-05	3.12E-05	2.06E-06	1.90E-05	3.26E-05	1.67E-06	1.55E-05	2.69E-05
538	4.34E-06	4.15E-05	7.02E-05	4.19E-06	3.92E-05	6.68E-05	1.50E-06	1.46E-05	2.48E-05	1.61E-06	1.57E-05	2.64E-05	1.94E-06	1.75E-05	3.12E-05	2.04E-06	1.90E-05	3.25E-05	1.66E-06	1.54E-05	2.68E-05
539	4.34E-06	4.14E-05	7.02E-05	4.17E-06	3.91E-05	6.68E-05	1.49E-06	1.46E-05	2.47E-05	1.61E-06	1.57E-05	2.64E-05	1.94E-06	1.75E-05	3.12E-05	2.04E-06	1.90E-05	3.25E-05	1.66E-06	1.54E-05	2.68E-05
540	4.33E-06	4.14E-05	7.01E-05	4.16E-06	3.90E-05	6.67E-05	1.49E-06	1.45E-05	2.47E-05	1.61E-06	1.57E-05	2.64E-05	1.93E-06	1.75E-05	3.12E-05	2.04E-06	1.89E-05	3.23E-05	1.66E-06	1.54E-05	2.68E-05
541	4.32E-06	4.12E-05	7.01E-05	4.15E-06	3.90E-05	6.67E-05	1.49E-06	1.45E-05	2.47E-05	1.61E-06	1.56E-05	2.64E-05	1.93E-06	1.74E-05	3.10E-05	2.04E-06	1.89E-05	3.23E-05	1.66E-06	1.54E-05	2.67E-05
542	4.32E-06	4.11E-05	7.00E-05	4.14E-06	3.89E-05	6.67E-05	1.49E-06	1.45E-05	2.47E-05	1.61E-06	1.56E-05	2.63E-05	1.93E-06	1.74E-05	3.10E-05	2.03E-06	1.89E-05	3.23E-05	1.66E-06	1.54E-05	2.67E-05
543	4.30E-06	4.11E-05	6.99E-05	4.14E-06	3.89E-05	6.65E-05	1.49E-06	1.45E-05	2.47E-05	1.61E-06	1.56E-05	2.63E-05	1.93E-06	1.74E-05	3.10E-05	2.03E-06	1.89E-05	3.23E-05	1.65E-06	1.54E-05	2.67E-05
544	4.30E-06	4.11E-05	6.98E-05	4.13E-06	3.89E-05	6.64E-05	1.49E-06	1.45E-05	2.46E-05	1.61E-06	1.56E-05	2.62E-05	1.92E-06	1.74E-05	3.09E-05	2.03E-06	1.89E-05	3.22E-05	1.65E-06	1.54E-05	2.67E-05
545	4.30E-06	4.11E-05	6.96E-05	4.13E-06	3.89E-05	6.63E-05	1.48E-06	1.45E-05	2.46E-05	1.61E-06	1.55E-05	2.62E-05	1.92E-06	1.74E-05	3.09E-05	2.02E-06	1.89E-05	3.22E-05	1.65E-06	1.54E-05	2.67E-05
546	4.30E-06	4.10E-05	6.94E-05	4.13E-06	3.88E-05	6.62E-05	1.48E-06	1.44E-05	2.46E-05	1.60E-06	1.55E-05	2.62E-05	1.92E-06	1.73E-05	3.08E-05	2.02E-06	1.89E-05	3.22E-05	1.65E-06	1.53E-05	2.66E-05
547	4.29E-06	4.10E-05	6.93E-05	4.12E-06	3.87E-05	6.61E-05	1.48E-06	1.44E-05	2.46E-05	1.60E-06	1.54E-05	2.62E-05	1.91E-06	1.73E-05	3.08E-05	2.02E-06	1.89E-05	3.21E-05	1.65E-06	1.53E-05	2.66E-05
548	4.28E-06	4.10E-05	6.92E-05	4.11E-06	3.86E-05	6.61E-05	1.48E-06	1.43E-05	2.46E-05	1.60E-06	1.54E-05	2.61E-05	1.91E-06	1.73E-05	3.08E-05	2.02E-06	1.89E-05	3.21E-05	1.65E-06	1.53E-05	2.66E-05
549	4.28E-06	4.10E-05	6.92E-05	4.10E-06	3.85E-05	6.60E-05	1.48E-06	1.43E-05	2.45E-05	1.60E-06	1.54E-05	2.61E-05	1.91E-06	1.73E-05	3.08E-05	2.02E-06	1.89E-05	3.20E-05	1.64E-06	1.53E-05	2.66E-05
550	4.25E-06	4.09E-05	6.91E-05	4.10E-06	3.85E-05	6.60E-05	1.48E-06	1.43E-05	2.45E-05	1.60E-06	1.54E-05	2.60E-05	1.90E-06	1.73E-05	3.08E-05	2.02E-06	1.88E-05	3.20E-05	1.64E-06	1.53E-05	2.66E-05
551	4.25E-06	4.09E-05	6.91E-05	4.10E-06	3.85E-05	6.60E-05	1.47E-06	1.43E-05	2.45E-05	1.60E-06	1.54E-05	2.60E-05	1.90E-06	1.73E-05	3.07E-05	2.01E-06	1.88E-05	3.19E-05	1.64E-06	1.53E-05	2.65E-05
552	4.24E-06	4.07E-05	6.89E-05	4.10E-06	3.84E-05	6.59E-05	1.47E-06	1.43E-05	2.45E-05	1.60E-06	1.53E-05	2.60E-05	1.89E-06	1.72E-05	3.06E-05	2.01E-06	1.88E-05	3.19E-05	1.64E-06	1.53E-05	2.65E-05
553	4.23E-06	4.07E-05	6.88E-05	4.09E-06	3.84E-05	6.59E-05	1.47E-06	1.42E-05	2.44E-05	1.60E-06	1.53E-05	2.60E-05	1.89E-06	1.72E-05	3.06E-05	2.01E-06	1.88E-05	3.18E-05	1.64E-06	1.52E-05	2.65E-05
554	4.22E-06	4.07E-05	6.88E-05	4.08E-06	3.83E-05	6.56E-05	1.46E-06	1.42E-05	2.44E-05	1.59E-06	1.53E-05	2.60E-05	1.89E-06	1.71E-05	3.06E-05	2.00E-06	1.88E-05	3.17E-05	1.63E-06	1.52E-05	2.65E-05
555	4.21E-06	4.07E-05	6.88E-05	4.08E-06	3.82E-05	6.56E-05	1.46E-06	1.42E-05	2.43E-05	1.59E-06	1.53E-05	2.59E-05	1.89E-06	1.71E-05	3.06E-05	2.00E-06	1.87E-05	3.17E-05	1.63E-06	1.52E-05	2.65E-05
556	4.21E-06	4.07E-05	6.87E-05	4.08E-06	3.82E-05	6.56E-05	1.46E-06	1.42E-05	2.43E-05	1.59E-06	1.52E-05	2.59E-05	1.89E-06	1.71E-05	3.05E-05	2.00E-06	1.87E-05	3.17E-05	1.63E-06	1.52E-05	2.64E-05
557	4.21E-06	4.06E-05	6.85E-05	4.08E-06	3.81E-05	6.55E-05	1.46E-06	1.42E-05	2.43E-05	1.59E-06	1.52E-05	2.59E-05	1.89E-06	1.71E-05	3.05E-05	2.00E-06	1.87E-05	3.17E-05	1.63E-06	1.52E-05	2.64E-05
558	4.20E-06	4.05E-05	6.85E-05	4.07E-06	3.80E-05	6.55E-05	1.46E-06	1.42E-05	2.43E-05	1.58E-06	1.52E-05	2.59E-05	1.89E-06	1.70E-05	3.05E-05	2.00E-06	1.86E-05	3.17E-05	1.63E-06	1.51E-05	2.64E-05
559	4.20E-06	4.05E-05	6.84E-05	4.05E-06	3.80E-05	6.53E-05	1.46E-06	1.41E-05	2.43E-05	1.58E-06	1.51E-05	2.59E-05	1.89E-06	1.69E-05	3.05E-05	1.99E-06	1.86E-05	3.16E-05	1.63E-06	1.51E-05	2.64E-05
560	4.19E-06	4.05E-05	6.82E-05	4.05E-06	3.80E-05	6.52E-05	1.46E-06	1.41E-05	2.42E-05	1.58E-06	1.51E-05	2.59E-05	1.89E-06	1.69E-05	3.04E-05	1.99E-06	1.86E-05	3.16E-05	1.62E-06	1.51E-05	2.64E-05
561	4.19E-06	4.05E-05	6.82E-05	4.05E-06	3.80E-05	6.52E-05	1.46E-06	1.41E-05	2.42E-05	1.58E-06	1.51E-05	2.59E-05	1.89E-06	1.68E-05	3.04E-05	1.99E-06	1.86E-05	3.16E-05	1.62E-06	1.51E-05	2.64E-05
562	4.19E-06	4.04E-05	6.82E-05	4.04E-06	3.80E-05	6.51E-05	1.46E-06	1.41E-05	2.42E-05	1.58E-06	1.51E-05	2.58E-05	1.88E-06	1.68E-05	3.04E-05	1.98E-06	1.86E-05	3.16E-05	1.62E-06	1.51E-05	2.64E-05
563	4.18E-06	4.03E-05	6.82E-05	4.04E-06	3.80E-05	6.51E-05	1.46E-06	1.40E-05	2.42E-05	1.58E-06	1.51E-05	2.58E-05	1.88E-06	1.68E-05	3.04E-05	1.98E-06	1.85E-05	3.16E-05	1.62E-06	1.51E-05	2.62E-05
564	4.18E-06	4.03E-05	6.82E-05	4.03E-06	3.78E-05	6.51E-05	1.45E-06	1.40E-05	2.42E-05	1.57E-06	1.51E-05	2.58E-05	1.88E-06	1.68E-05	3.03E-05	1.97E-06	1.85E-05	3.16E-05	1.62E-06	1.51E-05	2.61E-05
565	4.17E-06	4.03E-05	6.82E-05	4.03E-06	3.78E-05	6.51E-05	1.45E-06	1.40E-05	2.42E-05	1.57E-06	1.50E-05	2.58E-05	1.88E-06	1.68E-05	3.03E-05	1.97E-06	1.85E-05	3.16E-05	1.62E-06	1.51E-05	2.60E-05
566	4.17E-06	4.02E-05	6.81E-05	4.03E-06	3.78E-05	6.50E-05	1.45E-06	1.40E-05	2.42E-05	1.57E-06	1.50E-05	2.58E-05	1.88E-06	1.67E-05	3.02E-05	1.97E-06	1.85E-05	3.15E-05	1.61E-06	1.51E-05	2.60E-05
567	4.17E-06	4.02E-05	6.81E-05	4.03E-06	3.78E-05	6.50E-05	1.44E-06	1.40E-05	2.42E-05	1.57E-06	1.50E-05	2.58E-05	1.88E-06	1.67E-05	3.02E-05	1.97E-06	1.85E-05	3.14E-05	1.60E-06	1.50E-05	2.60E-05
568	4.17E-06	4.02E-05	6.81E-05	4.02E-06	3.78E-05	6.50E-05	1.44E-06	1.40E-05	2.42E-05	1.57E-06	1.50E-05	2.57E-05	1.88E-06	1.67E-05	3.01E-05	1.97E-06	1.85E-05	3.14E-05	1.60E-06	1.50E-05	2.60E-05
569	4.16E-06	4.01E-05	6.81E-05	4.02E-06	3.77E-05	6.50E-05	1.43E-06	1.40E-05	2.41E-05	1.57E-06	1.50E-05	2.57E-05	1.88E-06	1.67E-05	3.01E-05	1.96E-06	1.85E-05	3.14E-05	1.60E-06	1.50E-05	2.59E-05
570	4.15E-06	4.01E-05	6.80E-05	4.02E-06	3.77E-05	6.49E-05	1.43E-06	1.40E-05	2.41E-05	1.57E-06	1.50E-05	2.57E-05	1.87E-06	1.67E-05	3.01E-05	1.96E-06	1.85E-05	3.13E-05	1.60E-06	1.50E-05	2.59E-05
571	4.15E-06	4.01E-05	6.80E-05	4.02E-06	3.76E-05	6.48E-05	1.43E-06	1.39E-05	2.40E-05	1.57E-06	1.49E-05	2.57E-05	1.87E-06	1.66E-05	3.00E-05	1.96E-06	1.85E-05	3.13E-05	1.60E-06	1.49E-05	2.59E-05
572	4.14E-06	4.00E-05	6.79E-05	4.01E-06	3.76E-05	6.46E-05	1.43E-06	1.39E-05	2.39E-05	1.56E-06	1.49E-05	2.57E-05	1.87E-06	1.66E-05	3.00E-05	1.95E-06	1.85E-05	3.13E-05	1.59E-06	1.49E-05	2.59E-05
573	4.14E-06	4.00E-05	6.78E-05	4.01E-06	3.76E-05	6.45E-05	1.43E-06	1.39E-05	2.39E-05	1.56E-06	1.49E-05	2.57E-05	1.87E-06	1.66E-05	2.99E-05	1.95E-06	1.84E-05	3.13E-05	1.59E-06	1.49E-05	2.58E-05
574	4.13E-06	3.99E-05	6.77E-05	4.01E-06	3.76E-05	6.45E-05	1.43E-06	1.39E-05	2.39E-05	1.55E-06	1.49E-05	2.57E-05	1.87E-06	1.65E-05	2.97E-05	1.95E-06	1.84E-05	3.13E-05	1.59E-06	1.49E-05	2.58E-05
575	4.12E-06	3.98E-05	6.77E-05	4.00E-06	3.76E-05	6.44E-05	1.43E-06	1.39E-05	2.39E-05	1.55E-06	1.49E-05	2.57E-05	1.87E-06	1.65E-05	2.97E-05	1.95E-06	1.84E-05	3.13E-05	1.58E-06	1.49E-05	2.58E-05
576	4.12E-06	3.98E-05	6.77E-05	4.00E-06	3.75E-05	6.43E-05	1.43E-06	1.38E-05	2.39E-05	1.55E-06	1.49E-05	2.57E-05	1.87E-06	1.65E-05	2.97E-05	1.95E-06	1.84E-05	3.13E-05	1.58E-06	1.49E-05	2.57E-05
577	4.11E-06	3.98E-05	6.76E-05	4.00E-06	3.75E-05	6.42E-05	1.43E-06	1.38E-05	2.39E-05	1.55E-06	1.49E-05	2.57E-05	1.87E-06	1.65E-05	2.97E-05	1.95E-06	1.84E-05	3.13E-05	1.58E-06	1.48E-05	2.57E-05
578	4.11E-06	3.98E-05	6.75E-05	4.00E-06	3.74E-05	6.42E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
598	4.04E-06	3.89E-05	6.63E-05	3.91E-06	3.68E-05	6.28E-05	1.40E-06	1.36E-05	2.34E-05	1.52E-06	1.45E-05	2.51E-05	1.82E-06	1.61E-05	2.92E-05	1.91E-06	1.79E-05	3.07E-05	1.55E-06	1.45E-05	2.54E-05
599	4.03E-06	3.89E-05	6.63E-05	3.91E-06	3.67E-05	6.27E-05	1.40E-06	1.36E-05	2.34E-05	1.52E-06	1.45E-05	2.50E-05	1.82E-06	1.61E-05	2.91E-05	1.90E-06	1.79E-05	3.06E-05	1.55E-06	1.45E-05	2.54E-05
600	4.02E-06	3.88E-05	6.63E-05	3.91E-06	3.67E-05	6.27E-05	1.40E-06	1.36E-05	2.33E-05	1.52E-06	1.45E-05	2.50E-05	1.81E-06	1.61E-05	2.91E-05	1.90E-06	1.79E-05	3.05E-05	1.55E-06	1.45E-05	2.53E-05
601	4.02E-06	3.88E-05	6.62E-05	3.91E-06	3.65E-05	6.26E-05	1.40E-06	1.36E-05	2.33E-05	1.52E-06	1.44E-05	2.50E-05	1.81E-06	1.60E-05	2.91E-05	1.90E-06	1.79E-05	3.05E-05	1.55E-06	1.45E-05	2.53E-05
602	4.02E-06	3.88E-05	6.62E-05	3.91E-06	3.65E-05	6.26E-05	1.40E-06	1.36E-05	2.33E-05	1.52E-06	1.44E-05	2.50E-05	1.80E-06	1.60E-05	2.90E-05	1.90E-06	1.79E-05	3.05E-05	1.54E-06	1.44E-05	2.53E-05
603	4.01E-06	3.87E-05	6.62E-05	3.91E-06	3.65E-05	6.25E-05	1.40E-06	1.36E-05	2.33E-05	1.52E-06	1.44E-05	2.50E-05	1.80E-06	1.60E-05	2.90E-05	1.90E-06	1.78E-05	3.05E-05	1.54E-06	1.44E-05	2.53E-05
604	4.01E-06	3.86E-05	6.62E-05	3.90E-06	3.64E-05	6.25E-05	1.40E-06	1.36E-05	2.32E-05	1.52E-06	1.44E-05	2.49E-05	1.80E-06	1.60E-05	2.89E-05	1.90E-06	1.78E-05	3.04E-05	1.54E-06	1.44E-05	2.53E-05
605	4.00E-06	3.86E-05	6.62E-05	3.90E-06	3.64E-05	6.24E-05	1.40E-06	1.36E-05	2.32E-05	1.51E-06	1.44E-05	2.49E-05	1.80E-06	1.60E-05	2.89E-05	1.90E-06	1.78E-05	3.04E-05	1.54E-06	1.44E-05	2.53E-05
606	3.99E-06	3.86E-05	6.61E-05	3.89E-06	3.64E-05	6.24E-05	1.39E-06	1.36E-05	2.32E-05	1.51E-06	1.43E-05	2.49E-05	1.80E-06	1.60E-05	2.89E-05	1.89E-06	1.78E-05	3.04E-05	1.54E-06	1.44E-05	2.52E-05
607	3.99E-06	3.85E-05	6.60E-05	3.89E-06	3.64E-05	6.23E-05	1.39E-06	1.36E-05	2.31E-05	1.51E-06	1.43E-05	2.49E-05	1.80E-06	1.59E-05	2.89E-05	1.89E-06	1.77E-05	3.04E-05	1.54E-06	1.44E-05	2.52E-05
608	3.98E-06	3.85E-05	6.60E-05	3.88E-06	3.63E-05	6.23E-05	1.39E-06	1.35E-05	2.31E-05	1.51E-06	1.43E-05	2.49E-05	1.79E-06	1.59E-05	2.89E-05	1.89E-06	1.77E-05	3.02E-05	1.54E-06	1.44E-05	2.52E-05
609	3.98E-06	3.84E-05	6.60E-05	3.88E-06	3.63E-05	6.23E-05	1.39E-06	1.35E-05	2.31E-05	1.51E-06	1.43E-05	2.49E-05	1.79E-06	1.59E-05	2.88E-05	1.89E-06	1.77E-05	3.01E-05	1.53E-06	1.43E-05	2.51E-05
610	3.98E-06	3.84E-05	6.60E-05	3.87E-06	3.62E-05	6.19E-05	1.39E-06	1.35E-05	2.31E-05	1.51E-06	1.43E-05	2.49E-05	1.79E-06	1.59E-05	2.88E-05	1.89E-06	1.76E-05	3.01E-05	1.53E-06	1.43E-05	2.51E-05
611	3.98E-06	3.83E-05	6.59E-05	3.87E-06	3.62E-05	6.19E-05	1.39E-06	1.35E-05	2.30E-05	1.51E-06	1.43E-05	2.48E-05	1.79E-06	1.59E-05	2.88E-05	1.89E-06	1.76E-05	3.01E-05	1.53E-06	1.43E-05	2.50E-05
612	3.97E-06	3.83E-05	6.59E-05	3.86E-06	3.61E-05	6.19E-05	1.39E-06	1.34E-05	2.29E-05	1.51E-06	1.42E-05	2.48E-05	1.79E-06	1.59E-05	2.87E-05	1.89E-06	1.76E-05	3.01E-05	1.53E-06	1.43E-05	2.49E-05
613	3.96E-06	3.83E-05	6.59E-05	3.86E-06	3.61E-05	6.18E-05	1.39E-06	1.34E-05	2.29E-05	1.50E-06	1.42E-05	2.48E-05	1.79E-06	1.58E-05	2.87E-05	1.88E-06	1.76E-05	3.00E-05	1.53E-06	1.43E-05	2.49E-05
614	3.96E-06	3.82E-05	6.58E-05	3.85E-06	3.60E-05	6.16E-05	1.39E-06	1.34E-05	2.29E-05	1.50E-06	1.42E-05	2.48E-05	1.79E-06	1.58E-05	2.87E-05	1.88E-06	1.76E-05	3.00E-05	1.52E-06	1.43E-05	2.49E-05
615	3.96E-06	3.82E-05	6.57E-05	3.85E-06	3.60E-05	6.16E-05	1.38E-06	1.34E-05	2.29E-05	1.50E-06	1.42E-05	2.48E-05	1.79E-06	1.58E-05	2.87E-05	1.88E-06	1.76E-05	3.00E-05	1.52E-06	1.43E-05	2.48E-05
616	3.95E-06	3.81E-05	6.57E-05	3.85E-06	3.60E-05	6.16E-05	1.38E-06	1.34E-05	2.29E-05	1.50E-06	1.42E-05	2.48E-05	1.78E-06	1.58E-05	2.87E-05	1.88E-06	1.76E-05	3.00E-05	1.52E-06	1.42E-05	2.48E-05
617	3.95E-06	3.81E-05	6.56E-05	3.85E-06	3.59E-05	6.16E-05	1.38E-06	1.34E-05	2.29E-05	1.50E-06	1.42E-05	2.47E-05	1.78E-06	1.58E-05	2.87E-05	1.88E-06	1.75E-05	3.00E-05	1.51E-06	1.42E-05	2.47E-05
618	3.95E-06	3.81E-05	6.56E-05	3.85E-06	3.59E-05	6.15E-05	1.37E-06	1.33E-05	2.29E-05	1.50E-06	1.42E-05	2.47E-05	1.78E-06	1.58E-05	2.87E-05	1.88E-06	1.75E-05	2.99E-05	1.51E-06	1.42E-05	2.47E-05
619	3.94E-06	3.80E-05	6.55E-05	3.84E-06	3.59E-05	6.14E-05	1.37E-06	1.33E-05	2.28E-05	1.50E-06	1.41E-05	2.47E-05	1.78E-06	1.58E-05	2.87E-05	1.87E-06	1.75E-05	2.99E-05	1.51E-06	1.42E-05	2.47E-05
620	3.94E-06	3.79E-05	6.54E-05	3.84E-06	3.58E-05	6.14E-05	1.37E-06	1.33E-05	2.28E-05	1.49E-06	1.41E-05	2.46E-05	1.78E-06	1.57E-05	2.87E-05	1.87E-06	1.74E-05	2.99E-05	1.51E-06	1.41E-05	2.47E-05
621	3.93E-06	3.78E-05	6.54E-05	3.84E-06	3.58E-05	6.13E-05	1.36E-06	1.33E-05	2.28E-05	1.49E-06	1.41E-05	2.46E-05	1.78E-06	1.57E-05	2.87E-05	1.87E-06	1.74E-05	2.99E-05	1.50E-06	1.41E-05	2.46E-05
622	3.93E-06	3.78E-05	6.53E-05	3.84E-06	3.58E-05	6.13E-05	1.36E-06	1.33E-05	2.28E-05	1.49E-06	1.41E-05	2.46E-05	1.78E-06	1.57E-05	2.86E-05	1.87E-06	1.74E-05	2.99E-05	1.50E-06	1.41E-05	2.46E-05
623	3.93E-06	3.78E-05	6.53E-05	3.83E-06	3.58E-05	6.13E-05	1.36E-06	1.33E-05	2.28E-05	1.49E-06	1.41E-05	2.46E-05	1.77E-06	1.57E-05	2.86E-05	1.87E-06	1.74E-05	2.99E-05	1.50E-06	1.41E-05	2.46E-05
624	3.93E-06	3.78E-05	6.53E-05	3.83E-06	3.58E-05	6.10E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.41E-05	2.46E-05	1.77E-06	1.57E-05	2.86E-05	1.87E-06	1.74E-05	2.99E-05	1.50E-06	1.41E-05	2.46E-05
625	3.92E-06	3.78E-05	6.50E-05	3.82E-06	3.57E-05	6.10E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.41E-05	2.45E-05	1.77E-06	1.57E-05	2.86E-05	1.87E-06	1.73E-05	2.98E-05	1.50E-06	1.41E-05	2.46E-05
626	3.92E-06	3.77E-05	6.50E-05	3.81E-06	3.56E-05	6.10E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.40E-05	2.45E-05	1.77E-06	1.57E-05	2.86E-05	1.87E-06	1.73E-05	2.97E-05	1.50E-06	1.40E-05	2.46E-05
627	3.91E-06	3.77E-05	6.50E-05	3.81E-06	3.56E-05	6.09E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.40E-05	2.45E-05	1.76E-06	1.56E-05	2.85E-05	1.86E-06	1.73E-05	2.97E-05	1.49E-06	1.40E-05	2.45E-05
628	3.91E-06	3.77E-05	6.50E-05	3.81E-06	3.55E-05	6.09E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.40E-05	2.44E-05	1.76E-06	1.56E-05	2.85E-05	1.86E-06	1.73E-05	2.97E-05	1.49E-06	1.40E-05	2.45E-05
629	3.90E-06	3.77E-05	6.50E-05	3.80E-06	3.54E-05	6.08E-05	1.36E-06	1.33E-05	2.27E-05	1.49E-06	1.40E-05	2.44E-05	1.76E-06	1.56E-05	2.85E-05	1.86E-06	1.72E-05	2.96E-05	1.49E-06	1.40E-05	2.45E-05
630	3.90E-06	3.76E-05	6.49E-05	3.80E-06	3.54E-05	6.08E-05	1.35E-06	1.32E-05	2.26E-05	1.49E-06	1.40E-05	2.44E-05	1.76E-06	1.56E-05	2.85E-05	1.86E-06	1.72E-05	2.96E-05	1.48E-06	1.40E-05	2.45E-05
631	3.90E-06	3.76E-05	6.48E-05	3.80E-06	3.53E-05	6.07E-05	1.35E-06	1.32E-05	2.26E-05	1.49E-06	1.40E-05	2.44E-05	1.76E-06	1.55E-05	2.84E-05	1.85E-06	1.72E-05	2.96E-05	1.48E-06	1.40E-05	2.44E-05
632	3.89E-06	3.76E-05	6.48E-05	3.80E-06	3.52E-05	6.07E-05	1.35E-06	1.32E-05	2.25E-05	1.49E-06	1.40E-05	2.44E-05	1.76E-06	1.55E-05	2.84E-05	1.85E-06	1.72E-05	2.96E-05	1.48E-06	1.40E-05	2.44E-05
633	3.88E-06	3.75E-05	6.48E-05	3.79E-06	3.51E-05	6.07E-05	1.35E-06	1.32E-05	2.25E-05	1.48E-06	1.40E-05	2.43E-05	1.76E-06	1.55E-05	2.84E-05	1.85E-06	1.72E-05	2.95E-05	1.47E-06	1.40E-05	2.44E-05
634	3.88E-06	3.74E-05	6.47E-05	3.79E-06	3.51E-05	6.06E-05	1.35E-06	1.31E-05	2.25E-05	1.48E-06	1.39E-05	2.42E-05	1.75E-06	1.55E-05	2.84E-05	1.85E-06	1.72E-05	2.95E-05	1.47E-06	1.40E-05	2.44E-05
635	3.87E-06	3.74E-05	6.46E-05	3.79E-06	3.50E-05	6.04E-05	1.35E-06	1.31E-05	2.25E-05	1.48E-06	1.39E-05	2.42E-05	1.75E-06	1.55E-05	2.84E-05	1.85E-06	1.72E-05	2.95E-05	1.47E-06	1.40E-05	2.43E-05
636	3.87E-06	3.74E-05	6.45E-05	3.78E-06	3.50E-05	6.04E-05	1.34E-06	1.31E-05	2.25E-05	1.48E-06	1.39E-05	2.42E-05	1.75E-06	1.55E-05	2.84E-05	1.84E-06	1.72E-05	2.95E-05	1.47E-06	1.40E-05	2.43E-05
637	3.87E-06	3.73E-05	6.44E-05	3.78E-06	3.50E-05	6.03E-05	1.34E-06	1.31E-05	2.24E-05	1.48E-06	1.39E-05	2.42E-05	1.75E-06	1.55E-05	2.83E-05	1.84E-06	1.72E-05	2.93E-05	1.47E-06	1.40E-05	2.43E-05
638	3.87E-06	3.71E-05	6.43E-05	3.78E-06	3.50E-05	6.03E-05	1.34E-06	1.31E-05	2.24E-05	1.48E-06	1.39E-05	2.41E-05	1.75E-06	1.55E-05	2.83E-05	1.84E-06	1.71E-05	2.93E-05	1.46E-06	1.40E-05	2.43E-05
639	3.86E-06	3.71E-05	6.42E-05	3.78E-06	3.50E-05	6.03E-05	1.34E-06	1.31E-05	2.24E-05	1.48E-06	1.39E-05	2.41E-05	1.75E-06	1.55E-05	2.82E-05	1.84E-06	1.71E-05	2.93E-05	1.46E-06	1.40E-05	2.43E-05
640	3.86E-06	3.71E-05	6.41E-05	3.77E-06	3.49E-05	6.02E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
660	3.76E-06	3.62E-05	6.30E-05	3.71E-06	3.43E-05	5.90E-05	1.31E-06	1.28E-05	2.17E-05	1.45E-06	1.35E-05	2.37E-05	1.72E-06	1.53E-05	2.75E-05	1.82E-06	1.67E-05	2.88E-05	1.43E-06	1.37E-05	2.38E-05
661	3.76E-06	3.62E-05	6.29E-05	3.70E-06	3.43E-05	5.89E-05	1.31E-06	1.28E-05	2.17E-05	1.44E-06	1.35E-05	2.37E-05	1.72E-06	1.53E-05	2.75E-05	1.82E-06	1.67E-05	2.88E-05	1.43E-06	1.37E-05	2.38E-05
662	3.76E-06	3.62E-05	6.28E-05	3.70E-06	3.43E-05	5.89E-05	1.31E-06	1.28E-05	2.17E-05	1.44E-06	1.35E-05	2.36E-05	1.72E-06	1.53E-05	2.75E-05	1.81E-06	1.66E-05	2.87E-05	1.43E-06	1.36E-05	2.38E-05
663	3.76E-06	3.62E-05	6.28E-05	3.70E-06	3.43E-05	5.88E-05	1.31E-06	1.28E-05	2.17E-05	1.44E-06	1.35E-05	2.36E-05	1.72E-06	1.53E-05	2.75E-05	1.81E-06	1.66E-05	2.87E-05	1.43E-06	1.36E-05	2.38E-05
664	3.76E-06	3.61E-05	6.28E-05	3.70E-06	3.43E-05	5.88E-05	1.31E-06	1.28E-05	2.17E-05	1.44E-06	1.35E-05	2.36E-05	1.72E-06	1.53E-05	2.75E-05	1.81E-06	1.66E-05	2.87E-05	1.42E-06	1.36E-05	2.38E-05
665	3.76E-06	3.61E-05	6.27E-05	3.68E-06	3.43E-05	5.88E-05	1.30E-06	1.27E-05	2.16E-05	1.44E-06	1.35E-05	2.36E-05	1.71E-06	1.53E-05	2.75E-05	1.81E-06	1.66E-05	2.87E-05	1.42E-06	1.36E-05	2.37E-05
666	3.76E-06	3.61E-05	6.27E-05	3.67E-06	3.43E-05	5.87E-05	1.30E-06	1.27E-05	2.16E-05	1.44E-06	1.35E-05	2.36E-05	1.71E-06	1.51E-05	2.75E-05	1.81E-06	1.66E-05	2.86E-05	1.42E-06	1.36E-05	2.37E-05
667	3.76E-06	3.61E-05	6.26E-05	3.66E-06	3.43E-05	5.84E-05	1.30E-06	1.27E-05	2.16E-05	1.44E-06	1.35E-05	2.35E-05	1.71E-06	1.51E-05	2.75E-05	1.80E-06	1.65E-05	2.86E-05	1.42E-06	1.35E-05	2.37E-05
668	3.75E-06	3.61E-05	6.24E-05	3.66E-06	3.42E-05	5.84E-05	1.30E-06	1.27E-05	2.15E-05	1.44E-06	1.34E-05	2.35E-05	1.71E-06	1.51E-05	2.74E-05	1.80E-06	1.65E-05	2.86E-05	1.42E-06	1.35E-05	2.37E-05
669	3.75E-06	3.60E-05	6.23E-05	3.66E-06	3.42E-05	5.84E-05	1.30E-06	1.27E-05	2.15E-05	1.44E-06	1.34E-05	2.34E-05	1.71E-06	1.51E-05	2.73E-05	1.80E-06	1.65E-05	2.86E-05	1.42E-06	1.35E-05	2.36E-05
670	3.75E-06	3.60E-05	6.21E-05	3.66E-06	3.41E-05	5.83E-05	1.30E-06	1.27E-05	2.15E-05	1.43E-06	1.34E-05	2.34E-05	1.71E-06	1.51E-05	2.73E-05	1.80E-06	1.65E-05	2.85E-05	1.42E-06	1.35E-05	2.36E-05
671	3.75E-06	3.60E-05	6.20E-05	3.66E-06	3.41E-05	5.83E-05	1.30E-06	1.27E-05	2.14E-05	1.43E-06	1.34E-05	2.34E-05	1.70E-06	1.51E-05	2.73E-05	1.80E-06	1.65E-05	2.85E-05	1.42E-06	1.35E-05	2.36E-05
672	3.75E-06	3.59E-05	6.20E-05	3.66E-06	3.41E-05	5.83E-05	1.30E-06	1.27E-05	2.14E-05	1.43E-06	1.34E-05	2.34E-05	1.70E-06	1.51E-05	2.72E-05	1.80E-06	1.65E-05	2.85E-05	1.42E-06	1.35E-05	2.36E-05
673	3.74E-06	3.58E-05	6.19E-05	3.65E-06	3.41E-05	5.82E-05	1.29E-06	1.27E-05	2.14E-05	1.43E-06	1.34E-05	2.34E-05	1.70E-06	1.51E-05	2.72E-05	1.80E-06	1.65E-05	2.85E-05	1.42E-06	1.35E-05	2.36E-05
674	3.74E-06	3.58E-05	6.18E-05	3.65E-06	3.40E-05	5.81E-05	1.29E-06	1.27E-05	2.14E-05	1.43E-06	1.34E-05	2.34E-05	1.70E-06	1.51E-05	2.72E-05	1.80E-06	1.65E-05	2.84E-05	1.41E-06	1.35E-05	2.35E-05
675	3.74E-06	3.58E-05	6.18E-05	3.64E-06	3.40E-05	5.81E-05	1.29E-06	1.26E-05	2.14E-05	1.43E-06	1.33E-05	2.34E-05	1.70E-06	1.50E-05	2.72E-05	1.79E-06	1.65E-05	2.84E-05	1.41E-06	1.34E-05	2.34E-05
676	3.74E-06	3.57E-05	6.17E-05	3.64E-06	3.40E-05	5.81E-05	1.29E-06	1.26E-05	2.13E-05	1.43E-06	1.33E-05	2.33E-05	1.70E-06	1.50E-05	2.72E-05	1.79E-06	1.65E-05	2.83E-05	1.41E-06	1.34E-05	2.34E-05
677	3.73E-06	3.57E-05	6.17E-05	3.63E-06	3.40E-05	5.81E-05	1.29E-06	1.26E-05	2.13E-05	1.42E-06	1.33E-05	2.33E-05	1.69E-06	1.50E-05	2.72E-05	1.79E-06	1.64E-05	2.83E-05	1.41E-06	1.34E-05	2.34E-05
678	3.73E-06	3.57E-05	6.15E-05	3.62E-06	3.40E-05	5.80E-05	1.29E-06	1.26E-05	2.13E-05	1.42E-06	1.33E-05	2.33E-05	1.69E-06	1.50E-05	2.71E-05	1.79E-06	1.64E-05	2.83E-05	1.41E-06	1.34E-05	2.33E-05
679	3.72E-06	3.57E-05	6.14E-05	3.62E-06	3.39E-05	5.80E-05	1.29E-06	1.25E-05	2.13E-05	1.42E-06	1.33E-05	2.33E-05	1.69E-06	1.50E-05	2.71E-05	1.79E-06	1.64E-05	2.83E-05	1.41E-06	1.34E-05	2.33E-05
680	3.72E-06	3.57E-05	6.14E-05	3.61E-06	3.39E-05	5.78E-05	1.29E-06	1.25E-05	2.13E-05	1.42E-06	1.33E-05	2.32E-05	1.68E-06	1.50E-05	2.71E-05	1.79E-06	1.64E-05	2.82E-05	1.41E-06	1.34E-05	2.33E-05
681	3.72E-06	3.56E-05	6.14E-05	3.61E-06	3.39E-05	5.78E-05	1.29E-06	1.25E-05	2.13E-05	1.42E-06	1.33E-05	2.32E-05	1.68E-06	1.50E-05	2.71E-05	1.79E-06	1.64E-05	2.81E-05	1.41E-06	1.34E-05	2.33E-05
682	3.71E-06	3.56E-05	6.14E-05	3.60E-06	3.39E-05	5.78E-05	1.29E-06	1.24E-05	2.12E-05	1.42E-06	1.33E-05	2.32E-05	1.68E-06	1.50E-05	2.71E-05	1.79E-06	1.64E-05	2.81E-05	1.40E-06	1.34E-05	2.33E-05
683	3.71E-06	3.56E-05	6.12E-05	3.60E-06	3.38E-05	5.78E-05	1.29E-06	1.24E-05	2.12E-05	1.42E-06	1.32E-05	2.32E-05	1.68E-06	1.49E-05	2.70E-05	1.79E-06	1.64E-05	2.81E-05	1.40E-06	1.34E-05	2.32E-05
684	3.71E-06	3.55E-05	6.11E-05	3.60E-06	3.38E-05	5.78E-05	1.29E-06	1.24E-05	2.12E-05	1.41E-06	1.32E-05	2.32E-05	1.68E-06	1.49E-05	2.70E-05	1.78E-06	1.64E-05	2.80E-05	1.40E-06	1.33E-05	2.32E-05
685	3.70E-06	3.55E-05	6.11E-05	3.60E-06	3.38E-05	5.77E-05	1.29E-06	1.24E-05	2.12E-05	1.41E-06	1.32E-05	2.32E-05	1.67E-06	1.49E-05	2.70E-05	1.78E-06	1.64E-05	2.80E-05	1.40E-06	1.33E-05	2.32E-05
686	3.70E-06	3.55E-05	6.10E-05	3.60E-06	3.37E-05	5.77E-05	1.29E-06	1.23E-05	2.11E-05	1.41E-06	1.32E-05	2.32E-05	1.67E-06	1.49E-05	2.70E-05	1.78E-06	1.64E-05	2.80E-05	1.40E-06	1.33E-05	2.32E-05
687	3.70E-06	3.55E-05	6.10E-05	3.60E-06	3.37E-05	5.76E-05	1.28E-06	1.23E-05	2.11E-05	1.40E-06	1.32E-05	2.32E-05	1.67E-06	1.49E-05	2.70E-05	1.78E-06	1.64E-05	2.80E-05	1.40E-06	1.33E-05	2.31E-05
688	3.69E-06	3.55E-05	6.10E-05	3.60E-06	3.36E-05	5.76E-05	1.28E-06	1.23E-05	2.11E-05	1.40E-06	1.32E-05	2.31E-05	1.67E-06	1.49E-05	2.70E-05	1.77E-06	1.64E-05	2.79E-05	1.39E-06	1.33E-05	2.31E-05
689	3.68E-06	3.55E-05	6.10E-05	3.59E-06	3.35E-05	5.75E-05	1.28E-06	1.23E-05	2.11E-05	1.40E-06	1.32E-05	2.31E-05	1.67E-06	1.48E-05	2.69E-05	1.77E-06	1.63E-05	2.79E-05	1.39E-06	1.33E-05	2.31E-05
690	3.68E-06	3.54E-05	6.10E-05	3.59E-06	3.35E-05	5.75E-05	1.28E-06	1.23E-05	2.11E-05	1.40E-06	1.32E-05	2.31E-05	1.67E-06	1.48E-05	2.69E-05	1.77E-06	1.63E-05	2.79E-05	1.39E-06	1.33E-05	2.31E-05
691	3.68E-06	3.54E-05	6.09E-05	3.59E-06	3.34E-05	5.75E-05	1.28E-06	1.23E-05	2.11E-05	1.40E-06	1.31E-05	2.31E-05	1.67E-06	1.48E-05	2.69E-05	1.77E-06	1.63E-05	2.79E-05	1.39E-06	1.33E-05	2.31E-05
692	3.68E-06	3.54E-05	6.09E-05	3.59E-06	3.34E-05	5.75E-05	1.28E-06	1.23E-05	2.10E-05	1.40E-06	1.31E-05	2.31E-05	1.67E-06	1.48E-05	2.69E-05	1.76E-06	1.63E-05	2.78E-05	1.39E-06	1.33E-05	2.31E-05
693	3.67E-06	3.53E-05	6.08E-05	3.58E-06	3.34E-05	5.74E-05	1.28E-06	1.23E-05	2.10E-05	1.40E-06	1.31E-05	2.31E-05	1.66E-06	1.48E-05	2.69E-05	1.76E-06	1.63E-05	2.78E-05	1.39E-06	1.33E-05	2.31E-05
694	3.67E-06	3.53E-05	6.08E-05	3.57E-06	3.34E-05	5.74E-05	1.28E-06	1.23E-05	2.10E-05	1.40E-06	1.31E-05	2.31E-05	1.66E-06	1.47E-05	2.69E-05	1.76E-06	1.63E-05	2.77E-05	1.39E-06	1.32E-05	2.30E-05
695	3.66E-06	3.52E-05	6.07E-05	3.57E-06	3.34E-05	5.73E-05	1.28E-06	1.23E-05	2.10E-05	1.39E-06	1.31E-05	2.31E-05	1.66E-06	1.47E-05	2.69E-05	1.76E-06	1.63E-05	2.77E-05	1.39E-06	1.32E-05	2.30E-05
696	3.66E-06	3.51E-05	6.06E-05	3.55E-06	3.34E-05	5.73E-05	1.28E-06	1.23E-05	2.09E-05	1.39E-06	1.31E-05	2.31E-05	1.66E-06	1.46E-05	2.68E-05	1.76E-06	1.63E-05	2.77E-05	1.39E-06	1.32E-05	2.30E-05
697	3.66E-06	3.51E-05	6.06E-05	3.55E-06	3.33E-05	5.71E-05	1.28E-06	1.22E-05	2.09E-05	1.39E-06	1.31E-05	2.31E-05	1.66E-06	1.46E-05	2.68E-05	1.76E-06	1.63E-05	2.77E-05	1.39E-06	1.32E-05	2.30E-05
698	3.66E-06	3.50E-05	6.06E-05	3.55E-06	3.33E-05	5.70E-05	1.28E-06	1.22E-05	2.08E-05	1.39E-06	1.31E-05	2.30E-05	1.66E-06	1.46E-05	2.68E-05	1.76E-06	1.63E-05	2.77E-05	1.39E-06	1.32E-05	2.29E-05
699	3.66E-06	3.50E-05	6.05E-05	3.54E-06	3.33E-05	5.70E-05	1.27E-06	1.22E-05	2.08E-05	1.39E-06	1.31E-05	2.30E-05	1.65E-06	1.46E-05	2.67E-05	1.76E-06	1.63E-05	2.77E-05	1.38E-06	1.32E-05	2.29E-05
700	3.65E-06	3.50E-05	6.04E-05	3.54E-06	3.33E-05	5.70E-05	1.27E-06	1.22E-05	2.08E-05	1.39E-06	1.31E-05	2.29E-05	1.65E-06	1.46E-05	2.67E-05	1.76E-06	1.63E-05	2.76E-05	1.38E-06	1.32E-05	2.29E-05
701	3.65E-06	3.49E-05	6.04E-05	3.53E-06	3.33E-05	5.70E-05	1.27E-06	1.22E-05	2.08E-05	1.38E-06	1.31E-05	2.29E-05	1.65E-06	1.46E-05	2.66E-05	1.76E-06	1.63E-05	2.76E-05	1.38E-06	1.32E-05	2.28E-05
702	3.64E-06	3.49E-05	6.04E-05	3.53E-06	3.32E-05	5.69E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
722	3.58E-06	3.45E-05	5.95E-05	3.46E-06	3.23E-05	5.60E-05	1.25E-06	1.19E-05	2.05E-05	1.35E-06	1.28E-05	2.25E-05	1.63E-06	1.43E-05	2.61E-05	1.72E-06	1.60E-05	2.72E-05	1.35E-06	1.29E-05	2.23E-05
723	3.58E-06	3.45E-05	5.95E-05	3.45E-06	3.23E-05	5.59E-05	1.25E-06	1.19E-05	2.05E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.61E-05	1.72E-06	1.60E-05	2.72E-05	1.35E-06	1.29E-05	2.23E-05
724	3.57E-06	3.45E-05	5.95E-05	3.45E-06	3.22E-05	5.59E-05	1.25E-06	1.19E-05	2.05E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.61E-05	1.72E-06	1.60E-05	2.72E-05	1.35E-06	1.29E-05	2.23E-05
725	3.57E-06	3.45E-05	5.94E-05	3.45E-06	3.22E-05	5.59E-05	1.25E-06	1.19E-05	2.04E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.61E-05	1.72E-06	1.60E-05	2.72E-05	1.35E-06	1.28E-05	2.23E-05
726	3.57E-06	3.44E-05	5.94E-05	3.45E-06	3.22E-05	5.58E-05	1.25E-06	1.19E-05	2.04E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.60E-05	1.72E-06	1.59E-05	2.72E-05	1.35E-06	1.28E-05	2.23E-05
727	3.57E-06	3.43E-05	5.93E-05	3.44E-06	3.21E-05	5.58E-05	1.25E-06	1.19E-05	2.04E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.60E-05	1.72E-06	1.59E-05	2.71E-05	1.35E-06	1.28E-05	2.23E-05
728	3.57E-06	3.43E-05	5.93E-05	3.44E-06	3.21E-05	5.58E-05	1.25E-06	1.18E-05	2.04E-05	1.35E-06	1.28E-05	2.24E-05	1.62E-06	1.43E-05	2.60E-05	1.72E-06	1.59E-05	2.71E-05	1.34E-06	1.28E-05	2.23E-05
729	3.56E-06	3.42E-05	5.91E-05	3.44E-06	3.21E-05	5.57E-05	1.25E-06	1.18E-05	2.04E-05	1.34E-06	1.28E-05	2.24E-05	1.62E-06	1.42E-05	2.60E-05	1.71E-06	1.59E-05	2.71E-05	1.34E-06	1.28E-05	2.22E-05
730	3.56E-06	3.42E-05	5.91E-05	3.44E-06	3.21E-05	5.57E-05	1.25E-06	1.18E-05	2.04E-05	1.34E-06	1.28E-05	2.23E-05	1.62E-06	1.42E-05	2.60E-05	1.71E-06	1.58E-05	2.71E-05	1.34E-06	1.28E-05	2.22E-05
731	3.56E-06	3.42E-05	5.91E-05	3.43E-06	3.20E-05	5.56E-05	1.25E-06	1.18E-05	2.04E-05	1.34E-06	1.28E-05	2.23E-05	1.62E-06	1.42E-05	2.59E-05	1.71E-06	1.58E-05	2.71E-05	1.34E-06	1.28E-05	2.22E-05
732	3.56E-06	3.42E-05	5.91E-05	3.43E-06	3.20E-05	5.56E-05	1.25E-06	1.18E-05	2.03E-05	1.34E-06	1.28E-05	2.23E-05	1.61E-06	1.42E-05	2.59E-05	1.71E-06	1.58E-05	2.71E-05	1.34E-06	1.28E-05	2.22E-05
733	3.56E-06	3.41E-05	5.90E-05	3.43E-06	3.20E-05	5.56E-05	1.24E-06	1.18E-05	2.03E-05	1.34E-06	1.28E-05	2.23E-05	1.61E-06	1.42E-05	2.59E-05	1.71E-06	1.58E-05	2.71E-05	1.34E-06	1.28E-05	2.22E-05
734	3.55E-06	3.41E-05	5.89E-05	3.43E-06	3.20E-05	5.56E-05	1.24E-06	1.18E-05	2.03E-05	1.34E-06	1.27E-05	2.22E-05	1.61E-06	1.42E-05	2.58E-05	1.71E-06	1.57E-05	2.70E-05	1.34E-06	1.28E-05	2.22E-05
735	3.55E-06	3.41E-05	5.88E-05	3.43E-06	3.20E-05	5.56E-05	1.24E-06	1.18E-05	2.03E-05	1.34E-06	1.27E-05	2.22E-05	1.61E-06	1.42E-05	2.58E-05	1.71E-06	1.57E-05	2.70E-05	1.34E-06	1.28E-05	2.21E-05
736	3.55E-06	3.41E-05	5.87E-05	3.43E-06	3.19E-05	5.55E-05	1.24E-06	1.18E-05	2.03E-05	1.34E-06	1.27E-05	2.22E-05	1.61E-06	1.42E-05	2.57E-05	1.71E-06	1.57E-05	2.69E-05	1.34E-06	1.28E-05	2.21E-05
737	3.54E-06	3.41E-05	5.86E-05	3.42E-06	3.19E-05	5.55E-05	1.24E-06	1.17E-05	2.03E-05	1.34E-06	1.27E-05	2.22E-05	1.61E-06	1.42E-05	2.57E-05	1.71E-06	1.57E-05	2.69E-05	1.33E-06	1.27E-05	2.21E-05
738	3.54E-06	3.40E-05	5.85E-05	3.42E-06	3.19E-05	5.55E-05	1.24E-06	1.17E-05	2.03E-05	1.33E-06	1.27E-05	2.22E-05	1.61E-06	1.41E-05	2.57E-05	1.70E-06	1.56E-05	2.69E-05	1.33E-06	1.27E-05	2.20E-05
739	3.54E-06	3.40E-05	5.84E-05	3.42E-06	3.19E-05	5.55E-05	1.24E-06	1.17E-05	2.03E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.56E-05	1.70E-06	1.56E-05	2.68E-05	1.33E-06	1.27E-05	2.20E-05
740	3.54E-06	3.40E-05	5.84E-05	3.42E-06	3.18E-05	5.55E-05	1.24E-06	1.17E-05	2.02E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.56E-05	1.70E-06	1.56E-05	2.68E-05	1.33E-06	1.27E-05	2.20E-05
741	3.54E-06	3.40E-05	5.84E-05	3.40E-06	3.18E-05	5.54E-05	1.23E-06	1.17E-05	2.02E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.56E-05	1.70E-06	1.56E-05	2.68E-05	1.33E-06	1.27E-05	2.20E-05
742	3.52E-06	3.40E-05	5.84E-05	3.39E-06	3.18E-05	5.54E-05	1.23E-06	1.17E-05	2.02E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.56E-05	1.70E-06	1.56E-05	2.68E-05	1.33E-06	1.27E-05	2.20E-05
743	3.52E-06	3.39E-05	5.83E-05	3.38E-06	3.18E-05	5.54E-05	1.23E-06	1.16E-05	2.02E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.56E-05	1.69E-06	1.56E-05	2.68E-05	1.33E-06	1.27E-05	2.20E-05
744	3.52E-06	3.39E-05	5.83E-05	3.38E-06	3.17E-05	5.54E-05	1.23E-06	1.16E-05	2.02E-05	1.33E-06	1.27E-05	2.21E-05	1.61E-06	1.41E-05	2.55E-05	1.69E-06	1.55E-05	2.68E-05	1.33E-06	1.26E-05	2.20E-05
745	3.51E-06	3.39E-05	5.83E-05	3.38E-06	3.15E-05	5.53E-05	1.23E-06	1.16E-05	2.02E-05	1.33E-06	1.26E-05	2.21E-05	1.61E-06	1.41E-05	2.55E-05	1.69E-06	1.55E-05	2.68E-05	1.33E-06	1.26E-05	2.20E-05
746	3.51E-06	3.39E-05	5.83E-05	3.38E-06	3.15E-05	5.53E-05	1.23E-06	1.16E-05	2.02E-05	1.33E-06	1.26E-05	2.21E-05	1.60E-06	1.41E-05	2.55E-05	1.69E-06	1.55E-05	2.68E-05	1.33E-06	1.26E-05	2.20E-05
747	3.51E-06	3.38E-05	5.83E-05	3.37E-06	3.15E-05	5.53E-05	1.23E-06	1.16E-05	2.02E-05	1.33E-06	1.26E-05	2.21E-05	1.60E-06	1.41E-05	2.55E-05	1.69E-06	1.55E-05	2.68E-05	1.33E-06	1.26E-05	2.19E-05
748	3.51E-06	3.38E-05	5.82E-05	3.37E-06	3.15E-05	5.52E-05	1.23E-06	1.16E-05	2.01E-05	1.32E-06	1.26E-05	2.21E-05	1.60E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.67E-05	1.33E-06	1.26E-05	2.19E-05
749	3.50E-06	3.38E-05	5.81E-05	3.37E-06	3.15E-05	5.50E-05	1.22E-06	1.16E-05	2.01E-05	1.32E-06	1.26E-05	2.20E-05	1.60E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.67E-05	1.33E-06	1.26E-05	2.19E-05
750	3.50E-06	3.37E-05	5.81E-05	3.37E-06	3.14E-05	5.49E-05	1.22E-06	1.16E-05	2.01E-05	1.32E-06	1.26E-05	2.20E-05	1.60E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.67E-05	1.33E-06	1.26E-05	2.19E-05
751	3.50E-06	3.37E-05	5.81E-05	3.37E-06	3.14E-05	5.48E-05	1.22E-06	1.16E-05	2.01E-05	1.32E-06	1.26E-05	2.20E-05	1.59E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.67E-05	1.33E-06	1.26E-05	2.18E-05
752	3.49E-06	3.37E-05	5.81E-05	3.36E-06	3.14E-05	5.48E-05	1.22E-06	1.16E-05	2.01E-05	1.32E-06	1.25E-05	2.20E-05	1.59E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.66E-05	1.33E-06	1.26E-05	2.18E-05
753	3.49E-06	3.37E-05	5.81E-05	3.36E-06	3.14E-05	5.47E-05	1.22E-06	1.16E-05	2.00E-05	1.32E-06	1.25E-05	2.20E-05	1.59E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.66E-05	1.33E-06	1.25E-05	2.18E-05
754	3.49E-06	3.36E-05	5.80E-05	3.36E-06	3.13E-05	5.46E-05	1.22E-06	1.16E-05	2.00E-05	1.32E-06	1.25E-05	2.19E-05	1.59E-06	1.40E-05	2.55E-05	1.68E-06	1.55E-05	2.66E-05	1.32E-06	1.25E-05	2.18E-05
755	3.48E-06	3.36E-05	5.80E-05	3.36E-06	3.13E-05	5.45E-05	1.22E-06	1.16E-05	2.00E-05	1.32E-06	1.25E-05	2.19E-05	1.59E-06	1.40E-05	2.54E-05	1.68E-06	1.55E-05	2.66E-05	1.32E-06	1.25E-05	2.18E-05
756	3.48E-06	3.36E-05	5.79E-05	3.36E-06	3.12E-05	5.45E-05	1.22E-06	1.16E-05	2.00E-05	1.31E-06	1.25E-05	2.19E-05	1.59E-06	1.39E-05	2.54E-05	1.68E-06	1.55E-05	2.66E-05	1.32E-06	1.25E-05	2.18E-05
757	3.48E-06	3.36E-05	5.79E-05	3.36E-06	3.12E-05	5.45E-05	1.22E-06	1.15E-05	2.00E-05	1.31E-06	1.25E-05	2.19E-05	1.59E-06	1.39E-05	2.54E-05	1.68E-06	1.55E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
758	3.47E-06	3.35E-05	5.78E-05	3.36E-06	3.12E-05	5.45E-05	1.22E-06	1.15E-05	1.99E-05	1.31E-06	1.25E-05	2.19E-05	1.59E-06	1.39E-05	2.54E-05	1.68E-06	1.54E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
759	3.47E-06	3.34E-05	5.78E-05	3.36E-06	3.12E-05	5.44E-05	1.22E-06	1.15E-05	1.99E-05	1.31E-06	1.25E-05	2.19E-05	1.59E-06	1.39E-05	2.53E-05	1.68E-06	1.54E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
760	3.47E-06	3.34E-05	5.78E-05	3.35E-06	3.11E-05	5.44E-05	1.22E-06	1.15E-05	1.99E-05	1.31E-06	1.25E-05	2.19E-05	1.58E-06	1.39E-05	2.53E-05	1.68E-06	1.54E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
761	3.46E-06	3.34E-05	5.77E-05	3.34E-06	3.11E-05	5.44E-05	1.22E-06	1.15E-05	1.99E-05	1.31E-06	1.25E-05	2.19E-05	1.58E-06	1.39E-05	2.53E-05	1.67E-06	1.54E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
762	3.46E-06	3.34E-05	5.76E-05	3.34E-06	3.11E-05	5.42E-05	1.22E-06	1.15E-05	1.99E-05	1.31E-06	1.24E-05	2.18E-05	1.58E-06	1.39E-05	2.53E-05	1.67E-06	1.53E-05	2.65E-05	1.32E-06	1.24E-05	2.17E-05
763	3.45E-06	3.34E-05	5.74E-05	3.34E-06	3.11E-05	5.42E-05	1.22E-06	1.15E-05	1.98E-05	1.31E-06	1.24E-05	2.18E-05	1.58E-06	1.38E-05	2.53E-05	1.67E-06	1.53E-05	2.65E-05	1.32E-06	1.24E-05	2.16E-05
764	3.45E-06	3.33E-05	5.74E-05	3.33E-06	3.11E-05	5.42E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
784	3.40E-06	3.28E-05	5.66E-05	3.26E-06	3.06E-05	5.34E-05	1.19E-06	1.13E-05	1.94E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.36E-05	2.47E-05	1.63E-06	1.50E-05	2.61E-05	1.29E-06	1.21E-05	2.13E-05
785	3.40E-06	3.28E-05	5.66E-05	3.26E-06	3.06E-05	5.33E-05	1.19E-06	1.13E-05	1.94E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.36E-05	2.46E-05	1.63E-06	1.50E-05	2.60E-05	1.29E-06	1.21E-05	2.12E-05
786	3.40E-06	3.28E-05	5.66E-05	3.26E-06	3.06E-05	5.33E-05	1.19E-06	1.13E-05	1.94E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.36E-05	2.46E-05	1.63E-06	1.50E-05	2.60E-05	1.29E-06	1.21E-05	2.12E-05
787	3.40E-06	3.26E-05	5.65E-05	3.26E-06	3.05E-05	5.33E-05	1.19E-06	1.13E-05	1.94E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.36E-05	2.46E-05	1.63E-06	1.50E-05	2.60E-05	1.29E-06	1.21E-05	2.12E-05
788	3.39E-06	3.26E-05	5.64E-05	3.26E-06	3.05E-05	5.32E-05	1.19E-06	1.13E-05	1.94E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.35E-05	2.46E-05	1.63E-06	1.50E-05	2.59E-05	1.29E-06	1.21E-05	2.12E-05
789	3.39E-06	3.26E-05	5.64E-05	3.26E-06	3.05E-05	5.32E-05	1.19E-06	1.13E-05	1.93E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.35E-05	2.46E-05	1.63E-06	1.49E-05	2.59E-05	1.29E-06	1.21E-05	2.12E-05
790	3.39E-06	3.26E-05	5.63E-05	3.25E-06	3.04E-05	5.32E-05	1.19E-06	1.12E-05	1.93E-05	1.29E-06	1.22E-05	2.14E-05	1.55E-06	1.35E-05	2.46E-05	1.63E-06	1.49E-05	2.58E-05	1.29E-06	1.21E-05	2.12E-05
791	3.39E-06	3.25E-05	5.63E-05	3.25E-06	3.04E-05	5.31E-05	1.19E-06	1.12E-05	1.93E-05	1.29E-06	1.22E-05	2.13E-05	1.55E-06	1.35E-05	2.46E-05	1.62E-06	1.49E-05	2.58E-05	1.28E-06	1.20E-05	2.12E-05
792	3.39E-06	3.25E-05	5.63E-05	3.25E-06	3.03E-05	5.30E-05	1.19E-06	1.12E-05	1.93E-05	1.28E-06	1.22E-05	2.13E-05	1.55E-06	1.35E-05	2.45E-05	1.62E-06	1.49E-05	2.58E-05	1.28E-06	1.20E-05	2.11E-05
793	3.38E-06	3.25E-05	5.60E-05	3.25E-06	3.03E-05	5.30E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.22E-05	2.13E-05	1.54E-06	1.35E-05	2.45E-05	1.62E-06	1.49E-05	2.57E-05	1.28E-06	1.20E-05	2.11E-05
794	3.38E-06	3.25E-05	5.59E-05	3.24E-06	3.03E-05	5.30E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.22E-05	2.13E-05	1.54E-06	1.35E-05	2.45E-05	1.62E-06	1.49E-05	2.57E-05	1.28E-06	1.20E-05	2.11E-05
795	3.38E-06	3.25E-05	5.59E-05	3.24E-06	3.03E-05	5.30E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.22E-05	2.13E-05	1.54E-06	1.35E-05	2.45E-05	1.62E-06	1.49E-05	2.57E-05	1.28E-06	1.20E-05	2.11E-05
796	3.38E-06	3.24E-05	5.59E-05	3.24E-06	3.03E-05	5.30E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.21E-05	2.13E-05	1.54E-06	1.35E-05	2.44E-05	1.62E-06	1.49E-05	2.57E-05	1.28E-06	1.20E-05	2.11E-05
797	3.38E-06	3.24E-05	5.58E-05	3.24E-06	3.03E-05	5.30E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.21E-05	2.13E-05	1.54E-06	1.35E-05	2.44E-05	1.61E-06	1.49E-05	2.56E-05	1.28E-06	1.20E-05	2.11E-05
798	3.38E-06	3.24E-05	5.58E-05	3.23E-06	3.03E-05	5.29E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.21E-05	2.13E-05	1.54E-06	1.35E-05	2.44E-05	1.61E-06	1.49E-05	2.56E-05	1.27E-06	1.20E-05	2.11E-05
799	3.37E-06	3.23E-05	5.58E-05	3.23E-06	3.02E-05	5.29E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.21E-05	2.12E-05	1.54E-06	1.34E-05	2.44E-05	1.61E-06	1.48E-05	2.56E-05	1.27E-06	1.20E-05	2.11E-05
800	3.37E-06	3.23E-05	5.58E-05	3.23E-06	3.02E-05	5.29E-05	1.18E-06	1.12E-05	1.92E-05	1.28E-06	1.21E-05	2.12E-05	1.54E-06	1.34E-05	2.44E-05	1.61E-06	1.48E-05	2.56E-05	1.27E-06	1.20E-05	2.10E-05
801	3.36E-06	3.23E-05	5.57E-05	3.23E-06	3.02E-05	5.28E-05	1.18E-06	1.11E-05	1.92E-05	1.28E-06	1.21E-05	2.12E-05	1.54E-06	1.34E-05	2.44E-05	1.61E-06	1.48E-05	2.56E-05	1.27E-06	1.19E-05	2.10E-05
802	3.36E-06	3.23E-05	5.57E-05	3.23E-06	3.02E-05	5.28E-05	1.18E-06	1.11E-05	1.92E-05	1.27E-06	1.21E-05	2.12E-05	1.54E-06	1.34E-05	2.44E-05	1.61E-06	1.47E-05	2.56E-05	1.27E-06	1.19E-05	2.10E-05
803	3.36E-06	3.22E-05	5.57E-05	3.22E-06	3.02E-05	5.28E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.21E-05	2.12E-05	1.54E-06	1.34E-05	2.43E-05	1.61E-06	1.47E-05	2.55E-05	1.27E-06	1.19E-05	2.10E-05
804	3.36E-06	3.22E-05	5.56E-05	3.22E-06	3.01E-05	5.27E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.21E-05	2.12E-05	1.53E-06	1.34E-05	2.43E-05	1.60E-06	1.47E-05	2.55E-05	1.27E-06	1.19E-05	2.10E-05
805	3.36E-06	3.22E-05	5.56E-05	3.22E-06	3.01E-05	5.27E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.20E-05	2.11E-05	1.53E-06	1.33E-05	2.43E-05	1.60E-06	1.47E-05	2.55E-05	1.27E-06	1.19E-05	2.09E-05
806	3.36E-06	3.21E-05	5.56E-05	3.22E-06	3.01E-05	5.27E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.20E-05	2.11E-05	1.53E-06	1.33E-05	2.42E-05	1.60E-06	1.47E-05	2.54E-05	1.27E-06	1.19E-05	2.09E-05
807	3.35E-06	3.21E-05	5.55E-05	3.22E-06	3.00E-05	5.26E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.20E-05	2.11E-05	1.53E-06	1.33E-05	2.42E-05	1.60E-06	1.47E-05	2.54E-05	1.27E-06	1.18E-05	2.09E-05
808	3.34E-06	3.21E-05	5.54E-05	3.22E-06	3.00E-05	5.26E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.20E-05	2.11E-05	1.52E-06	1.33E-05	2.42E-05	1.60E-06	1.47E-05	2.54E-05	1.27E-06	1.18E-05	2.09E-05
809	3.33E-06	3.21E-05	5.53E-05	3.21E-06	2.99E-05	5.25E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.20E-05	2.11E-05	1.52E-06	1.33E-05	2.42E-05	1.59E-06	1.47E-05	2.54E-05	1.27E-06	1.18E-05	2.09E-05
810	3.33E-06	3.20E-05	5.53E-05	3.21E-06	2.99E-05	5.25E-05	1.17E-06	1.11E-05	1.91E-05	1.27E-06	1.19E-05	2.11E-05	1.52E-06	1.33E-05	2.42E-05	1.59E-06	1.47E-05	2.53E-05	1.26E-06	1.18E-05	2.09E-05
811	3.33E-06	3.20E-05	5.53E-05	3.21E-06	2.98E-05	5.25E-05	1.17E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.42E-05	1.59E-06	1.47E-05	2.53E-05	1.26E-06	1.18E-05	2.09E-05
812	3.32E-06	3.19E-05	5.52E-05	3.20E-06	2.98E-05	5.25E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.41E-05	1.59E-06	1.47E-05	2.53E-05	1.26E-06	1.18E-05	2.09E-05
813	3.32E-06	3.19E-05	5.52E-05	3.20E-06	2.98E-05	5.25E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.41E-05	1.59E-06	1.46E-05	2.53E-05	1.26E-06	1.18E-05	2.08E-05
814	3.32E-06	3.19E-05	5.51E-05	3.19E-06	2.97E-05	5.24E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.41E-05	1.59E-06	1.46E-05	2.53E-05	1.26E-06	1.18E-05	2.08E-05
815	3.31E-06	3.19E-05	5.51E-05	3.18E-06	2.97E-05	5.23E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.41E-05	1.59E-06	1.46E-05	2.53E-05	1.26E-06	1.18E-05	2.08E-05
816	3.31E-06	3.18E-05	5.51E-05	3.17E-06	2.97E-05	5.23E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.52E-06	1.32E-05	2.40E-05	1.59E-06	1.46E-05	2.53E-05	1.26E-06	1.18E-05	2.08E-05
817	3.31E-06	3.17E-05	5.50E-05	3.17E-06	2.97E-05	5.23E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.11E-05	1.51E-06	1.32E-05	2.40E-05	1.59E-06	1.46E-05	2.53E-05	1.26E-06	1.17E-05	2.08E-05
818	3.31E-06	3.17E-05	5.50E-05	3.17E-06	2.97E-05	5.22E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.40E-05	1.58E-06	1.46E-05	2.53E-05	1.26E-06	1.17E-05	2.07E-05
819	3.31E-06	3.17E-05	5.49E-05	3.17E-06	2.97E-05	5.21E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.40E-05	1.58E-06	1.46E-05	2.52E-05	1.26E-06	1.17E-05	2.07E-05
820	3.31E-06	3.16E-05	5.49E-05	3.16E-06	2.97E-05	5.20E-05	1.16E-06	1.10E-05	1.90E-05	1.26E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.40E-05	1.58E-06	1.46E-05	2.52E-05	1.26E-06	1.17E-05	2.07E-05
821	3.31E-06	3.16E-05	5.48E-05	3.16E-06	2.97E-05	5.20E-05	1.16E-06	1.09E-05	1.89E-05	1.25E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.39E-05	1.58E-06	1.46E-05	2.52E-05	1.26E-06	1.17E-05	2.07E-05
822	3.31E-06	3.16E-05	5.48E-05	3.16E-06	2.97E-05	5.19E-05	1.16E-06	1.09E-05	1.89E-05	1.25E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.39E-05	1.58E-06	1.46E-05	2.51E-05	1.26E-06	1.17E-05	2.07E-05
823	3.30E-06	3.15E-05	5.47E-05	3.16E-06	2.97E-05	5.18E-05	1.16E-06	1.09E-05	1.89E-05	1.25E-06	1.19E-05	2.10E-05	1.51E-06	1.32E-05	2.39E-05	1.58E-06	1.45E-05	2.51E-05	1.26E-06	1.17E-05	2.07E-05
824	3.30E-06	3.15E-05	5.47E-05	3.16E-06	2.97E-05	5.18E-05	1.15E-06	1.09E-05	1.89E-05	1.25E-06	1.18E-05	2.10E-05	1.51E-06	1.32E-05	2.39E-05	1.57E-06	1.45E-05	2.51E-05	1.26E-06	1.17E-05	2.06E-05
825	3.30E-06	3.15E-05	5.47E-05	3.16E-06	2.97E-05	5.17E-05	1.15E-06	1.09E-05	1.89E-05	1.25E-06	1.18E-05	2.09E-05	1.51E-06	1.31E-05	2.39E-05	1.57E-06	1.45E-05	2.50E-05	1.26E-06	1.17E-05	2.06E-05
826	3.30E-06	3.15E-05	5.46E-05	3.15E-06	2.96E-05	5.17E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
846	3.23E-06	3.11E-05	5.36E-05	3.12E-06	2.92E-05	5.09E-05	1.14E-06	1.07E-05	1.86E-05	1.24E-06	1.16E-05	2.07E-05	1.49E-06	1.30E-05	2.35E-05	1.56E-06	1.43E-05	2.47E-05	1.24E-06	1.15E-05	2.04E-05
847	3.22E-06	3.11E-05	5.36E-05	3.11E-06	2.92E-05	5.09E-05	1.13E-06	1.07E-05	1.86E-05	1.23E-06	1.16E-05	2.06E-05	1.49E-06	1.30E-05	2.35E-05	1.56E-06	1.43E-05	2.47E-05	1.24E-06	1.14E-05	2.04E-05
848	3.22E-06	3.10E-05	5.35E-05	3.11E-06	2.91E-05	5.08E-05	1.13E-06	1.07E-05	1.86E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.30E-05	2.35E-05	1.55E-06	1.43E-05	2.47E-05	1.24E-06	1.14E-05	2.04E-05
849	3.22E-06	3.09E-05	5.34E-05	3.11E-06	2.91E-05	5.07E-05	1.13E-06	1.07E-05	1.86E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.30E-05	2.35E-05	1.55E-06	1.43E-05	2.46E-05	1.24E-06	1.14E-05	2.04E-05
850	3.22E-06	3.09E-05	5.34E-05	3.10E-06	2.90E-05	5.07E-05	1.13E-06	1.07E-05	1.86E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.30E-05	2.34E-05	1.55E-06	1.43E-05	2.46E-05	1.24E-06	1.14E-05	2.04E-05
851	3.22E-06	3.08E-05	5.34E-05	3.10E-06	2.90E-05	5.06E-05	1.13E-06	1.06E-05	1.85E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.30E-05	2.34E-05	1.55E-06	1.43E-05	2.46E-05	1.24E-06	1.14E-05	2.03E-05
852	3.22E-06	3.08E-05	5.34E-05	3.10E-06	2.90E-05	5.06E-05	1.13E-06	1.06E-05	1.85E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.29E-05	2.34E-05	1.55E-06	1.43E-05	2.46E-05	1.24E-06	1.14E-05	2.03E-05
853	3.21E-06	3.08E-05	5.33E-05	3.10E-06	2.90E-05	5.06E-05	1.13E-06	1.06E-05	1.85E-05	1.23E-06	1.16E-05	2.06E-05	1.48E-06	1.29E-05	2.34E-05	1.55E-06	1.43E-05	2.46E-05	1.24E-06	1.14E-05	2.03E-05
854	3.21E-06	3.08E-05	5.33E-05	3.09E-06	2.90E-05	5.05E-05	1.13E-06	1.06E-05	1.85E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.34E-05	1.55E-06	1.43E-05	2.45E-05	1.24E-06	1.14E-05	2.02E-05
855	3.21E-06	3.08E-05	5.33E-05	3.09E-06	2.89E-05	5.04E-05	1.13E-06	1.06E-05	1.84E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.34E-05	1.55E-06	1.42E-05	2.45E-05	1.24E-06	1.13E-05	2.02E-05
856	3.21E-06	3.08E-05	5.32E-05	3.09E-06	2.89E-05	5.04E-05	1.13E-06	1.06E-05	1.84E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.34E-05	1.55E-06	1.42E-05	2.45E-05	1.24E-06	1.13E-05	2.02E-05
857	3.21E-06	3.08E-05	5.32E-05	3.09E-06	2.89E-05	5.04E-05	1.13E-06	1.06E-05	1.84E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.33E-05	1.55E-06	1.42E-05	2.45E-05	1.24E-06	1.13E-05	2.02E-05
858	3.21E-06	3.07E-05	5.30E-05	3.09E-06	2.88E-05	5.03E-05	1.13E-06	1.06E-05	1.84E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.33E-05	1.55E-06	1.42E-05	2.44E-05	1.24E-06	1.13E-05	2.02E-05
859	3.20E-06	3.07E-05	5.30E-05	3.09E-06	2.88E-05	5.03E-05	1.13E-06	1.06E-05	1.84E-05	1.23E-06	1.16E-05	2.05E-05	1.48E-06	1.29E-05	2.33E-05	1.55E-06	1.42E-05	2.44E-05	1.23E-06	1.13E-05	2.02E-05
860	3.20E-06	3.07E-05	5.29E-05	3.08E-06	2.88E-05	5.02E-05	1.12E-06	1.06E-05	1.83E-05	1.23E-06	1.15E-05	2.05E-05	1.48E-06	1.29E-05	2.33E-05	1.55E-06	1.42E-05	2.44E-05	1.23E-06	1.13E-05	2.01E-05
861	3.20E-06	3.07E-05	5.29E-05	3.08E-06	2.88E-05	5.02E-05	1.12E-06	1.06E-05	1.83E-05	1.23E-06	1.15E-05	2.05E-05	1.48E-06	1.29E-05	2.33E-05	1.55E-06	1.42E-05	2.44E-05	1.23E-06	1.13E-05	2.01E-05
862	3.20E-06	3.06E-05	5.28E-05	3.07E-06	2.88E-05	5.01E-05	1.12E-06	1.06E-05	1.83E-05	1.23E-06	1.15E-05	2.04E-05	1.48E-06	1.29E-05	2.32E-05	1.55E-06	1.42E-05	2.44E-05	1.23E-06	1.13E-05	2.01E-05
863	3.20E-06	3.06E-05	5.27E-05	3.07E-06	2.87E-05	5.00E-05	1.12E-06	1.06E-05	1.83E-05	1.23E-06	1.15E-05	2.04E-05	1.48E-06	1.29E-05	2.32E-05	1.55E-06	1.42E-05	2.43E-05	1.23E-06	1.13E-05	2.01E-05
864	3.20E-06	3.05E-05	5.27E-05	3.07E-06	2.87E-05	4.99E-05	1.12E-06	1.06E-05	1.83E-05	1.23E-06	1.15E-05	2.04E-05	1.48E-06	1.29E-05	2.32E-05	1.55E-06	1.41E-05	2.43E-05	1.23E-06	1.13E-05	2.01E-05
865	3.19E-06	3.05E-05	5.26E-05	3.06E-06	2.87E-05	4.99E-05	1.12E-06	1.05E-05	1.82E-05	1.23E-06	1.15E-05	2.04E-05	1.47E-06	1.28E-05	2.32E-05	1.55E-06	1.41E-05	2.43E-05	1.23E-06	1.12E-05	2.01E-05
866	3.19E-06	3.05E-05	5.26E-05	3.06E-06	2.87E-05	4.99E-05	1.12E-06	1.05E-05	1.82E-05	1.23E-06	1.15E-05	2.04E-05	1.47E-06	1.28E-05	2.32E-05	1.55E-06	1.41E-05	2.43E-05	1.23E-06	1.12E-05	2.01E-05
867	3.19E-06	3.04E-05	5.25E-05	3.05E-06	2.86E-05	4.97E-05	1.12E-06	1.05E-05	1.82E-05	1.22E-06	1.14E-05	2.04E-05	1.47E-06	1.28E-05	2.32E-05	1.55E-06	1.41E-05	2.43E-05	1.23E-06	1.12E-05	2.01E-05
868	3.19E-06	3.04E-05	5.25E-05	3.05E-06	2.86E-05	4.97E-05	1.12E-06	1.05E-05	1.82E-05	1.22E-06	1.14E-05	2.04E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.43E-05	1.23E-06	1.12E-05	2.01E-05
869	3.19E-06	3.04E-05	5.24E-05	3.05E-06	2.86E-05	4.96E-05	1.12E-06	1.05E-05	1.82E-05	1.22E-06	1.14E-05	2.03E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.43E-05	1.23E-06	1.12E-05	2.00E-05
870	3.19E-06	3.04E-05	5.24E-05	3.04E-06	2.86E-05	4.96E-05	1.12E-06	1.05E-05	1.82E-05	1.22E-06	1.14E-05	2.03E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.43E-05	1.23E-06	1.12E-05	2.00E-05
871	3.19E-06	3.04E-05	5.23E-05	3.04E-06	2.86E-05	4.96E-05	1.12E-06	1.05E-05	1.82E-05	1.22E-06	1.14E-05	2.03E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.43E-05	1.23E-06	1.12E-05	2.00E-05
872	3.18E-06	3.03E-05	5.23E-05	3.04E-06	2.85E-05	4.96E-05	1.12E-06	1.05E-05	1.81E-05	1.22E-06	1.14E-05	2.03E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.42E-05	1.23E-06	1.12E-05	2.00E-05
873	3.18E-06	3.03E-05	5.23E-05	3.03E-06	2.85E-05	4.95E-05	1.12E-06	1.05E-05	1.81E-05	1.22E-06	1.14E-05	2.02E-05	1.47E-06	1.28E-05	2.31E-05	1.54E-06	1.40E-05	2.42E-05	1.23E-06	1.12E-05	2.00E-05
874	3.17E-06	3.03E-05	5.22E-05	3.03E-06	2.85E-05	4.95E-05	1.12E-06	1.05E-05	1.81E-05	1.22E-06	1.13E-05	2.02E-05	1.47E-06	1.28E-05	2.30E-05	1.54E-06	1.40E-05	2.42E-05	1.23E-06	1.12E-05	2.00E-05
875	3.17E-06	3.02E-05	5.21E-05	3.03E-06	2.85E-05	4.94E-05	1.11E-06	1.05E-05	1.81E-05	1.22E-06	1.13E-05	2.02E-05	1.47E-06	1.28E-05	2.30E-05	1.54E-06	1.40E-05	2.42E-05	1.22E-06	1.12E-05	2.00E-05
876	3.17E-06	3.02E-05	5.21E-05	3.03E-06	2.85E-05	4.94E-05	1.11E-06	1.05E-05	1.81E-05	1.22E-06	1.13E-05	2.02E-05	1.47E-06	1.28E-05	2.30E-05	1.53E-06	1.40E-05	2.42E-05	1.22E-06	1.12E-05	2.00E-05
877	3.17E-06	3.02E-05	5.21E-05	3.03E-06	2.84E-05	4.94E-05	1.11E-06	1.05E-05	1.81E-05	1.22E-06	1.13E-05	2.02E-05	1.47E-06	1.27E-05	2.30E-05	1.53E-06	1.40E-05	2.42E-05	1.22E-06	1.11E-05	2.00E-05
878	3.16E-06	3.02E-05	5.21E-05	3.03E-06	2.84E-05	4.94E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.13E-05	2.01E-05	1.47E-06	1.27E-05	2.30E-05	1.53E-06	1.40E-05	2.42E-05	1.22E-06	1.11E-05	1.99E-05
879	3.16E-06	3.02E-05	5.21E-05	3.02E-06	2.83E-05	4.94E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.13E-05	2.01E-05	1.47E-06	1.27E-05	2.30E-05	1.53E-06	1.40E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
880	3.16E-06	3.02E-05	5.20E-05	3.02E-06	2.82E-05	4.93E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.13E-05	2.01E-05	1.46E-06	1.27E-05	2.30E-05	1.53E-06	1.40E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
881	3.16E-06	3.01E-05	5.20E-05	3.02E-06	2.82E-05	4.92E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.12E-05	2.01E-05	1.46E-06	1.27E-05	2.30E-05	1.53E-06	1.39E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
882	3.16E-06	3.01E-05	5.20E-05	3.02E-06	2.82E-05	4.92E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.12E-05	2.01E-05	1.46E-06	1.27E-05	2.30E-05	1.53E-06	1.39E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
883	3.15E-06	3.00E-05	5.20E-05	3.02E-06	2.82E-05	4.91E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.12E-05	2.01E-05	1.46E-06	1.27E-05	2.30E-05	1.53E-06	1.39E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
884	3.15E-06	3.00E-05	5.20E-05	3.02E-06	2.81E-05	4.91E-05	1.11E-06	1.04E-05	1.80E-05	1.21E-06	1.12E-05	2.01E-05	1.46E-06	1.27E-05	2.30E-05	1.53E-06	1.39E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
885	3.15E-06	3.00E-05	5.20E-05	3.01E-06	2.81E-05	4.90E-05	1.11E-06	1.04E-05	1.79E-05	1.21E-06	1.12E-05	2.01E-05	1.46E-06	1.27E-05	2.29E-05	1.53E-06	1.39E-05	2.41E-05	1.22E-06	1.11E-05	1.99E-05
886	3.15E-06	3.00E-05	5.19E-05	3.01E-06	2.81E-05	4.89E-05	1.11E-06	1.04E-05	1.79E-05	1.21E-06	1.12E-05	2.00E-05	1.46E-06	1.27E-05	2.29E-05	1.52E-06	1.39E-05	2.40E-05	1.22E-06	1.11E-05	1.99E-05
887	3.15E-06	3.00E-05	5.18E-05	3.01E-06	2.81E-05	4.89E-05	1.11E-06	1.04E-05	1.79E-05	1.21E-06	1.12E-05	2.00E-05	1.46E-06	1.27E-05	2.29E-05	1.52E-06	1.39E-05	2.40E-05	1.21E-06	1.11E-05	1.99E-05
888	3.14E-06	3.00E-05	5.18E-05	3.01E-06	2.81E-05	4.89E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
908	3.10E-06	2.94E-05	5.13E-05	2.97E-06	2.76E-05	4.84E-05	1.09E-06	1.02E-05	1.77E-05	1.19E-06	1.11E-05	1.97E-05	1.44E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.37E-05	1.20E-06	1.09E-05	1.97E-05
909	3.10E-06	2.93E-05	5.13E-05	2.97E-06	2.76E-05	4.84E-05	1.09E-06	1.02E-05	1.77E-05	1.18E-06	1.11E-05	1.97E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.37E-05	1.20E-06	1.09E-05	1.96E-05
910	3.10E-06	2.93E-05	5.12E-05	2.97E-06	2.76E-05	4.84E-05	1.09E-06	1.02E-05	1.77E-05	1.18E-06	1.10E-05	1.97E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.36E-05	1.20E-06	1.09E-05	1.96E-05
911	3.10E-06	2.93E-05	5.12E-05	2.97E-06	2.76E-05	4.84E-05	1.09E-06	1.02E-05	1.77E-05	1.18E-06	1.10E-05	1.97E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.36E-05	1.20E-06	1.09E-05	1.96E-05
912	3.10E-06	2.93E-05	5.12E-05	2.97E-06	2.75E-05	4.83E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.97E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.36E-05	1.20E-06	1.08E-05	1.96E-05
913	3.10E-06	2.93E-05	5.11E-05	2.96E-06	2.74E-05	4.83E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.36E-05	1.20E-06	1.08E-05	1.95E-05
914	3.10E-06	2.93E-05	5.11E-05	2.96E-06	2.74E-05	4.82E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.25E-05	2.24E-05	1.50E-06	1.36E-05	2.36E-05	1.19E-06	1.08E-05	1.95E-05
915	3.09E-06	2.92E-05	5.09E-05	2.96E-06	2.74E-05	4.82E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.24E-05	2.23E-05	1.50E-06	1.36E-05	2.35E-05	1.19E-06	1.08E-05	1.95E-05
916	3.09E-06	2.92E-05	5.09E-05	2.95E-06	2.74E-05	4.82E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.24E-05	2.23E-05	1.50E-06	1.35E-05	2.35E-05	1.19E-06	1.08E-05	1.95E-05
917	3.09E-06	2.92E-05	5.09E-05	2.95E-06	2.74E-05	4.81E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.24E-05	2.23E-05	1.49E-06	1.35E-05	2.35E-05	1.19E-06	1.08E-05	1.95E-05
918	3.09E-06	2.92E-05	5.09E-05	2.95E-06	2.74E-05	4.81E-05	1.09E-06	1.02E-05	1.76E-05	1.18E-06	1.10E-05	1.96E-05	1.43E-06	1.24E-05	2.23E-05	1.49E-06	1.35E-05	2.34E-05	1.19E-06	1.08E-05	1.94E-05
919	3.08E-06	2.92E-05	5.08E-05	2.94E-06	2.73E-05	4.81E-05	1.08E-06	1.01E-05	1.76E-05	1.18E-06	1.09E-05	1.96E-05	1.42E-06	1.24E-05	2.23E-05	1.49E-06	1.35E-05	2.34E-05	1.19E-06	1.08E-05	1.94E-05
920	3.08E-06	2.92E-05	5.08E-05	2.94E-06	2.73E-05	4.81E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.96E-05	1.42E-06	1.24E-05	2.22E-05	1.49E-06	1.35E-05	2.34E-05	1.19E-06	1.08E-05	1.94E-05
921	3.08E-06	2.91E-05	5.07E-05	2.93E-06	2.73E-05	4.81E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.96E-05	1.42E-06	1.24E-05	2.22E-05	1.49E-06	1.35E-05	2.34E-05	1.19E-06	1.08E-05	1.94E-05
922	3.08E-06	2.91E-05	5.07E-05	2.93E-06	2.73E-05	4.81E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.96E-05	1.42E-06	1.24E-05	2.22E-05	1.49E-06	1.35E-05	2.34E-05	1.19E-06	1.08E-05	1.94E-05
923	3.08E-06	2.91E-05	5.07E-05	2.93E-06	2.73E-05	4.79E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.96E-05	1.42E-06	1.24E-05	2.22E-05	1.49E-06	1.35E-05	2.34E-05	1.18E-06	1.08E-05	1.94E-05
924	3.07E-06	2.91E-05	5.06E-05	2.93E-06	2.72E-05	4.79E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.95E-05	1.42E-06	1.24E-05	2.22E-05	1.48E-06	1.35E-05	2.33E-05	1.18E-06	1.08E-05	1.94E-05
925	3.07E-06	2.91E-05	5.06E-05	2.93E-06	2.71E-05	4.79E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.09E-05	1.95E-05	1.42E-06	1.24E-05	2.22E-05	1.48E-06	1.35E-05	2.33E-05	1.18E-06	1.07E-05	1.94E-05
926	3.07E-06	2.90E-05	5.06E-05	2.93E-06	2.71E-05	4.78E-05	1.08E-06	1.01E-05	1.75E-05	1.18E-06	1.08E-05	1.95E-05	1.42E-06	1.23E-05	2.22E-05	1.48E-06	1.34E-05	2.33E-05	1.18E-06	1.07E-05	1.94E-05
927	3.07E-06	2.90E-05	5.06E-05	2.93E-06	2.71E-05	4.78E-05	1.08E-06	1.01E-05	1.75E-05	1.17E-06	1.08E-05	1.95E-05	1.42E-06	1.23E-05	2.22E-05	1.48E-06	1.34E-05	2.33E-05	1.18E-06	1.07E-05	1.94E-05
928	3.07E-06	2.90E-05	5.06E-05	2.92E-06	2.70E-05	4.78E-05	1.08E-06	1.01E-05	1.75E-05	1.17E-06	1.08E-05	1.95E-05	1.42E-06	1.23E-05	2.21E-05	1.48E-06	1.34E-05	2.33E-05	1.18E-06	1.07E-05	1.94E-05
929	3.06E-06	2.89E-05	5.05E-05	2.92E-06	2.70E-05	4.77E-05	1.08E-06	1.01E-05	1.75E-05	1.17E-06	1.08E-05	1.95E-05	1.42E-06	1.23E-05	2.21E-05	1.48E-06	1.34E-05	2.33E-05	1.18E-06	1.07E-05	1.94E-05
930	3.06E-06	2.89E-05	5.05E-05	2.92E-06	2.70E-05	4.77E-05	1.08E-06	1.01E-05	1.75E-05	1.17E-06	1.08E-05	1.95E-05	1.42E-06	1.23E-05	2.21E-05	1.48E-06	1.34E-05	2.32E-05	1.18E-06	1.07E-05	1.94E-05
931	3.06E-06	2.89E-05	5.05E-05	2.92E-06	2.70E-05	4.77E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.08E-05	1.95E-05	1.41E-06	1.23E-05	2.21E-05	1.47E-06	1.34E-05	2.32E-05	1.18E-06	1.07E-05	1.93E-05
932	3.06E-06	2.89E-05	5.05E-05	2.92E-06	2.69E-05	4.76E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.08E-05	1.95E-05	1.41E-06	1.23E-05	2.21E-05	1.47E-06	1.34E-05	2.32E-05	1.18E-06	1.07E-05	1.93E-05
933	3.06E-06	2.89E-05	5.04E-05	2.92E-06	2.69E-05	4.75E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.08E-05	1.95E-05	1.41E-06	1.23E-05	2.21E-05	1.47E-06	1.34E-05	2.32E-05	1.17E-06	1.07E-05	1.93E-05
934	3.06E-06	2.89E-05	5.04E-05	2.92E-06	2.69E-05	4.75E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.08E-05	1.94E-05	1.41E-06	1.23E-05	2.21E-05	1.47E-06	1.34E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
935	3.06E-06	2.89E-05	5.03E-05	2.91E-06	2.69E-05	4.75E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.20E-05	1.47E-06	1.34E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
936	3.05E-06	2.89E-05	5.03E-05	2.91E-06	2.69E-05	4.74E-05	1.08E-06	1.01E-05	1.74E-05	1.17E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.20E-05	1.47E-06	1.34E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
937	3.05E-06	2.88E-05	5.03E-05	2.91E-06	2.68E-05	4.74E-05	1.08E-06	1.00E-05	1.74E-05	1.17E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.20E-05	1.47E-06	1.34E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
938	3.05E-06	2.88E-05	5.02E-05	2.91E-06	2.68E-05	4.74E-05	1.07E-06	1.00E-05	1.74E-05	1.17E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.20E-05	1.46E-06	1.34E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
939	3.05E-06	2.87E-05	5.02E-05	2.91E-06	2.68E-05	4.74E-05	1.07E-06	1.00E-05	1.74E-05	1.17E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.19E-05	1.46E-06	1.33E-05	2.32E-05	1.17E-06	1.06E-05	1.93E-05
940	3.04E-06	2.87E-05	5.02E-05	2.91E-06	2.68E-05	4.72E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.94E-05	1.41E-06	1.23E-05	2.19E-05	1.46E-06	1.33E-05	2.31E-05	1.17E-06	1.06E-05	1.93E-05
941	3.04E-06	2.87E-05	5.01E-05	2.90E-06	2.68E-05	4.72E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.94E-05	1.40E-06	1.22E-05	2.19E-05	1.46E-06	1.33E-05	2.31E-05	1.16E-06	1.06E-05	1.93E-05
942	3.04E-06	2.87E-05	5.01E-05	2.90E-06	2.68E-05	4.71E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.22E-05	2.19E-05	1.46E-06	1.33E-05	2.31E-05	1.16E-06	1.06E-05	1.92E-05
943	3.03E-06	2.87E-05	5.01E-05	2.90E-06	2.68E-05	4.70E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.22E-05	2.19E-05	1.45E-06	1.33E-05	2.30E-05	1.16E-06	1.06E-05	1.92E-05
944	3.03E-06	2.87E-05	5.01E-05	2.90E-06	2.68E-05	4.70E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.22E-05	2.19E-05	1.45E-06	1.33E-05	2.30E-05	1.16E-06	1.06E-05	1.92E-05
945	3.03E-06	2.87E-05	4.99E-05	2.90E-06	2.68E-05	4.70E-05	1.07E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.22E-05	2.19E-05	1.45E-06	1.33E-05	2.30E-05	1.16E-06	1.06E-05	1.92E-05
946	3.03E-06	2.86E-05	4.99E-05	2.90E-06	2.68E-05	4.70E-05	1.06E-06	1.00E-05	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.22E-05	2.19E-05	1.45E-06	1.32E-05	2.30E-05	1.16E-06	1.06E-05	1.92E-05
947	3.03E-06	2.86E-05	4.99E-05	2.90E-06	2.67E-05	4.70E-05	1.06E-06	9.99E-06	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.21E-05	2.19E-05	1.45E-06	1.32E-05	2.30E-05	1.16E-06	1.06E-05	1.92E-05
948	3.03E-06	2.86E-05	4.99E-05	2.89E-06	2.67E-05	4.69E-05	1.06E-06	9.99E-06	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.21E-05	2.19E-05	1.45E-06	1.32E-05	2.30E-05	1.16E-06	1.06E-05	1.91E-05
949	3.03E-06	2.86E-05	4.99E-05	2.89E-06	2.67E-05	4.69E-05	1.06E-06	9.99E-06	1.73E-05	1.16E-06	1.07E-05	1.93E-05	1.40E-06	1.21E-05	2.18E-05	1.45E-06	1.32E-05	2.29E-05	1.16E-06	1.06E-05	1.91E-05
950	3.03E-06	2.85E-05	4.98E-05	2.89E-06	2.67E-05	4.69E-05															

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
970	2.98E-06	2.80E-05	4.93E-05	2.85E-06	2.63E-05	4.61E-05	1.04E-06	9.80E-06	1.70E-05	1.14E-06	1.05E-05	1.90E-05	1.37E-06	1.20E-05	2.15E-05	1.43E-06	1.30E-05	2.26E-05	1.14E-06	1.04E-05	1.88E-05
971	2.98E-06	2.80E-05	4.93E-05	2.85E-06	2.63E-05	4.61E-05	1.04E-06	9.78E-06	1.70E-05	1.14E-06	1.05E-05	1.90E-05	1.37E-06	1.20E-05	2.15E-05	1.43E-06	1.30E-05	2.26E-05	1.14E-06	1.04E-05	1.88E-05
972	2.97E-06	2.80E-05	4.93E-05	2.85E-06	2.63E-05	4.59E-05	1.04E-06	9.78E-06	1.70E-05	1.14E-06	1.05E-05	1.90E-05	1.37E-06	1.20E-05	2.15E-05	1.43E-06	1.30E-05	2.25E-05	1.14E-06	1.04E-05	1.88E-05
973	2.97E-06	2.80E-05	4.93E-05	2.85E-06	2.63E-05	4.59E-05	1.04E-06	9.77E-06	1.70E-05	1.14E-06	1.05E-05	1.90E-05	1.36E-06	1.20E-05	2.15E-05	1.42E-06	1.30E-05	2.25E-05	1.14E-06	1.04E-05	1.88E-05
974	2.97E-06	2.79E-05	4.92E-05	2.85E-06	2.62E-05	4.59E-05	1.04E-06	9.77E-06	1.70E-05	1.14E-06	1.05E-05	1.90E-05	1.36E-06	1.20E-05	2.15E-05	1.42E-06	1.29E-05	2.25E-05	1.14E-06	1.04E-05	1.87E-05
975	2.96E-06	2.79E-05	4.92E-05	2.85E-06	2.62E-05	4.58E-05	1.04E-06	9.76E-06	1.70E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.20E-05	2.15E-05	1.42E-06	1.29E-05	2.25E-05	1.14E-06	1.04E-05	1.87E-05
976	2.96E-06	2.79E-05	4.92E-05	2.84E-06	2.62E-05	4.57E-05	1.04E-06	9.75E-06	1.70E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.20E-05	2.14E-05	1.42E-06	1.29E-05	2.25E-05	1.13E-06	1.04E-05	1.87E-05
977	2.96E-06	2.79E-05	4.91E-05	2.83E-06	2.62E-05	4.57E-05	1.04E-06	9.75E-06	1.69E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.19E-05	2.14E-05	1.41E-06	1.29E-05	2.25E-05	1.13E-06	1.04E-05	1.87E-05
978	2.96E-06	2.79E-05	4.91E-05	2.83E-06	2.62E-05	4.56E-05	1.04E-06	9.74E-06	1.69E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.19E-05	2.14E-05	1.41E-06	1.29E-05	2.25E-05	1.13E-06	1.04E-05	1.87E-05
979	2.96E-06	2.78E-05	4.91E-05	2.83E-06	2.62E-05	4.55E-05	1.04E-06	9.73E-06	1.69E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.19E-05	2.14E-05	1.41E-06	1.29E-05	2.25E-05	1.13E-06	1.04E-05	1.87E-05
980	2.95E-06	2.78E-05	4.91E-05	2.83E-06	2.62E-05	4.55E-05	1.04E-06	9.72E-06	1.69E-05	1.14E-06	1.05E-05	1.89E-05	1.36E-06	1.19E-05	2.14E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.04E-05	1.87E-05
981	2.95E-06	2.78E-05	4.90E-05	2.82E-06	2.62E-05	4.54E-05	1.04E-06	9.72E-06	1.69E-05	1.14E-06	1.05E-05	1.89E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.04E-05	1.87E-05
982	2.95E-06	2.78E-05	4.89E-05	2.82E-06	2.61E-05	4.54E-05	1.04E-06	9.72E-06	1.68E-05	1.14E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.04E-05	1.87E-05
983	2.95E-06	2.78E-05	4.89E-05	2.82E-06	2.61E-05	4.54E-05	1.04E-06	9.71E-06	1.68E-05	1.13E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.03E-05	1.87E-05
984	2.94E-06	2.78E-05	4.89E-05	2.82E-06	2.61E-05	4.54E-05	1.04E-06	9.71E-06	1.68E-05	1.13E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.03E-05	1.87E-05
985	2.94E-06	2.78E-05	4.87E-05	2.82E-06	2.60E-05	4.53E-05	1.04E-06	9.71E-06	1.68E-05	1.13E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.03E-05	1.86E-05
986	2.94E-06	2.77E-05	4.87E-05	2.82E-06	2.60E-05	4.53E-05	1.03E-06	9.71E-06	1.68E-05	1.13E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.24E-05	1.13E-06	1.03E-05	1.86E-05
987	2.93E-06	2.77E-05	4.87E-05	2.82E-06	2.60E-05	4.52E-05	1.03E-06	9.70E-06	1.68E-05	1.13E-06	1.04E-05	1.88E-05	1.35E-06	1.19E-05	2.13E-05	1.41E-06	1.29E-05	2.23E-05	1.13E-06	1.03E-05	1.86E-05
988	2.93E-06	2.77E-05	4.87E-05	2.82E-06	2.59E-05	4.52E-05	1.03E-06	9.70E-06	1.67E-05	1.13E-06	1.04E-05	1.87E-05	1.35E-06	1.18E-05	2.13E-05	1.41E-06	1.29E-05	2.23E-05	1.13E-06	1.03E-05	1.86E-05
989	2.93E-06	2.77E-05	4.86E-05	2.81E-06	2.59E-05	4.52E-05	1.03E-06	9.69E-06	1.67E-05	1.13E-06	1.04E-05	1.87E-05	1.35E-06	1.18E-05	2.13E-05	1.41E-06	1.29E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
990	2.93E-06	2.76E-05	4.86E-05	2.81E-06	2.58E-05	4.52E-05	1.03E-06	9.69E-06	1.67E-05	1.13E-06	1.04E-05	1.86E-05	1.35E-06	1.18E-05	2.13E-05	1.41E-06	1.29E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
991	2.93E-06	2.76E-05	4.85E-05	2.81E-06	2.57E-05	4.52E-05	1.03E-06	9.69E-06	1.67E-05	1.13E-06	1.04E-05	1.86E-05	1.35E-06	1.18E-05	2.13E-05	1.40E-06	1.28E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
992	2.92E-06	2.76E-05	4.85E-05	2.80E-06	2.57E-05	4.51E-05	1.03E-06	9.69E-06	1.67E-05	1.13E-06	1.04E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
993	2.92E-06	2.76E-05	4.85E-05	2.80E-06	2.57E-05	4.51E-05	1.03E-06	9.67E-06	1.67E-05	1.13E-06	1.04E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
994	2.92E-06	2.75E-05	4.85E-05	2.80E-06	2.56E-05	4.51E-05	1.03E-06	9.66E-06	1.67E-05	1.12E-06	1.03E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.23E-05	1.12E-06	1.03E-05	1.86E-05
995	2.92E-06	2.75E-05	4.85E-05	2.80E-06	2.56E-05	4.50E-05	1.03E-06	9.64E-06	1.67E-05	1.12E-06	1.03E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.03E-05	1.86E-05
996	2.92E-06	2.75E-05	4.85E-05	2.80E-06	2.56E-05	4.50E-05	1.03E-06	9.64E-06	1.67E-05	1.12E-06	1.03E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.03E-05	1.86E-05
997	2.91E-06	2.75E-05	4.84E-05	2.79E-06	2.56E-05	4.50E-05	1.03E-06	9.63E-06	1.67E-05	1.12E-06	1.03E-05	1.86E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.03E-05	1.86E-05
998	2.91E-06	2.74E-05	4.84E-05	2.79E-06	2.56E-05	4.50E-05	1.03E-06	9.63E-06	1.67E-05	1.12E-06	1.03E-05	1.85E-05	1.35E-06	1.18E-05	2.12E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.03E-05	1.86E-05
999	2.91E-06	2.74E-05	4.83E-05	2.79E-06	2.55E-05	4.50E-05	1.03E-06	9.61E-06	1.66E-05	1.12E-06	1.03E-05	1.85E-05	1.35E-06	1.17E-05	2.11E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.03E-05	1.85E-05
1,000	2.91E-06	2.74E-05	4.81E-05	2.79E-06	2.55E-05	4.50E-05	1.03E-06	9.59E-06	1.66E-05	1.12E-06	1.03E-05	1.85E-05	1.34E-06	1.17E-05	2.11E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.02E-05	1.85E-05
1,001	2.91E-06	2.74E-05	4.81E-05	2.79E-06	2.55E-05	4.49E-05	1.02E-06	9.58E-06	1.66E-05	1.12E-06	1.03E-05	1.85E-05	1.34E-06	1.17E-05	2.11E-05	1.40E-06	1.28E-05	2.22E-05	1.12E-06	1.02E-05	1.85E-05
1,002	2.91E-06	2.73E-05	4.81E-05	2.79E-06	2.55E-05	4.49E-05	1.02E-06	9.58E-06	1.66E-05	1.12E-06	1.03E-05	1.84E-05	1.34E-06	1.17E-05	2.11E-05	1.40E-06	1.28E-05	2.22E-05	1.11E-06	1.02E-05	1.85E-05
1,003	2.91E-06	2.73E-05	4.80E-05	2.78E-06	2.54E-05	4.49E-05	1.02E-06	9.58E-06	1.66E-05	1.12E-06	1.03E-05	1.84E-05	1.34E-06	1.17E-05	2.11E-05	1.40E-06	1.27E-05	2.22E-05	1.11E-06	1.02E-05	1.85E-05
1,004	2.91E-06	2.73E-05	4.80E-05	2.78E-06	2.54E-05	4.49E-05	1.02E-06	9.58E-06	1.66E-05	1.12E-06	1.03E-05	1.84E-05	1.34E-06	1.17E-05	2.11E-05	1.39E-06	1.27E-05	2.22E-05	1.11E-06	1.02E-05	1.85E-05
1,005	2.90E-06	2.73E-05	4.80E-05	2.78E-06	2.54E-05	4.48E-05	1.02E-06	9.57E-06	1.66E-05	1.12E-06	1.02E-05	1.84E-05	1.34E-06	1.17E-05	2.11E-05	1.39E-06	1.27E-05	2.22E-05	1.11E-06	1.02E-05	1.85E-05
1,006	2.90E-06	2.73E-05	4.79E-05	2.78E-06	2.54E-05	4.48E-05	1.02E-06	9.57E-06	1.65E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.21E-05	1.11E-06	1.02E-05	1.85E-05
1,007	2.90E-06	2.73E-05	4.79E-05	2.78E-06	2.53E-05	4.48E-05	1.02E-06	9.56E-06	1.65E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.21E-05	1.11E-06	1.02E-05	1.85E-05
1,008	2.90E-06	2.72E-05	4.79E-05	2.77E-06	2.53E-05	4.48E-05	1.02E-06	9.56E-06	1.65E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.21E-05	1.11E-06	1.02E-05	1.84E-05
1,009	2.89E-06	2.72E-05	4.79E-05	2.77E-06	2.53E-05	4.47E-05	1.02E-06	9.55E-06	1.65E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.21E-05	1.11E-06	1.02E-05	1.84E-05
1,010	2.89E-06	2.72E-05	4.79E-05	2.77E-06	2.53E-05	4.47E-05	1.02E-06	9.54E-06	1.65E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.21E-05	1.11E-06	1.02E-05	1.84E-05
1,011	2.89E-06	2.72E-05	4.78E-05	2.77E-06	2.53E-05	4.47E-05	1.02E-06	9.53E-06	1.64E-05	1.12E-06	1.02E-05	1.83E-05	1.33E-06	1.17E-05	2.10E-05	1.39E-06	1.27E-05	2.20E-05	1.11E-06	1.02E-05	1.84E-05
1,012	2.89E-06	2.72E-05	4.77E-05	2.77E-06																	

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,032	2.86E-06	2.68E-05	4.70E-05	2.73E-06	2.48E-05	4.42E-05	1.00E-06	9.46E-06	1.63E-05	1.10E-06	1.01E-05	1.81E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.25E-05	2.18E-05	1.09E-06	9.95E-06	1.80E-05
1,033	2.86E-06	2.68E-05	4.70E-05	2.72E-06	2.48E-05	4.42E-05	9.99E-07	9.45E-06	1.63E-05	1.10E-06	1.01E-05	1.80E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.25E-05	2.18E-05	1.09E-06	9.95E-06	1.79E-05
1,034	2.85E-06	2.68E-05	4.70E-05	2.72E-06	2.47E-05	4.40E-05	9.99E-07	9.45E-06	1.63E-05	1.10E-06	1.01E-05	1.80E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.24E-05	2.18E-05	1.09E-06	9.94E-06	1.79E-05
1,035	2.85E-06	2.68E-05	4.69E-05	2.72E-06	2.47E-05	4.40E-05	9.99E-07	9.44E-06	1.63E-05	1.10E-06	1.01E-05	1.80E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.24E-05	2.17E-05	1.09E-06	9.94E-06	1.79E-05
1,036	2.85E-06	2.67E-05	4.69E-05	2.72E-06	2.47E-05	4.40E-05	9.98E-07	9.44E-06	1.62E-05	1.10E-06	1.01E-05	1.80E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.24E-05	2.17E-05	1.09E-06	9.93E-06	1.79E-05
1,037	2.85E-06	2.67E-05	4.69E-05	2.71E-06	2.46E-05	4.40E-05	9.98E-07	9.44E-06	1.62E-05	1.10E-06	1.01E-05	1.79E-05	1.31E-06	1.15E-05	2.07E-05	1.37E-06	1.24E-05	2.17E-05	1.09E-06	9.93E-06	1.79E-05
1,038	2.85E-06	2.67E-05	4.69E-05	2.70E-06	2.46E-05	4.40E-05	9.98E-07	9.43E-06	1.62E-05	1.10E-06	1.01E-05	1.79E-05	1.31E-06	1.15E-05	2.07E-05	1.36E-06	1.24E-05	2.17E-05	1.09E-06	9.91E-06	1.79E-05
1,039	2.85E-06	2.67E-05	4.69E-05	2.70E-06	2.46E-05	4.39E-05	9.97E-07	9.43E-06	1.62E-05	1.09E-06	1.01E-05	1.79E-05	1.31E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.17E-05	1.09E-06	9.91E-06	1.79E-05
1,040	2.85E-06	2.67E-05	4.69E-05	2.70E-06	2.46E-05	4.39E-05	9.96E-07	9.42E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.31E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.17E-05	1.09E-06	9.90E-06	1.79E-05
1,041	2.85E-06	2.66E-05	4.69E-05	2.70E-06	2.45E-05	4.39E-05	9.95E-07	9.41E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.31E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.17E-05	1.09E-06	9.88E-06	1.79E-05
1,042	2.85E-06	2.66E-05	4.68E-05	2.70E-06	2.45E-05	4.39E-05	9.94E-07	9.39E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.31E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.17E-05	1.09E-06	9.88E-06	1.78E-05
1,043	2.84E-06	2.66E-05	4.67E-05	2.70E-06	2.45E-05	4.38E-05	9.94E-07	9.38E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.30E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.16E-05	1.09E-06	9.88E-06	1.78E-05
1,044	2.84E-06	2.66E-05	4.67E-05	2.70E-06	2.45E-05	4.38E-05	9.93E-07	9.37E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.30E-06	1.14E-05	2.06E-05	1.36E-06	1.24E-05	2.16E-05	1.08E-06	9.87E-06	1.78E-05
1,045	2.84E-06	2.66E-05	4.67E-05	2.70E-06	2.45E-05	4.38E-05	9.92E-07	9.37E-06	1.62E-05	1.09E-06	1.00E-05	1.79E-05	1.30E-06	1.14E-05	2.05E-05	1.36E-06	1.24E-05	2.16E-05	1.08E-06	9.85E-06	1.78E-05
1,046	2.84E-06	2.65E-05	4.67E-05	2.69E-06	2.45E-05	4.37E-05	9.92E-07	9.36E-06	1.62E-05	1.09E-06	1.00E-05	1.78E-05	1.30E-06	1.14E-05	2.05E-05	1.36E-06	1.24E-05	2.16E-05	1.08E-06	9.84E-06	1.78E-05
1,047	2.84E-06	2.65E-05	4.66E-05	2.69E-06	2.45E-05	4.37E-05	9.91E-07	9.35E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.30E-06	1.14E-05	2.05E-05	1.36E-06	1.23E-05	2.16E-05	1.08E-06	9.84E-06	1.78E-05
1,048	2.84E-06	2.65E-05	4.66E-05	2.69E-06	2.44E-05	4.37E-05	9.91E-07	9.35E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.29E-06	1.14E-05	2.05E-05	1.36E-06	1.23E-05	2.15E-05	1.08E-06	9.83E-06	1.78E-05
1,049	2.84E-06	2.65E-05	4.65E-05	2.69E-06	2.44E-05	4.37E-05	9.91E-07	9.34E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.29E-06	1.13E-05	2.05E-05	1.36E-06	1.23E-05	2.15E-05	1.08E-06	9.83E-06	1.78E-05
1,050	2.83E-06	2.65E-05	4.65E-05	2.69E-06	2.44E-05	4.37E-05	9.90E-07	9.33E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.29E-06	1.13E-05	2.04E-05	1.36E-06	1.23E-05	2.15E-05	1.08E-06	9.82E-06	1.78E-05
1,051	2.83E-06	2.65E-05	4.64E-05	2.69E-06	2.44E-05	4.36E-05	9.90E-07	9.32E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.29E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.15E-05	1.08E-06	9.82E-06	1.78E-05
1,052	2.83E-06	2.65E-05	4.64E-05	2.69E-06	2.44E-05	4.36E-05	9.89E-07	9.31E-06	1.61E-05	1.09E-06	1.00E-05	1.78E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.15E-05	1.08E-06	9.82E-06	1.77E-05
1,053	2.82E-06	2.64E-05	4.64E-05	2.69E-06	2.44E-05	4.36E-05	9.89E-07	9.31E-06	1.61E-05	1.09E-06	9.99E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.15E-05	1.08E-06	9.81E-06	1.77E-05
1,054	2.82E-06	2.64E-05	4.64E-05	2.69E-06	2.44E-05	4.36E-05	9.88E-07	9.30E-06	1.61E-05	1.09E-06	9.99E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.15E-05	1.08E-06	9.81E-06	1.77E-05
1,055	2.82E-06	2.63E-05	4.64E-05	2.69E-06	2.44E-05	4.36E-05	9.86E-07	9.28E-06	1.61E-05	1.09E-06	9.99E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.15E-05	1.08E-06	9.81E-06	1.77E-05
1,056	2.82E-06	2.63E-05	4.64E-05	2.69E-06	2.43E-05	4.36E-05	9.84E-07	9.28E-06	1.61E-05	1.09E-06	9.98E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.14E-05	1.08E-06	9.80E-06	1.77E-05
1,057	2.82E-06	2.63E-05	4.63E-05	2.69E-06	2.43E-05	4.35E-05	9.83E-07	9.28E-06	1.60E-05	1.09E-06	9.96E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.23E-05	2.14E-05	1.08E-06	9.79E-06	1.77E-05
1,058	2.82E-06	2.63E-05	4.62E-05	2.68E-06	2.43E-05	4.35E-05	9.82E-07	9.27E-06	1.60E-05	1.09E-06	9.96E-06	1.77E-05	1.28E-06	1.13E-05	2.04E-05	1.35E-06	1.22E-05	2.14E-05	1.08E-06	9.79E-06	1.77E-05
1,059	2.81E-06	2.63E-05	4.62E-05	2.68E-06	2.43E-05	4.35E-05	9.82E-07	9.27E-06	1.60E-05	1.09E-06	9.95E-06	1.77E-05	1.28E-06	1.13E-05	2.03E-05	1.35E-06	1.22E-05	2.14E-05	1.08E-06	9.79E-06	1.77E-05
1,060	2.81E-06	2.62E-05	4.62E-05	2.68E-06	2.43E-05	4.35E-05	9.81E-07	9.27E-06	1.60E-05	1.09E-06	9.94E-06	1.77E-05	1.28E-06	1.13E-05	2.03E-05	1.35E-06	1.22E-05	2.14E-05	1.07E-06	9.78E-06	1.77E-05
1,061	2.81E-06	2.62E-05	4.61E-05	2.68E-06	2.42E-05	4.34E-05	9.80E-07	9.27E-06	1.60E-05	1.08E-06	9.94E-06	1.77E-05	1.28E-06	1.12E-05	2.03E-05	1.35E-06	1.22E-05	2.14E-05	1.07E-06	9.76E-06	1.76E-05
1,062	2.81E-06	2.62E-05	4.61E-05	2.68E-06	2.41E-05	4.34E-05	9.79E-07	9.24E-06	1.60E-05	1.08E-06	9.94E-06	1.76E-05	1.27E-06	1.12E-05	2.03E-05	1.35E-06	1.22E-05	2.14E-05	1.07E-06	9.76E-06	1.76E-05
1,063	2.81E-06	2.62E-05	4.61E-05	2.68E-06	2.41E-05	4.34E-05	9.78E-07	9.23E-06	1.60E-05	1.08E-06	9.94E-06	1.76E-05	1.27E-06	1.12E-05	2.02E-05	1.34E-06	1.22E-05	2.14E-05	1.07E-06	9.75E-06	1.76E-05
1,064	2.80E-06	2.62E-05	4.61E-05	2.67E-06	2.41E-05	4.34E-05	9.78E-07	9.22E-06	1.59E-05	1.08E-06	9.91E-06	1.76E-05	1.27E-06	1.12E-05	2.02E-05	1.34E-06	1.22E-05	2.13E-05	1.07E-06	9.74E-06	1.76E-05
1,065	2.80E-06	2.62E-05	4.60E-05	2.67E-06	2.41E-05	4.34E-05	9.77E-07	9.22E-06	1.59E-05	1.08E-06	9.89E-06	1.76E-05	1.27E-06	1.12E-05	2.02E-05	1.34E-06	1.22E-05	2.13E-05	1.07E-06	9.74E-06	1.76E-05
1,066	2.80E-06	2.62E-05	4.60E-05	2.67E-06	2.41E-05	4.34E-05	9.76E-07	9.21E-06	1.59E-05	1.08E-06	9.89E-06	1.76E-05	1.27E-06	1.12E-05	2.02E-05	1.34E-06	1.22E-05	2.13E-05	1.07E-06	9.73E-06	1.76E-05
1,067	2.80E-06	2.61E-05	4.60E-05	2.66E-06	2.41E-05	4.33E-05	9.76E-07	9.21E-06	1.59E-05	1.08E-06	9.89E-06	1.76E-05	1.27E-06	1.12E-05	2.02E-05	1.34E-06	1.22E-05	2.13E-05	1.07E-06	9.73E-06	1.76E-05
1,068	2.80E-06	2.61E-05	4.60E-05	2.66E-06	2.40E-05	4.33E-05	9.76E-07	9.20E-06	1.59E-05	1.08E-06	9.87E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.72E-06	1.76E-05
1,069	2.79E-06	2.61E-05	4.59E-05	2.66E-06	2.40E-05	4.32E-05	9.75E-07	9.20E-06	1.59E-05	1.08E-06	9.87E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.72E-06	1.76E-05
1,070	2.79E-06	2.60E-05	4.59E-05	2.66E-06	2.40E-05	4.32E-05	9.75E-07	9.18E-06	1.59E-05	1.08E-06	9.87E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.72E-06	1.76E-05
1,071	2.79E-06	2.60E-05	4.59E-05	2.66E-06	2.40E-05	4.32E-05	9.75E-07	9.17E-06	1.59E-05	1.08E-06	9.86E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.72E-06	1.75E-05
1,072	2.79E-06	2.60E-05	4.59E-05	2.65E-06	2.40E-05	4.32E-05	9.74E-07	9.17E-06	1.59E-05	1.08E-06	9.85E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.72E-06	1.75E-05
1,073	2.79E-06	2.60E-05	4.59E-05	2.65E-06	2.39E-05	4.30E-05	9.74E-07	9.17E-06	1.59E-05	1.08E-06	9.85E-06	1.76E-05	1.27E-06	1.12E-05	2.01E-05	1.33E-06	1.21E-05	2.13E-05	1.07E-06	9.71E-06	1.75E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,094	2.75E-06	2.57E-05	4.53E-05	2.61E-06	2.37E-05	4.24E-05	9.61E-07	9.04E-06	1.57E-05	1.06E-06	9.70E-06	1.73E-05	1.26E-06	1.10E-05	1.98E-05	1.31E-06	1.20E-05	2.10E-05	1.06E-06	9.58E-06	1.72E-05
1,095	2.75E-06	2.57E-05	4.53E-05	2.61E-06	2.37E-05	4.23E-05	9.61E-07	9.02E-06	1.57E-05	1.06E-06	9.69E-06	1.73E-05	1.25E-06	1.10E-05	1.97E-05	1.31E-06	1.20E-05	2.10E-05	1.05E-06	9.58E-06	1.72E-05
1,096	2.74E-06	2.56E-05	4.52E-05	2.61E-06	2.37E-05	4.23E-05	9.60E-07	9.01E-06	1.57E-05	1.06E-06	9.68E-06	1.73E-05	1.25E-06	1.10E-05	1.97E-05	1.31E-06	1.19E-05	2.10E-05	1.05E-06	9.57E-06	1.71E-05
1,097	2.74E-06	2.56E-05	4.52E-05	2.61E-06	2.37E-05	4.23E-05	9.59E-07	9.01E-06	1.57E-05	1.06E-06	9.68E-06	1.73E-05	1.25E-06	1.10E-05	1.97E-05	1.31E-06	1.19E-05	2.10E-05	1.05E-06	9.57E-06	1.71E-05
1,098	2.74E-06	2.56E-05	4.52E-05	2.60E-06	2.37E-05	4.23E-05	9.59E-07	9.01E-06	1.57E-05	1.06E-06	9.67E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.31E-06	1.19E-05	2.10E-05	1.05E-06	9.57E-06	1.71E-05
1,099	2.74E-06	2.56E-05	4.52E-05	2.60E-06	2.37E-05	4.22E-05	9.59E-07	8.99E-06	1.57E-05	1.06E-06	9.67E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.31E-06	1.19E-05	2.10E-05	1.05E-06	9.56E-06	1.71E-05
1,100	2.74E-06	2.55E-05	4.52E-05	2.60E-06	2.37E-05	4.22E-05	9.59E-07	8.98E-06	1.57E-05	1.06E-06	9.67E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.55E-06	1.71E-05
1,101	2.74E-06	2.55E-05	4.51E-05	2.60E-06	2.37E-05	4.22E-05	9.58E-07	8.98E-06	1.57E-05	1.06E-06	9.67E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.54E-06	1.71E-05
1,102	2.73E-06	2.55E-05	4.50E-05	2.60E-06	2.37E-05	4.22E-05	9.58E-07	8.97E-06	1.56E-05	1.06E-06	9.67E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.54E-06	1.71E-05
1,103	2.73E-06	2.54E-05	4.50E-05	2.59E-06	2.37E-05	4.22E-05	9.58E-07	8.95E-06	1.56E-05	1.06E-06	9.62E-06	1.72E-05	1.25E-06	1.10E-05	1.97E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.53E-06	1.71E-05
1,104	2.73E-06	2.53E-05	4.49E-05	2.59E-06	2.37E-05	4.22E-05	9.58E-07	8.93E-06	1.56E-05	1.06E-06	9.62E-06	1.72E-05	1.25E-06	1.09E-05	1.97E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.53E-06	1.71E-05
1,105	2.73E-06	2.53E-05	4.49E-05	2.59E-06	2.37E-05	4.21E-05	9.57E-07	8.93E-06	1.56E-05	1.06E-06	9.60E-06	1.72E-05	1.25E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.53E-06	1.71E-05
1,106	2.73E-06	2.53E-05	4.49E-05	2.59E-06	2.36E-05	4.21E-05	9.56E-07	8.92E-06	1.56E-05	1.06E-06	9.60E-06	1.72E-05	1.25E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.51E-06	1.70E-05
1,107	2.73E-06	2.53E-05	4.49E-05	2.59E-06	2.36E-05	4.21E-05	9.56E-07	8.92E-06	1.56E-05	1.06E-06	9.59E-06	1.72E-05	1.25E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.05E-06	9.51E-06	1.70E-05
1,108	2.73E-06	2.53E-05	4.49E-05	2.58E-06	2.36E-05	4.20E-05	9.56E-07	8.91E-06	1.56E-05	1.05E-06	9.59E-06	1.72E-05	1.25E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.04E-06	9.51E-06	1.70E-05
1,109	2.73E-06	2.52E-05	4.49E-05	2.58E-06	2.36E-05	4.20E-05	9.55E-07	8.91E-06	1.56E-05	1.05E-06	9.57E-06	1.71E-05	1.25E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.04E-06	9.49E-06	1.70E-05
1,110	2.72E-06	2.52E-05	4.48E-05	2.58E-06	2.36E-05	4.19E-05	9.55E-07	8.91E-06	1.56E-05	1.05E-06	9.57E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.09E-05	1.04E-06	9.49E-06	1.70E-05
1,111	2.72E-06	2.52E-05	4.48E-05	2.58E-06	2.36E-05	4.19E-05	9.55E-07	8.91E-06	1.55E-05	1.05E-06	9.57E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.30E-06	1.19E-05	2.08E-05	1.04E-06	9.49E-06	1.70E-05
1,112	2.72E-06	2.52E-05	4.48E-05	2.58E-06	2.35E-05	4.19E-05	9.54E-07	8.90E-06	1.55E-05	1.05E-06	9.57E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.30E-06	1.18E-05	2.08E-05	1.04E-06	9.49E-06	1.70E-05
1,113	2.72E-06	2.52E-05	4.48E-05	2.57E-06	2.35E-05	4.19E-05	9.53E-07	8.90E-06	1.55E-05	1.05E-06	9.55E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.30E-06	1.18E-05	2.08E-05	1.04E-06	9.49E-06	1.70E-05
1,114	2.72E-06	2.52E-05	4.48E-05	2.57E-06	2.35E-05	4.18E-05	9.52E-07	8.89E-06	1.55E-05	1.05E-06	9.54E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.30E-06	1.18E-05	2.07E-05	1.04E-06	9.48E-06	1.70E-05
1,115	2.72E-06	2.52E-05	4.47E-05	2.57E-06	2.35E-05	4.18E-05	9.52E-07	8.88E-06	1.55E-05	1.05E-06	9.54E-06	1.71E-05	1.24E-06	1.09E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.48E-06	1.70E-05
1,116	2.72E-06	2.52E-05	4.47E-05	2.57E-06	2.35E-05	4.18E-05	9.52E-07	8.88E-06	1.55E-05	1.05E-06	9.54E-06	1.70E-05	1.24E-06	1.08E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.48E-06	1.69E-05
1,117	2.72E-06	2.52E-05	4.47E-05	2.57E-06	2.35E-05	4.17E-05	9.52E-07	8.87E-06	1.55E-05	1.05E-06	9.52E-06	1.70E-05	1.24E-06	1.08E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.48E-06	1.69E-05
1,118	2.72E-06	2.51E-05	4.46E-05	2.57E-06	2.35E-05	4.17E-05	9.52E-07	8.83E-06	1.55E-05	1.05E-06	9.51E-06	1.70E-05	1.24E-06	1.08E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.48E-06	1.69E-05
1,119	2.72E-06	2.51E-05	4.46E-05	2.56E-06	2.34E-05	4.17E-05	9.50E-07	8.83E-06	1.55E-05	1.05E-06	9.51E-06	1.70E-05	1.23E-06	1.08E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.47E-06	1.69E-05
1,120	2.72E-06	2.51E-05	4.46E-05	2.56E-06	2.34E-05	4.16E-05	9.50E-07	8.83E-06	1.55E-05	1.05E-06	9.51E-06	1.70E-05	1.23E-06	1.08E-05	1.96E-05	1.29E-06	1.18E-05	2.07E-05	1.04E-06	9.47E-06	1.69E-05
1,121	2.72E-06	2.51E-05	4.45E-05	2.56E-06	2.33E-05	4.16E-05	9.50E-07	8.82E-06	1.55E-05	1.04E-06	9.50E-06	1.70E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.47E-06	1.69E-05
1,122	2.71E-06	2.51E-05	4.43E-05	2.56E-06	2.32E-05	4.16E-05	9.50E-07	8.81E-06	1.54E-05	1.04E-06	9.50E-06	1.70E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.47E-06	1.69E-05
1,123	2.71E-06	2.50E-05	4.43E-05	2.56E-06	2.32E-05	4.15E-05	9.49E-07	8.81E-06	1.54E-05	1.04E-06	9.50E-06	1.70E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.46E-06	1.69E-05
1,124	2.71E-06	2.50E-05	4.42E-05	2.55E-06	2.32E-05	4.15E-05	9.49E-07	8.80E-06	1.54E-05	1.04E-06	9.48E-06	1.70E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.45E-06	1.69E-05
1,125	2.71E-06	2.50E-05	4.42E-05	2.55E-06	2.32E-05	4.14E-05	9.48E-07	8.79E-06	1.54E-05	1.04E-06	9.45E-06	1.69E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.45E-06	1.69E-05
1,126	2.71E-06	2.50E-05	4.42E-05	2.54E-06	2.32E-05	4.14E-05	9.47E-07	8.79E-06	1.54E-05	1.04E-06	9.45E-06	1.69E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.18E-05	2.06E-05	1.04E-06	9.44E-06	1.68E-05
1,127	2.71E-06	2.50E-05	4.42E-05	2.54E-06	2.32E-05	4.14E-05	9.47E-07	8.79E-06	1.54E-05	1.04E-06	9.44E-06	1.69E-05	1.23E-06	1.08E-05	1.95E-05	1.29E-06	1.17E-05	2.06E-05	1.04E-06	9.44E-06	1.68E-05
1,128	2.71E-06	2.50E-05	4.41E-05	2.54E-06	2.31E-05	4.14E-05	9.46E-07	8.79E-06	1.54E-05	1.04E-06	9.44E-06	1.69E-05	1.23E-06	1.07E-05	1.95E-05	1.29E-06	1.17E-05	2.06E-05	1.04E-06	9.44E-06	1.68E-05
1,129	2.71E-06	2.49E-05	4.41E-05	2.54E-06	2.31E-05	4.13E-05	9.46E-07	8.78E-06	1.54E-05	1.04E-06	9.43E-06	1.69E-05	1.23E-06	1.07E-05	1.95E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.43E-06	1.68E-05
1,130	2.71E-06	2.49E-05	4.41E-05	2.54E-06	2.31E-05	4.13E-05	9.45E-07	8.77E-06	1.54E-05	1.04E-06	9.42E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.40E-06	1.68E-05
1,131	2.70E-06	2.49E-05	4.41E-05	2.54E-06	2.31E-05	4.13E-05	9.45E-07	8.76E-06	1.54E-05	1.04E-06	9.42E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.40E-06	1.68E-05
1,132	2.70E-06	2.49E-05	4.41E-05	2.53E-06	2.30E-05	4.12E-05	9.45E-07	8.76E-06	1.54E-05	1.04E-06	9.41E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.38E-06	1.67E-05
1,133	2.70E-06	2.49E-05	4.40E-05	2.53E-06	2.30E-05	4.12E-05	9.44E-07	8.74E-06	1.54E-05	1.04E-06	9.38E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.38E-06	1.67E-05
1,134	2.70E-06	2.49E-05	4.40E-05	2.53E-06	2.30E-05	4.12E-05	9.44E-07	8.74E-06	1.54E-05	1.04E-06	9.38E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.37E-06	1.67E-05
1,135	2.69E-06	2.48E-05	4.39E-05	2.53E-06	2.30E-05	4.12E-05	9.43E-07	8.74E-06	1.54E-05	1.03E-06	9.38E-06	1.69E-05	1.22E-06	1.07E-05	1.94E-05	1.28E-06	1.17E-05	2.05E-05	1.04E-06	9.36E-06	1.67E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,156	2.66E-06	2.43E-05	4.33E-05	2.50E-06	2.26E-05	4.04E-05	9.30E-07	8.58E-06	1.52E-05	1.02E-06	9.26E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.27E-06	1.15E-05	2.03E-05	1.03E-06	9.23E-06	1.65E-05
1,157	2.66E-06	2.43E-05	4.33E-05	2.50E-06	2.26E-05	4.04E-05	9.30E-07	8.57E-06	1.52E-05	1.02E-06	9.26E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.27E-06	1.15E-05	2.03E-05	1.03E-06	9.23E-06	1.65E-05
1,158	2.66E-06	2.43E-05	4.32E-05	2.50E-06	2.26E-05	4.04E-05	9.30E-07	8.57E-06	1.52E-05	1.02E-06	9.26E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.27E-06	1.15E-05	2.03E-05	1.03E-06	9.22E-06	1.65E-05
1,159	2.66E-06	2.42E-05	4.32E-05	2.50E-06	2.26E-05	4.04E-05	9.29E-07	8.56E-06	1.52E-05	1.02E-06	9.26E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.26E-06	1.15E-05	2.03E-05	1.03E-06	9.21E-06	1.65E-05
1,160	2.65E-06	2.42E-05	4.32E-05	2.49E-06	2.26E-05	4.04E-05	9.28E-07	8.55E-06	1.51E-05	1.02E-06	9.25E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.26E-06	1.15E-05	2.03E-05	1.03E-06	9.21E-06	1.65E-05
1,161	2.65E-06	2.42E-05	4.32E-05	2.49E-06	2.25E-05	4.04E-05	9.28E-07	8.55E-06	1.51E-05	1.02E-06	9.24E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.26E-06	1.15E-05	2.03E-05	1.03E-06	9.20E-06	1.65E-05
1,162	2.65E-06	2.42E-05	4.31E-05	2.49E-06	2.25E-05	4.04E-05	9.28E-07	8.54E-06	1.51E-05	1.02E-06	9.23E-06	1.66E-05	1.20E-06	1.06E-05	1.91E-05	1.26E-06	1.14E-05	2.03E-05	1.02E-06	9.19E-06	1.65E-05
1,163	2.65E-06	2.42E-05	4.31E-05	2.48E-06	2.25E-05	4.04E-05	9.28E-07	8.53E-06	1.51E-05	1.02E-06	9.23E-06	1.65E-05	1.20E-06	1.05E-05	1.91E-05	1.26E-06	1.14E-05	2.03E-05	1.02E-06	9.19E-06	1.64E-05
1,164	2.65E-06	2.42E-05	4.31E-05	2.48E-06	2.24E-05	4.04E-05	9.28E-07	8.53E-06	1.51E-05	1.02E-06	9.22E-06	1.65E-05	1.20E-06	1.05E-05	1.91E-05	1.26E-06	1.14E-05	2.03E-05	1.02E-06	9.19E-06	1.64E-05
1,165	2.65E-06	2.42E-05	4.31E-05	2.48E-06	2.24E-05	4.03E-05	9.28E-07	8.52E-06	1.51E-05	1.02E-06	9.22E-06	1.65E-05	1.20E-06	1.05E-05	1.91E-05	1.26E-06	1.14E-05	2.03E-05	1.02E-06	9.19E-06	1.64E-05
1,166	2.65E-06	2.42E-05	4.30E-05	2.48E-06	2.24E-05	4.02E-05	9.27E-07	8.52E-06	1.51E-05	1.02E-06	9.22E-06	1.64E-05	1.20E-06	1.05E-05	1.91E-05	1.26E-06	1.14E-05	2.03E-05	1.02E-06	9.18E-06	1.64E-05
1,167	2.64E-06	2.41E-05	4.30E-05	2.48E-06	2.24E-05	4.02E-05	9.27E-07	8.52E-06	1.51E-05	1.02E-06	9.22E-06	1.64E-05	1.20E-06	1.05E-05	1.90E-05	1.26E-06	1.14E-05	2.02E-05	1.02E-06	9.18E-06	1.64E-05
1,168	2.64E-06	2.41E-05	4.30E-05	2.48E-06	2.23E-05	4.02E-05	9.26E-07	8.51E-06	1.51E-05	1.02E-06	9.21E-06	1.64E-05	1.19E-06	1.05E-05	1.90E-05	1.26E-06	1.14E-05	2.02E-05	1.02E-06	9.17E-06	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,218	2.57E-06	2.34E-05	4.17E-05	2.40E-06	2.15E-05	3.90E-05	8.97E-07	8.17E-06	1.47E-05	9.89E-07	8.91E-06	1.59E-05	1.15E-06	1.02E-05	1.85E-05	1.22E-06	1.11E-05	1.96E-05	9.86E-07	8.93E-06	1.61E-05
1,219	2.57E-06	2.34E-05	4.17E-05	2.40E-06	2.15E-05	3.90E-05	8.96E-07	8.13E-06	1.47E-05	9.89E-07	8.91E-06	1.59E-05	1.15E-06	1.02E-05	1.85E-05	1.22E-06	1.11E-05	1.96E-05	9.85E-07	8.92E-06	1.61E-05
1,220	2.57E-06	2.34E-05	4.17E-05	2.40E-06	2.15E-05	3.89E-05	8.95E-07	8.13E-06	1.47E-05	9.88E-07	8.90E-06	1.59E-05	1.15E-06	1.02E-05	1.85E-05	1.22E-06	1.11E-05	1.96E-05	9.84E-07	8.92E-06	1.61E-05
1,221	2.57E-06	2.33E-05	4.16E-05	2.40E-06	2.15E-05	3.89E-05	8.95E-07	8.13E-06	1.47E-05	9.88E-07	8.89E-06	1.59E-05	1.15E-06	1.02E-05	1.85E-05	1.22E-06	1.11E-05	1.96E-05	9.83E-07	8.92E-06	1.61E-05
1,222	2.57E-06	2.33E-05	4.16E-05	2.39E-06	2.15E-05	3.89E-05	8.95E-07	8.12E-06	1.47E-05	9.87E-07	8.89E-06	1.59E-05	1.15E-06	1.02E-05	1.84E-05	1.22E-06	1.11E-05	1.96E-05	9.83E-07	8.92E-06	1.60E-05
1,223	2.57E-06	2.33E-05	4.16E-05	2.39E-06	2.15E-05	3.89E-05	8.95E-07	8.12E-06	1.46E-05	9.86E-07	8.89E-06	1.59E-05	1.15E-06	1.01E-05	1.84E-05	1.22E-06	1.10E-05	1.96E-05	9.82E-07	8.91E-06	1.60E-05
1,224	2.57E-06	2.33E-05	4.16E-05	2.39E-06	2.15E-05	3.89E-05	8.94E-07	8.11E-06	1.46E-05	9.86E-07	8.89E-06	1.59E-05	1.15E-06	1.01E-05	1.84E-05	1.22E-06	1.10E-05	1.96E-05	9.82E-07	8.90E-06	1.60E-05
1,225	2.56E-06	2.33E-05	4.15E-05	2.39E-06	2.15E-05	3.89E-05	8.91E-07	8.11E-06	1.46E-05	9.84E-07	8.88E-06	1.59E-05	1.15E-06	1.01E-05	1.84E-05	1.22E-06	1.10E-05	1.96E-05	9.82E-07	8.90E-06	1.60E-05
1,226	2.56E-06	2.33E-05	4.15E-05	2.39E-06	2.14E-05	3.89E-05	8.90E-07	8.11E-06	1.46E-05	9.83E-07	8.88E-06	1.59E-05	1.15E-06	1.01E-05	1.84E-05	1.21E-06	1.10E-05	1.96E-05	9.81E-07	8.89E-06	1.60E-05
1,227	2.55E-06	2.33E-05	4.15E-05	2.39E-06	2.14E-05	3.88E-05	8.89E-07	8.10E-06	1.46E-05	9.83E-07	8.88E-06	1.59E-05	1.14E-06	1.01E-05	1.84E-05	1.21E-06	1.10E-05	1.96E-05	9.81E-07	8.89E-06	1.60E-05
1,228	2.55E-06	2.33E-05	4.15E-05	2.38E-06	2.14E-05	3.88E-05	8.89E-07	8.10E-06	1.46E-05	9.83E-07	8.87E-06	1.58E-05	1.14E-06	1.01E-05	1.84E-05	1.21E-06	1.10E-05	1.95E-05	9.81E-07	8.89E-06	1.60E-05
1,229	2.55E-06	2.32E-05	4.15E-05	2.38E-06	2.14E-05	3.88E-05	8.89E-07	8.10E-06	1.46E-05	9.82E-07	8.87E-06	1.58E-05	1.14E-06	1.01E-05	1.84E-05	1.21E-06	1.10E-05	1.95E-05	9.80E-07	8.89E-06	1.60E-05
1,230	2.55E-06	2.32E-05	4.15E-05	2.38E-06	2.14E-05	3.88E-05	8.89E-07	8.10E-06	1.46E-05	9.82E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.95E-05	9.78E-07	8.87E-06	1.59E-05
1,231	2.55E-06	2.32E-05	4.15E-05	2.38E-06	2.14E-05	3.87E-05	8.88E-07	8.10E-06	1.46E-05	9.82E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.95E-05	9.76E-07	8.87E-06	1.59E-05
1,232	2.55E-06	2.32E-05	4.14E-05	2.38E-06	2.14E-05	3.87E-05	8.87E-07	8.09E-06	1.46E-05	9.82E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.95E-05	9.75E-07	8.86E-06	1.59E-05
1,233	2.55E-06	2.32E-05	4.14E-05	2.38E-06	2.14E-05	3.87E-05	8.86E-07	8.09E-06	1.46E-05	9.81E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.95E-05	9.75E-07	8.86E-06	1.59E-05
1,234	2.55E-06	2.31E-05	4.14E-05	2.38E-06	2.14E-05	3.86E-05	8.85E-07	8.08E-06	1.46E-05	9.81E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.95E-05	9.74E-07	8.86E-06	1.59E-05
1,235	2.55E-06	2.31E-05	4.14E-05	2.37E-06	2.13E-05	3.86E-05	8.85E-07	8.08E-06	1.46E-05	9.81E-07	8.86E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.10E-05	1.94E-05	9.74E-07	8.84E-06	1.59E-05
1,236	2.54E-06	2.31E-05	4.13E-05	2.37E-06	2.13E-05	3.85E-05	8.84E-07	8.08E-06	1.46E-05	9.80E-07	8.85E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.09E-05	1.94E-05	9.74E-07	8.84E-06	1.59E-05
1,237	2.54E-06	2.31E-05	4.13E-05	2.37E-06	2.13E-05	3.85E-05	8.83E-07	8.08E-06	1.45E-05	9.80E-07	8.84E-06	1.58E-05	1.14E-06	1.01E-05	1.83E-05	1.21E-06	1.09E-05	1.94E-05	9.73E-07	8.83E-06	1.59E-05
1,238	2.54E-06	2.31E-05	4.13E-05	2.37E-06	2.13E-05	3.85E-05	8.83E-07	8.07E-06	1.45E-05	9.80E-07	8.82E-06	1.58E-05	1.14E-06	1.01E-05	1.82E-05	1.21E-06	1.09E-05	1.94E-05	9.73E-07	8.82E-06	1.59E-05
1,239	2.54E-06	2.31E-05	4.13E-05	2.37E-06	2.13E-05	3.84E-05	8.83E-07	8.05E-06	1.45E-05	9.79E-07	8.82E-06	1.57E-05	1.14E-06	1.01E-05	1.82E-05	1.21E-06	1.09E-05	1.94E-05	9.72E-07	8.82E-06	1.59E-05
1,240	2.54E-06	2.31E-05	4.12E-05	2.37E-06	2.13E-05	3.84E-05	8.83E-07	8.05E-06	1.45E-05	9.78E-07	8.82E-06	1.57E-05	1.14E-06	1.01E-05	1.82E-05	1.21E-06	1.09E-05	1.94E-05	9.72E-07	8.81E-06	1.58E-05
1,241	2.54E-06	2.31E-05	4.12E-05	2.37E-06	2.13E-05	3.84E-05	8.82E-07	8.04E-06	1.45E-05	9.77E-07	8.82E-06	1.57E-05	1.14E-06	1.00E-05	1.82E-05	1.21E-06	1.09E-05	1.94E-05	9.72E-07	8.81E-06	1.58E-05
1,242	2.53E-06	2.31E-05	4.12E-05	2.37E-06	2.13E-05	3.84E-05	8.82E-07	8.03E-06	1.45E-05	9.77E-07	8.81E-06	1.57E-05	1.14E-06	1.00E-05	1.82E-05	1.20E-06	1.09E-05	1.94E-05	9.71E-07	8.81E-06	1.58E-05
1,243	2.53E-06	2.30E-05	4.12E-05	2.37E-06	2.12E-05	3.84E-05	8.81E-07	8.02E-06	1.45E-05	9.76E-07	8.79E-06	1.57E-05	1.14E-06	1.00E-05	1.82E-05	1.20E-06	1.09E-05	1.94E-05	9.70E-07	8.80E-06	1.58E-05
1,244	2.53E-06	2.30E-05	4.12E-05	2.37E-06	2.12E-05	3.83E-05	8.81E-07	8.02E-06	1.45E-05	9.75E-07	8.79E-06	1.57E-05	1.14E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.94E-05	9.70E-07	8.79E-06	1.58E-05
1,245	2.52E-06	2.30E-05	4.11E-05	2.37E-06	2.12E-05	3.83E-05	8.81E-07	8.02E-06	1.44E-05	9.74E-07	8.79E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.94E-05	9.70E-07	8.79E-06	1.58E-05
1,246	2.52E-06	2.30E-05	4.11E-05	2.36E-06	2.12E-05	3.83E-05	8.80E-07	8.01E-06	1.44E-05	9.74E-07	8.78E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.94E-05	9.70E-07	8.78E-06	1.58E-05
1,247	2.52E-06	2.30E-05	4.10E-05	2.36E-06	2.12E-05	3.82E-05	8.80E-07	8.01E-06	1.44E-05	9.74E-07	8.78E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.94E-05	9.68E-07	8.77E-06	1.58E-05
1,248	2.52E-06	2.30E-05	4.10E-05	2.36E-06	2.12E-05	3.82E-05	8.80E-07	8.00E-06	1.44E-05	9.74E-07	8.78E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.93E-05	9.68E-07	8.77E-06	1.58E-05
1,249	2.52E-06	2.30E-05	4.10E-05	2.36E-06	2.12E-05	3.82E-05	8.79E-07	7.99E-06	1.44E-05	9.73E-07	8.77E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.93E-05	9.68E-07	8.77E-06	1.58E-05
1,250	2.52E-06	2.30E-05	4.10E-05	2.36E-06	2.12E-05	3.82E-05	8.79E-07	7.99E-06	1.44E-05	9.73E-07	8.76E-06	1.57E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.93E-05	9.68E-07	8.76E-06	1.58E-05
1,251	2.51E-06	2.30E-05	4.10E-05	2.36E-06	2.11E-05	3.82E-05	8.78E-07	7.98E-06	1.44E-05	9.73E-07	8.75E-06	1.56E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.93E-05	9.68E-07	8.73E-06	1.58E-05
1,252	2.51E-06	2.29E-05	4.09E-05	2.36E-06	2.11E-05	3.81E-05	8.78E-07	7.97E-06	1.44E-05	9.72E-07	8.75E-06	1.56E-05	1.13E-06	1.00E-05	1.81E-05	1.20E-06	1.09E-05	1.93E-05	9.67E-07	8.73E-06	1.58E-05
1,253	2.51E-06	2.29E-05	4.09E-05	2.36E-06	2.11E-05	3.81E-05	8.78E-07	7.97E-06	1.44E-05	9.71E-07	8.74E-06	1.56E-05	1.13E-06	1.00E-05	1.81E-05	1.19E-06	1.09E-05	1.93E-05	9.67E-07	8.72E-06	1.58E-05
1,254	2.51E-06	2.29E-05	4.09E-05	2.35E-06	2.11E-05	3.81E-05	8.78E-07	7.96E-06	1.43E-05	9.70E-07	8.74E-06	1.56E-05	1.13E-06	1.00E-05	1.81E-05	1.19E-06	1.09E-05	1.93E-05	9.67E-07	8.71E-06	1.57E-05
1,255	2.50E-06	2.29E-05	4.09E-05	2.35E-06	2.11E-05	3.81E-05	8.78E-07	7.96E-06	1.43E-05	9.70E-07	8.74E-06	1.56E-05	1.13E-06	9.99E-06	1.81E-05	1.19E-06	1.09E-05	1.93E-05	9.66E-07	8.70E-06	1.57E-05
1,256	2.50E-06	2.29E-05	4.08E-05	2.35E-06	2.10E-05	3.81E-05	8.77E-07	7.95E-06	1.43E-05	9.70E-07	8.73E-06	1.56E-05	1.13E-06	9.99E-06	1.80E-05	1.19E-06	1.09E-05	1.93E-05	9.66E-07	8.70E-06	1.57E-05
1,257	2.50E-06	2.29E-05	4.08E-05	2.35E-06	2.10E-05	3.81E-05	8.76E-07	7.95E-06	1.43E-05	9.69E-07	8.72E-06	1.56E-05	1.13E-06	9.99E-06	1.80E-05	1.19E-06	1.09E-05	1.93E-05	9.65E-07	8.69E-06	1.57E-05
1,258	2.50E-06	2.29E-05	4.08E-05	2.35E-06	2.10E-05	3.80E-05	8.76E-07	7.95E-06	1.43E-05	9.68E-07	8.71E-06	1.56E-05	1.12E-06	9.98E-06	1.80E-05	1.19E-06	1.08E-05	1.92E-05	9.65E-07	8.68E-06	1.57E-05
1,259	2.50E-06	2.29E-05	4.08E-05	2.34E-06	2.10E-05	3.80E-05	8.76E-07	7.94E-06	1.43E-05	9.68E-07	8.70E-06	1.56E-05	1.12E-06	9.98E-06	1.80E-05	1.19E-06	1.08E-05	1.92E-05	9.65E-07	8.68E-06	1.57E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,280	2.47E-06	2.25E-05	4.04E-05	2.31E-06	2.08E-05	3.77E-05	8.64E-07	7.82E-06	1.41E-05	9.57E-07	8.62E-06	1.54E-05	1.12E-06	9.85E-06	1.78E-05	1.18E-06	1.07E-05	1.90E-05	9.54E-07	8.59E-06	1.56E-05
1,281	2.47E-06	2.25E-05	4.03E-05	2.31E-06	2.08E-05	3.76E-05	8.64E-07	7.81E-06	1.41E-05	9.56E-07	8.61E-06	1.54E-05	1.11E-06	9.85E-06	1.78E-05	1.18E-06	1.07E-05	1.90E-05	9.54E-07	8.59E-06	1.56E-05
1,282	2.46E-06	2.25E-05	4.03E-05	2.30E-06	2.07E-05	3.76E-05	8.64E-07	7.81E-06	1.41E-05	9.55E-07	8.61E-06	1.54E-05	1.11E-06	9.84E-06	1.78E-05	1.17E-06	1.07E-05	1.90E-05	9.52E-07	8.58E-06	1.56E-05
1,283	2.46E-06	2.25E-05	4.03E-05	2.30E-06	2.07E-05	3.76E-05	8.61E-07	7.80E-06	1.41E-05	9.54E-07	8.60E-06	1.54E-05	1.11E-06	9.84E-06	1.78E-05	1.17E-06	1.07E-05	1.90E-05	9.52E-07	8.58E-06	1.56E-05
1,284	2.46E-06	2.25E-05	4.03E-05	2.30E-06	2.07E-05	3.76E-05	8.61E-07	7.79E-06	1.41E-05	9.54E-07	8.59E-06	1.54E-05	1.11E-06	9.81E-06	1.78E-05	1.17E-06	1.07E-05	1.90E-05	9.52E-07	8.56E-06	1.56E-05
1,285	2.46E-06	2.25E-05	4.03E-05	2.30E-06	2.07E-05	3.76E-05	8.60E-07	7.79E-06	1.41E-05	9.53E-07	8.58E-06	1.54E-05	1.11E-06	9.81E-06	1.77E-05	1.17E-06	1.07E-05	1.90E-05	9.51E-07	8.56E-06	1.56E-05
1,286	2.46E-06	2.24E-05	4.03E-05	2.30E-06	2.07E-05	3.76E-05	8.60E-07	7.79E-06	1.41E-05	9.52E-07	8.58E-06	1.54E-05	1.11E-06	9.81E-06	1.77E-05	1.17E-06	1.07E-05	1.90E-05	9.49E-07	8.56E-06	1.56E-05
1,287	2.46E-06	2.24E-05	4.03E-05	2.30E-06	2.06E-05	3.76E-05	8.59E-07	7.79E-06	1.41E-05	9.52E-07	8.58E-06	1.54E-05	1.11E-06	9.79E-06	1.77E-05	1.17E-06	1.06E-05	1.90E-05	9.48E-07	8.55E-06	1.55E-05
1,288	2.46E-06	2.24E-05	4.03E-05	2.29E-06	2.06E-05	3.75E-05	8.59E-07	7.79E-06	1.41E-05	9.52E-07	8.58E-06	1.54E-05	1.11E-06	9.78E-06	1.77E-05	1.17E-06	1.06E-05	1.90E-05	9.47E-07	8.55E-06	1.55E-05
1,289	2.45E-06	2.24E-05	4.02E-05	2.29E-06	2.06E-05	3.75E-05	8.59E-07	7.78E-06	1.41E-05	9.52E-07	8.57E-06	1.54E-05	1.11E-06	9.77E-06	1.77E-05	1.17E-06	1.06E-05	1.90E-05	9.47E-07	8.55E-06	1.55E-05
1,290	2.45E-06	2.24E-05	4.02E-05	2.29E-06	2.06E-05	3.75E-05	8.58E-07	7.77E-06	1.41E-05	9.52E-07	8.57E-06	1.54E-05	1.11E-06	9.75E-06	1.77E-05	1.17E-06	1.06E-05	1.89E-05	9.46E-07	8.55E-06	1.55E-05
1,291	2.45E-06	2.24E-05	4.02E-05	2.29E-06	2.06E-05	3.75E-05	8.57E-07	7.77E-06	1.41E-05	9.51E-07	8.56E-06	1.54E-05	1.11E-06	9.75E-06	1.77E-05	1.17E-06	1.06E-05	1.89E-05	9.45E-07	8.54E-06	1.55E-05
1,292	2.45E-06	2.24E-05	4.02E-05	2.29E-06	2.06E-05	3.74E-05	8.57E-07	7.77E-06	1.40E-05	9.51E-07	8.54E-06	1.53E-05	1.11E-06	9.74E-06	1.77E-05	1.17E-06	1.06E-05	1.89E-05	9.44E-07	8.53E-06	1.55E-05
1,293	2.45E-06	2.24E-05	4.02E-05	2.29E-06	2.06E-05	3.74E-05	8.56E-07	7.77E-06	1.40E-05	9.51E-07	8.54E-06	1.53E-05	1.11E-06	9.73E-06	1.77E-05	1.17E-06	1.06E-05	1.89E-05	9.44E-07	8.53E-06	1.55E-05
1,294	2.45E-06	2.24E-05	4.01E-05	2.29E-06	2.06E-05	3.74E-05	8.56E-07	7.77E-06	1.40E-05	9.51E-07	8.54E-06	1.53E-05	1.11E-06	9.73E-06	1.76E-05	1.17E-06	1.06E-05	1.89E-05	9.44E-07	8.53E-06	1.55E-05
1,295	2.45E-06	2.24E-05	4.01E-05	2.29E-06	2.05E-05	3.74E-05	8.56E-07	7.77E-06	1.40E-05	9.50E-07	8.53E-06	1.53E-05	1.11E-06	9.73E-06	1.76E-05	1.17E-06	1.06E-05	1.89E-05	9.44E-07	8.53E-06	1.55E-05
1,296	2.44E-06	2.24E-05	4.01E-05	2.29E-06	2.05E-05	3.74E-05	8.55E-07	7.76E-06	1.40E-05	9.50E-07	8.53E-06	1.53E-05	1.11E-06	9.73E-06	1.76E-05	1.17E-06	1.06E-05	1.89E-05	9.43E-07	8.53E-06	1.55E-05
1,297	2.44E-06	2.24E-05	4.01E-05	2.29E-06	2.05E-05	3.74E-05	8.55E-07	7.76E-06	1.40E-05	9.48E-07	8.52E-06	1.53E-05	1.11E-06	9.72E-06	1.76E-05	1.17E-06	1.06E-05	1.89E-05	9.43E-07	8.51E-06	1.55E-05
1,298	2.44E-06	2.24E-05	4.01E-05	2.29E-06	2.05E-05	3.73E-05	8.54E-07	7.74E-06	1.40E-05	9.47E-07	8.51E-06	1.53E-05	1.11E-06	9.71E-06	1.76E-05	1.17E-06	1.06E-05	1.89E-05	9.42E-07	8.51E-06	1.55E-05
1,299	2.44E-06	2.23E-05	4.00E-05	2.29E-06	2.05E-05	3.73E-05	8.53E-07	7.74E-06	1.40E-05	9.47E-07	8.50E-06	1.53E-05	1.11E-06	9.71E-06	1.76E-05	1.16E-06	1.05E-05	1.89E-05	9.41E-07	8.50E-06	1.55E-05
1,300	2.44E-06	2.23E-05	4.00E-05	2.28E-06	2.05E-05	3.73E-05	8.52E-07	7.74E-06	1.40E-05	9.47E-07	8.50E-06	1.53E-05	1.11E-06	9.70E-06	1.76E-05	1.16E-06	1.05E-05	1.89E-05	9.41E-07	8.50E-06	1.55E-05
1,301	2.44E-06	2.23E-05	4.00E-05	2.28E-06	2.05E-05	3.73E-05	8.52E-07	7.74E-06	1.40E-05	9.46E-07	8.50E-06	1.53E-05	1.10E-06	9.70E-06	1.76E-05	1.16E-06	1.05E-05	1.89E-05	9.41E-07	8.50E-06	1.55E-05
1,302	2.44E-06	2.22E-05	3.99E-05	2.28E-06	2.04E-05	3.73E-05	8.52E-07	7.74E-06	1.40E-05	9.46E-07	8.50E-06	1.53E-05	1.10E-06	9.70E-06	1.76E-05	1.16E-06	1.05E-05	1.89E-05	9.40E-07	8.49E-06	1.55E-05
1,303	2.44E-06	2.22E-05	3.99E-05	2.28E-06	2.04E-05	3.72E-05	8.50E-07	7.73E-06	1.40E-05	9.46E-07	8.49E-06	1.53E-05	1.10E-06	9.69E-06	1.76E-05	1.16E-06	1.05E-05	1.88E-05	9.40E-07	8.49E-06	1.55E-05
1,304	2.44E-06	2.22E-05	3.99E-05	2.28E-06	2.04E-05	3.72E-05	8.50E-07	7.73E-06	1.40E-05	9.46E-07	8.49E-06	1.53E-05	1.10E-06	9.69E-06	1.76E-05	1.16E-06	1.05E-05	1.88E-05	9.39E-07	8.49E-06	1.54E-05
1,305	2.43E-06	2.22E-05	3.98E-05	2.28E-06	2.04E-05	3.72E-05	8.49E-07	7.72E-06	1.40E-05	9.46E-07	8.48E-06	1.53E-05	1.10E-06	9.66E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.39E-07	8.48E-06	1.54E-05
1,306	2.43E-06	2.21E-05	3.98E-05	2.28E-06	2.04E-05	3.72E-05	8.49E-07	7.72E-06	1.40E-05	9.46E-07	8.47E-06	1.53E-05	1.10E-06	9.66E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.39E-07	8.48E-06	1.54E-05
1,307	2.43E-06	2.21E-05	3.98E-05	2.27E-06	2.03E-05	3.72E-05	8.49E-07	7.72E-06	1.40E-05	9.45E-07	8.47E-06	1.53E-05	1.10E-06	9.65E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.38E-07	8.48E-06	1.54E-05
1,308	2.43E-06	2.21E-05	3.98E-05	2.27E-06	2.03E-05	3.72E-05	8.48E-07	7.72E-06	1.39E-05	9.45E-07	8.47E-06	1.53E-05	1.10E-06	9.65E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.37E-07	8.48E-06	1.54E-05
1,309	2.43E-06	2.21E-05	3.97E-05	2.27E-06	2.03E-05	3.72E-05	8.48E-07	7.71E-06	1.39E-05	9.45E-07	8.47E-06	1.52E-05	1.10E-06	9.64E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.37E-07	8.47E-06	1.54E-05
1,310	2.42E-06	2.21E-05	3.97E-05	2.27E-06	2.03E-05	3.71E-05	8.48E-07	7.71E-06	1.39E-05	9.45E-07	8.47E-06	1.52E-05	1.10E-06	9.63E-06	1.75E-05	1.16E-06	1.05E-05	1.88E-05	9.36E-07	8.45E-06	1.54E-05
1,311	2.42E-06	2.21E-05	3.97E-05	2.27E-06	2.03E-05	3.70E-05	8.47E-07	7.70E-06	1.39E-05	9.44E-07	8.46E-06	1.52E-05	1.10E-06	9.63E-06	1.75E-05	1.16E-06	1.04E-05	1.88E-05	9.35E-07	8.45E-06	1.54E-05
1,312	2.42E-06	2.21E-05	3.97E-05	2.27E-06	2.03E-05	3.70E-05	8.47E-07	7.69E-06	1.39E-05	9.43E-07	8.46E-06	1.52E-05	1.09E-06	9.63E-06	1.75E-05	1.16E-06	1.04E-05	1.88E-05	9.34E-07	8.45E-06	1.54E-05
1,313	2.42E-06	2.21E-05	3.97E-05	2.27E-06	2.03E-05	3.70E-05	8.46E-07	7.69E-06	1.39E-05	9.43E-07	8.44E-06	1.52E-05	1.09E-06	9.62E-06	1.75E-05	1.15E-06	1.04E-05	1.88E-05	9.34E-07	8.45E-06	1.54E-05
1,314	2.41E-06	2.20E-05	3.96E-05	2.27E-06	2.03E-05	3.70E-05	8.45E-07	7.69E-06	1.39E-05	9.43E-07	8.43E-06	1.52E-05	1.09E-06	9.62E-06	1.75E-05	1.15E-06	1.04E-05	1.87E-05	9.33E-07	8.45E-06	1.54E-05
1,315	2.41E-06	2.20E-05	3.96E-05	2.27E-06	2.02E-05	3.69E-05	8.45E-07	7.69E-06	1.39E-05	9.42E-07	8.43E-06	1.52E-05	1.09E-06	9.62E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.32E-07	8.44E-06	1.54E-05
1,316	2.41E-06	2.20E-05	3.96E-05	2.26E-06	2.02E-05	3.69E-05	8.44E-07	7.68E-06	1.39E-05	9.42E-07	8.42E-06	1.52E-05	1.09E-06	9.60E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.32E-07	8.44E-06	1.54E-05
1,317	2.40E-06	2.20E-05	3.96E-05	2.26E-06	2.02E-05	3.69E-05	8.44E-07	7.67E-06	1.38E-05	9.41E-07	8.42E-06	1.52E-05	1.09E-06	9.60E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.31E-07	8.43E-06	1.54E-05
1,318	2.40E-06	2.20E-05	3.96E-05	2.26E-06	2.02E-05	3.69E-05	8.44E-07	7.67E-06	1.38E-05	9.41E-07	8.41E-06	1.52E-05	1.09E-06	9.60E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.31E-07	8.43E-06	1.54E-05
1,319	2.40E-06	2.20E-05	3.96E-05	2.25E-06	2.02E-05	3.69E-05	8.44E-07	7.66E-06	1.38E-05	9.40E-07	8.41E-06	1.52E-05	1.09E-06	9.59E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.31E-07	8.43E-06	1.54E-05
1,320	2.39E-06	2.19E-05	3.95E-05	2.25E-06	2.02E-05	3.69E-05	8.43E-07	7.66E-06	1.38E-05	9.39E-07	8.41E-06	1.52E-05	1.09E-06	9.59E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.31E-07	8.42E-06	1.54E-05
1,321	2.39E-06	2.19E-05	3.95E-05	2.25E-06	2.01E-05	3.69E-05	8.43E-07	7.66E-06	1.38E-05	9.39E-07	8.41E-06	1.51E-05	1.09E-06	9.59E-06	1.74E-05	1.15E-06	1.04E-05	1.87E-05	9.31E-07	8.42E-06	1.54E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,342	2.36E-06	2.17E-05	3.91E-05	2.22E-06	1.99E-05	3.64E-05	8.35E-07	7.59E-06	1.37E-05	9.25E-07	8.34E-06	1.49E-05	1.07E-06	9.42E-06	1.72E-05	1.14E-06	1.03E-05	1.84E-05	9.21E-07	8.32E-06	1.52E-05
1,343	2.36E-06	2.17E-05	3.91E-05	2.22E-06	1.99E-05	3.64E-05	8.34E-07	7.58E-06	1.37E-05	9.25E-07	8.33E-06	1.49E-05	1.07E-06	9.42E-06	1.72E-05	1.14E-06	1.03E-05	1.84E-05	9.21E-07	8.31E-06	1.52E-05
1,344	2.36E-06	2.17E-05	3.91E-05	2.22E-06	1.98E-05	3.63E-05	8.34E-07	7.58E-06	1.37E-05	9.25E-07	8.33E-06	1.49E-05	1.07E-06	9.41E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.20E-07	8.31E-06	1.52E-05
1,345	2.36E-06	2.16E-05	3.91E-05	2.22E-06	1.98E-05	3.63E-05	8.34E-07	7.57E-06	1.37E-05	9.25E-07	8.33E-06	1.49E-05	1.07E-06	9.40E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.20E-07	8.30E-06	1.52E-05
1,346	2.36E-06	2.16E-05	3.91E-05	2.22E-06	1.98E-05	3.63E-05	8.34E-07	7.57E-06	1.37E-05	9.25E-07	8.33E-06	1.49E-05	1.07E-06	9.40E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.20E-07	8.30E-06	1.52E-05
1,347	2.36E-06	2.16E-05	3.90E-05	2.22E-06	1.98E-05	3.63E-05	8.33E-07	7.57E-06	1.37E-05	9.24E-07	8.33E-06	1.49E-05	1.07E-06	9.40E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.19E-07	8.30E-06	1.52E-05
1,348	2.35E-06	2.16E-05	3.89E-05	2.22E-06	1.98E-05	3.62E-05	8.33E-07	7.56E-06	1.37E-05	9.23E-07	8.33E-06	1.49E-05	1.07E-06	9.39E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.19E-07	8.29E-06	1.52E-05
1,349	2.35E-06	2.16E-05	3.89E-05	2.22E-06	1.98E-05	3.62E-05	8.33E-07	7.56E-06	1.36E-05	9.23E-07	8.32E-06	1.49E-05	1.07E-06	9.38E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.18E-07	8.29E-06	1.51E-05
1,350	2.35E-06	2.16E-05	3.89E-05	2.22E-06	1.97E-05	3.62E-05	8.33E-07	7.56E-06	1.36E-05	9.23E-07	8.31E-06	1.49E-05	1.07E-06	9.38E-06	1.71E-05	1.14E-06	1.02E-05	1.84E-05	9.18E-07	8.28E-06	1.51E-05
1,351	2.35E-06	2.16E-05	3.89E-05	2.21E-06	1.97E-05	3.62E-05	8.33E-07	7.55E-06	1.36E-05	9.22E-07	8.31E-06	1.49E-05	1.07E-06	9.38E-06	1.71E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.28E-06	1.51E-05
1,352	2.34E-06	2.16E-05	3.89E-05	2.21E-06	1.97E-05	3.61E-05	8.32E-07	7.55E-06	1.36E-05	9.22E-07	8.30E-06	1.49E-05	1.07E-06	9.38E-06	1.71E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.27E-06	1.51E-05
1,353	2.34E-06	2.16E-05	3.88E-05	2.21E-06	1.97E-05	3.61E-05	8.32E-07	7.55E-06	1.36E-05	9.21E-07	8.29E-06	1.48E-05	1.07E-06	9.37E-06	1.71E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.27E-06	1.51E-05
1,354	2.34E-06	2.16E-05	3.88E-05	2.21E-06	1.97E-05	3.61E-05	8.32E-07	7.54E-06	1.36E-05	9.21E-07	8.29E-06	1.48E-05	1.06E-06	9.37E-06	1.71E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.26E-06	1.51E-05
1,355	2.34E-06	2.15E-05	3.88E-05	2.21E-06	1.97E-05	3.61E-05	8.30E-07	7.54E-06	1.36E-05	9.20E-07	8.29E-06	1.48E-05	1.06E-06	9.37E-06	1.70E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.26E-06	1.51E-05
1,356	2.34E-06	2.15E-05	3.87E-05	2.21E-06	1.97E-05	3.60E-05	8.30E-07	7.54E-06	1.36E-05	9.20E-07	8.28E-06	1.48E-05	1.06E-06	9.37E-06	1.70E-05	1.14E-06	1.02E-05	1.83E-05	9.17E-07	8.25E-06	1.51E-05
1,357	2.34E-06	2.15E-05	3.87E-05	2.21E-06	1.97E-05	3.60E-05	8.29E-07	7.53E-06	1.36E-05	9.19E-07	8.28E-06	1.48E-05	1.06E-06	9.37E-06	1.70E-05	1.14E-06	1.02E-05	1.83E-05	9.16E-07	8.25E-06	1.51E-05
1,358	2.34E-06	2.15E-05	3.87E-05	2.21E-06	1.96E-05	3.60E-05	8.29E-07	7.53E-06	1.36E-05	9.19E-07	8.28E-06	1.48E-05	1.06E-06	9.35E-06	1.70E-05	1.14E-06	1.01E-05	1.83E-05	9.16E-07	8.25E-06	1.51E-05
1,359	2.34E-06	2.15E-05	3.86E-05	2.20E-06	1.96E-05	3.60E-05	8.28E-07	7.53E-06	1.36E-05	9.19E-07	8.28E-06	1.48E-05	1.06E-06	9.35E-06	1.70E-05	1.14E-06	1.01E-05	1.83E-05	9.15E-07	8.25E-06	1.50E-05
1,360	2.34E-06	2.15E-05	3.86E-05	2.20E-06	1.96E-05	3.60E-05	8.27E-07	7.53E-06	1.36E-05	9.18E-07	8.28E-06	1.48E-05	1.06E-06	9.34E-06	1.70E-05	1.14E-06	1.01E-05	1.83E-05	9.15E-07	8.23E-06	1.50E-05
1,361	2.34E-06	2.15E-05	3.86E-05	2.20E-06	1.96E-05	3.60E-05	8.27E-07	7.52E-06	1.36E-05	9.18E-07	8.28E-06	1.48E-05	1.06E-06	9.34E-06	1.69E-05	1.14E-06	1.01E-05	1.83E-05	9.15E-07	8.22E-06	1.50E-05
1,362	2.34E-06	2.15E-05	3.86E-05	2.20E-06	1.96E-05	3.60E-05	8.27E-07	7.52E-06	1.36E-05	9.18E-07	8.27E-06	1.48E-05	1.06E-06	9.34E-06	1.69E-05	1.13E-06	1.01E-05	1.83E-05	9.15E-07	8.22E-06	1.50E-05
1,363	2.34E-06	2.15E-05	3.86E-05	2.20E-06	1.96E-05	3.60E-05	8.27E-07	7.52E-06	1.36E-05	9.17E-07	8.27E-06	1.48E-05	1.06E-06	9.32E-06	1.69E-05	1.13E-06	1.01E-05	1.83E-05	9.14E-07	8.22E-06	1.50E-05
1,364	2.34E-06	2.14E-05	3.85E-05	2.20E-06	1.96E-05	3.60E-05	8.26E-07	7.52E-06	1.36E-05	9.17E-07	8.27E-06	1.48E-05	1.06E-06	9.32E-06	1.69E-05	1.13E-06	1.01E-05	1.83E-05	9.14E-07	8.21E-06	1.50E-05
1,365	2.34E-06	2.14E-05	3.85E-05	2.20E-06	1.96E-05	3.59E-05	8.26E-07	7.51E-06	1.36E-05	9.17E-07	8.25E-06	1.48E-05	1.06E-06	9.32E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.12E-07	8.21E-06	1.50E-05
1,366	2.34E-06	2.14E-05	3.85E-05	2.20E-06	1.96E-05	3.59E-05	8.26E-07	7.51E-06	1.36E-05	9.16E-07	8.24E-06	1.47E-05	1.06E-06	9.32E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.11E-07	8.21E-06	1.50E-05
1,367	2.34E-06	2.14E-05	3.85E-05	2.20E-06	1.96E-05	3.59E-05	8.25E-07	7.50E-06	1.36E-05	9.15E-07	8.24E-06	1.47E-05	1.06E-06	9.31E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.11E-07	8.21E-06	1.50E-05
1,368	2.33E-06	2.14E-05	3.85E-05	2.20E-06	1.96E-05	3.58E-05	8.25E-07	7.50E-06	1.36E-05	9.15E-07	8.23E-06	1.47E-05	1.06E-06	9.31E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.10E-07	8.20E-06	1.50E-05
1,369	2.33E-06	2.14E-05	3.85E-05	2.19E-06	1.95E-05	3.58E-05	8.25E-07	7.50E-06	1.36E-05	9.15E-07	8.22E-06	1.47E-05	1.06E-06	9.30E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.09E-07	8.20E-06	1.50E-05
1,370	2.33E-06	2.13E-05	3.84E-05	2.19E-06	1.95E-05	3.58E-05	8.25E-07	7.50E-06	1.35E-05	9.15E-07	8.21E-06	1.47E-05	1.06E-06	9.29E-06	1.69E-05	1.13E-06	1.01E-05	1.82E-05	9.08E-07	8.19E-06	1.50E-05
1,371	2.32E-06	2.13E-05	3.84E-05	2.19E-06	1.95E-05	3.58E-05	8.24E-07	7.49E-06	1.35E-05	9.15E-07	8.20E-06	1.47E-05	1.06E-06	9.29E-06	1.68E-05	1.13E-06	1.01E-05	1.82E-05	9.07E-07	8.18E-06	1.50E-05
1,372	2.32E-06	2.13E-05	3.84E-05	2.19E-06	1.95E-05	3.58E-05	8.24E-07	7.49E-06	1.35E-05	9.14E-07	8.20E-06	1.47E-05	1.06E-06	9.27E-06	1.68E-05	1.13E-06	1.01E-05	1.82E-05	9.07E-07	8.18E-06	1.49E-05
1,373	2.32E-06	2.13E-05	3.83E-05	2.19E-06	1.95E-05	3.58E-05	8.23E-07	7.48E-06	1.35E-05	9.14E-07	8.20E-06	1.47E-05	1.06E-06	9.27E-06	1.68E-05	1.13E-06	1.01E-05	1.81E-05	9.07E-07	8.17E-06	1.49E-05
1,374	2.32E-06	2.13E-05	3.83E-05	2.19E-06	1.95E-05	3.58E-05	8.22E-07	7.48E-06	1.35E-05	9.13E-07	8.19E-06	1.47E-05	1.06E-06	9.26E-06	1.68E-05	1.13E-06	1.01E-05	1.81E-05	9.06E-07	8.17E-06	1.49E-05
1,375	2.32E-06	2.13E-05	3.83E-05	2.19E-06	1.95E-05	3.58E-05	8.22E-07	7.47E-06	1.35E-05	9.13E-07	8.19E-06	1.47E-05	1.06E-06	9.26E-06	1.68E-05	1.13E-06	1.01E-05	1.81E-05	9.06E-07	8.17E-06	1.49E-05
1,376	2.32E-06	2.13E-05	3.82E-05	2.18E-06	1.95E-05	3.57E-05	8.21E-07	7.47E-06	1.35E-05	9.12E-07	8.18E-06	1.47E-05	1.06E-06	9.26E-06	1.68E-05	1.13E-06	1.01E-05	1.81E-05	9.05E-07	8.16E-06	1.49E-05
1,377	2.32E-06	2.12E-05	3.82E-05	2.18E-06	1.95E-05	3.57E-05	8.21E-07	7.47E-06	1.35E-05	9.12E-07	8.18E-06	1.47E-05	1.06E-06	9.25E-06	1.68E-05	1.13E-06	1.01E-05	1.81E-05	9.05E-07	8.16E-06	1.49E-05
1,378	2.32E-06	2.12E-05	3.81E-05	2.18E-06	1.95E-05	3.57E-05	8.21E-07	7.46E-06	1.35E-05	9.12E-07	8.17E-06	1.47E-05	1.06E-06	9.25E-06	1.68E-05	1.13E-06	1.00E-05	1.81E-05	9.04E-07	8.15E-06	1.49E-05
1,379	2.31E-06	2.12E-05	3.81E-05	2.18E-06	1.95E-05	3.57E-05	8.21E-07	7.46E-06	1.34E-05	9.11E-07	8.17E-06	1.47E-05	1.06E-06	9.24E-06	1.68E-05	1.13E-06	1.00E-05	1.81E-05	9.04E-07	8.15E-06	1.49E-05
1,380	2.31E-06	2.12E-05	3.81E-05	2.18E-06	1.95E-05	3.56E-05	8.20E-07	7.45E-06	1.34E-05	9.11E-07	8.17E-06	1.47E-05	1.06E-06	9.24E-06	1.68E-05	1.12E-06	1.00E-05	1.81E-05	9.04E-07	8.15E-06	1.49E-05
1,381	2.31E-06	2.12E-05	3.81E-05	2.18E-06	1.95E-05	3.56E-05	8.20E-07	7.44E-06	1.34E-05	9.10E-07	8.17E-06	1.47E-05	1.06E-06	9.24E-06	1.68E-05	1.12E-06	1.00E-05	1.81E-05	9.03E-07	8.14E-06	1.49E-05
1,382	2.31E-06	2.12E-05	3.80E-05	2.18E-06	1.95E-05	3.56E-05	8.20E-07	7.43E-06	1.34E-05	9.10E-07	8.17E-06	1.46E-05	1.06E-06	9.24E-06	1.68E-05	1.12E-06	1.00E-05	1.81E-05	9.03E-07	8.14E-06	1.49E-05
1,383	2.31E-06	2.12E-05	3.80E-05	2.18E-06	1.95E-05	3.56E-05	8.20E-07	7.43E-06	1.34E-05	9.08E-07	8.16E-06	1.46E-05	1.06E-06	9.23E-06	1.68E-05	1.12E-06	1.00E-05	1.81E-05	9.02E-07	8.14E-06	1.49E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,404	2.29E-06	2.09E-05	3.73E-05	2.16E-06	1.92E-05	3.50E-05	8.10E-07	7.34E-06	1.33E-05	8.93E-07	8.04E-06	1.44E-05	1.04E-06	9.13E-06	1.66E-05	1.12E-06	9.90E-06	1.78E-05	8.94E-07	8.00E-06	1.47E-05
1,405	2.29E-06	2.09E-05	3.72E-05	2.16E-06	1.92E-05	3.50E-05	8.09E-07	7.33E-06	1.33E-05	8.93E-07	8.03E-06	1.44E-05	1.04E-06	9.13E-06	1.65E-05	1.11E-06	9.90E-06	1.78E-05	8.93E-07	8.00E-06	1.47E-05
1,406	2.29E-06	2.09E-05	3.72E-05	2.15E-06	1.92E-05	3.50E-05	8.09E-07	7.33E-06	1.33E-05	8.92E-07	8.03E-06	1.44E-05	1.04E-06	9.12E-06	1.65E-05	1.11E-06	9.90E-06	1.78E-05	8.93E-07	8.00E-06	1.47E-05
1,407	2.29E-06	2.09E-05	3.71E-05	2.15E-06	1.91E-05	3.50E-05	8.08E-07	7.33E-06	1.33E-05	8.91E-07	8.03E-06	1.44E-05	1.04E-06	9.12E-06	1.65E-05	1.11E-06	9.89E-06	1.78E-05	8.93E-07	7.99E-06	1.47E-05
1,408	2.29E-06	2.08E-05	3.71E-05	2.15E-06	1.91E-05	3.50E-05	8.07E-07	7.32E-06	1.33E-05	8.91E-07	8.03E-06	1.44E-05	1.04E-06	9.11E-06	1.65E-05	1.11E-06	9.89E-06	1.78E-05	8.93E-07	7.98E-06	1.47E-05
1,409	2.29E-06	2.08E-05	3.70E-05	2.15E-06	1.91E-05	3.49E-05	8.06E-07	7.32E-06	1.33E-05	8.91E-07	8.02E-06	1.44E-05	1.04E-06	9.11E-06	1.65E-05	1.11E-06	9.89E-06	1.78E-05	8.93E-07	7.98E-06	1.47E-05
1,410	2.29E-06	2.08E-05	3.70E-05	2.14E-06	1.91E-05	3.49E-05	8.06E-07	7.31E-06	1.33E-05	8.90E-07	8.02E-06	1.44E-05	1.04E-06	9.09E-06	1.65E-05	1.11E-06	9.88E-06	1.77E-05	8.92E-07	7.98E-06	1.47E-05
1,411	2.28E-06	2.08E-05	3.70E-05	2.14E-06	1.91E-05	3.49E-05	8.06E-07	7.31E-06	1.33E-05	8.89E-07	8.02E-06	1.44E-05	1.04E-06	9.09E-06	1.65E-05	1.11E-06	9.88E-06	1.77E-05	8.91E-07	7.98E-06	1.46E-05
1,412	2.28E-06	2.08E-05	3.70E-05	2.14E-06	1.91E-05	3.49E-05	8.05E-07	7.31E-06	1.33E-05	8.89E-07	8.00E-06	1.44E-05	1.04E-06	9.09E-06	1.65E-05	1.11E-06	9.88E-06	1.77E-05	8.91E-07	7.98E-06	1.46E-05
1,413	2.28E-06	2.08E-05	3.69E-05	2.14E-06	1.91E-05	3.49E-05	8.04E-07	7.31E-06	1.33E-05	8.88E-07	7.99E-06	1.44E-05	1.04E-06	9.09E-06	1.65E-05	1.11E-06	9.86E-06	1.77E-05	8.90E-07	7.97E-06	1.46E-05
1,414	2.28E-06	2.08E-05	3.69E-05	2.14E-06	1.91E-05	3.49E-05	8.04E-07	7.31E-06	1.32E-05	8.88E-07	7.99E-06	1.44E-05	1.04E-06	9.09E-06	1.65E-05	1.11E-06	9.86E-06	1.77E-05	8.90E-07	7.97E-06	1.46E-05
1,415	2.28E-06	2.08E-05	3.69E-05	2.14E-06	1.91E-05	3.48E-05	8.03E-07	7.29E-06	1.32E-05	8.88E-07	7.99E-06	1.44E-05	1.04E-06	9.08E-06	1.65E-05	1.11E-06	9.86E-06	1.77E-05	8.90E-07	7.97E-06	1.46E-05
1,416	2.28E-06	2.07E-05	3.69E-05	2.14E-06	1.90E-05	3.48E-05	8.02E-07	7.28E-06	1.32E-05	8.87E-07	7.99E-06	1.43E-05	1.04E-06	9.07E-06	1.65E-05	1.11E-06	9.86E-06	1.77E-05	8.90E-07	7.96E-06	1.46E-05
1,417	2.28E-06	2.07E-05	3.69E-05	2.14E-06	1.90E-05	3.48E-05	8.02E-07	7.28E-06	1.32E-05	8.87E-07	7.99E-06	1.43E-05	1.03E-06	9.07E-06	1.64E-05	1.11E-06	9.85E-06	1.77E-05	8.90E-07	7.96E-06	1.46E-05
1,418	2.28E-06	2.07E-05	3.69E-05	2.14E-06	1.90E-05	3.48E-05	8.01E-07	7.28E-06	1.32E-05	8.86E-07	7.98E-06	1.43E-05	1.03E-06	9.07E-06	1.64E-05	1.11E-06	9.85E-06	1.77E-05	8.89E-07	7.96E-06	1.46E-05
1,419	2.27E-06	2.07E-05	3.68E-05	2.14E-06	1.90E-05	3.48E-05	8.00E-07	7.27E-06	1.32E-05	8.86E-07	7.98E-06	1.43E-05	1.03E-06	9.07E-06	1.64E-05	1.11E-06	9.85E-06	1.77E-05	8.89E-07	7.94E-06	1.46E-05
1,420	2.27E-06	2.07E-05	3.68E-05	2.14E-06	1.90E-05	3.48E-05	7.99E-07	7.27E-06	1.32E-05	8.86E-07	7.98E-06	1.43E-05	1.03E-06	9.06E-06	1.64E-05	1.11E-06	9.85E-06	1.77E-05	8.89E-07	7.94E-06	1.46E-05
1,421	2.27E-06	2.07E-05	3.68E-05	2.13E-06	1.90E-05	3.47E-05	7.99E-07	7.27E-06	1.32E-05	8.85E-07	7.98E-06	1.43E-05	1.03E-06	9.06E-06	1.64E-05	1.11E-06	9.84E-06	1.77E-05	8.89E-07	7.94E-06	1.46E-05
1,422	2.27E-06	2.07E-05	3.67E-05	2.13E-06	1.90E-05	3.47E-05	7.99E-07	7.27E-06	1.32E-05	8.85E-07	7.98E-06	1.43E-05	1.03E-06	9.06E-06	1.64E-05	1.11E-06	9.83E-06	1.77E-05	8.89E-07	7.93E-06	1.46E-05
1,423	2.27E-06	2.07E-05	3.67E-05	2.13E-06	1.90E-05	3.47E-05	7.99E-07	7.27E-06	1.32E-05	8.85E-07	7.97E-06	1.43E-05	1.03E-06	9.06E-06	1.64E-05	1.10E-06	9.82E-06	1.77E-05	8.88E-07	7.93E-06	1.46E-05
1,424	2.27E-06	2.07E-05	3.67E-05	2.13E-06	1.90E-05	3.47E-05	7.98E-07	7.26E-06	1.32E-05	8.85E-07	7.96E-06	1.43E-05	1.03E-06	9.06E-06	1.64E-05	1.10E-06	9.81E-06	1.76E-05	8.88E-07	7.92E-06	1.46E-05
1,425	2.27E-06	2.07E-05	3.67E-05	2.12E-06	1.90E-05	3.47E-05	7.98E-07	7.25E-06	1.32E-05	8.84E-07	7.95E-06	1.43E-05	1.03E-06	9.05E-06	1.64E-05	1.10E-06	9.81E-06	1.76E-05	8.87E-07	7.92E-06	1.45E-05
1,426	2.27E-06	2.07E-05	3.66E-05	2.12E-06	1.89E-05	3.47E-05	7.96E-07	7.25E-06	1.32E-05	8.84E-07	7.94E-06	1.43E-05	1.03E-06	9.04E-06	1.64E-05	1.10E-06	9.81E-06	1.76E-05	8.87E-07	7.92E-06	1.45E-05
1,427	2.27E-06	2.06E-05	3.66E-05	2.12E-06	1.89E-05	3.47E-05	7.94E-07	7.25E-06	1.32E-05	8.84E-07	7.94E-06	1.42E-05	1.03E-06	9.04E-06	1.64E-05	1.10E-06	9.81E-06	1.76E-05	8.87E-07	7.92E-06	1.45E-05
1,428	2.26E-06	2.06E-05	3.66E-05	2.12E-06	1.89E-05	3.46E-05	7.93E-07	7.24E-06	1.32E-05	8.83E-07	7.93E-06	1.42E-05	1.03E-06	9.03E-06	1.64E-05	1.10E-06	9.81E-06	1.76E-05	8.87E-07	7.92E-06	1.45E-05
1,429	2.26E-06	2.06E-05	3.66E-05	2.12E-06	1.89E-05	3.46E-05	7.93E-07	7.24E-06	1.32E-05	8.83E-07	7.93E-06	1.42E-05	1.03E-06	9.03E-06	1.64E-05	1.10E-06	9.80E-06	1.76E-05	8.87E-07	7.91E-06	1.45E-05
1,430	2.26E-06	2.06E-05	3.65E-05	2.12E-06	1.89E-05	3.46E-05	7.93E-07	7.24E-06	1.32E-05	8.83E-07	7.93E-06	1.42E-05	1.03E-06	9.02E-06	1.64E-05	1.10E-06	9.80E-06	1.76E-05	8.86E-07	7.90E-06	1.45E-05
1,431	2.26E-06	2.06E-05	3.65E-05	2.12E-06	1.89E-05	3.46E-05	7.93E-07	7.23E-06	1.31E-05	8.83E-07	7.93E-06	1.42E-05	1.03E-06	9.01E-06	1.64E-05	1.10E-06	9.78E-06	1.76E-05	8.86E-07	7.90E-06	1.45E-05
1,432	2.26E-06	2.06E-05	3.65E-05	2.12E-06	1.89E-05	3.46E-05	7.93E-07	7.23E-06	1.31E-05	8.83E-07	7.92E-06	1.42E-05	1.03E-06	9.01E-06	1.63E-05	1.10E-06	9.78E-06	1.76E-05	8.86E-07	7.90E-06	1.45E-05
1,433	2.26E-06	2.06E-05	3.64E-05	2.12E-06	1.89E-05	3.45E-05	7.92E-07	7.23E-06	1.31E-05	8.82E-07	7.92E-06	1.42E-05	1.03E-06	9.00E-06	1.63E-05	1.10E-06	9.78E-06	1.76E-05	8.86E-07	7.90E-06	1.45E-05
1,434	2.26E-06	2.06E-05	3.64E-05	2.12E-06	1.89E-05	3.45E-05	7.92E-07	7.23E-06	1.31E-05	8.81E-07	7.91E-06	1.42E-05	1.03E-06	9.00E-06	1.63E-05	1.10E-06	9.78E-06	1.76E-05	8.86E-07	7.89E-06	1.45E-05
1,435	2.25E-06	2.06E-05	3.64E-05	2.12E-06	1.89E-05	3.45E-05	7.92E-07	7.23E-06	1.31E-05	8.81E-07	7.91E-06	1.42E-05	1.03E-06	9.00E-06	1.63E-05	1.10E-06	9.76E-06	1.76E-05	8.84E-07	7.88E-06	1.45E-05
1,436	2.25E-06	2.05E-05	3.64E-05	2.12E-06	1.89E-05	3.45E-05	7.92E-07	7.22E-06	1.31E-05	8.81E-07	7.90E-06	1.42E-05	1.03E-06	9.00E-06	1.63E-05	1.10E-06	9.76E-06	1.76E-05	8.84E-07	7.88E-06	1.45E-05
1,437	2.25E-06	2.05E-05	3.64E-05	2.11E-06	1.89E-05	3.45E-05	7.91E-07	7.22E-06	1.31E-05	8.80E-07	7.90E-06	1.42E-05	1.03E-06	9.00E-06	1.63E-05	1.10E-06	9.75E-06	1.76E-05	8.83E-07	7.88E-06	1.44E-05
1,438	2.25E-06	2.05E-05	3.63E-05	2.11E-06	1.88E-05	3.45E-05	7.90E-07	7.21E-06	1.31E-05	8.80E-07	7.90E-06	1.42E-05	1.02E-06	8.99E-06	1.63E-05	1.10E-06	9.75E-06	1.76E-05	8.83E-07	7.87E-06	1.44E-05
1,439	2.25E-06	2.05E-05	3.63E-05	2.11E-06	1.88E-05	3.45E-05	7.90E-07	7.21E-06	1.31E-05	8.79E-07	7.90E-06	1.42E-05	1.02E-06	8.98E-06	1.63E-05	1.10E-06	9.75E-06	1.76E-05	8.82E-07	7.87E-06	1.44E-05
1,440	2.25E-06	2.04E-05	3.63E-05	2.11E-06	1.88E-05	3.45E-05	7.89E-07	7.21E-06	1.31E-05	8.79E-07	7.90E-06	1.42E-05	1.02E-06	8.98E-06	1.63E-05	1.10E-06	9.75E-06	1.75E-05	8.82E-07	7.87E-06	1.44E-05
1,441	2.25E-06	2.04E-05	3.63E-05	2.11E-06	1.88E-05	3.44E-05	7.89E-07	7.20E-06	1.31E-05	8.79E-07	7.89E-06	1.41E-05	1.02E-06	8.98E-06	1.63E-05	1.10E-06	9.74E-06	1.75E-05	8.82E-07	7.86E-06	1.44E-05
1,442	2.25E-06	2.04E-05	3.63E-05	2.11E-06	1.87E-05	3.44E-05	7.89E-07	7.20E-06	1.31E-05	8.78E-07	7.89E-06	1.41E-05	1.02E-06	8.98E-06	1.63E-05	1.09E-06	9.74E-06	1.75E-05	8.82E-07	7.86E-06	1.44E-05
1,443	2.25E-06	2.04E-05	3.63E-05	2.10E-06	1.87E-05	3.44E-05	7.89E-07	7.19E-06	1.30E-05	8.77E-07	7.89E-06	1.41E-05	1.02E-06	8.97E-06	1.63E-05	1.09E-06	9.73E-06	1.75E-05	8.82E-07	7.86E-06	1.44E-05
1,444	2.25E-06	2.04E-05	3.63E-05	2.10E-06	1.87E-05	3.44E-05	7.89E-07	7.19E-06	1.30E-05	8.76E-07	7.89E-06	1.41E-05	1.02E-06	8.97E-06	1.63E-05	1.09E-06	9.72E-06	1.75E-05	8.81E-07	7.86E-06	1.44E-05
1,445	2.24E-06	2.04E-05	3.62E-05	2.10E-06	1.87E-05	3.44E-05	7.89E-07	7.19E-06	1.30E-05	8.76E-07	7.87E-06	1.41E-05	1.02E-06	8.97E-06	1.63E-05	1.09E-06	9.71E-06	1.75E-05	8.81E-07	7.85E-06	1.44E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,466	2.22E-06	2.01E-05	3.60E-05	2.07E-06	1.85E-05	3.39E-05	7.80E-07	7.10E-06	1.28E-05	8.63E-07	7.78E-06	1.40E-05	1.01E-06	8.87E-06	1.61E-05	1.08E-06	9.57E-06	1.73E-05	8.70E-07	7.77E-06	1.42E-05
1,467	2.22E-06	2.01E-05	3.60E-05	2.07E-06	1.85E-05	3.39E-05	7.79E-07	7.09E-06	1.28E-05	8.63E-07	7.78E-06	1.40E-05	1.01E-06	8.86E-06	1.61E-05	1.08E-06	9.56E-06	1.73E-05	8.69E-07	7.77E-06	1.42E-05
1,468	2.22E-06	2.01E-05	3.60E-05	2.07E-06	1.84E-05	3.39E-05	7.79E-07	7.08E-06	1.28E-05	8.63E-07	7.77E-06	1.40E-05	1.01E-06	8.86E-06	1.61E-05	1.08E-06	9.55E-06	1.72E-05	8.69E-07	7.76E-06	1.42E-05
1,469	2.22E-06	2.01E-05	3.60E-05	2.07E-06	1.84E-05	3.39E-05	7.78E-07	7.07E-06	1.28E-05	8.62E-07	7.77E-06	1.40E-05	1.01E-06	8.86E-06	1.61E-05	1.08E-06	9.55E-06	1.72E-05	8.68E-07	7.76E-06	1.42E-05
1,470	2.22E-06	2.01E-05	3.59E-05	2.06E-06	1.84E-05	3.38E-05	7.77E-07	7.07E-06	1.28E-05	8.62E-07	7.76E-06	1.40E-05	1.01E-06	8.85E-06	1.61E-05	1.08E-06	9.54E-06	1.72E-05	8.68E-07	7.76E-06	1.42E-05
1,471	2.21E-06	2.01E-05	3.59E-05	2.06E-06	1.84E-05	3.38E-05	7.76E-07	7.07E-06	1.28E-05	8.60E-07	7.76E-06	1.40E-05	1.01E-06	8.85E-06	1.61E-05	1.08E-06	9.54E-06	1.72E-05	8.68E-07	7.76E-06	1.42E-05
1,472	2.21E-06	2.01E-05	3.59E-05	2.06E-06	1.84E-05	3.38E-05	7.76E-07	7.07E-06	1.28E-05	8.60E-07	7.76E-06	1.40E-05	1.01E-06	8.84E-06	1.61E-05	1.08E-06	9.53E-06	1.72E-05	8.65E-07	7.76E-06	1.42E-05
1,473	2.21E-06	2.01E-05	3.59E-05	2.06E-06	1.83E-05	3.38E-05	7.75E-07	7.07E-06	1.28E-05	8.60E-07	7.76E-06	1.40E-05	1.01E-06	8.84E-06	1.61E-05	1.08E-06	9.52E-06	1.72E-05	8.65E-07	7.76E-06	1.41E-05
1,474	2.21E-06	2.01E-05	3.59E-05	2.06E-06	1.83E-05	3.38E-05	7.75E-07	7.07E-06	1.28E-05	8.59E-07	7.75E-06	1.40E-05	1.01E-06	8.84E-06	1.61E-05	1.08E-06	9.52E-06	1.72E-05	8.64E-07	7.75E-06	1.41E-05
1,475	2.21E-06	2.00E-05	3.59E-05	2.05E-06	1.83E-05	3.37E-05	7.75E-07	7.07E-06	1.28E-05	8.58E-07	7.75E-06	1.39E-05	1.01E-06	8.84E-06	1.61E-05	1.08E-06	9.51E-06	1.72E-05	8.63E-07	7.75E-06	1.41E-05
1,476	2.21E-06	2.00E-05	3.59E-05	2.05E-06	1.83E-05	3.37E-05	7.75E-07	7.07E-06	1.28E-05	8.58E-07	7.75E-06	1.39E-05	1.00E-06	8.84E-06	1.61E-05	1.08E-06	9.51E-06	1.72E-05	8.63E-07	7.75E-06	1.41E-05
1,477	2.20E-06	2.00E-05	3.59E-05	2.05E-06	1.82E-05	3.37E-05	7.74E-07	7.07E-06	1.28E-05	8.58E-07	7.75E-06	1.39E-05	1.00E-06	8.83E-06	1.61E-05	1.07E-06	9.50E-06	1.72E-05	8.62E-07	7.75E-06	1.41E-05
1,478	2.20E-06	2.00E-05	3.58E-05	2.05E-06	1.82E-05	3.37E-05	7.74E-07	7.06E-06	1.28E-05	8.57E-07	7.75E-06	1.39E-05	1.00E-06	8.83E-06	1.60E-05	1.07E-06	9.50E-06	1.72E-05	8.62E-07	7.74E-06	1.41E-05
1,479	2.20E-06	2.00E-05	3.58E-05	2.05E-06	1.82E-05	3.37E-05	7.74E-07	7.06E-06	1.28E-05	8.57E-07	7.74E-06	1.39E-05	1.00E-06	8.83E-06	1.60E-05	1.07E-06	9.49E-06	1.72E-05	8.62E-07	7.74E-06	1.41E-05
1,480	2.20E-06	2.00E-05	3.58E-05	2.05E-06	1.82E-05	3.36E-05	7.73E-07	7.05E-06	1.28E-05	8.57E-07	7.73E-06	1.39E-05	1.00E-06	8.80E-06	1.60E-05	1.07E-06	9.48E-06	1.72E-05	8.61E-07	7.74E-06	1.41E-05
1,481	2.20E-06	2.00E-05	3.58E-05	2.05E-06	1.82E-05	3.36E-05	7.73E-07	7.05E-06	1.27E-05	8.56E-07	7.72E-06	1.39E-05	1.00E-06	8.80E-06	1.60E-05	1.07E-06	9.48E-06	1.72E-05	8.61E-07	7.73E-06	1.41E-05
1,482	2.20E-06	2.00E-05	3.58E-05	2.04E-06	1.82E-05	3.35E-05	7.72E-07	7.03E-06	1.27E-05	8.56E-07	7.72E-06	1.39E-05	1.00E-06	8.79E-06	1.60E-05	1.07E-06	9.48E-06	1.72E-05	8.61E-07	7.73E-06	1.41E-05
1,483	2.20E-06	1.99E-05	3.57E-05	2.04E-06	1.82E-05	3.35E-05	7.71E-07	7.03E-06	1.27E-05	8.55E-07	7.72E-06	1.39E-05	1.00E-06	8.79E-06	1.60E-05	1.07E-06	9.47E-06	1.72E-05	8.60E-07	7.72E-06	1.41E-05
1,484	2.20E-06	1.99E-05	3.56E-05	2.04E-06	1.82E-05	3.35E-05	7.71E-07	7.03E-06	1.27E-05	8.55E-07	7.71E-06	1.39E-05	1.00E-06	8.78E-06	1.60E-05	1.07E-06	9.47E-06	1.72E-05	8.60E-07	7.72E-06	1.41E-05
1,485	2.19E-06	1.99E-05	3.56E-05	2.04E-06	1.82E-05	3.35E-05	7.71E-07	7.02E-06	1.27E-05	8.54E-07	7.71E-06	1.39E-05	1.00E-06	8.78E-06	1.60E-05	1.07E-06	9.47E-06	1.72E-05	8.60E-07	7.71E-06	1.41E-05
1,486	2.19E-06	1.99E-05	3.56E-05	2.03E-06	1.82E-05	3.34E-05	7.71E-07	7.02E-06	1.27E-05	8.53E-07	7.70E-06	1.39E-05	1.00E-06	8.77E-06	1.59E-05	1.07E-06	9.47E-06	1.71E-05	8.60E-07	7.71E-06	1.40E-05
1,487	2.19E-06	1.99E-05	3.56E-05	2.03E-06	1.82E-05	3.34E-05	7.70E-07	7.01E-06	1.27E-05	8.53E-07	7.70E-06	1.39E-05	1.00E-06	8.77E-06	1.59E-05	1.07E-06	9.47E-06	1.71E-05	8.59E-07	7.71E-06	1.40E-05
1,488	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.82E-05	3.34E-05	7.69E-07	7.01E-06	1.27E-05	8.53E-07	7.69E-06	1.39E-05	9.98E-07	8.76E-06	1.59E-05	1.07E-06	9.43E-06	1.71E-05	8.59E-07	7.70E-06	1.40E-05
1,489	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.82E-05	3.34E-05	7.69E-07	7.00E-06	1.27E-05	8.52E-07	7.69E-06	1.39E-05	9.98E-07	8.76E-06	1.59E-05	1.07E-06	9.43E-06	1.71E-05	8.59E-07	7.70E-06	1.40E-05
1,490	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.82E-05	3.34E-05	7.69E-07	6.99E-06	1.27E-05	8.52E-07	7.68E-06	1.38E-05	9.98E-07	8.76E-06	1.59E-05	1.07E-06	9.43E-06	1.71E-05	8.59E-07	7.70E-06	1.40E-05
1,491	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.81E-05	3.34E-05	7.69E-07	6.99E-06	1.27E-05	8.52E-07	7.68E-06	1.38E-05	9.96E-07	8.76E-06	1.59E-05	1.07E-06	9.42E-06	1.71E-05	8.58E-07	7.70E-06	1.40E-05
1,492	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.81E-05	3.34E-05	7.68E-07	6.98E-06	1.27E-05	8.51E-07	7.67E-06	1.38E-05	9.96E-07	8.75E-06	1.59E-05	1.07E-06	9.42E-06	1.71E-05	8.58E-07	7.70E-06	1.40E-05
1,493	2.19E-06	1.99E-05	3.55E-05	2.03E-06	1.81E-05	3.33E-05	7.68E-07	6.98E-06	1.27E-05	8.50E-07	7.66E-06	1.38E-05	9.94E-07	8.75E-06	1.59E-05	1.07E-06	9.42E-06	1.71E-05	8.57E-07	7.70E-06	1.40E-05
1,494	2.19E-06	1.99E-05	3.55E-05	2.02E-06	1.81E-05	3.33E-05	7.67E-07	6.98E-06	1.27E-05	8.50E-07	7.66E-06	1.38E-05	9.93E-07	8.74E-06	1.59E-05	1.07E-06	9.42E-06	1.71E-05	8.57E-07	7.70E-06	1.40E-05
1,495	2.19E-06	1.99E-05	3.54E-05	2.02E-06	1.81E-05	3.33E-05	7.67E-07	6.97E-06	1.26E-05	8.49E-07	7.64E-06	1.38E-05	9.93E-07	8.74E-06	1.59E-05	1.07E-06	9.42E-06	1.71E-05	8.56E-07	7.68E-06	1.40E-05
1,496	2.19E-06	1.99E-05	3.54E-05	2.02E-06	1.81E-05	3.33E-05	7.66E-07	6.97E-06	1.26E-05	8.49E-07	7.63E-06	1.38E-05	9.93E-07	8.73E-06	1.59E-05	1.07E-06	9.41E-06	1.71E-05	8.56E-07	7.67E-06	1.40E-05
1,497	2.19E-06	1.99E-05	3.54E-05	2.02E-06	1.80E-05	3.33E-05	7.66E-07	6.97E-06	1.26E-05	8.49E-07	7.63E-06	1.38E-05	9.92E-07	8.73E-06	1.59E-05	1.07E-06	9.41E-06	1.70E-05	8.56E-07	7.66E-06	1.40E-05
1,498	2.18E-06	1.99E-05	3.54E-05	2.02E-06	1.80E-05	3.33E-05	7.66E-07	6.97E-06	1.26E-05	8.49E-07	7.63E-06	1.38E-05	9.91E-07	8.73E-06	1.59E-05	1.07E-06	9.41E-06	1.70E-05	8.55E-07	7.65E-06	1.40E-05
1,499	2.18E-06	1.98E-05	3.54E-05	2.02E-06	1.80E-05	3.33E-05	7.65E-07	6.96E-06	1.26E-05	8.48E-07	7.62E-06	1.38E-05	9.90E-07	8.73E-06	1.58E-05	1.07E-06	9.40E-06	1.70E-05	8.55E-07	7.65E-06	1.40E-05
1,500	2.18E-06	1.98E-05	3.54E-05	2.02E-06	1.80E-05	3.32E-05	7.65E-07	6.95E-06	1.26E-05	8.48E-07	7.61E-06	1.38E-05	9.89E-07	8.72E-06	1.58E-05	1.07E-06	9.40E-06	1.70E-05	8.55E-07	7.64E-06	1.40E-05
1,501	2.18E-06	1.98E-05	3.54E-05	2.02E-06	1.80E-05	3.32E-05	7.65E-07	6.95E-06	1.26E-05	8.47E-07	7.61E-06	1.38E-05	9.89E-07	8.72E-06	1.58E-05	1.07E-06	9.39E-06	1.70E-05	8.55E-07	7.64E-06	1.39E-05
1,502	2.18E-06	1.98E-05	3.54E-05	2.01E-06	1.80E-05	3.32E-05	7.64E-07	6.95E-06	1.26E-05	8.47E-07	7.59E-06	1.38E-05	9.89E-07	8.71E-06	1.58E-05	1.07E-06	9.37E-06	1.70E-05	8.53E-07	7.63E-06	1.39E-05
1,503	2.18E-06	1.98E-05	3.54E-05	2.01E-06	1.80E-05	3.32E-05	7.64E-07	6.94E-06	1.26E-05	8.47E-07	7.59E-06	1.37E-05	9.88E-07	8.70E-06	1.58E-05	1.07E-06	9.37E-06	1.70E-05	8.53E-07	7.63E-06	1.39E-05
1,504	2.18E-06	1.98E-05	3.53E-05	2.01E-06	1.80E-05	3.32E-05	7.64E-07	6.93E-06	1.26E-05	8.46E-07	7.59E-06	1.37E-05	9.87E-07	8.70E-06	1.58E-05	1.07E-06	9.36E-06	1.70E-05	8.53E-07	7.62E-06	1.39E-05
1,505	2.17E-06	1.98E-05	3.53E-05	2.01E-06	1.80E-05	3.31E-05	7.64E-07	6.93E-06	1.26E-05	8.46E-07	7.59E-06	1.37E-05	9.86E-07	8.70E-06	1.58E-05	1.06E-06	9.35E-06	1.70E-05	8.53E-07	7.62E-06	1.39E-05
1,506	2.17E-06	1.98E-05	3.53E-05	2.01E-06	1.80E-05	3.31E-05	7.63E-07	6.93E-06	1.26E-05	8.45E-07	7.58E-06	1.37E-05	9.86E-07	8.70E-06	1.58E-05	1.06E-06	9.33E-06	1.70E-05	8.53E-07	7.62E-06	1.39E-05
1,507	2.17E-06	1.98E-05	3.53E-05	2.01E-06	1.80E-05	3.31E-05	7.62E-07	6.92E-06	1.26E-05	8.45E-07	7.58E-06	1.37E-05	9.86E-07	8.70E-06	1.58E-05	1.06E-06	9.31E-06	1.70E-05	8.53E-07	7.61E-06	1.39E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,528	2.15E-06	1.95E-05	3.48E-05	1.99E-06	1.77E-05	3.25E-05	7.54E-07	6.82E-06	1.24E-05	8.35E-07	7.48E-06	1.35E-05	9.78E-07	8.59E-06	1.56E-05	1.05E-06	9.20E-06	1.68E-05	8.45E-07	7.54E-06	1.37E-05
1,529	2.15E-06	1.95E-05	3.48E-05	1.99E-06	1.77E-05	3.25E-05	7.54E-07	6.81E-06	1.24E-05	8.34E-07	7.48E-06	1.35E-05	9.78E-07	8.59E-06	1.56E-05	1.05E-06	9.20E-06	1.68E-05	8.45E-07	7.54E-06	1.37E-05
1,530	2.14E-06	1.95E-05	3.48E-05	1.99E-06	1.77E-05	3.25E-05	7.54E-07	6.81E-06	1.24E-05	8.34E-07	7.48E-06	1.35E-05	9.76E-07	8.58E-06	1.56E-05	1.05E-06	9.19E-06	1.68E-05	8.44E-07	7.54E-06	1.37E-05
1,531	2.14E-06	1.95E-05	3.48E-05	1.99E-06	1.77E-05	3.25E-05	7.53E-07	6.80E-06	1.24E-05	8.34E-07	7.48E-06	1.35E-05	9.76E-07	8.58E-06	1.56E-05	1.05E-06	9.19E-06	1.68E-05	8.44E-07	7.53E-06	1.37E-05
1,532	2.14E-06	1.95E-05	3.48E-05	1.98E-06	1.77E-05	3.25E-05	7.53E-07	6.80E-06	1.24E-05	8.34E-07	7.48E-06	1.35E-05	9.75E-07	8.58E-06	1.56E-05	1.05E-06	9.18E-06	1.68E-05	8.44E-07	7.53E-06	1.37E-05
1,533	2.14E-06	1.95E-05	3.48E-05	1.98E-06	1.77E-05	3.25E-05	7.52E-07	6.80E-06	1.24E-05	8.33E-07	7.47E-06	1.35E-05	9.75E-07	8.57E-06	1.56E-05	1.05E-06	9.18E-06	1.68E-05	8.44E-07	7.52E-06	1.37E-05
1,534	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.77E-05	3.25E-05	7.52E-07	6.80E-06	1.24E-05	8.33E-07	7.47E-06	1.35E-05	9.75E-07	8.57E-06	1.56E-05	1.05E-06	9.17E-06	1.68E-05	8.44E-07	7.52E-06	1.36E-05
1,535	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.77E-05	3.25E-05	7.51E-07	6.80E-06	1.24E-05	8.33E-07	7.45E-06	1.35E-05	9.75E-07	8.57E-06	1.56E-05	1.05E-06	9.16E-06	1.68E-05	8.44E-07	7.52E-06	1.36E-05
1,536	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.77E-05	3.25E-05	7.51E-07	6.79E-06	1.24E-05	8.33E-07	7.45E-06	1.34E-05	9.75E-07	8.57E-06	1.56E-05	1.05E-06	9.16E-06	1.68E-05	8.44E-07	7.52E-06	1.36E-05
1,537	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.77E-05	3.24E-05	7.50E-07	6.79E-06	1.24E-05	8.33E-07	7.45E-06	1.34E-05	9.75E-07	8.56E-06	1.56E-05	1.05E-06	9.15E-06	1.68E-05	8.44E-07	7.52E-06	1.36E-05
1,538	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.76E-05	3.24E-05	7.50E-07	6.79E-06	1.24E-05	8.32E-07	7.45E-06	1.34E-05	9.74E-07	8.56E-06	1.56E-05	1.05E-06	9.15E-06	1.67E-05	8.43E-07	7.51E-06	1.36E-05
1,539	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.76E-05	3.24E-05	7.50E-07	6.79E-06	1.24E-05	8.32E-07	7.44E-06	1.34E-05	9.73E-07	8.56E-06	1.56E-05	1.05E-06	9.15E-06	1.67E-05	8.43E-07	7.51E-06	1.36E-05
1,540	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.76E-05	3.24E-05	7.50E-07	6.79E-06	1.23E-05	8.31E-07	7.44E-06	1.34E-05	9.73E-07	8.56E-06	1.56E-05	1.05E-06	9.14E-06	1.67E-05	8.42E-07	7.51E-06	1.36E-05
1,541	2.14E-06	1.95E-05	3.47E-05	1.98E-06	1.76E-05	3.24E-05	7.50E-07	6.78E-06	1.23E-05	8.30E-07	7.44E-06	1.34E-05	9.73E-07	8.54E-06	1.56E-05	1.05E-06	9.13E-06	1.67E-05	8.42E-07	7.51E-06	1.36E-05
1,542	2.13E-06	1.95E-05	3.47E-05	1.98E-06	1.76E-05	3.24E-05	7.50E-07	6.78E-06	1.23E-05	8.30E-07	7.43E-06	1.34E-05	9.73E-07	8.54E-06	1.56E-05	1.05E-06	9.13E-06	1.67E-05	8.41E-07	7.51E-06	1.36E-05
1,543	2.13E-06	1.94E-05	3.47E-05	1.97E-06	1.76E-05	3.24E-05	7.49E-07	6.78E-06	1.23E-05	8.29E-07	7.43E-06	1.34E-05	9.72E-07	8.54E-06	1.56E-05	1.05E-06	9.12E-06	1.67E-05	8.41E-07	7.50E-06	1.36E-05
1,544	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.76E-05	3.24E-05	7.49E-07	6.77E-06	1.23E-05	8.29E-07	7.43E-06	1.34E-05	9.72E-07	8.52E-06	1.56E-05	1.05E-06	9.12E-06	1.67E-05	8.41E-07	7.50E-06	1.36E-05
1,545	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.76E-05	3.24E-05	7.48E-07	6.77E-06	1.23E-05	8.29E-07	7.42E-06	1.34E-05	9.71E-07	8.52E-06	1.56E-05	1.05E-06	9.12E-06	1.66E-05	8.40E-07	7.49E-06	1.35E-05
1,546	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.76E-05	3.23E-05	7.47E-07	6.77E-06	1.23E-05	8.28E-07	7.42E-06	1.34E-05	9.71E-07	8.52E-06	1.56E-05	1.05E-06	9.11E-06	1.66E-05	8.40E-07	7.49E-06	1.35E-05
1,547	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.75E-05	3.23E-05	7.47E-07	6.77E-06	1.23E-05	8.28E-07	7.42E-06	1.34E-05	9.70E-07	8.52E-06	1.56E-05	1.05E-06	9.11E-06	1.66E-05	8.39E-07	7.49E-06	1.35E-05
1,548	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.75E-05	3.23E-05	7.46E-07	6.77E-06	1.23E-05	8.27E-07	7.41E-06	1.34E-05	9.69E-07	8.50E-06	1.56E-05	1.05E-06	9.10E-06	1.66E-05	8.39E-07	7.49E-06	1.35E-05
1,549	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.75E-05	3.23E-05	7.46E-07	6.77E-06	1.23E-05	8.27E-07	7.40E-06	1.34E-05	9.69E-07	8.49E-06	1.55E-05	1.04E-06	9.10E-06	1.66E-05	8.38E-07	7.48E-06	1.35E-05
1,550	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.75E-05	3.22E-05	7.46E-07	6.76E-06	1.23E-05	8.27E-07	7.40E-06	1.34E-05	9.69E-07	8.48E-06	1.55E-05	1.04E-06	9.09E-06	1.66E-05	8.38E-07	7.47E-06	1.35E-05
1,551	2.13E-06	1.94E-05	3.46E-05	1.97E-06	1.75E-05	3.22E-05	7.45E-07	6.76E-06	1.23E-05	8.27E-07	7.40E-06	1.33E-05	9.69E-07	8.47E-06	1.55E-05	1.04E-06	9.08E-06	1.66E-05	8.37E-07	7.47E-06	1.35E-05
1,552	2.13E-06	1.93E-05	3.46E-05	1.97E-06	1.75E-05	3.22E-05	7.45E-07	6.76E-06	1.23E-05	8.27E-07	7.40E-06	1.33E-05	9.69E-07	8.44E-06	1.55E-05	1.04E-06	9.08E-06	1.66E-05	8.36E-07	7.47E-06	1.35E-05
1,553	2.12E-06	1.93E-05	3.46E-05	1.97E-06	1.75E-05	3.21E-05	7.44E-07	6.75E-06	1.23E-05	8.26E-07	7.40E-06	1.33E-05	9.69E-07	8.44E-06	1.55E-05	1.04E-06	9.07E-06	1.66E-05	8.36E-07	7.46E-06	1.35E-05
1,554	2.12E-06	1.93E-05	3.46E-05	1.96E-06	1.75E-05	3.21E-05	7.44E-07	6.74E-06	1.23E-05	8.26E-07	7.40E-06	1.33E-05	9.68E-07	8.44E-06	1.55E-05	1.04E-06	9.07E-06	1.66E-05	8.35E-07	7.46E-06	1.35E-05
1,555	2.12E-06	1.93E-05	3.46E-05	1.96E-06	1.74E-05	3.21E-05	7.44E-07	6.74E-06	1.23E-05	8.25E-07	7.39E-06	1.33E-05	9.67E-07	8.43E-06	1.55E-05	1.04E-06	9.07E-06	1.66E-05	8.35E-07	7.46E-06	1.35E-05
1,556	2.12E-06	1.93E-05	3.45E-05	1.96E-06	1.74E-05	3.21E-05	7.44E-07	6.74E-06	1.23E-05	8.23E-07	7.39E-06	1.33E-05	9.67E-07	8.42E-06	1.55E-05	1.04E-06	9.06E-06	1.66E-05	8.35E-07	7.46E-06	1.35E-05
1,557	2.12E-06	1.93E-05	3.45E-05	1.96E-06	1.74E-05	3.21E-05	7.43E-07	6.74E-06	1.23E-05	8.23E-07	7.39E-06	1.33E-05	9.67E-07	8.42E-06	1.55E-05	1.04E-06	9.06E-06	1.65E-05	8.35E-07	7.46E-06	1.35E-05
1,558	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.74E-05	3.21E-05	7.43E-07	6.73E-06	1.23E-05	8.22E-07	7.39E-06	1.33E-05	9.67E-07	8.42E-06	1.54E-05	1.04E-06	9.06E-06	1.65E-05	8.34E-07	7.46E-06	1.35E-05
1,559	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.74E-05	3.21E-05	7.43E-07	6.73E-06	1.22E-05	8.22E-07	7.39E-06	1.33E-05	9.66E-07	8.42E-06	1.54E-05	1.04E-06	9.05E-06	1.65E-05	8.34E-07	7.46E-06	1.35E-05
1,560	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.73E-06	1.22E-05	8.22E-07	7.39E-06	1.33E-05	9.66E-07	8.41E-06	1.54E-05	1.04E-06	9.05E-06	1.65E-05	8.33E-07	7.46E-06	1.35E-05
1,561	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.72E-06	1.22E-05	8.21E-07	7.39E-06	1.33E-05	9.66E-07	8.41E-06	1.54E-05	1.04E-06	9.04E-06	1.65E-05	8.33E-07	7.46E-06	1.35E-05
1,562	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.72E-06	1.22E-05	8.19E-07	7.38E-06	1.33E-05	9.66E-07	8.41E-06	1.54E-05	1.04E-06	9.03E-06	1.65E-05	8.32E-07	7.45E-06	1.35E-05
1,563	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.71E-06	1.22E-05	8.19E-07	7.38E-06	1.33E-05	9.66E-07	8.41E-06	1.54E-05	1.04E-06	9.03E-06	1.65E-05	8.31E-07	7.44E-06	1.34E-05
1,564	2.12E-06	1.92E-05	3.45E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.71E-06	1.22E-05	8.19E-07	7.38E-06	1.33E-05	9.65E-07	8.41E-06	1.54E-05	1.04E-06	9.03E-06	1.65E-05	8.31E-07	7.43E-06	1.34E-05
1,565	2.12E-06	1.91E-05	3.44E-05	1.96E-06	1.73E-05	3.20E-05	7.42E-07	6.71E-06	1.22E-05	8.19E-07	7.38E-06	1.33E-05	9.64E-07	8.39E-06	1.54E-05	1.04E-06	9.03E-06	1.65E-05	8.31E-07	7.43E-06	1.34E-05
1,566	2.12E-06	1.91E-05	3.44E-05	1.96E-06	1.73E-05	3.19E-05	7.42E-07	6.70E-06	1.22E-05	8.18E-07	7.37E-06	1.33E-05	9.64E-07	8.38E-06	1.54E-05	1.04E-06	9.02E-06	1.65E-05	8.30E-07	7.43E-06	1.34E-05
1,567	2.11E-06	1.91E-05	3.43E-05	1.96E-06	1.73E-05	3.19E-05	7.41E-07	6.69E-06	1.22E-05	8.18E-07	7.37E-06	1.32E-05	9.64E-07	8.38E-06	1.54E-05	1.03E-06	9.01E-06	1.65E-05	8.30E-07	7.42E-06	1.34E-05
1,568	2.11E-06	1.91E-05	3.43E-05	1.96E-06	1.73E-05	3.18E-05	7.41E-07	6.69E-06	1.22E-05	8.18E-07	7.37E-06	1.32E-05	9.64E-07	8.38E-06	1.54E-05	1.03E-06	9.01E-06	1.65E-05	8.29E-07	7.42E-06	1.34E-05
1,569	2.11E-06	1.91E-05	3.43E-05	1.96E-06	1.73E-05	3.18E-05	7.40E-07	6.69E-06	1.22E-05	8.18E-07	7.37E-06	1.32E-05	9.63E-07	8.38E-06	1.54E-05	1.03E-06	9.00E-06	1.65E-05	8.28E-07	7.42E-06	1.34E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,590	2.10E-06	1.89E-05	3.41E-05	1.93E-06	1.70E-05	3.14E-05	7.33E-07	6.61E-06	1.21E-05	8.09E-07	7.32E-06	1.31E-05	9.57E-07	8.32E-06	1.53E-05	1.02E-06	8.91E-06	1.63E-05	8.20E-07	7.35E-06	1.33E-05
1,591	2.09E-06	1.89E-05	3.40E-05	1.93E-06	1.70E-05	3.14E-05	7.33E-07	6.60E-06	1.21E-05	8.09E-07	7.32E-06	1.31E-05	9.56E-07	8.32E-06	1.53E-05	1.02E-06	8.91E-06	1.63E-05	8.18E-07	7.35E-06	1.32E-05
1,592	2.09E-06	1.89E-05	3.40E-05	1.93E-06	1.70E-05	3.14E-05	7.32E-07	6.59E-06	1.21E-05	8.09E-07	7.32E-06	1.31E-05	9.55E-07	8.32E-06	1.52E-05	1.02E-06	8.90E-06	1.63E-05	8.18E-07	7.35E-06	1.32E-05
1,593	2.09E-06	1.89E-05	3.40E-05	1.93E-06	1.70E-05	3.14E-05	7.32E-07	6.59E-06	1.21E-05	8.08E-07	7.31E-06	1.31E-05	9.54E-07	8.31E-06	1.52E-05	1.02E-06	8.90E-06	1.63E-05	8.17E-07	7.35E-06	1.32E-05
1,594	2.09E-06	1.89E-05	3.40E-05	1.93E-06	1.70E-05	3.14E-05	7.32E-07	6.59E-06	1.21E-05	8.08E-07	7.31E-06	1.31E-05	9.53E-07	8.30E-06	1.52E-05	1.02E-06	8.89E-06	1.63E-05	8.17E-07	7.34E-06	1.32E-05
1,595	2.09E-06	1.89E-05	3.39E-05	1.93E-06	1.70E-05	3.13E-05	7.31E-07	6.59E-06	1.21E-05	8.08E-07	7.31E-06	1.31E-05	9.53E-07	8.30E-06	1.52E-05	1.02E-06	8.88E-06	1.63E-05	8.17E-07	7.34E-06	1.32E-05
1,596	2.09E-06	1.89E-05	3.39E-05	1.93E-06	1.70E-05	3.13E-05	7.30E-07	6.59E-06	1.21E-05	8.07E-07	7.31E-06	1.31E-05	9.53E-07	8.29E-06	1.52E-05	1.02E-06	8.88E-06	1.63E-05	8.17E-07	7.33E-06	1.32E-05
1,597	2.09E-06	1.88E-05	3.39E-05	1.93E-06	1.69E-05	3.12E-05	7.30E-07	6.58E-06	1.21E-05	8.07E-07	7.31E-06	1.31E-05	9.52E-07	8.29E-06	1.52E-05	1.02E-06	8.88E-06	1.63E-05	8.15E-07	7.33E-06	1.32E-05
1,598	2.09E-06	1.88E-05	3.39E-05	1.93E-06	1.69E-05	3.12E-05	7.30E-07	6.58E-06	1.20E-05	8.07E-07	7.30E-06	1.31E-05	9.52E-07	8.29E-06	1.52E-05	1.02E-06	8.86E-06	1.63E-05	8.15E-07	7.33E-06	1.32E-05
1,599	2.09E-06	1.88E-05	3.39E-05	1.92E-06	1.69E-05	3.12E-05	7.30E-07	6.57E-06	1.20E-05	8.06E-07	7.30E-06	1.31E-05	9.51E-07	8.29E-06	1.52E-05	1.02E-06	8.85E-06	1.63E-05	8.14E-07	7.33E-06	1.32E-05
1,600	2.08E-06	1.88E-05	3.39E-05	1.92E-06	1.69E-05	3.12E-05	7.30E-07	6.57E-06	1.20E-05	8.06E-07	7.30E-06	1.31E-05	9.50E-07	8.28E-06	1.52E-05	1.02E-06	8.84E-06	1.63E-05	8.14E-07	7.32E-06	1.32E-05
1,601	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.12E-05	7.29E-07	6.56E-06	1.20E-05	8.06E-07	7.29E-06	1.31E-05	9.49E-07	8.28E-06	1.52E-05	1.02E-06	8.83E-06	1.63E-05	8.13E-07	7.32E-06	1.32E-05
1,602	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.12E-05	7.28E-07	6.56E-06	1.20E-05	8.05E-07	7.29E-06	1.31E-05	9.48E-07	8.27E-06	1.52E-05	1.02E-06	8.83E-06	1.63E-05	8.13E-07	7.32E-06	1.32E-05
1,603	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.12E-05	7.28E-07	6.55E-06	1.20E-05	8.05E-07	7.29E-06	1.30E-05	9.48E-07	8.27E-06	1.52E-05	1.01E-06	8.83E-06	1.63E-05	8.13E-07	7.32E-06	1.32E-05
1,604	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.12E-05	7.28E-07	6.55E-06	1.20E-05	8.05E-07	7.29E-06	1.30E-05	9.48E-07	8.27E-06	1.52E-05	1.01E-06	8.83E-06	1.63E-05	8.12E-07	7.31E-06	1.31E-05
1,605	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.11E-05	7.28E-07	6.54E-06	1.20E-05	8.04E-07	7.28E-06	1.30E-05	9.47E-07	8.27E-06	1.51E-05	1.01E-06	8.83E-06	1.63E-05	8.12E-07	7.31E-06	1.31E-05
1,606	2.08E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.11E-05	7.27E-07	6.54E-06	1.20E-05	8.04E-07	7.28E-06	1.30E-05	9.47E-07	8.27E-06	1.51E-05	1.01E-06	8.82E-06	1.63E-05	8.12E-07	7.31E-06	1.31E-05
1,607	2.07E-06	1.88E-05	3.38E-05	1.92E-06	1.69E-05	3.11E-05	7.26E-07	6.54E-06	1.20E-05	8.04E-07	7.27E-06	1.30E-05	9.46E-07	8.26E-06	1.51E-05	1.01E-06	8.82E-06	1.63E-05	8.11E-07	7.30E-06	1.31E-05
1,608	2.07E-06	1.88E-05	3.37E-05	1.91E-06	1.69E-05	3.11E-05	7.25E-07	6.54E-06	1.20E-05	8.04E-07	7.27E-06	1.30E-05	9.46E-07	8.26E-06	1.51E-05	1.01E-06	8.82E-06	1.63E-05	8.11E-07	7.30E-06	1.31E-05
1,609	2.07E-06	1.88E-05	3.37E-05	1.91E-06	1.69E-05	3.11E-05	7.25E-07	6.54E-06	1.20E-05	8.03E-07	7.27E-06	1.30E-05	9.46E-07	8.25E-06	1.51E-05	1.01E-06	8.82E-06	1.62E-05	8.10E-07	7.30E-06	1.31E-05
1,610	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.69E-05	3.11E-05	7.24E-07	6.53E-06	1.20E-05	8.02E-07	7.26E-06	1.30E-05	9.46E-07	8.25E-06	1.51E-05	1.01E-06	8.82E-06	1.62E-05	8.10E-07	7.29E-06	1.31E-05
1,611	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.69E-05	3.11E-05	7.24E-07	6.53E-06	1.20E-05	8.02E-07	7.26E-06	1.30E-05	9.45E-07	8.23E-06	1.51E-05	1.01E-06	8.81E-06	1.62E-05	8.10E-07	7.28E-06	1.31E-05
1,612	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.69E-05	3.11E-05	7.24E-07	6.53E-06	1.20E-05	8.02E-07	7.26E-06	1.30E-05	9.45E-07	8.23E-06	1.51E-05	1.01E-06	8.81E-06	1.62E-05	8.10E-07	7.28E-06	1.31E-05
1,613	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.68E-05	3.11E-05	7.24E-07	6.53E-06	1.20E-05	8.02E-07	7.26E-06	1.30E-05	9.45E-07	8.20E-06	1.51E-05	1.01E-06	8.81E-06	1.62E-05	8.10E-07	7.27E-06	1.31E-05
1,614	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.68E-05	3.11E-05	7.24E-07	6.52E-06	1.20E-05	8.01E-07	7.26E-06	1.30E-05	9.43E-07	8.20E-06	1.51E-05	1.01E-06	8.80E-06	1.62E-05	8.09E-07	7.27E-06	1.31E-05
1,615	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.68E-05	3.11E-05	7.24E-07	6.50E-06	1.20E-05	8.01E-07	7.24E-06	1.30E-05	9.43E-07	8.19E-06	1.51E-05	1.01E-06	8.80E-06	1.62E-05	8.09E-07	7.27E-06	1.31E-05
1,616	2.07E-06	1.87E-05	3.37E-05	1.91E-06	1.68E-05	3.11E-05	7.23E-07	6.50E-06	1.20E-05	8.00E-07	7.24E-06	1.30E-05	9.42E-07	8.19E-06	1.51E-05	1.01E-06	8.80E-06	1.62E-05	8.08E-07	7.26E-06	1.31E-05
1,617	2.06E-06	1.87E-05	3.37E-05	1.90E-06	1.68E-05	3.11E-05	7.22E-07	6.49E-06	1.19E-05	8.00E-07	7.23E-06	1.30E-05	9.42E-07	8.19E-06	1.50E-05	1.01E-06	8.78E-06	1.62E-05	8.08E-07	7.26E-06	1.31E-05
1,618	2.06E-06	1.87E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.22E-07	6.49E-06	1.19E-05	8.00E-07	7.23E-06	1.30E-05	9.42E-07	8.19E-06	1.50E-05	1.01E-06	8.78E-06	1.62E-05	8.06E-07	7.26E-06	1.31E-05
1,619	2.06E-06	1.87E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.22E-07	6.49E-06	1.19E-05	7.99E-07	7.23E-06	1.30E-05	9.42E-07	8.18E-06	1.50E-05	1.01E-06	8.78E-06	1.62E-05	8.06E-07	7.26E-06	1.31E-05
1,620	2.06E-06	1.87E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.21E-07	6.48E-06	1.19E-05	7.98E-07	7.22E-06	1.29E-05	9.41E-07	8.18E-06	1.50E-05	1.01E-06	8.77E-06	1.62E-05	8.06E-07	7.25E-06	1.31E-05
1,621	2.06E-06	1.86E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.21E-07	6.48E-06	1.19E-05	7.98E-07	7.22E-06	1.29E-05	9.41E-07	8.18E-06	1.50E-05	1.01E-06	8.77E-06	1.61E-05	8.05E-07	7.25E-06	1.31E-05
1,622	2.06E-06	1.86E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.21E-07	6.48E-06	1.19E-05	7.98E-07	7.22E-06	1.29E-05	9.40E-07	8.17E-06	1.50E-05	1.01E-06	8.77E-06	1.61E-05	8.04E-07	7.24E-06	1.31E-05
1,623	2.06E-06	1.86E-05	3.36E-05	1.90E-06	1.67E-05	3.10E-05	7.21E-07	6.47E-06	1.19E-05	7.97E-07	7.21E-06	1.29E-05	9.40E-07	8.16E-06	1.50E-05	1.01E-06	8.76E-06	1.61E-05	8.04E-07	7.24E-06	1.31E-05
1,624	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.67E-05	3.09E-05	7.20E-07	6.47E-06	1.19E-05	7.97E-07	7.21E-06	1.29E-05	9.40E-07	8.15E-06	1.50E-05	1.01E-06	8.75E-06	1.61E-05	8.04E-07	7.24E-06	1.30E-05
1,625	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.67E-05	3.09E-05	7.19E-07	6.47E-06	1.19E-05	7.97E-07	7.21E-06	1.29E-05	9.39E-07	8.15E-06	1.50E-05	1.01E-06	8.75E-06	1.61E-05	8.04E-07	7.23E-06	1.30E-05
1,626	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.66E-05	3.09E-05	7.18E-07	6.46E-06	1.19E-05	7.97E-07	7.21E-06	1.29E-05	9.39E-07	8.14E-06	1.50E-05	1.01E-06	8.75E-06	1.61E-05	8.03E-07	7.23E-06	1.30E-05
1,627	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.66E-05	3.09E-05	7.18E-07	6.46E-06	1.19E-05	7.97E-07	7.20E-06	1.29E-05	9.38E-07	8.14E-06	1.50E-05	1.00E-06	8.75E-06	1.61E-05	8.03E-07	7.22E-06	1.30E-05
1,628	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.66E-05	3.09E-05	7.18E-07	6.46E-06	1.19E-05	7.96E-07	7.20E-06	1.29E-05	9.38E-07	8.13E-06	1.50E-05	1.00E-06	8.75E-06	1.61E-05	8.03E-07	7.22E-06	1.30E-05
1,629	2.06E-06	1.86E-05	3.35E-05	1.90E-06	1.66E-05	3.09E-05	7.17E-07	6.46E-06	1.19E-05	7.95E-07	7.19E-06	1.29E-05	9.37E-07	8.13E-06	1.50E-05	1.00E-06	8.74E-06	1.61E-05	8.01E-07	7.21E-06	1.30E-05
1,630	2.06E-06	1.85E-05	3.35E-05	1.89E-06	1.66E-05	3.09E-05	7.17E-07	6.46E-06	1.19E-05	7.95E-07	7.19E-06	1.29E-05	9.37E-07	8.13E-06	1.50E-05	1.00E-06	8.74E-06	1.61E-05	8.01E-07	7.21E-06	1.30E-05
1,631	2.06E-06	1.85E-05	3.35E-05	1.89E-06	1.66E-05	3.08E-05	7.17E-07	6.46E-06	1.19E-05	7.95E-07	7.19E-06	1.29E-05	9.36E-07	8.12E-06	1.50E-05	1.00E-06	8.73E-06	1.61E-05	8.01E-07	7.20E-06	1.30E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,652	2.04E-06	1.84E-05	3.32E-05	1.88E-06	1.64E-05	3.05E-05	7.09E-07	6.39E-06	1.18E-05	7.88E-07	7.11E-06	1.28E-05	9.28E-07	8.05E-06	1.48E-05	9.87E-07	8.61E-06	1.60E-05	7.92E-07	7.11E-06	1.28E-05
1,653	2.04E-06	1.83E-05	3.32E-05	1.88E-06	1.64E-05	3.05E-05	7.08E-07	6.39E-06	1.18E-05	7.88E-07	7.11E-06	1.28E-05	9.27E-07	8.05E-06	1.48E-05	9.87E-07	8.61E-06	1.60E-05	7.92E-07	7.10E-06	1.28E-05
1,654	2.04E-06	1.83E-05	3.31E-05	1.88E-06	1.64E-05	3.05E-05	7.08E-07	6.39E-06	1.18E-05	7.87E-07	7.11E-06	1.28E-05	9.27E-07	8.05E-06	1.48E-05	9.87E-07	8.59E-06	1.60E-05	7.91E-07	7.10E-06	1.28E-05
1,655	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.64E-05	3.04E-05	7.08E-07	6.38E-06	1.18E-05	7.87E-07	7.11E-06	1.28E-05	9.26E-07	8.05E-06	1.48E-05	9.86E-07	8.58E-06	1.60E-05	7.91E-07	7.09E-06	1.28E-05
1,656	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.64E-05	3.04E-05	7.08E-07	6.37E-06	1.18E-05	7.85E-07	7.11E-06	1.28E-05	9.25E-07	8.05E-06	1.48E-05	9.86E-07	8.56E-06	1.60E-05	7.91E-07	7.09E-06	1.28E-05
1,657	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.64E-05	3.04E-05	7.08E-07	6.37E-06	1.18E-05	7.84E-07	7.10E-06	1.28E-05	9.24E-07	8.03E-06	1.48E-05	9.85E-07	8.55E-06	1.59E-05	7.91E-07	7.09E-06	1.28E-05
1,658	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.63E-05	3.04E-05	7.07E-07	6.36E-06	1.18E-05	7.83E-07	7.10E-06	1.28E-05	9.24E-07	8.03E-06	1.48E-05	9.85E-07	8.54E-06	1.59E-05	7.91E-07	7.09E-06	1.28E-05
1,659	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.63E-05	3.03E-05	7.06E-07	6.36E-06	1.18E-05	7.83E-07	7.10E-06	1.28E-05	9.24E-07	8.02E-06	1.47E-05	9.85E-07	8.53E-06	1.59E-05	7.91E-07	7.09E-06	1.28E-05
1,660	2.03E-06	1.83E-05	3.31E-05	1.88E-06	1.63E-05	3.03E-05	7.06E-07	6.36E-06	1.18E-05	7.81E-07	7.09E-06	1.28E-05	9.23E-07	8.01E-06	1.47E-05	9.84E-07	8.52E-06	1.59E-05	7.90E-07	7.09E-06	1.28E-05
1,661	2.03E-06	1.83E-05	3.30E-05	1.87E-06	1.63E-05	3.02E-05	7.06E-07	6.35E-06	1.17E-05	7.81E-07	7.09E-06	1.28E-05	9.23E-07	8.01E-06	1.47E-05	9.84E-07	8.52E-06	1.59E-05	7.90E-07	7.09E-06	1.28E-05
1,662	2.03E-06	1.83E-05	3.30E-05	1.87E-06	1.63E-05	3.02E-05	7.06E-07	6.35E-06	1.17E-05	7.81E-07	7.09E-06	1.28E-05	9.23E-07	8.00E-06	1.47E-05	9.84E-07	8.52E-06	1.59E-05	7.90E-07	7.08E-06	1.28E-05
1,663	2.03E-06	1.83E-05	3.30E-05	1.87E-06	1.63E-05	3.02E-05	7.06E-07	6.35E-06	1.17E-05	7.81E-07	7.09E-06	1.28E-05	9.23E-07	8.00E-06	1.47E-05	9.83E-07	8.51E-06	1.59E-05	7.90E-07	7.08E-06	1.28E-05
1,664	2.03E-06	1.82E-05	3.30E-05	1.87E-06	1.63E-05	3.02E-05	7.06E-07	6.34E-06	1.17E-05	7.81E-07	7.08E-06	1.28E-05	9.23E-07	8.00E-06	1.47E-05	9.82E-07	8.51E-06	1.59E-05	7.89E-07	7.07E-06	1.28E-05
1,665	2.02E-06	1.82E-05	3.30E-05	1.87E-06	1.63E-05	3.02E-05	7.06E-07	6.34E-06	1.17E-05	7.80E-07	7.08E-06	1.28E-05	9.23E-07	7.99E-06	1.47E-05	9.81E-07	8.50E-06	1.59E-05	7.89E-07	7.07E-06	1.28E-05
1,666	2.02E-06	1.82E-05	3.30E-05	1.87E-06	1.62E-05	3.02E-05	7.06E-07	6.34E-06	1.17E-05	7.80E-07	7.08E-06	1.28E-05	9.23E-07	7.98E-06	1.47E-05	9.81E-07	8.50E-06	1.59E-05	7.88E-07	7.06E-06	1.28E-05
1,667	2.02E-06	1.82E-05	3.29E-05	1.87E-06	1.62E-05	3.02E-05	7.03E-07	6.33E-06	1.17E-05	7.79E-07	7.05E-06	1.28E-05	9.22E-07	7.98E-06	1.47E-05	9.81E-07	8.50E-06	1.59E-05	7.88E-07	7.06E-06	1.27E-05
1,668	2.02E-06	1.82E-05	3.29E-05	1.87E-06	1.62E-05	3.02E-05	7.03E-07	6.33E-06	1.17E-05	7.79E-07	7.05E-06	1.28E-05	9.22E-07	7.98E-06	1.47E-05	9.81E-07	8.50E-06	1.59E-05	7.86E-07	7.06E-06	1.27E-05
1,669	2.02E-06	1.82E-05	3.29E-05	1.86E-06	1.62E-05	3.02E-05	7.02E-07	6.33E-06	1.17E-05	7.78E-07	7.05E-06	1.28E-05	9.22E-07	7.98E-06	1.47E-05	9.81E-07	8.50E-06	1.59E-05	7.86E-07	7.06E-06	1.27E-05
1,670	2.02E-06	1.82E-05	3.29E-05	1.86E-06	1.62E-05	3.02E-05	7.02E-07	6.33E-06	1.17E-05	7.78E-07	7.04E-06	1.28E-05	9.22E-07	7.98E-06	1.47E-05	9.80E-07	8.49E-06	1.59E-05	7.86E-07	7.06E-06	1.27E-05
1,671	2.02E-06	1.82E-05	3.29E-05	1.86E-06	1.62E-05	3.01E-05	7.02E-07	6.33E-06	1.17E-05	7.78E-07	7.04E-06	1.28E-05	9.21E-07	7.97E-06	1.47E-05	9.80E-07	8.48E-06	1.59E-05	7.86E-07	7.06E-06	1.27E-05
1,672	2.02E-06	1.82E-05	3.29E-05	1.86E-06	1.62E-05	3.01E-05	7.01E-07	6.33E-06	1.16E-05	7.77E-07	7.04E-06	1.28E-05	9.21E-07	7.97E-06	1.47E-05	9.80E-07	8.48E-06	1.59E-05	7.86E-07	7.06E-06	1.27E-05
1,673	2.02E-06	1.82E-05	3.28E-05	1.86E-06	1.62E-05	3.01E-05	7.01E-07	6.30E-06	1.16E-05	7.77E-07	7.03E-06	1.28E-05	9.20E-07	7.96E-06	1.46E-05	9.77E-07	8.48E-06	1.59E-05	7.86E-07	7.05E-06	1.27E-05
1,674	2.02E-06	1.81E-05	3.28E-05	1.86E-06	1.62E-05	3.01E-05	7.01E-07	6.30E-06	1.16E-05	7.76E-07	7.03E-06	1.28E-05	9.19E-07	7.96E-06	1.46E-05	9.77E-07	8.48E-06	1.59E-05	7.85E-07	7.05E-06	1.27E-05
1,675	2.02E-06	1.81E-05	3.28E-05	1.86E-06	1.62E-05	3.01E-05	7.00E-07	6.30E-06	1.16E-05	7.75E-07	7.03E-06	1.28E-05	9.19E-07	7.96E-06	1.46E-05	9.77E-07	8.47E-06	1.59E-05	7.85E-07	7.05E-06	1.27E-05
1,676	2.01E-06	1.81E-05	3.28E-05	1.86E-06	1.62E-05	3.01E-05	7.00E-07	6.30E-06	1.16E-05	7.75E-07	7.03E-06	1.28E-05	9.18E-07	7.95E-06	1.46E-05	9.76E-07	8.47E-06	1.59E-05	7.84E-07	7.04E-06	1.27E-05
1,677	2.01E-06	1.81E-05	3.27E-05	1.85E-06	1.62E-05	3.01E-05	7.00E-07	6.29E-06	1.16E-05	7.75E-07	7.03E-06	1.28E-05	9.17E-07	7.95E-06	1.46E-05	9.76E-07	8.47E-06	1.58E-05	7.84E-07	7.03E-06	1.27E-05
1,678	2.01E-06	1.81E-05	3.27E-05	1.85E-06	1.62E-05	3.00E-05	7.00E-07	6.29E-06	1.16E-05	7.75E-07	7.02E-06	1.28E-05	9.17E-07	7.95E-06	1.46E-05	9.76E-07	8.46E-06	1.58E-05	7.84E-07	7.02E-06	1.27E-05
1,679	2.01E-06	1.81E-05	3.27E-05	1.85E-06	1.62E-05	3.00E-05	7.00E-07	6.29E-06	1.16E-05	7.75E-07	7.02E-06	1.28E-05	9.16E-07	7.94E-06	1.46E-05	9.75E-07	8.46E-06	1.58E-05	7.83E-07	7.01E-06	1.27E-05
1,680	2.01E-06	1.81E-05	3.27E-05	1.85E-06	1.61E-05	3.00E-05	7.00E-07	6.28E-06	1.16E-05	7.74E-07	7.02E-06	1.28E-05	9.16E-07	7.94E-06	1.46E-05	9.75E-07	8.45E-06	1.58E-05	7.83E-07	7.01E-06	1.27E-05
1,681	2.01E-06	1.81E-05	3.27E-05	1.85E-06	1.61E-05	3.00E-05	7.00E-07	6.28E-06	1.16E-05	7.74E-07	7.01E-06	1.28E-05	9.15E-07	7.94E-06	1.46E-05	9.75E-07	8.45E-06	1.58E-05	7.82E-07	7.00E-06	1.27E-05
1,682	2.01E-06	1.80E-05	3.27E-05	1.85E-06	1.61E-05	3.00E-05	7.00E-07	6.28E-06	1.16E-05	7.73E-07	7.01E-06	1.28E-05	9.15E-07	7.93E-06	1.46E-05	9.74E-07	8.44E-06	1.58E-05	7.81E-07	7.00E-06	1.27E-05
1,683	2.01E-06	1.80E-05	3.27E-05	1.84E-06	1.61E-05	3.00E-05	6.99E-07	6.27E-06	1.16E-05	7.73E-07	7.00E-06	1.27E-05	9.15E-07	7.93E-06	1.46E-05	9.73E-07	8.43E-06	1.58E-05	7.81E-07	7.00E-06	1.27E-05
1,684	2.01E-06	1.80E-05	3.26E-05	1.84E-06	1.61E-05	3.00E-05	6.99E-07	6.27E-06	1.16E-05	7.73E-07	7.00E-06	1.27E-05	9.14E-07	7.92E-06	1.46E-05	9.73E-07	8.43E-06	1.58E-05	7.80E-07	7.00E-06	1.26E-05
1,685	2.01E-06	1.80E-05	3.26E-05	1.84E-06	1.61E-05	3.00E-05	6.98E-07	6.26E-06	1.16E-05	7.73E-07	6.99E-06	1.27E-05	9.14E-07	7.92E-06	1.46E-05	9.73E-07	8.42E-06	1.58E-05	7.80E-07	7.00E-06	1.26E-05
1,686	2.01E-06	1.80E-05	3.26E-05	1.84E-06	1.61E-05	3.00E-05	6.98E-07	6.26E-06	1.16E-05	7.71E-07	6.99E-06	1.27E-05	9.14E-07	7.92E-06	1.46E-05	9.72E-07	8.41E-06	1.58E-05	7.80E-07	7.00E-06	1.26E-05
1,687	2.01E-06	1.80E-05	3.26E-05	1.84E-06	1.61E-05	2.99E-05	6.98E-07	6.25E-06	1.16E-05	7.71E-07	6.98E-06	1.27E-05	9.13E-07	7.92E-06	1.46E-05	9.72E-07	8.40E-06	1.58E-05	7.79E-07	7.00E-06	1.26E-05
1,688	2.01E-06	1.80E-05	3.26E-05	1.84E-06	1.60E-05	2.99E-05	6.98E-07	6.23E-06	1.16E-05	7.71E-07	6.98E-06	1.27E-05	9.13E-07	7.91E-06	1.46E-05	9.72E-07	8.39E-06	1.58E-05	7.79E-07	6.99E-06	1.26E-05
1,689	2.00E-06	1.80E-05	3.26E-05	1.84E-06	1.60E-05	2.99E-05	6.97E-07	6.23E-06	1.15E-05	7.70E-07	6.98E-06	1.27E-05	9.11E-07	7.90E-06	1.46E-05	9.71E-07	8.39E-06	1.57E-05	7.78E-07	6.99E-06	1.26E-05
1,690	2.00E-06	1.80E-05	3.26E-05	1.84E-06	1.60E-05	2.99E-05	6.97E-07	6.23E-06	1.15E-05	7.70E-07	6.97E-06	1.27E-05	9.11E-07	7.90E-06	1.46E-05	9.71E-07	8.39E-06	1.57E-05	7.78E-07	6.98E-06	1.26E-05
1,691	2.00E-06	1.80E-05	3.26E-05	1.84E-06	1.60E-05	2.99E-05	6.96E-07	6.23E-06	1.15E-05	7.70E-07	6.97E-06	1.27E-05	9.10E-07	7.89E-06	1.46E-05	9.70E-07	8.38E-06	1.57E-05	7.78E-07	6.98E-06	1.26E-05
1,692	2.00E-06	1.80E-05	3.25E-05	1.84E-06	1.60E-05	2.98E-05	6.96E-07	6.23E-06	1.15E-05	7.70E-07	6.97E-06	1.27E-05	9.09E-07	7.89E-06	1.45E-05	9.70E-07	8.38E-06	1.57E-05	7.78E-07	6.98E-06	1.26E-05
1,693	2.00E-06	1.80E-05	3.25E-05	1.84E-06	1.60E-05	2.98E-05	6.96E-07	6.22E-06	1.15E-05	7.70E-07	6.96E-06	1.27E-05	9.08E-07	7.89E-06	1.45E-05	9.69E-07	8.37E-06	1.57E-05	7.77E-07	6.98E-06	1.26E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (ng/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,714	1.98E-06	1.78E-05	3.22E-05	1.82E-06	1.58E-05	2.96E-05	6.89E-07	6.15E-06	1.15E-05	7.61E-07	6.90E-06	1.26E-05	9.00E-07	7.82E-06	1.44E-05	9.60E-07	8.30E-06	1.56E-05	7.68E-07	6.89E-06	1.25E-05
1,715	1.98E-06	1.78E-05	3.22E-05	1.81E-06	1.58E-05	2.96E-05	6.88E-07	6.14E-06	1.15E-05	7.60E-07	6.89E-06	1.26E-05	9.00E-07	7.82E-06	1.44E-05	9.59E-07	8.29E-06	1.56E-05	7.68E-07	6.89E-06	1.25E-05
1,716	1.98E-06	1.77E-05	3.22E-05	1.81E-06	1.58E-05	2.95E-05	6.88E-07	6.13E-06	1.15E-05	7.60E-07	6.89E-06	1.26E-05	8.99E-07	7.82E-06	1.44E-05	9.59E-07	8.29E-06	1.56E-05	7.68E-07	6.89E-06	1.25E-05
1,717	1.98E-06	1.77E-05	3.22E-05	1.81E-06	1.58E-05	2.95E-05	6.87E-07	6.13E-06	1.14E-05	7.60E-07	6.89E-06	1.26E-05	8.99E-07	7.81E-06	1.44E-05	9.59E-07	8.29E-06	1.55E-05	7.68E-07	6.88E-06	1.25E-05
1,718	1.98E-06	1.77E-05	3.22E-05	1.81E-06	1.58E-05	2.95E-05	6.87E-07	6.12E-06	1.14E-05	7.59E-07	6.89E-06	1.26E-05	8.99E-07	7.81E-06	1.44E-05	9.59E-07	8.28E-06	1.55E-05	7.67E-07	6.88E-06	1.25E-05
1,719	1.98E-06	1.77E-05	3.22E-05	1.81E-06	1.58E-05	2.95E-05	6.87E-07	6.12E-06	1.14E-05	7.59E-07	6.89E-06	1.25E-05	8.99E-07	7.80E-06	1.44E-05	9.58E-07	8.27E-06	1.55E-05	7.67E-07	6.87E-06	1.24E-05
1,720	1.98E-06	1.77E-05	3.22E-05	1.81E-06	1.58E-05	2.95E-05	6.86E-07	6.12E-06	1.14E-05	7.59E-07	6.88E-06	1.25E-05	8.98E-07	7.80E-06	1.44E-05	9.58E-07	8.27E-06	1.55E-05	7.67E-07	6.87E-06	1.24E-05
1,721	1.98E-06	1.77E-05	3.21E-05	1.81E-06	1.58E-05	2.95E-05	6.86E-07	6.12E-06	1.14E-05	7.58E-07	6.88E-06	1.25E-05	8.98E-07	7.80E-06	1.44E-05	9.58E-07	8.27E-06	1.55E-05	7.67E-07	6.86E-06	1.24E-05
1,722	1.98E-06	1.77E-05	3.21E-05	1.81E-06	1.58E-05	2.94E-05	6.86E-07	6.12E-06	1.14E-05	7.58E-07	6.87E-06	1.25E-05	8.98E-07	7.80E-06	1.44E-05	9.57E-07	8.26E-06	1.55E-05	7.66E-07	6.86E-06	1.24E-05
1,723	1.98E-06	1.77E-05	3.21E-05	1.81E-06	1.58E-05	2.94E-05	6.85E-07	6.11E-06	1.14E-05	7.58E-07	6.87E-06	1.25E-05	8.98E-07	7.79E-06	1.44E-05	9.56E-07	8.25E-06	1.55E-05	7.65E-07	6.85E-06	1.24E-05
1,724	1.98E-06	1.77E-05	3.21E-05	1.81E-06	1.57E-05	2.94E-05	6.85E-07	6.11E-06	1.14E-05	7.56E-07	6.86E-06	1.25E-05	8.97E-07	7.79E-06	1.44E-05	9.55E-07	8.25E-06	1.55E-05	7.65E-07	6.85E-06	1.24E-05
1,725	1.98E-06	1.77E-05	3.21E-05	1.80E-06	1.57E-05	2.94E-05	6.85E-07	6.11E-06	1.14E-05	7.56E-07	6.86E-06	1.25E-05	8.96E-07	7.78E-06	1.44E-05	9.55E-07	8.25E-06	1.55E-05	7.65E-07	6.84E-06	1.24E-05
1,726	1.97E-06	1.77E-05	3.21E-05	1.80E-06	1.57E-05	2.94E-05	6.85E-07	6.11E-06	1.14E-05	7.56E-07	6.86E-06	1.25E-05	8.95E-07	7.77E-06	1.43E-05	9.55E-07	8.25E-06	1.55E-05	7.65E-07	6.84E-06	1.24E-05
1,727	1.97E-06	1.76E-05	3.21E-05	1.80E-06	1.57E-05	2.94E-05	6.84E-07	6.11E-06	1.14E-05	7.55E-07	6.85E-06	1.25E-05	8.95E-07	7.77E-06	1.43E-05	9.53E-07	8.25E-06	1.55E-05	7.64E-07	6.84E-06	1.24E-05
1,728	1.97E-06	1.76E-05	3.21E-05	1.80E-06	1.57E-05	2.94E-05	6.84E-07	6.11E-06	1.14E-05	7.55E-07	6.85E-06	1.25E-05	8.95E-07	7.76E-06	1.43E-05	9.53E-07	8.25E-06	1.55E-05	7.64E-07	6.84E-06	1.24E-05
1,729	1.97E-06	1.76E-05	3.21E-05	1.80E-06	1.57E-05	2.94E-05	6.84E-07	6.10E-06	1.14E-05	7.55E-07	6.85E-06	1.25E-05	8.94E-07	7.76E-06	1.43E-05	9.53E-07	8.24E-06	1.55E-05	7.64E-07	6.82E-06	1.24E-05
1,730	1.97E-06	1.76E-05	3.21E-05	1.80E-06	1.57E-05	2.93E-05	6.82E-07	6.10E-06	1.14E-05	7.54E-07	6.84E-06	1.25E-05	8.94E-07	7.75E-06	1.43E-05	9.53E-07	8.24E-06	1.55E-05	7.63E-07	6.81E-06	1.24E-05
1,731	1.97E-06	1.76E-05	3.20E-05	1.80E-06	1.57E-05	2.93E-05	6.82E-07	6.10E-06	1.14E-05	7.54E-07	6.84E-06	1.25E-05	8.94E-07	7.75E-06	1.43E-05	9.52E-07	8.24E-06	1.55E-05	7.63E-07	6.81E-06	1.24E-05
1,732	1.97E-06	1.76E-05	3.20E-05	1.80E-06	1.57E-05	2.93E-05	6.82E-07	6.09E-06	1.14E-05	7.53E-07	6.83E-06	1.25E-05	8.94E-07	7.75E-06	1.43E-05	9.51E-07	8.24E-06	1.55E-05	7.61E-07	6.81E-06	1.24E-05
1,733	1.97E-06	1.76E-05	3.20E-05	1.80E-06	1.57E-05	2.93E-05	6.82E-07	6.08E-06	1.14E-05	7.53E-07	6.83E-06	1.25E-05	8.93E-07	7.74E-06	1.43E-05	9.51E-07	8.24E-06	1.54E-05	7.61E-07	6.81E-06	1.24E-05
1,734	1.96E-06	1.76E-05	3.20E-05	1.80E-06	1.57E-05	2.93E-05	6.81E-07	6.08E-06	1.14E-05	7.52E-07	6.83E-06	1.25E-05	8.93E-07	7.74E-06	1.43E-05	9.51E-07	8.24E-06	1.54E-05	7.60E-07	6.81E-06	1.24E-05
1,735	1.96E-06	1.76E-05	3.20E-05	1.79E-06	1.57E-05	2.92E-05	6.81E-07	6.08E-06	1.14E-05	7.52E-07	6.83E-06	1.25E-05	8.92E-07	7.74E-06	1.43E-05	9.51E-07	8.23E-06	1.54E-05	7.60E-07	6.80E-06	1.24E-05
1,736	1.96E-06	1.76E-05	3.20E-05	1.79E-06	1.56E-05	2.92E-05	6.80E-07	6.08E-06	1.14E-05	7.52E-07	6.82E-06	1.24E-05	8.92E-07	7.73E-06	1.43E-05	9.50E-07	8.23E-06	1.54E-05	7.59E-07	6.80E-06	1.24E-05
1,737	1.96E-06	1.75E-05	3.20E-05	1.79E-06	1.56E-05	2.92E-05	6.80E-07	6.08E-06	1.14E-05	7.51E-07	6.82E-06	1.24E-05	8.92E-07	7.73E-06	1.43E-05	9.48E-07	8.23E-06	1.54E-05	7.59E-07	6.80E-06	1.24E-05
1,738	1.96E-06	1.75E-05	3.20E-05	1.79E-06	1.56E-05	2.92E-05	6.79E-07	6.07E-06	1.14E-05	7.51E-07	6.81E-06	1.24E-05	8.92E-07	7.73E-06	1.43E-05	9.48E-07	8.23E-06	1.54E-05	7.58E-07	6.80E-06	1.24E-05
1,739	1.96E-06	1.75E-05	3.19E-05	1.79E-06	1.56E-05	2.92E-05	6.79E-07	6.06E-06	1.14E-05	7.50E-07	6.81E-06	1.24E-05	8.91E-07	7.72E-06	1.43E-05	9.48E-07	8.23E-06	1.54E-05	7.58E-07	6.80E-06	1.24E-05
1,740	1.96E-06	1.75E-05	3.19E-05	1.79E-06	1.56E-05	2.92E-05	6.79E-07	6.06E-06	1.14E-05	7.50E-07	6.80E-06	1.24E-05	8.91E-07	7.72E-06	1.43E-05	9.48E-07	8.23E-06	1.53E-05	7.58E-07	6.80E-06	1.24E-05
1,741	1.96E-06	1.75E-05	3.19E-05	1.79E-06	1.56E-05	2.92E-05	6.79E-07	6.06E-06	1.14E-05	7.50E-07	6.80E-06	1.24E-05	8.90E-07	7.72E-06	1.43E-05	9.47E-07	8.23E-06	1.53E-05	7.57E-07	6.79E-06	1.23E-05
1,742	1.96E-06	1.75E-05	3.19E-05	1.79E-06	1.56E-05	2.92E-05	6.79E-07	6.06E-06	1.13E-05	7.50E-07	6.80E-06	1.24E-05	8.90E-07	7.72E-06	1.43E-05	9.46E-07	8.23E-06	1.53E-05	7.57E-07	6.79E-06	1.23E-05
1,743	1.96E-06	1.75E-05	3.19E-05	1.79E-06	1.56E-05	2.92E-05	6.78E-07	6.06E-06	1.13E-05	7.50E-07	6.80E-06	1.24E-05	8.90E-07	7.70E-06	1.42E-05	9.46E-07	8.23E-06	1.53E-05	7.57E-07	6.79E-06	1.23E-05
1,744	1.96E-06	1.75E-05	3.19E-05	1.78E-06	1.56E-05	2.92E-05	6.78E-07	6.06E-06	1.13E-05	7.49E-07	6.80E-06	1.24E-05	8.90E-07	7.70E-06	1.42E-05	9.46E-07	8.22E-06	1.53E-05	7.56E-07	6.79E-06	1.23E-05
1,745	1.96E-06	1.74E-05	3.18E-05	1.78E-06	1.56E-05	2.91E-05	6.77E-07	6.06E-06	1.13E-05	7.49E-07	6.79E-06	1.24E-05	8.89E-07	7.70E-06	1.42E-05	9.45E-07	8.22E-06	1.53E-05	7.56E-07	6.79E-06	1.23E-05
1,746	1.96E-06	1.74E-05	3.18E-05	1.78E-06	1.56E-05	2.91E-05	6.77E-07	6.06E-06	1.13E-05	7.49E-07	6.79E-06	1.24E-05	8.89E-07	7.69E-06	1.42E-05	9.45E-07	8.22E-06	1.53E-05	7.55E-07	6.79E-06	1.23E-05
1,747	1.96E-06	1.74E-05	3.18E-05	1.78E-06	1.56E-05	2.91E-05	6.77E-07	6.05E-06	1.13E-05	7.48E-07	6.79E-06	1.24E-05	8.89E-07	7.69E-06	1.42E-05	9.45E-07	8.21E-06	1.53E-05	7.55E-07	6.78E-06	1.23E-05
1,748	1.95E-06	1.74E-05	3.18E-05	1.78E-06	1.55E-05	2.90E-05	6.77E-07	6.05E-06	1.13E-05	7.47E-07	6.78E-06	1.24E-05	8.88E-07	7.69E-06	1.42E-05	9.45E-07	8.21E-06	1.53E-05	7.55E-07	6.77E-06	1.23E-05
1,749	1.95E-06	1.74E-05	3.18E-05	1.78E-06	1.55E-05	2.90E-05	6.75E-07	6.05E-06	1.13E-05	7.47E-07	6.77E-06	1.24E-05	8.88E-07	7.69E-06	1.42E-05	9.44E-07	8.21E-06	1.53E-05	7.55E-07	6.77E-06	1.23E-05
1,750	1.95E-06	1.74E-05	3.18E-05	1.78E-06	1.55E-05	2.90E-05	6.75E-07	6.05E-06	1.13E-05	7.46E-07	6.77E-06	1.24E-05	8.88E-07	7.69E-06	1.42E-05	9.44E-07	8.20E-06	1.53E-05	7.55E-07	6.77E-06	1.23E-05
1,751	1.95E-06	1.74E-05	3.18E-05	1.78E-06	1.55E-05	2.90E-05	6.75E-07	6.05E-06	1.13E-05	7.46E-07	6.76E-06	1.24E-05	8.87E-07	7.68E-06	1.42E-05	9.44E-07	8.20E-06	1.53E-05	7.54E-07	6.76E-06	1.23E-05
1,752	1.95E-06	1.74E-05	3.17E-05	1.78E-06	1.55E-05	2.90E-05	6.75E-07	6.05E-06	1.13E-05	7.46E-07	6.76E-06	1.24E-05	8.87E-07	7.68E-06	1.42E-05	9.43E-07	8.19E-06	1.53E-05	7.53E-07	6.76E-06	1.23E-05
1,753	1.95E-06	1.74E-05	3.17E-05	1.78E-06	1.55E-05	2.90E-05	6.74E-07	6.04E-06	1.13E-05	7.46E-07	6.76E-06	1.23E-05	8.86E-07	7.68E-06	1.42E-05	9.43E-07	8.19E-06	1.53E-05	7.53E-07	6.76E-06	1.23E-05
1,754	1.95E-06	1.74E-05	3.16E-05	1.78E-06	1.55E-05	2.90E-05	6.74E-07	6.04E-06	1.12E-05	7.46E-07	6.76E-06	1.23E-05	8.86E-07	7.67E-06	1.42E-05	9.43E-07	8.18E-06	1.53E-05	7.53E-07	6.76E-06	1.22E-05
1,755	1.95E-06	1.74E-05	3.16E-05	1.78E-06	1.55E-05	2.89E-05	6.73E-07	6.04E-06	1.12E-05	7.46E-07	6.76E-06	1.23E-05	8.86E-07	7.67E-06	1.42E-05	9.43E-07	8.18E-06	1.53E-05	7.53E-07	6.75E-06	1.22E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,776	1.93E-06	1.71E-05	3.13E-05	1.76E-06	1.53E-05	2.87E-05	6.65E-07	5.99E-06	1.11E-05	7.41E-07	6.67E-06	1.22E-05	8.79E-07	7.62E-06	1.41E-05	9.36E-07	8.11E-06	1.51E-05	7.45E-07	6.69E-06	1.21E-05
1,777	1.93E-06	1.71E-05	3.13E-05	1.76E-06	1.53E-05	2.87E-05	6.64E-07	5.99E-06	1.11E-05	7.41E-07	6.67E-06	1.22E-05	8.78E-07	7.60E-06	1.41E-05	9.36E-07	8.11E-06	1.51E-05	7.45E-07	6.67E-06	1.21E-05
1,778	1.93E-06	1.71E-05	3.13E-05	1.76E-06	1.53E-05	2.86E-05	6.64E-07	5.98E-06	1.11E-05	7.40E-07	6.67E-06	1.22E-05	8.77E-07	7.60E-06	1.41E-05	9.36E-07	8.11E-06	1.51E-05	7.45E-07	6.67E-06	1.21E-05
1,779	1.93E-06	1.71E-05	3.13E-05	1.76E-06	1.53E-05	2.86E-05	6.64E-07	5.98E-06	1.11E-05	7.40E-07	6.67E-06	1.22E-05	8.77E-07	7.60E-06	1.41E-05	9.35E-07	8.10E-06	1.51E-05	7.45E-07	6.67E-06	1.21E-05
1,780	1.93E-06	1.71E-05	3.13E-05	1.75E-06	1.53E-05	2.86E-05	6.63E-07	5.98E-06	1.11E-05	7.40E-07	6.66E-06	1.22E-05	8.77E-07	7.60E-06	1.41E-05	9.34E-07	8.09E-06	1.51E-05	7.45E-07	6.67E-06	1.21E-05
1,781	1.93E-06	1.71E-05	3.13E-05	1.75E-06	1.53E-05	2.86E-05	6.63E-07	5.97E-06	1.11E-05	7.39E-07	6.66E-06	1.22E-05	8.77E-07	7.59E-06	1.40E-05	9.34E-07	8.09E-06	1.51E-05	7.44E-07	6.66E-06	1.21E-05
1,782	1.93E-06	1.71E-05	3.13E-05	1.75E-06	1.53E-05	2.85E-05	6.62E-07	5.97E-06	1.11E-05	7.39E-07	6.66E-06	1.22E-05	8.76E-07	7.59E-06	1.40E-05	9.34E-07	8.09E-06	1.51E-05	7.44E-07	6.66E-06	1.21E-05
1,783	1.93E-06	1.71E-05	3.13E-05	1.75E-06	1.53E-05	2.85E-05	6.61E-07	5.97E-06	1.11E-05	7.39E-07	6.66E-06	1.22E-05	8.76E-07	7.58E-06	1.40E-05	9.33E-07	8.08E-06	1.51E-05	7.44E-07	6.66E-06	1.21E-05
1,784	1.93E-06	1.70E-05	3.13E-05	1.75E-06	1.53E-05	2.85E-05	6.61E-07	5.96E-06	1.11E-05	7.39E-07	6.66E-06	1.22E-05	8.76E-07	7.58E-06	1.40E-05	9.33E-07	8.08E-06	1.51E-05	7.43E-07	6.65E-06	1.21E-05
1,785	1.92E-06	1.70E-05	3.13E-05	1.75E-06	1.53E-05	2.85E-05	6.60E-07	5.95E-06	1.11E-05	7.38E-07	6.66E-06	1.22E-05	8.75E-07	7.57E-06	1.40E-05	9.32E-07	8.08E-06	1.50E-05	7.43E-07	6.65E-06	1.21E-05
1,786	1.92E-06	1.70E-05	3.12E-05	1.75E-06	1.52E-05	2.85E-05	6.60E-07	5.95E-06	1.11E-05	7.38E-07	6.66E-06	1.22E-05	8.75E-07	7.56E-06	1.40E-05	9.31E-07	8.07E-06	1.50E-05	7.43E-07	6.65E-06	1.21E-05
1,787	1.92E-06	1.70E-05	3.12E-05	1.75E-06	1.52E-05	2.85E-05	6.60E-07	5.94E-06	1.11E-05	7.38E-07	6.66E-06	1.22E-05	8.74E-07	7.56E-06	1.40E-05	9.31E-07	8.07E-06	1.50E-05	7.42E-07	6.65E-06	1.21E-05
1,788	1.92E-06	1.70E-05	3.12E-05	1.75E-06	1.52E-05	2.85E-05	6.60E-07	5.94E-06	1.11E-05	7.38E-07	6.65E-06	1.22E-05	8.74E-07	7.56E-06	1.40E-05	9.31E-07	8.06E-06	1.50E-05	7.42E-07	6.64E-06	1.21E-05
1,789	1.92E-06	1.70E-05	3.12E-05	1.75E-06	1.52E-05	2.85E-05	6.59E-07	5.94E-06	1.11E-05	7.38E-07	6.65E-06	1.21E-05	8.74E-07	7.56E-06	1.40E-05	9.31E-07	8.06E-06	1.50E-05	7.42E-07	6.64E-06	1.21E-05
1,790	1.92E-06	1.70E-05	3.12E-05	1.75E-06	1.52E-05	2.85E-05	6.58E-07	5.94E-06	1.11E-05	7.37E-07	6.64E-06	1.21E-05	8.74E-07	7.55E-06	1.40E-05	9.31E-07	8.06E-06	1.50E-05	7.42E-07	6.64E-06	1.20E-05
1,791	1.92E-06	1.70E-05	3.11E-05	1.75E-06	1.52E-05	2.85E-05	6.58E-07	5.93E-06	1.11E-05	7.37E-07	6.64E-06	1.21E-05	8.74E-07	7.55E-06	1.40E-05	9.31E-07	8.05E-06	1.50E-05	7.42E-07	6.63E-06	1.20E-05
1,792	1.92E-06	1.70E-05	3.11E-05	1.75E-06	1.52E-05	2.84E-05	6.58E-07	5.93E-06	1.11E-05	7.37E-07	6.64E-06	1.21E-05	8.73E-07	7.55E-06	1.40E-05	9.30E-07	8.05E-06	1.50E-05	7.41E-07	6.63E-06	1.20E-05
1,793	1.92E-06	1.70E-05	3.11E-05	1.74E-06	1.52E-05	2.84E-05	6.58E-07	5.93E-06	1.11E-05	7.36E-07	6.63E-06	1.21E-05	8.73E-07	7.55E-06	1.40E-05	9.30E-07	8.05E-06	1.50E-05	7.41E-07	6.62E-06	1.20E-05
1,794	1.92E-06	1.70E-05	3.11E-05	1.74E-06	1.51E-05	2.84E-05	6.57E-07	5.92E-06	1.10E-05	7.36E-07	6.63E-06	1.21E-05	8.71E-07	7.55E-06	1.40E-05	9.30E-07	8.05E-06	1.50E-05	7.40E-07	6.62E-06	1.20E-05
1,795	1.92E-06	1.70E-05	3.11E-05	1.74E-06	1.51E-05	2.84E-05	6.57E-07	5.92E-06	1.10E-05	7.36E-07	6.62E-06	1.21E-05	8.71E-07	7.54E-06	1.40E-05	9.30E-07	8.04E-06	1.49E-05	7.39E-07	6.61E-06	1.20E-05
1,796	1.92E-06	1.70E-05	3.11E-05	1.74E-06	1.51E-05	2.84E-05	6.57E-07	5.92E-06	1.10E-05	7.35E-07	6.62E-06	1.21E-05	8.71E-07	7.54E-06	1.39E-05	9.30E-07	8.04E-06	1.49E-05	7.39E-07	6.60E-06	1.20E-05
1,797	1.92E-06	1.69E-05	3.11E-05	1.74E-06	1.51E-05	2.84E-05	6.56E-07	5.92E-06	1.10E-05	7.35E-07	6.62E-06	1.21E-05	8.71E-07	7.54E-06	1.39E-05	9.30E-07	8.03E-06	1.49E-05	7.38E-07	6.60E-06	1.20E-05
1,798	1.92E-06	1.69E-05	3.11E-05	1.74E-06	1.51E-05	2.84E-05	6.56E-07	5.91E-06	1.10E-05	7.35E-07	6.62E-06	1.21E-05	8.71E-07	7.54E-06	1.39E-05	9.30E-07	8.02E-06	1.49E-05	7.38E-07	6.60E-06	1.20E-05
1,799	1.92E-06	1.69E-05	3.11E-05	1.74E-06	1.51E-05	2.83E-05	6.56E-07	5.90E-06	1.10E-05	7.34E-07	6.62E-06	1.21E-05	8.70E-07	7.54E-06	1.39E-05	9.30E-07	8.01E-06	1.49E-05	7.38E-07	6.60E-06	1.20E-05
1,800	1.92E-06	1.69E-05	3.11E-05	1.74E-06	1.51E-05	2.83E-05	6.55E-07	5.90E-06	1.10E-05	7.34E-07	6.61E-06	1.21E-05	8.70E-07	7.54E-06	1.39E-05	9.29E-07	8.01E-06	1.49E-05	7.38E-07	6.60E-06	1.20E-05
1,801	1.91E-06	1.69E-05	3.11E-05	1.73E-06	1.51E-05	2.83E-05	6.55E-07	5.90E-06	1.10E-05	7.34E-07	6.61E-06	1.21E-05	8.70E-07	7.52E-06	1.39E-05	9.29E-07	8.01E-06	1.49E-05	7.38E-07	6.59E-06	1.20E-05
1,802	1.91E-06	1.69E-05	3.11E-05	1.73E-06	1.51E-05	2.83E-05	6.55E-07	5.90E-06	1.10E-05	7.33E-07	6.61E-06	1.21E-05	8.68E-07	7.52E-06	1.39E-05	9.28E-07	7.99E-06	1.49E-05	7.38E-07	6.59E-06	1.20E-05
1,803	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.51E-05	2.83E-05	6.55E-07	5.90E-06	1.10E-05	7.33E-07	6.61E-06	1.21E-05	8.68E-07	7.51E-06	1.39E-05	9.28E-07	7.99E-06	1.49E-05	7.37E-07	6.59E-06	1.20E-05
1,804	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.51E-05	2.82E-05	6.55E-07	5.89E-06	1.10E-05	7.33E-07	6.61E-06	1.21E-05	8.67E-07	7.51E-06	1.39E-05	9.27E-07	7.98E-06	1.49E-05	7.36E-07	6.59E-06	1.20E-05
1,805	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.51E-05	2.82E-05	6.54E-07	5.89E-06	1.10E-05	7.32E-07	6.61E-06	1.21E-05	8.67E-07	7.51E-06	1.39E-05	9.26E-07	7.98E-06	1.49E-05	7.36E-07	6.58E-06	1.20E-05
1,806	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.50E-05	2.82E-05	6.54E-07	5.89E-06	1.10E-05	7.32E-07	6.60E-06	1.20E-05	8.66E-07	7.51E-06	1.39E-05	9.26E-07	7.98E-06	1.49E-05	7.36E-07	6.58E-06	1.20E-05
1,807	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.50E-05	2.82E-05	6.54E-07	5.89E-06	1.10E-05	7.31E-07	6.60E-06	1.20E-05	8.66E-07	7.50E-06	1.39E-05	9.25E-07	7.97E-06	1.49E-05	7.35E-07	6.57E-06	1.20E-05
1,808	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.50E-05	2.82E-05	6.54E-07	5.89E-06	1.10E-05	7.31E-07	6.60E-06	1.20E-05	8.66E-07	7.50E-06	1.39E-05	9.25E-07	7.97E-06	1.49E-05	7.35E-07	6.57E-06	1.20E-05
1,809	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.50E-05	2.82E-05	6.54E-07	5.88E-06	1.10E-05	7.30E-07	6.60E-06	1.20E-05	8.65E-07	7.50E-06	1.39E-05	9.24E-07	7.97E-06	1.49E-05	7.35E-07	6.57E-06	1.20E-05
1,810	1.91E-06	1.69E-05	3.10E-05	1.73E-06	1.50E-05	2.82E-05	6.54E-07	5.88E-06	1.10E-05	7.30E-07	6.59E-06	1.20E-05	8.65E-07	7.50E-06	1.39E-05	9.24E-07	7.97E-06	1.49E-05	7.34E-07	6.56E-06	1.20E-05
1,811	1.91E-06	1.69E-05	3.09E-05	1.72E-06	1.50E-05	2.82E-05	6.53E-07	5.87E-06	1.10E-05	7.29E-07	6.59E-06	1.20E-05	8.65E-07	7.50E-06	1.38E-05	9.24E-07	7.96E-06	1.48E-05	7.34E-07	6.55E-06	1.19E-05
1,812	1.91E-06	1.69E-05	3.09E-05	1.72E-06	1.50E-05	2.82E-05	6.53E-07	5.87E-06	1.09E-05	7.29E-07	6.59E-06	1.20E-05	8.65E-07	7.49E-06	1.38E-05	9.23E-07	7.95E-06	1.48E-05	7.34E-07	6.55E-06	1.19E-05
1,813	1.91E-06	1.69E-05	3.09E-05	1.72E-06	1.50E-05	2.82E-05	6.53E-07	5.87E-06	1.09E-05	7.29E-07	6.58E-06	1.20E-05	8.65E-07	7.49E-06	1.38E-05	9.23E-07	7.95E-06	1.48E-05	7.34E-07	6.55E-06	1.19E-05
1,814	1.91E-06	1.69E-05	3.09E-05	1.72E-06	1.50E-05	2.82E-05	6.53E-07	5.86E-06	1.09E-05	7.28E-07	6.58E-06	1.20E-05	8.64E-07	7.49E-06	1.38E-05	9.23E-07	7.93E-06	1.48E-05	7.34E-07	6.55E-06	1.19E-05
1,815	1.91E-06	1.68E-05	3.09E-05	1.72E-06	1.50E-05	2.81E-05	6.52E-07	5.86E-06	1.09E-05	7.28E-07	6.58E-06	1.20E-05	8.63E-07	7.49E-06	1.38E-05	9.23E-07	7.92E-06	1.48E-05	7.34E-07	6.54E-06	1.19E-05
1,816	1.91E-06	1.68E-05	3.09E-05	1.72E-06	1.50E-05	2.81E-05	6.52E-07	5.85E-06	1.09E-05	7.27E-07	6.58E-06	1.20E-05	8.62E-07	7.49E-06	1.38E-05	9.23E-07	7.92E-06	1.48E-05	7.33E-07	6.54E-06	1.19E-05
1,817	1.91E-06	1.68E-05	3.09E-05	1.72E-06	1.50E-05	2.81E-05	6.51E-07	5.85E-06	1.09E-05	7.27E-07	6.58E-06	1.20E-05	8.62E-07	7.48E-06	1.38E-05	9.22E-07	7.91E-06	1.48E-05	7.32E-07	6.53E-06	1.19E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,838	1.89E-06	1.66E-05	3.06E-05	1.70E-06	1.48E-05	2.79E-05	6.46E-07	5.81E-06	1.08E-05	7.18E-07	6.51E-06	1.19E-05	8.56E-07	7.41E-06	1.37E-05	9.15E-07	7.83E-06	1.46E-05	7.25E-07	6.47E-06	1.17E-05
1,839	1.89E-06	1.66E-05	3.06E-05	1.70E-06	1.48E-05	2.79E-05	6.46E-07	5.81E-06	1.08E-05	7.17E-07	6.51E-06	1.19E-05	8.55E-07	7.41E-06	1.37E-05	9.15E-07	7.83E-06	1.46E-05	7.25E-07	6.46E-06	1.17E-05
1,840	1.89E-06	1.66E-05	3.06E-05	1.70E-06	1.48E-05	2.79E-05	6.45E-07	5.81E-06	1.08E-05	7.16E-07	6.51E-06	1.19E-05	8.55E-07	7.41E-06	1.37E-05	9.15E-07	7.83E-06	1.46E-05	7.25E-07	6.46E-06	1.17E-05
1,841	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.79E-05	6.45E-07	5.81E-06	1.08E-05	7.16E-07	6.51E-06	1.19E-05	8.55E-07	7.40E-06	1.37E-05	9.15E-07	7.83E-06	1.46E-05	7.25E-07	6.46E-06	1.17E-05
1,842	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.78E-05	6.45E-07	5.80E-06	1.08E-05	7.15E-07	6.50E-06	1.19E-05	8.54E-07	7.40E-06	1.37E-05	9.15E-07	7.83E-06	1.46E-05	7.24E-07	6.46E-06	1.17E-05
1,843	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.78E-05	6.45E-07	5.80E-06	1.08E-05	7.15E-07	6.50E-06	1.19E-05	8.54E-07	7.39E-06	1.37E-05	9.14E-07	7.82E-06	1.46E-05	7.24E-07	6.46E-06	1.17E-05
1,844	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.78E-05	6.45E-07	5.80E-06	1.08E-05	7.14E-07	6.49E-06	1.19E-05	8.54E-07	7.39E-06	1.37E-05	9.13E-07	7.82E-06	1.46E-05	7.24E-07	6.45E-06	1.17E-05
1,845	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.77E-05	6.44E-07	5.80E-06	1.08E-05	7.14E-07	6.49E-06	1.19E-05	8.54E-07	7.38E-06	1.37E-05	9.12E-07	7.82E-06	1.46E-05	7.23E-07	6.44E-06	1.17E-05
1,846	1.89E-06	1.66E-05	3.05E-05	1.70E-06	1.48E-05	2.77E-05	6.44E-07	5.79E-06	1.08E-05	7.14E-07	6.48E-06	1.19E-05	8.53E-07	7.38E-06	1.37E-05	9.12E-07	7.81E-06	1.46E-05	7.23E-07	6.44E-06	1.17E-05
1,847	1.89E-06	1.66E-05	3.04E-05	1.70E-06	1.48E-05	2.77E-05	6.44E-07	5.79E-06	1.08E-05	7.13E-07	6.48E-06	1.19E-05	8.52E-07	7.38E-06	1.37E-05	9.12E-07	7.81E-06	1.46E-05	7.22E-07	6.44E-06	1.17E-05
1,848	1.89E-06	1.65E-05	3.04E-05	1.70E-06	1.47E-05	2.77E-05	6.44E-07	5.79E-06	1.07E-05	7.13E-07	6.48E-06	1.19E-05	8.51E-07	7.37E-06	1.37E-05	9.12E-07	7.81E-06	1.46E-05	7.22E-07	6.44E-06	1.17E-05
1,849	1.88E-06	1.65E-05	3.04E-05	1.69E-06	1.47E-05	2.77E-05	6.44E-07	5.79E-06	1.07E-05	7.13E-07	6.48E-06	1.19E-05	8.50E-07	7.37E-06	1.37E-05	9.11E-07	7.80E-06	1.46E-05	7.21E-07	6.43E-06	1.17E-05
1,850	1.88E-06	1.65E-05	3.04E-05	1.69E-06	1.47E-05	2.77E-05	6.43E-07	5.78E-06	1.07E-05	7.13E-07	6.48E-06	1.18E-05	8.49E-07	7.37E-06	1.36E-05	9.11E-07	7.80E-06	1.46E-05	7.21E-07	6.42E-06	1.17E-05
1,851	1.88E-06	1.65E-05	3.04E-05	1.69E-06	1.47E-05	2.76E-05	6.43E-07	5.78E-06	1.07E-05	7.12E-07	6.48E-06	1.18E-05	8.49E-07	7.37E-06	1.36E-05	9.11E-07	7.80E-06	1.46E-05	7.20E-07	6.42E-06	1.17E-05
1,852	1.88E-06	1.65E-05	3.03E-05	1.69E-06	1.47E-05	2.76E-05	6.42E-07	5.78E-06	1.07E-05	7.12E-07	6.48E-06	1.18E-05	8.49E-07	7.36E-06	1.36E-05	9.10E-07	7.80E-06	1.46E-05	7.20E-07	6.42E-06	1.17E-05
1,853	1.88E-06	1.65E-05	3.03E-05	1.69E-06	1.47E-05	2.76E-05	6.42E-07	5.78E-06	1.07E-05	7.12E-07	6.48E-06	1.18E-05	8.48E-07	7.36E-06	1.36E-05	9.10E-07	7.80E-06	1.45E-05	7.19E-07	6.41E-06	1.17E-05
1,854	1.88E-06	1.65E-05	3.03E-05	1.69E-06	1.47E-05	2.76E-05	6.42E-07	5.77E-06	1.07E-05	7.12E-07	6.48E-06	1.18E-05	8.48E-07	7.36E-06	1.36E-05	9.10E-07	7.80E-06	1.45E-05	7.19E-07	6.40E-06	1.17E-05
1,855	1.88E-06	1.65E-05	3.03E-05	1.69E-06	1.47E-05	2.76E-05	6.42E-07	5.77E-06	1.07E-05	7.11E-07	6.47E-06	1.18E-05	8.48E-07	7.36E-06	1.36E-05	9.09E-07	7.80E-06	1.45E-05	7.19E-07	6.40E-06	1.17E-05
1,856	1.88E-06	1.65E-05	3.02E-05	1.69E-06	1.47E-05	2.76E-05	6.41E-07	5.77E-06	1.07E-05	7.10E-07	6.46E-06	1.18E-05	8.48E-07	7.35E-06	1.36E-05	9.09E-07	7.79E-06	1.45E-05	7.19E-07	6.40E-06	1.16E-05
1,857	1.88E-06	1.65E-05	3.02E-05	1.69E-06	1.47E-05	2.76E-05	6.41E-07	5.77E-06	1.07E-05	7.09E-07	6.46E-06	1.18E-05	8.48E-07	7.35E-06	1.36E-05	9.09E-07	7.79E-06	1.45E-05	7.18E-07	6.40E-06	1.16E-05
1,858	1.88E-06	1.65E-05	3.02E-05	1.69E-06	1.47E-05	2.76E-05	6.41E-07	5.76E-06	1.07E-05	7.09E-07	6.46E-06	1.18E-05	8.47E-07	7.35E-06	1.36E-05	9.08E-07	7.79E-06	1.45E-05	7.18E-07	6.40E-06	1.16E-05
1,859	1.87E-06	1.65E-05	3.02E-05	1.68E-06	1.47E-05	2.76E-05	6.41E-07	5.76E-06	1.07E-05	7.09E-07	6.46E-06	1.18E-05	8.47E-07	7.34E-06	1.36E-05	9.08E-07	7.79E-06	1.45E-05	7.17E-07	6.38E-06	1.16E-05
1,860	1.87E-06	1.64E-05	3.02E-05	1.68E-06	1.47E-05	2.76E-05	6.40E-07	5.76E-06	1.07E-05	7.09E-07	6.46E-06	1.18E-05	8.47E-07	7.33E-06	1.36E-05	9.05E-07	7.79E-06	1.45E-05	7.17E-07	6.38E-06	1.16E-05
1,861	1.87E-06	1.64E-05	3.02E-05	1.68E-06	1.47E-05	2.76E-05	6.40E-07	5.76E-06	1.07E-05	7.09E-07	6.45E-06	1.18E-05	8.47E-07	7.33E-06	1.35E-05	9.05E-07	7.78E-06	1.45E-05	7.17E-07	6.38E-06	1.16E-05
1,862	1.87E-06	1.64E-05	3.01E-05	1.68E-06	1.47E-05	2.76E-05	6.39E-07	5.75E-06	1.07E-05	7.09E-07	6.45E-06	1.18E-05	8.46E-07	7.32E-06	1.35E-05	9.04E-07	7.78E-06	1.45E-05	7.17E-07	6.37E-06	1.16E-05
1,863	1.87E-06	1.64E-05	3.01E-05	1.68E-06	1.47E-05	2.75E-05	6.39E-07	5.74E-06	1.07E-05	7.08E-07	6.44E-06	1.18E-05	8.46E-07	7.32E-06	1.35E-05	9.04E-07	7.77E-06	1.45E-05	7.16E-07	6.37E-06	1.16E-05
1,864	1.87E-06	1.64E-05	3.01E-05	1.68E-06	1.47E-05	2.75E-05	6.38E-07	5.74E-06	1.07E-05	7.08E-07	6.43E-06	1.18E-05	8.46E-07	7.31E-06	1.35E-05	9.04E-07	7.77E-06	1.45E-05	7.15E-07	6.36E-06	1.16E-05
1,865	1.87E-06	1.64E-05	3.01E-05	1.68E-06	1.47E-05	2.75E-05	6.38E-07	5.74E-06	1.07E-05	7.07E-07	6.43E-06	1.18E-05	8.46E-07	7.31E-06	1.35E-05	9.04E-07	7.76E-06	1.45E-05	7.15E-07	6.36E-06	1.16E-05
1,866	1.87E-06	1.64E-05	3.01E-05	1.68E-06	1.47E-05	2.75E-05	6.38E-07	5.74E-06	1.07E-05	7.06E-07	6.43E-06	1.18E-05	8.45E-07	7.31E-06	1.35E-05	9.02E-07	7.76E-06	1.45E-05	7.15E-07	6.34E-06	1.16E-05
1,867	1.86E-06	1.64E-05	3.01E-05	1.67E-06	1.47E-05	2.75E-05	6.38E-07	5.73E-06	1.07E-05	7.06E-07	6.42E-06	1.18E-05	8.45E-07	7.31E-06	1.35E-05	9.02E-07	7.76E-06	1.45E-05	7.15E-07	6.34E-06	1.16E-05
1,868	1.86E-06	1.64E-05	3.01E-05	1.67E-06	1.46E-05	2.75E-05	6.38E-07	5.72E-06	1.07E-05	7.06E-07	6.41E-06	1.18E-05	8.43E-07	7.30E-06	1.35E-05	9.02E-07	7.76E-06	1.45E-05	7.14E-07	6.34E-06	1.16E-05
1,869	1.86E-06	1.64E-05	3.01E-05	1.67E-06	1.46E-05	2.75E-05	6.37E-07	5.72E-06	1.07E-05	7.06E-07	6.41E-06	1.18E-05	8.42E-07	7.30E-06	1.35E-05	9.02E-07	7.76E-06	1.45E-05	7.14E-07	6.34E-06	1.16E-05
1,870	1.86E-06	1.64E-05	3.01E-05	1.67E-06	1.46E-05	2.75E-05	6.37E-07	5.72E-06	1.07E-05	7.05E-07	6.41E-06	1.17E-05	8.42E-07	7.30E-06	1.35E-05	9.02E-07	7.76E-06	1.44E-05	7.13E-07	6.33E-06	1.16E-05
1,871	1.86E-06	1.64E-05	3.01E-05	1.67E-06	1.46E-05	2.75E-05	6.37E-07	5.72E-06	1.06E-05	7.05E-07	6.41E-06	1.17E-05	8.42E-07	7.30E-06	1.35E-05	9.01E-07	7.75E-06	1.44E-05	7.12E-07	6.33E-06	1.16E-05
1,872	1.86E-06	1.64E-05	3.00E-05	1.67E-06	1.46E-05	2.74E-05	6.37E-07	5.71E-06	1.06E-05	7.04E-07	6.41E-06	1.17E-05	8.42E-07	7.30E-06	1.35E-05	9.01E-07	7.75E-06	1.44E-05	7.12E-07	6.33E-06	1.16E-05
1,873	1.86E-06	1.63E-05	3.00E-05	1.67E-06	1.46E-05	2.74E-05	6.36E-07	5.70E-06	1.06E-05	7.04E-07	6.40E-06	1.17E-05	8.42E-07	7.29E-06	1.35E-05	9.00E-07	7.74E-06	1.44E-05	7.12E-07	6.33E-06	1.15E-05
1,874	1.86E-06	1.63E-05	3.00E-05	1.67E-06	1.46E-05	2.74E-05	6.36E-07	5.70E-06	1.06E-05	7.04E-07	6.40E-06	1.17E-05	8.41E-07	7.29E-06	1.34E-05	8.99E-07	7.74E-06	1.44E-05	7.12E-07	6.33E-06	1.15E-05
1,875	1.86E-06	1.63E-05	2.99E-05	1.67E-06	1.46E-05	2.74E-05	6.36E-07	5.70E-06	1.06E-05	7.03E-07	6.39E-06	1.17E-05	8.41E-07	7.29E-06	1.34E-05	8.97E-07	7.74E-06	1.44E-05	7.12E-07	6.32E-06	1.15E-05
1,876	1.86E-06	1.63E-05	2.99E-05	1.67E-06	1.46E-05	2.74E-05	6.35E-07	5.70E-06	1.06E-05	7.03E-07	6.38E-06	1.17E-05	8.41E-07	7.28E-06	1.34E-05	8.97E-07	7.74E-06	1.44E-05	7.11E-07	6.32E-06	1.15E-05
1,877	1.86E-06	1.63E-05	2.99E-05	1.67E-06	1.46E-05	2.74E-05	6.34E-07	5.69E-06	1.06E-05	7.03E-07	6.38E-06	1.17E-05	8.40E-07	7.28E-06	1.34E-05	8.97E-07	7.74E-06	1.44E-05	7.10E-07	6.32E-06	1.15E-05
1,878	1.86E-06	1.63E-05	2.99E-05	1.67E-06	1.46E-05	2.74E-05	6.34E-07	5.68E-06	1.06E-05	7.03E-07	6.38E-06	1.17E-05	8.40E-07	7.27E-06	1.34E-05	8.97E-07	7.73E-06	1.44E-05	7.10E-07	6.32E-06	1.15E-05
1,879	1.85E-06	1.63E-05	2.99E-05	1.67E-06	1.46E-05	2.74E-05	6.34E-07	5.68E-06	1.06E-05	7.02E-07	6.38E-06	1.17E-05	8.40E-07	7.27E-06	1.34E-05	8.96E-07	7.73E-06	1.44E-05	7.10E-07	6.31E-06	1.15E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,900	1.84E-06	1.62E-05	2.96E-05	1.65E-06	1.44E-05	2.70E-05	6.28E-07	5.64E-06	1.05E-05	6.97E-07	6.30E-06	1.16E-05	8.36E-07	7.20E-06	1.33E-05	8.89E-07	7.65E-06	1.43E-05	7.03E-07	6.24E-06	1.14E-05
1,901	1.84E-06	1.62E-05	2.96E-05	1.65E-06	1.44E-05	2.70E-05	6.28E-07	5.63E-06	1.05E-05	6.97E-07	6.29E-06	1.16E-05	8.35E-07	7.20E-06	1.33E-05	8.89E-07	7.65E-06	1.43E-05	7.03E-07	6.23E-06	1.14E-05
1,902	1.84E-06	1.62E-05	2.96E-05	1.65E-06	1.44E-05	2.69E-05	6.27E-07	5.63E-06	1.04E-05	6.97E-07	6.29E-06	1.16E-05	8.35E-07	7.20E-06	1.33E-05	8.89E-07	7.65E-06	1.43E-05	7.02E-07	6.23E-06	1.14E-05
1,903	1.84E-06	1.61E-05	2.96E-05	1.65E-06	1.44E-05	2.69E-05	6.27E-07	5.63E-06	1.04E-05	6.97E-07	6.29E-06	1.16E-05	8.34E-07	7.20E-06	1.33E-05	8.88E-07	7.65E-06	1.43E-05	7.02E-07	6.23E-06	1.14E-05
1,904	1.83E-06	1.61E-05	2.95E-05	1.65E-06	1.44E-05	2.69E-05	6.26E-07	5.62E-06	1.04E-05	6.97E-07	6.29E-06	1.16E-05	8.33E-07	7.20E-06	1.33E-05	8.88E-07	7.65E-06	1.43E-05	7.02E-07	6.22E-06	1.14E-05
1,905	1.83E-06	1.61E-05	2.95E-05	1.65E-06	1.44E-05	2.69E-05	6.26E-07	5.62E-06	1.04E-05	6.96E-07	6.28E-06	1.15E-05	8.33E-07	7.19E-06	1.33E-05	8.88E-07	7.64E-06	1.43E-05	7.02E-07	6.22E-06	1.14E-05
1,906	1.83E-06	1.61E-05	2.95E-05	1.65E-06	1.43E-05	2.69E-05	6.26E-07	5.61E-06	1.04E-05	6.96E-07	6.28E-06	1.15E-05	8.33E-07	7.19E-06	1.33E-05	8.88E-07	7.64E-06	1.42E-05	7.02E-07	6.22E-06	1.14E-05
1,907	1.83E-06	1.61E-05	2.95E-05	1.64E-06	1.43E-05	2.69E-05	6.26E-07	5.61E-06	1.04E-05	6.96E-07	6.28E-06	1.15E-05	8.33E-07	7.19E-06	1.33E-05	8.87E-07	7.64E-06	1.42E-05	7.01E-07	6.20E-06	1.14E-05
1,908	1.83E-06	1.61E-05	2.95E-05	1.64E-06	1.43E-05	2.69E-05	6.25E-07	5.60E-06	1.04E-05	6.96E-07	6.28E-06	1.15E-05	8.32E-07	7.18E-06	1.33E-05	8.87E-07	7.63E-06	1.42E-05	7.01E-07	6.20E-06	1.14E-05
1,909	1.83E-06	1.61E-05	2.95E-05	1.64E-06	1.43E-05	2.68E-05	6.25E-07	5.60E-06	1.04E-05	6.95E-07	6.27E-06	1.15E-05	8.32E-07	7.17E-06	1.33E-05	8.87E-07	7.62E-06	1.42E-05	7.01E-07	6.20E-06	1.14E-05
1,910	1.83E-06	1.61E-05	2.95E-05	1.64E-06	1.43E-05	2.68E-05	6.24E-07	5.60E-06	1.04E-05	6.94E-07	6.27E-06	1.15E-05	8.32E-07	7.17E-06	1.33E-05	8.87E-07	7.62E-06	1.42E-05	7.01E-07	6.20E-06	1.14E-05
1,911	1.83E-06	1.61E-05	2.94E-05	1.64E-06	1.43E-05	2.68E-05	6.24E-07	5.60E-06	1.04E-05	6.94E-07	6.27E-06	1.15E-05	8.32E-07	7.16E-06	1.33E-05	8.87E-07	7.61E-06	1.42E-05	7.01E-07	6.19E-06	1.14E-05
1,912	1.83E-06	1.61E-05	2.94E-05	1.64E-06	1.43E-05	2.68E-05	6.24E-07	5.59E-06	1.04E-05	6.94E-07	6.26E-06	1.15E-05	8.31E-07	7.16E-06	1.33E-05	8.87E-07	7.61E-06	1.42E-05	7.00E-07	6.19E-06	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,962	1.79E-06	1.57E-05	2.90E-05	1.61E-06	1.40E-05	2.62E-05	6.12E-07	5.49E-06	1.02E-05	6.78E-07	6.09E-06	1.13E-05	8.13E-07	7.00E-06	1.30E-05	8.71E-07	7.46E-06	1.40E-05	6.78E-07	6.03E-06	1.12E-05
1,963	1.79E-06	1.57E-05	2.90E-05	1.61E-06	1.39E-05	2.62E-05	6.11E-07	5.48E-06	1.02E-05	6.78E-07	6.09E-06	1.12E-05	8.13E-07	6.99E-06	1.30E-05	8.71E-07	7.46E-06	1.40E-05	6.78E-07	6.03E-06	1.12E-05
1,964	1.79E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.62E-05	6.10E-07	5.48E-06	1.02E-05	6.78E-07	6.09E-06	1.12E-05	8.13E-07	6.99E-06	1.30E-05	8.70E-07	7.45E-06	1.40E-05	6.78E-07	6.02E-06	1.12E-05
1,965	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.62E-05	6.10E-07	5.48E-06	1.02E-05	6.78E-07	6.09E-06	1.12E-05	8.12E-07	6.98E-06	1.30E-05	8.70E-07	7.45E-06	1.40E-05	6.78E-07	6.02E-06	1.11E-05
1,966	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.62E-05	6.10E-07	5.48E-06	1.02E-05	6.77E-07	6.09E-06	1.12E-05	8.12E-07	6.98E-06	1.30E-05	8.70E-07	7.45E-06	1.39E-05	6.77E-07	6.02E-06	1.11E-05
1,967	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.61E-05	6.10E-07	5.47E-06	1.02E-05	6.77E-07	6.09E-06	1.12E-05	8.12E-07	6.98E-06	1.30E-05	8.70E-07	7.44E-06	1.39E-05	6.76E-07	6.02E-06	1.11E-05
1,968	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.61E-05	6.10E-07	5.47E-06	1.02E-05	6.77E-07	6.08E-06	1.12E-05	8.11E-07	6.98E-06	1.30E-05	8.69E-07	7.44E-06	1.39E-05	6.75E-07	6.02E-06	1.11E-05
1,969	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.61E-05	6.10E-07	5.47E-06	1.02E-05	6.77E-07	6.08E-06	1.12E-05	8.11E-07	6.98E-06	1.30E-05	8.69E-07	7.44E-06	1.39E-05	6.74E-07	6.01E-06	1.11E-05
1,970	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.61E-05	6.10E-07	5.47E-06	1.02E-05	6.77E-07	6.08E-06	1.12E-05	8.11E-07	6.98E-06	1.30E-05	8.69E-07	7.44E-06	1.39E-05	6.74E-07	6.01E-06	1.11E-05
1,971	1.78E-06	1.57E-05	2.89E-05	1.60E-06	1.39E-05	2.61E-05	6.09E-07	5.46E-06	1.02E-05	6.76E-07	6.08E-06	1.12E-05	8.10E-07	6.98E-06	1.30E-05	8.68E-07	7.43E-06	1.39E-05	6.74E-07	6.01E-06	1.11E-05
1,972	1.78E-06	1.57E-05	2.88E-05	1.60E-06	1.39E-05	2.61E-05	6.09E-07	5.46E-06	1.02E-05	6.76E-07	6.08E-06	1.12E-05	8.10E-07	6.97E-06	1.30E-05	8.68E-07	7.42E-06	1.39E-05	6.74E-07	6.01E-06	1.11E-05
1,973	1.78E-06	1.56E-05	2.88E-05	1.60E-06	1.39E-05	2.61E-05	6.09E-07	5.46E-06	1.02E-05	6.76E-07	6.07E-06	1.12E-05	8.09E-07	6.97E-06	1.30E-05	8.67E-07	7.42E-06	1.39E-05	6.74E-07	6.00E-06	1.11E-05
1,974	1.78E-06	1.56E-05	2.88E-05	1.60E-06	1.39E-05	2.61E-05	6.09E-07	5.46E-06	1.02E-05	6.76E-07	6.07E-06	1.12E-05	8.09E-07	6.97E-06	1.30E-05	8.67E-07	7.42E-06	1.39E-05	6.74E-07	6.00E-06	1.11E-05
1,975	1.78E-06	1.56E-05	2.88E-05	1.59E-06	1.39E-05	2.60E-05	6.09E-07	5.46E-06	1.02E-05	6.76E-07	6.07E-06	1.12E-05	8.09E-07	6.97E-06	1.30E-05	8.66E-07	7.42E-06	1.39E-05	6.73E-07	6.00E-06	1.11E-05
1,976	1.78E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.08E-07	5.46E-06	1.02E-05	6.75E-07	6.06E-06	1.12E-05	8.09E-07	6.96E-06	1.30E-05	8.65E-07	7.42E-06	1.39E-05	6.73E-07	6.00E-06	1.11E-05
1,977	1.78E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.08E-07	5.46E-06	1.02E-05	6.74E-07	6.06E-06	1.12E-05	8.08E-07	6.96E-06	1.30E-05	8.65E-07	7.42E-06	1.39E-05	6.73E-07	6.00E-06	1.11E-05
1,978	1.78E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.08E-07	5.46E-06	1.02E-05	6.74E-07	6.06E-06	1.12E-05	8.08E-07	6.95E-06	1.30E-05	8.64E-07	7.41E-06	1.39E-05	6.72E-07	6.00E-06	1.11E-05
1,979	1.77E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.07E-07	5.46E-06	1.02E-05	6.73E-07	6.06E-06	1.12E-05	8.08E-07	6.95E-06	1.30E-05	8.64E-07	7.41E-06	1.39E-05	6.72E-07	6.00E-06	1.11E-05
1,980	1.77E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.07E-07	5.45E-06	1.02E-05	6.73E-07	6.06E-06	1.12E-05	8.07E-07	6.95E-06	1.30E-05	8.63E-07	7.41E-06	1.39E-05	6.72E-07	5.99E-06	1.11E-05
1,981	1.77E-06	1.56E-05	2.88E-05	1.59E-06	1.38E-05	2.60E-05	6.07E-07	5.45E-06	1.02E-05	6.73E-07	6.06E-06	1.12E-05	8.07E-07	6.95E-06	1.30E-05	8.63E-07	7.41E-06	1.39E-05	6.72E-07	5.99E-06	1.11E-05
1,982	1.77E-06	1.56E-05	2.87E-05	1.59E-06	1.38E-05	2.60E-05	6.07E-07	5.44E-06	1.02E-05	6.72E-07	6.06E-06	1.12E-05	8.07E-07	6.95E-06	1.29E-05	8.63E-07	7.41E-06	1.39E-05	6.71E-07	5.99E-06	1.11E-05
1,983	1.77E-06	1.56E-05	2.87E-05	1.59E-06	1.38E-05	2.60E-05	6.06E-07	5.44E-06	1.01E-05	6.72E-07	6.05E-06	1.12E-05	8.06E-07	6.94E-06	1.29E-05	8.63E-07	7.40E-06	1.39E-05	6.71E-07	5.99E-06	1.11E-05
1,984	1.77E-06	1.56E-05	2.87E-05	1.59E-06	1.38E-05	2.60E-05	6.05E-07	5.44E-06	1.01E-05	6.72E-07	6.05E-06	1.12E-05	8.06E-07	6.94E-06	1.29E-05	8.63E-07	7.40E-06	1.39E-05	6.71E-07	5.99E-06	1.11E-05
1,985	1.77E-06	1.56E-05	2.87E-05	1.59E-06	1.38E-05	2.60E-05	6.05E-07	5.44E-06	1.01E-05	6.71E-07	6.04E-06	1.11E-05	8.05E-07	6.93E-06	1.29E-05	8.63E-07	7.40E-06	1.38E-05	6.71E-07	5.99E-06	1.11E-05
1,986	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.60E-05	6.05E-07	5.43E-06	1.01E-05	6.71E-07	6.04E-06	1.11E-05	8.05E-07	6.93E-06	1.29E-05	8.62E-07	7.40E-06	1.38E-05	6.70E-07	5.98E-06	1.11E-05
1,987	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.05E-07	5.43E-06	1.01E-05	6.71E-07	6.03E-06	1.11E-05	8.05E-07	6.93E-06	1.29E-05	8.62E-07	7.39E-06	1.38E-05	6.70E-07	5.98E-06	1.11E-05
1,988	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.04E-07	5.43E-06	1.01E-05	6.71E-07	6.03E-06	1.11E-05	8.05E-07	6.93E-06	1.29E-05	8.62E-07	7.39E-06	1.38E-05	6.70E-07	5.98E-06	1.10E-05
1,989	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.04E-07	5.43E-06	1.01E-05	6.71E-07	6.02E-06	1.11E-05	8.04E-07	6.93E-06	1.29E-05	8.61E-07	7.39E-06	1.38E-05	6.70E-07	5.98E-06	1.10E-05
1,990	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.04E-07	5.43E-06	1.01E-05	6.70E-07	6.02E-06	1.11E-05	8.04E-07	6.93E-06	1.29E-05	8.61E-07	7.39E-06	1.38E-05	6.69E-07	5.98E-06	1.10E-05
1,991	1.77E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.04E-07	5.43E-06	1.01E-05	6.69E-07	6.02E-06	1.11E-05	8.03E-07	6.93E-06	1.29E-05	8.61E-07	7.39E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,992	1.76E-06	1.56E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.03E-07	5.43E-06	1.01E-05	6.69E-07	6.02E-06	1.11E-05	8.03E-07	6.92E-06	1.29E-05	8.60E-07	7.38E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,993	1.76E-06	1.55E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.03E-07	5.42E-06	1.01E-05	6.69E-07	6.01E-06	1.11E-05	8.03E-07	6.92E-06	1.29E-05	8.60E-07	7.37E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,994	1.76E-06	1.55E-05	2.87E-05	1.58E-06	1.38E-05	2.59E-05	6.03E-07	5.42E-06	1.01E-05	6.69E-07	6.01E-06	1.11E-05	8.03E-07	6.92E-06	1.29E-05	8.58E-07	7.37E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,995	1.76E-06	1.55E-05	2.87E-05	1.58E-06	1.37E-05	2.58E-05	6.03E-07	5.42E-06	1.01E-05	6.68E-07	6.01E-06	1.11E-05	8.02E-07	6.92E-06	1.29E-05	8.58E-07	7.36E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,996	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.03E-07	5.42E-06	1.01E-05	6.67E-07	6.01E-06	1.11E-05	8.02E-07	6.92E-06	1.29E-05	8.58E-07	7.36E-06	1.38E-05	6.69E-07	5.97E-06	1.10E-05
1,997	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.03E-07	5.42E-06	1.01E-05	6.67E-07	6.01E-06	1.11E-05	8.02E-07	6.92E-06	1.29E-05	8.58E-07	7.35E-06	1.38E-05	6.68E-07	5.97E-06	1.10E-05
1,998	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.03E-07	5.42E-06	1.01E-05	6.67E-07	6.01E-06	1.11E-05	8.02E-07	6.91E-06	1.29E-05	8.58E-07	7.35E-06	1.38E-05	6.68E-07	5.96E-06	1.10E-05
1,999	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.02E-07	5.42E-06	1.01E-05	6.67E-07	6.00E-06	1.11E-05	8.01E-07	6.89E-06	1.29E-05	8.57E-07	7.35E-06	1.38E-05	6.67E-07	5.95E-06	1.10E-05
2,000	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.02E-07	5.42E-06	1.01E-05	6.66E-07	6.00E-06	1.11E-05	8.00E-07	6.89E-06	1.29E-05	8.57E-07	7.35E-06	1.38E-05	6.67E-07	5.95E-06	1.10E-05
2,001	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.02E-07	5.42E-06	1.01E-05	6.66E-07	5.99E-06	1.11E-05	8.00E-07	6.89E-06	1.29E-05	8.56E-07	7.34E-06	1.38E-05	6.67E-07	5.95E-06	1.10E-05
2,002	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.58E-05	6.02E-07	5.42E-06	1.01E-05	6.65E-07	5.98E-06	1.11E-05	8.00E-07	6.88E-06	1.29E-05	8.56E-07	7.34E-06	1.38E-05	6.67E-07	5.94E-06	1.10E-05
2,003	1.76E-06	1.55E-05	2.86E-05	1.58E-06	1.37E-05	2.57E-05	6.02E-07	5.41E-06	1.01E-05	6.65E-07	5.98E-06	1.11E-05	8.00E-07	6.88E-06	1.29E-05	8.54E-07	7.34E-06	1.38E-05	6.67E-07	5.94E-06	1.10E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,024	1.74E-06	1.54E-05	2.84E-05	1.56E-06	1.35E-05	2.55E-05	5.97E-07	5.36E-06	1.00E-05	6.61E-07	5.92E-06	1.10E-05	7.93E-07	6.81E-06	1.28E-05	8.44E-07	7.27E-06	1.37E-05	6.60E-07	5.86E-06	1.09E-05
2,025	1.74E-06	1.53E-05	2.84E-05	1.56E-06	1.35E-05	2.55E-05	5.97E-07	5.35E-06	1.00E-05	6.60E-07	5.92E-06	1.10E-05	7.92E-07	6.81E-06	1.28E-05	8.43E-07	7.26E-06	1.37E-05	6.60E-07	5.86E-06	1.09E-05
2,026	1.74E-06	1.53E-05	2.84E-05	1.56E-06	1.35E-05	2.55E-05	5.97E-07	5.35E-06	1.00E-05	6.60E-07	5.92E-06	1.10E-05	7.91E-07	6.81E-06	1.28E-05	8.43E-07	7.26E-06	1.37E-05	6.60E-07	5.86E-06	1.09E-05
2,027	1.74E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.96E-07	5.34E-06	1.00E-05	6.59E-07	5.92E-06	1.10E-05	7.91E-07	6.80E-06	1.27E-05	8.43E-07	7.26E-06	1.37E-05	6.59E-07	5.86E-06	1.09E-05
2,028	1.74E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.96E-07	5.34E-06	1.00E-05	6.59E-07	5.92E-06	1.10E-05	7.91E-07	6.80E-06	1.27E-05	8.42E-07	7.26E-06	1.37E-05	6.59E-07	5.86E-06	1.09E-05
2,029	1.74E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.95E-07	5.34E-06	1.00E-05	6.59E-07	5.91E-06	1.10E-05	7.90E-07	6.80E-06	1.27E-05	8.42E-07	7.25E-06	1.36E-05	6.59E-07	5.86E-06	1.09E-05
2,030	1.73E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.95E-07	5.34E-06	1.00E-05	6.58E-07	5.91E-06	1.10E-05	7.89E-07	6.80E-06	1.27E-05	8.42E-07	7.25E-06	1.36E-05	6.59E-07	5.85E-06	1.09E-05
2,031	1.73E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.94E-07	5.34E-06	1.00E-05	6.57E-07	5.91E-06	1.10E-05	7.89E-07	6.79E-06	1.27E-05	8.42E-07	7.25E-06	1.36E-05	6.59E-07	5.84E-06	1.09E-05
2,032	1.73E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.94E-07	5.33E-06	9.99E-06	6.56E-07	5.91E-06	1.10E-05	7.89E-07	6.79E-06	1.27E-05	8.41E-07	7.24E-06	1.36E-05	6.58E-07	5.84E-06	1.09E-05
2,033	1.73E-06	1.53E-05	2.83E-05	1.56E-06	1.35E-05	2.55E-05	5.94E-07	5.33E-06	9.98E-06	6.56E-07	5.91E-06	1.10E-05	7.89E-07	6.79E-06	1.27E-05	8.41E-07	7.23E-06	1.36E-05	6.58E-07	5.83E-06	1.09E-05
2,034	1.73E-06	1.53E-05	2.82E-05	1.56E-06	1.35E-05	2.54E-05	5.94E-07	5.33E-06	9.97E-06	6.56E-07	5.91E-06	1.09E-05	7.88E-07	6.79E-06	1.27E-05	8.41E-07	7.23E-06	1.36E-05	6.57E-07	5.83E-06	1.09E-05
2,035	1.73E-06	1.53E-05	2.82E-05	1.56E-06	1.35E-05	2.54E-05	5.94E-07	5.32E-06	9.97E-06	6.56E-07	5.90E-06	1.09E-05	7.87E-07	6.78E-06	1.27E-05	8.41E-07	7.22E-06	1.36E-05	6.57E-07	5.83E-06	1.09E-05
2,036	1.73E-06	1.53E-05	2.82E-05	1.56E-06	1.35E-05	2.54E-05	5.94E-07	5.32E-06	9.96E-06	6.56E-07	5.89E-06	1.09E-05	7.87E-07	6.76E-06	1.27E-05	8.41E-07	7.22E-06	1.36E-05	6.57E-07	5.83E-06	1.09E-05
2,037	1.73E-06	1.53E-05	2.82E-05	1.56E-06	1.35E-05	2.54E-05	5.93E-07	5.32E-06	9.95E-06	6.56E-07	5.89E-06	1.09E-05	7.86E-07	6.76E-06	1.27E-05	8.40E-07	7.22E-06	1.36E-05	6.57E-07	5.83E-06	1.09E-05
2,038	1.73E-06	1.53E-05	2.82E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.32E-06	9.95E-06	6.56E-07	5.89E-06	1.09E-05	7.86E-07	6.75E-06	1.27E-05	8.40E-07	7.21E-06	1.36E-05	6.57E-07	5.83E-06	1.09E-05
2,039	1.73E-06	1.53E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.31E-06	9.95E-06	6.55E-07	5.89E-06	1.09E-05	7.86E-07	6.75E-06	1.27E-05	8.40E-07	7.21E-06	1.36E-05	6.57E-07	5.83E-06	1.08E-05
2,040	1.73E-06	1.53E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.31E-06	9.94E-06	6.55E-07	5.89E-06	1.09E-05	7.86E-07	6.75E-06	1.26E-05	8.40E-07	7.21E-06	1.36E-05	6.56E-07	5.82E-06	1.08E-05
2,041	1.72E-06	1.53E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.31E-06	9.94E-06	6.55E-07	5.88E-06	1.09E-05	7.86E-07	6.75E-06	1.26E-05	8.40E-07	7.21E-06	1.36E-05	6.56E-07	5.82E-06	1.08E-05
2,042	1.72E-06	1.52E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.31E-06	9.94E-06	6.54E-07	5.88E-06	1.09E-05	7.86E-07	6.74E-06	1.26E-05	8.39E-07	7.20E-06	1.36E-05	6.55E-07	5.82E-06	1.08E-05
2,043	1.72E-06	1.52E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.93E-07	5.31E-06	9.93E-06	6.54E-07	5.88E-06	1.09E-05	7.86E-07	6.74E-06	1.26E-05	8.39E-07	7.18E-06	1.35E-05	6.55E-07	5.82E-06	1.08E-05
2,044	1.72E-06	1.52E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.92E-07	5.30E-06	9.93E-06	6.54E-07	5.88E-06	1.09E-05	7.86E-07	6.73E-06	1.26E-05	8.39E-07	7.18E-06	1.35E-05	6.55E-07	5.81E-06	1.08E-05
2,045	1.72E-06	1.52E-05	2.81E-05	1.55E-06	1.35E-05	2.54E-05	5.92E-07	5.30E-06	9.93E-06	6.54E-07	5.88E-06	1.09E-05	7.85E-07	6.73E-06	1.26E-05	8.39E-07	7.18E-06	1.35E-05	6.55E-07	5.81E-06	1.08E-05
2,046	1.71E-06	1.52E-05	2.81E-05	1.55E-06	1.34E-05	2.53E-05	5.92E-07	5.30E-06	9.92E-06	6.54E-07	5.87E-06	1.09E-05	7.85E-07	6.72E-06	1.26E-05	8.38E-07	7.18E-06	1.35E-05	6.55E-07	5.81E-06	1.08E-05
2,047	1.71E-06	1.52E-05	2.81E-05	1.55E-06	1.34E-05	2.53E-05	5.92E-07	5.30E-06	9.92E-06	6.54E-07	5.87E-06	1.09E-05	7.85E-07	6.72E-06	1.26E-05	8.38E-07	7.17E-06	1.35E-05	6.54E-07	5.81E-06	1.08E-05
2,048	1.71E-06	1.52E-05	2.81E-05	1.54E-06	1.34E-05	2.53E-05	5.92E-07	5.29E-06	9.92E-06	6.53E-07	5.87E-06	1.09E-05	7.85E-07	6.72E-06	1.26E-05	8.38E-07	7.17E-06	1.35E-05	6.54E-07	5.80E-06	1.08E-05
2,049	1.71E-06	1.52E-05	2.81E-05	1.54E-06	1.34E-05	2.53E-05	5.91E-07	5.29E-06	9.91E-06	6.53E-07	5.87E-06	1.09E-05	7.85E-07	6.72E-06	1.26E-05	8.37E-07	7.17E-06	1.35E-05	6.54E-07	5.80E-06	1.08E-05
2,050	1.71E-06	1.52E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.91E-07	5.29E-06	9.91E-06	6.53E-07	5.86E-06	1.09E-05	7.85E-07	6.72E-06	1.26E-05	8.37E-07	7.17E-06	1.35E-05	6.54E-07	5.80E-06	1.08E-05
2,051	1.71E-06	1.52E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.91E-07	5.28E-06	9.91E-06	6.53E-07	5.86E-06	1.08E-05	7.84E-07	6.72E-06	1.26E-05	8.37E-07	7.16E-06	1.35E-05	6.54E-07	5.80E-06	1.08E-05
2,052	1.71E-06	1.52E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.90E-07	5.28E-06	9.90E-06	6.52E-07	5.86E-06	1.08E-05	7.84E-07	6.71E-06	1.26E-05	8.36E-07	7.16E-06	1.35E-05	6.54E-07	5.79E-06	1.08E-05
2,053	1.71E-06	1.52E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.90E-07	5.28E-06	9.90E-06	6.51E-07	5.85E-06	1.08E-05	7.84E-07	6.71E-06	1.26E-05	8.36E-07	7.16E-06	1.35E-05	6.54E-07	5.79E-06	1.08E-05
2,054	1.71E-06	1.51E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.90E-07	5.27E-06	9.89E-06	6.51E-07	5.85E-06	1.08E-05	7.84E-07	6.70E-06	1.26E-05	8.36E-07	7.15E-06	1.35E-05	6.53E-07	5.79E-06	1.08E-05
2,055	1.71E-06	1.51E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.90E-07	5.26E-06	9.89E-06	6.51E-07	5.85E-06	1.08E-05	7.84E-07	6.70E-06	1.25E-05	8.36E-07	7.15E-06	1.35E-05	6.53E-07	5.79E-06	1.08E-05
2,056	1.71E-06	1.51E-05	2.80E-05	1.54E-06	1.34E-05	2.53E-05	5.90E-07	5.26E-06	9.89E-06	6.51E-07	5.85E-06	1.08E-05	7.84E-07	6.70E-06	1.25E-05	8.35E-07	7.15E-06	1.35E-05	6.53E-07	5.78E-06	1.08E-05
2,057	1.71E-06	1.51E-05	2.80E-05	1.54E-06	1.34E-05	2.52E-05	5.90E-07	5.25E-06	9.89E-06	6.51E-07	5.85E-06	1.08E-05	7.83E-07	6.70E-06	1.25E-05	8.35E-07	7.15E-06	1.35E-05	6.52E-07	5.78E-06	1.08E-05
2,058	1.71E-06	1.51E-05	2.79E-05	1.54E-06	1.34E-05	2.52E-05	5.90E-07	5.25E-06	9.89E-06	6.50E-07	5.85E-06	1.08E-05	7.82E-07	6.69E-06	1.25E-05	8.34E-07	7.14E-06	1.35E-05	6.52E-07	5.78E-06	1.08E-05
2,059	1.71E-06	1.51E-05	2.79E-05	1.54E-06	1.34E-05	2.52E-05	5.89E-07	5.25E-06	9.88E-06	6.49E-07	5.85E-06	1.08E-05	7.82E-07	6.69E-06	1.25E-05	8.34E-07	7.14E-06	1.35E-05	6.52E-07	5.77E-06	1.08E-05
2,060	1.71E-06	1.51E-05	2.79E-05	1.54E-06	1.34E-05	2.52E-05	5.89E-07	5.25E-06	9.88E-06	6.49E-07	5.85E-06	1.08E-05	7.82E-07	6.68E-06	1.25E-05	8.34E-07	7.14E-06	1.34E-05	6.52E-07	5.77E-06	1.07E-05
2,061	1.71E-06	1.51E-05	2.79E-05	1.54E-06	1.34E-05	2.52E-05	5.89E-07	5.24E-06	9.88E-06	6.49E-07	5.84E-06	1.08E-05	7.82E-07	6.68E-06	1.25E-05	8.34E-07	7.14E-06	1.34E-05	6.52E-07	5.77E-06	1.07E-05
2,062	1.70E-06	1.51E-05	2.79E-05	1.54E-06	1.33E-05	2.52E-05	5.89E-07	5.24E-06	9.87E-06	6.49E-07	5.84E-06	1.08E-05	7.82E-07	6.68E-06	1.25E-05	8.33E-07	7.14E-06	1.34E-05	6.52E-07	5.77E-06	1.07E-05
2,063	1.70E-06	1.50E-05	2.79E-05	1.54E-06	1.33E-05	2.52E-05	5.89E-07	5.24E-06	9.87E-06	6.49E-07	5.84E-06	1.08E-05	7.82E-07	6.68E-06	1.25E-05	8.33E-07	7.13E-06	1.34E-05	6.51E-07	5.77E-06	1.07E-05
2,064	1.70E-06	1.50E-05	2.79E-05	1.54E-06	1.33E-05	2.52E-05	5.89E-07	5.24E-06	9.86E-06	6.48E-07	5.84E-06	1.08E-05	7.81E-07	6.67E-06	1.25E-05	8.33E-07	7.13E-06	1.34E-05	6.51E-07	5.76E-06	1.07E-05
2,065	1.70E-06	1.50E-05	2.79E-05	1.54E-06	1.33E-05	2.52E-05	5.88E-07	5.24E-06	9.86E-06	6.48E-07	5.83E-06	1.08E-05	7.80E-07	6.67E-06	1.25E-05	8.33E-07	7.13E-06	1.34E-05	6.51E-07	5.76E-06	1.07E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,086	1.69E-06	1.49E-05	2.76E-05	1.52E-06	1.32E-05	2.50E-05	5.82E-07	5.17E-06	9.79E-06	6.42E-07	5.77E-06	1.07E-05	7.74E-07	6.62E-06	1.24E-05	8.25E-07	7.07E-06	1.33E-05	6.44E-07	5.71E-06	1.06E-05
2,087	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.81E-07	5.17E-06	9.79E-06	6.42E-07	5.77E-06	1.07E-05	7.74E-07	6.62E-06	1.24E-05	8.25E-07	7.07E-06	1.33E-05	6.44E-07	5.71E-06	1.06E-05
2,088	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.81E-07	5.17E-06	9.78E-06	6.42E-07	5.76E-06	1.07E-05	7.74E-07	6.62E-06	1.24E-05	8.24E-07	7.07E-06	1.33E-05	6.44E-07	5.71E-06	1.06E-05
2,089	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.80E-07	5.17E-06	9.78E-06	6.41E-07	5.76E-06	1.07E-05	7.74E-07	6.61E-06	1.24E-05	8.24E-07	7.06E-06	1.33E-05	6.43E-07	5.71E-06	1.06E-05
2,090	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.80E-07	5.16E-06	9.77E-06	6.41E-07	5.75E-06	1.07E-05	7.73E-07	6.61E-06	1.24E-05	8.24E-07	7.06E-06	1.33E-05	6.43E-07	5.71E-06	1.06E-05
2,091	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.80E-07	5.16E-06	9.76E-06	6.41E-07	5.75E-06	1.06E-05	7.73E-07	6.61E-06	1.24E-05	8.23E-07	7.06E-06	1.33E-05	6.42E-07	5.71E-06	1.06E-05
2,092	1.69E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.80E-07	5.16E-06	9.76E-06	6.41E-07	5.74E-06	1.06E-05	7.73E-07	6.61E-06	1.24E-05	8.22E-07	7.06E-06	1.33E-05	6.42E-07	5.70E-06	1.06E-05
2,093	1.68E-06	1.49E-05	2.75E-05	1.52E-06	1.32E-05	2.49E-05	5.79E-07	5.16E-06	9.76E-06	6.41E-07	5.74E-06	1.06E-05	7.73E-07	6.60E-06	1.24E-05	8.22E-07	7.06E-06	1.33E-05	6.41E-07	5.70E-06	1.06E-05
2,094	1.68E-06	1.49E-05	2.75E-05	1.52E-06	1.31E-05	2.49E-05	5.79E-07	5.15E-06	9.75E-06	6.41E-07	5.74E-06	1.06E-05	7.73E-07	6.59E-06	1.24E-05	8.22E-07	7.06E-06	1.33E-05	6.41E-07	5.70E-06	1.06E-05
2,095	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.49E-05	5.79E-07	5.14E-06	9.74E-06	6.40E-07	5.74E-06	1.06E-05	7.73E-07	6.59E-06	1.24E-05	8.21E-07	7.06E-06	1.33E-05	6.41E-07	5.70E-06	1.06E-05
2,096	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.49E-05	5.78E-07	5.14E-06	9.74E-06	6.40E-07	5.74E-06	1.06E-05	7.73E-07	6.58E-06	1.24E-05	8.21E-07	7.05E-06	1.33E-05	6.41E-07	5.69E-06	1.06E-05
2,097	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.78E-07	5.14E-06	9.73E-06	6.40E-07	5.74E-06	1.06E-05	7.72E-07	6.58E-06	1.24E-05	8.20E-07	7.05E-06	1.33E-05	6.40E-07	5.69E-06	1.06E-05
2,098	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.78E-07	5.13E-06	9.73E-06	6.40E-07	5.74E-06	1.06E-05	7.72E-07	6.57E-06	1.24E-05	8.20E-07	7.05E-06	1.33E-05	6.40E-07	5.69E-06	1.06E-05
2,099	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.78E-07	5.13E-06	9.73E-06	6.39E-07	5.73E-06	1.06E-05	7.71E-07	6.57E-06	1.24E-05	8.20E-07	7.04E-06	1.33E-05	6.40E-07	5.69E-06	1.06E-05
2,100	1.68E-06	1.49E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.78E-07	5.13E-06	9.72E-06	6.39E-07	5.73E-06	1.06E-05	7.71E-07	6.56E-06	1.24E-05	8.19E-07	7.04E-06	1.33E-05	6.40E-07	5.69E-06	1.06E-05
2,101	1.68E-06	1.48E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.77E-07	5.13E-06	9.71E-06	6.39E-07	5.73E-06	1.06E-05	7.71E-07	6.56E-06	1.23E-05	8.19E-07	7.03E-06	1.33E-05	6.40E-07	5.69E-06	1.06E-05
2,102	1.68E-06	1.48E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.76E-07	5.12E-06	9.71E-06	6.38E-07	5.73E-06	1.06E-05	7.71E-07	6.56E-06	1.23E-05	8.18E-07	7.03E-06	1.33E-05	6.39E-07	5.69E-06	1.06E-05
2,103	1.68E-06	1.48E-05	2.74E-05	1.52E-06	1.31E-05	2.48E-05	5.76E-07	5.12E-06	9.71E-06	6.38E-07	5.72E-06	1.06E-05	7.71E-07	6.56E-06	1.23E-05	8.18E-07	7.03E-06	1.32E-05	6.39E-07	5.69E-06	1.06E-05
2,104	1.67E-06	1.48E-05	2.73E-05	1.52E-06	1.31E-05	2.48E-05	5.76E-07	5.12E-06	9.71E-06	6.38E-07	5.72E-06	1.06E-05	7.70E-07	6.56E-06	1.23E-05	8.18E-07	7.03E-06	1.32E-05	6.39E-07	5.69E-06	1.05E-05
2,105	1.67E-06	1.48E-05	2.73E-05	1.51E-06	1.31E-05	2.48E-05	5.75E-07	5.12E-06	9.71E-06	6.38E-07	5.71E-06	1.06E-05	7.70E-07	6.55E-06	1.23E-05	8.18E-07	7.03E-06	1.32E-05	6.39E-07	5.68E-06	1.05E-05
2,106	1.67E-06	1.48E-05	2.73E-05	1.51E-06	1.31E-05	2.47E-05	5.75E-07	5.12E-06	9.71E-06	6.38E-07	5.71E-06	1.06E-05	7.70E-07	6.55E-06	1.23E-05	8.18E-07	7.02E-06	1.32E-05	6.38E-07	5.67E-06	1.05E-05
2,107	1.67E-06	1.48E-05	2.73E-05	1.51E-06	1.31E-05	2.47E-05	5.74E-07	5.11E-06	9.71E-06	6.37E-07	5.71E-06	1.06E-05	7.70E-07	6.55E-06	1.23E-05	8.18E-07	7.02E-06	1.32E-05	6.38E-07	5.67E-06	1.05E-05
2,108	1.67E-06	1.48E-05	2.73E-05	1.51E-06	1.31E-05	2.47E-05	5.74E-07	5.11E-06	9.70E-06	6.37E-07	5.71E-06	1.06E-05	7.70E-07	6.54E-06	1.23E-05	8.18E-07	7.02E-06	1.32E-05	6.38E-07	5.67E-06	1.05E-05
2,109	1.67E-06	1.48E-05	2.73E-05	1.51E-06	1.31E-05	2.47E-05	5.73E-07	5.10E-06	9.69E-06	6.37E-07	5.71E-06	1.05E-05	7.70E-07	6.53E-06	1.23E-05	8.18E-07	7.02E-06	1.32E-05	6.37E-07	5.67E-06	1.05E-05
2,110	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.47E-05	5.73E-07	5.10E-06	9.68E-06	6.36E-07	5.71E-06	1.05E-05	7.70E-07	6.53E-06	1.23E-05	8.17E-07	7.02E-06	1.32E-05	6.37E-07	5.67E-06	1.05E-05
2,111	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.47E-05	5.73E-07	5.10E-06	9.67E-06	6.36E-07	5.71E-06	1.05E-05	7.70E-07	6.53E-06	1.23E-05	8.17E-07	7.01E-06	1.32E-05	6.37E-07	5.66E-06	1.05E-05
2,112	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.47E-05	5.73E-07	5.10E-06	9.67E-06	6.36E-07	5.70E-06	1.05E-05	7.69E-07	6.53E-06	1.23E-05	8.17E-07	7.01E-06	1.32E-05	6.36E-07	5.66E-06	1.05E-05
2,113	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.47E-05	5.73E-07	5.10E-06	9.67E-06	6.35E-07	5.70E-06	1.05E-05	7.69E-07	6.53E-06	1.23E-05	8.17E-07	7.01E-06	1.32E-05	6.36E-07	5.66E-06	1.05E-05
2,114	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.46E-05	5.73E-07	5.10E-06	9.67E-06	6.35E-07	5.70E-06	1.05E-05	7.69E-07	6.52E-06	1.23E-05	8.16E-07	7.01E-06	1.32E-05	6.36E-07	5.66E-06	1.05E-05
2,115	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.46E-05	5.73E-07	5.10E-06	9.66E-06	6.35E-07	5.70E-06	1.05E-05	7.69E-07	6.52E-06	1.23E-05	8.16E-07	7.01E-06	1.32E-05	6.36E-07	5.66E-06	1.05E-05
2,116	1.67E-06	1.48E-05	2.72E-05	1.51E-06	1.30E-05	2.46E-05	5.72E-07	5.09E-06	9.66E-06	6.35E-07	5.70E-06	1.05E-05	7.68E-07	6.52E-06	1.23E-05	8.16E-07	7.00E-06	1.32E-05	6.35E-07	5.66E-06	1.05E-05
2,117	1.66E-06	1.47E-05	2.72E-05	1.51E-06	1.30E-05	2.46E-05	5.72E-07	5.09E-06	9.66E-06	6.35E-07	5.70E-06	1.05E-05	7.68E-07	6.52E-06	1.23E-05	8.15E-07	7.00E-06	1.32E-05	6.35E-07	5.65E-06	1.05E-05
2,118	1.66E-06	1.47E-05	2.72E-05	1.51E-06	1.30E-05	2.46E-05	5.71E-07	5.09E-06	9.66E-06	6.34E-07	5.69E-06	1.05E-05	7.68E-07	6.51E-06	1.23E-05	8.15E-07	7.00E-06	1.32E-05	6.35E-07	5.65E-06	1.05E-05
2,119	1.66E-06	1.47E-05	2.72E-05	1.50E-06	1.30E-05	2.46E-05	5.71E-07	5.09E-06	9.66E-06	6.34E-07	5.69E-06	1.05E-05	7.68E-07	6.51E-06	1.23E-05	8.15E-07	7.00E-06	1.32E-05	6.34E-07	5.65E-06	1.05E-05
2,120	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.46E-05	5.71E-07	5.09E-06	9.66E-06	6.34E-07	5.69E-06	1.05E-05	7.67E-07	6.51E-06	1.23E-05	8.14E-07	7.00E-06	1.32E-05	6.34E-07	5.65E-06	1.05E-05
2,121	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.71E-07	5.09E-06	9.65E-06	6.34E-07	5.69E-06	1.05E-05	7.67E-07	6.51E-06	1.23E-05	8.14E-07	7.00E-06	1.32E-05	6.34E-07	5.64E-06	1.05E-05
2,122	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.71E-07	5.09E-06	9.65E-06	6.34E-07	5.69E-06	1.05E-05	7.67E-07	6.51E-06	1.23E-05	8.14E-07	6.99E-06	1.32E-05	6.34E-07	5.63E-06	1.04E-05
2,123	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.71E-07	5.08E-06	9.65E-06	6.34E-07	5.69E-06	1.05E-05	7.67E-07	6.51E-06	1.23E-05	8.13E-07	6.99E-06	1.32E-05	6.33E-07	5.63E-06	1.04E-05
2,124	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.71E-07	5.08E-06	9.65E-06	6.33E-07	5.68E-06	1.05E-05	7.67E-07	6.50E-06	1.22E-05	8.13E-07	6.99E-06	1.31E-05	6.33E-07	5.63E-06	1.04E-05
2,125	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.70E-07	5.08E-06	9.64E-06	6.33E-07	5.68E-06	1.05E-05	7.67E-07	6.50E-06	1.22E-05	8.13E-07	6.98E-06	1.31E-05	6.33E-07	5.63E-06	1.04E-05
2,126	1.66E-06	1.47E-05	2.71E-05	1.50E-06	1.30E-05	2.45E-05	5.70E-07	5.07E-06	9.64E-06	6.33E-07	5.68E-06	1.05E-05	7.66E-07	6.50E-06	1.22E-05	8.12E-07	6.96E-06	1.31E-05	6.32E-07	5.62E-06	1.04E-05
2,127	1.65E-06	1.47E-05	2.71E-05	1.50E-06	1.29E-05	2.45E-05	5.70E-07	5.07E-06	9.64E-06	6.33E-07	5.67E-06	1.05E-05	7.66E-07	6.49E-06	1.22E-05	8.12E-07	6.96E-06	1.31E-05	6.32E-07	5.62E-06	1.04E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,148	1.64E-06	1.45E-05	2.68E-05	1.49E-06	1.28E-05	2.43E-05	5.65E-07	5.04E-06	9.53E-06	6.27E-07	5.61E-06	1.04E-05	7.58E-07	6.45E-06	1.21E-05	8.05E-07	6.89E-06	1.31E-05	6.26E-07	5.58E-06	1.03E-05
2,149	1.64E-06	1.45E-05	2.68E-05	1.49E-06	1.28E-05	2.43E-05	5.65E-07	5.04E-06	9.53E-06	6.27E-07	5.61E-06	1.04E-05	7.58E-07	6.45E-06	1.21E-05	8.05E-07	6.88E-06	1.31E-05	6.26E-07	5.57E-06	1.03E-05
2,150	1.64E-06	1.45E-05	2.67E-05	1.49E-06	1.28E-05	2.43E-05	5.65E-07	5.04E-06	9.53E-06	6.27E-07	5.60E-06	1.04E-05	7.58E-07	6.45E-06	1.21E-05	8.04E-07	6.88E-06	1.31E-05	6.26E-07	5.57E-06	1.03E-05
2,151	1.64E-06	1.45E-05	2.67E-05	1.48E-06	1.28E-05	2.43E-05	5.65E-07	5.04E-06	9.53E-06	6.27E-07	5.60E-06	1.04E-05	7.58E-07	6.44E-06	1.21E-05	8.04E-07	6.87E-06	1.31E-05	6.26E-07	5.57E-06	1.03E-05
2,152	1.64E-06	1.45E-05	2.67E-05	1.48E-06	1.28E-05	2.43E-05	5.64E-07	5.03E-06	9.53E-06	6.27E-07	5.60E-06	1.04E-05	7.58E-07	6.43E-06	1.21E-05	8.03E-07	6.87E-06	1.31E-05	6.26E-07	5.57E-06	1.03E-05
2,153	1.64E-06	1.45E-05	2.67E-05	1.48E-06	1.28E-05	2.43E-05	5.63E-07	5.03E-06	9.53E-06	6.26E-07	5.60E-06	1.04E-05	7.57E-07	6.43E-06	1.21E-05	8.03E-07	6.87E-06	1.31E-05	6.26E-07	5.57E-06	1.03E-05
2,154	1.64E-06	1.44E-05	2.67E-05	1.48E-06	1.28E-05	2.43E-05	5.63E-07	5.03E-06	9.53E-06	6.26E-07	5.59E-06	1.04E-05	7.57E-07	6.43E-06	1.21E-05	8.03E-07	6.87E-06	1.31E-05	6.25E-07	5.56E-06	1.03E-05
2,155	1.64E-06	1.44E-05	2.67E-05	1.48E-06	1.28E-05	2.42E-05	5.63E-07	5.03E-06	9.52E-06	6.24E-07	5.58E-06	1.04E-05	7.57E-07	6.42E-06	1.21E-05	8.03E-07	6.86E-06	1.31E-05	6.25E-07	5.56E-06	1.03E-05
2,156	1.64E-06	1.44E-05	2.67E-05	1.48E-06	1.28E-05	2.42E-05	5.63E-07	5.03E-06	9.52E-06	6.24E-07	5.58E-06	1.04E-05	7.57E-07	6.41E-06	1.21E-05	8.03E-07	6.86E-06	1.30E-05	6.25E-07	5.56E-06	1.03E-05
2,157	1.64E-06	1.44E-05	2.67E-05	1.48E-06	1.28E-05	2.42E-05	5.63E-07	5.03E-06	9.52E-06	6.24E-07	5.58E-06	1.04E-05	7.57E-07	6.41E-06	1.21E-05	8.02E-07	6.85E-06	1.30E-05	6.25E-07	5.56E-06	1.03E-05
2,158	1.63E-06	1.44E-05	2.67E-05	1.48E-06	1.28E-05	2.42E-05	5.63E-07	5.02E-06	9.52E-06	6.24E-07	5.58E-06	1.04E-05	7.57E-07	6.41E-06	1.21E-05	8.01E-07	6.85E-06	1.30E-05	6.24E-07	5.56E-06	1.03E-05
2,159	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.28E-05	2.42E-05	5.63E-07	5.02E-06	9.51E-06	6.23E-07	5.58E-06	1.04E-05	7.57E-07	6.41E-06	1.21E-05	8.01E-07	6.85E-06	1.30E-05	6.24E-07	5.56E-06	1.03E-05
2,160	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.63E-07	5.02E-06	9.51E-06	6.23E-07	5.58E-06	1.04E-05	7.56E-07	6.41E-06	1.21E-05	8.01E-07	6.85E-06	1.30E-05	6.24E-07	5.55E-06	1.03E-05
2,161	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.63E-07	5.01E-06	9.51E-06	6.23E-07	5.58E-06	1.04E-05	7.56E-07	6.41E-06	1.21E-05	8.01E-07	6.85E-06	1.30E-05	6.24E-07	5.55E-06	1.03E-05
2,162	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.63E-07	5.01E-06	9.51E-06	6.23E-07	5.57E-06	1.04E-05	7.55E-07	6.41E-06	1.21E-05	8.00E-07	6.85E-06	1.30E-05	6.24E-07	5.55E-06	1.03E-05
2,163	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.61E-07	5.01E-06	9.50E-06	6.22E-07	5.57E-06	1.04E-05	7.55E-07	6.40E-06	1.21E-05	8.00E-07	6.85E-06	1.30E-05	6.24E-07	5.55E-06	1.03E-05
2,164	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.61E-07	5.00E-06	9.50E-06	6.22E-07	5.57E-06	1.04E-05	7.55E-07	6.40E-06	1.20E-05	8.00E-07	6.84E-06	1.30E-05	6.23E-07	5.55E-06	1.03E-05
2,165	1.63E-06	1.44E-05	2.66E-05	1.48E-06	1.27E-05	2.42E-05	5.61E-07	5.00E-06	9.49E-06	6.22E-07	5.57E-06	1.04E-05	7.54E-07	6.39E-06	1.20E-05	8.00E-07	6.84E-06	1.30E-05	6.23E-07	5.55E-06	1.03E-05
2,166	1.63E-06	1.44E-05	2.66E-05	1.47E-06	1.27E-05	2.41E-05	5.61E-07	5.00E-06	9.49E-06	6.22E-07	5.57E-06	1.04E-05	7.54E-07	6.39E-06	1.20E-05	7.99E-07	6.84E-06	1.30E-05	6.23E-07	5.55E-06	1.03E-05
2,167	1.63E-06	1.43E-05	2.66E-05	1.47E-06	1.27E-05	2.41E-05	5.61E-07	5.00E-06	9.48E-06	6.22E-07	5.57E-06	1.04E-05	7.52E-07	6.39E-06	1.20E-05	7.99E-07	6.83E-06	1.30E-05	6.23E-07	5.55E-06	1.03E-05
2,168	1.63E-06	1.43E-05	2.66E-05	1.47E-06	1.27E-05	2.41E-05	5.61E-07	5.00E-06	9.48E-06	6.21E-07	5.57E-06	1.03E-05	7.52E-07	6.38E-06	1.20E-05	7.99E-07	6.83E-06	1.30E-05	6.23E-07	5.54E-06	1.03E-05
2,169	1.63E-06	1.43E-05	2.66E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	5.00E-06	9.48E-06	6.21E-07	5.56E-06	1.03E-05	7.52E-07	6.37E-06	1.20E-05	7.98E-07	6.83E-06	1.30E-05	6.22E-07	5.54E-06	1.03E-05
2,170	1.63E-06	1.43E-05	2.66E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	5.00E-06	9.47E-06	6.21E-07	5.56E-06	1.03E-05	7.52E-07	6.36E-06	1.20E-05	7.98E-07	6.83E-06	1.30E-05	6.22E-07	5.54E-06	1.03E-05
2,171	1.63E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	5.00E-06	9.47E-06	6.21E-07	5.55E-06	1.03E-05	7.51E-07	6.36E-06	1.20E-05	7.97E-07	6.83E-06	1.30E-05	6.22E-07	5.54E-06	1.03E-05
2,172	1.63E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	4.99E-06	9.47E-06	6.21E-07	5.55E-06	1.03E-05	7.51E-07	6.36E-06	1.20E-05	7.97E-07	6.83E-06	1.30E-05	6.22E-07	5.54E-06	1.03E-05
2,173	1.63E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	4.99E-06	9.46E-06	6.21E-07	5.55E-06	1.03E-05	7.51E-07	6.36E-06	1.20E-05	7.97E-07	6.83E-06	1.30E-05	6.21E-07	5.54E-06	1.02E-05
2,174	1.63E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.60E-07	4.99E-06	9.46E-06	6.20E-07	5.54E-06	1.03E-05	7.50E-07	6.36E-06	1.20E-05	7.96E-07	6.82E-06	1.30E-05	6.21E-07	5.53E-06	1.02E-05
2,175	1.62E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.59E-07	4.98E-06	9.46E-06	6.20E-07	5.53E-06	1.03E-05	7.50E-07	6.35E-06	1.20E-05	7.96E-07	6.82E-06	1.30E-05	6.20E-07	5.53E-06	1.02E-05
2,176	1.62E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.59E-07	4.98E-06	9.46E-06	6.20E-07	5.53E-06	1.03E-05	7.49E-07	6.34E-06	1.20E-05	7.96E-07	6.82E-06	1.30E-05	6.20E-07	5.53E-06	1.02E-05
2,177	1.62E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.59E-07	4.98E-06	9.45E-06	6.20E-07	5.53E-06	1.03E-05	7.49E-07	6.34E-06	1.20E-05	7.96E-07	6.82E-06	1.30E-05	6.19E-07	5.53E-06	1.02E-05
2,178	1.62E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.59E-07	4.98E-06	9.45E-06	6.20E-07	5.53E-06	1.03E-05	7.48E-07	6.33E-06	1.19E-05	7.96E-07	6.82E-06	1.30E-05	6.19E-07	5.52E-06	1.02E-05
2,179	1.62E-06	1.43E-05	2.65E-05	1.47E-06	1.27E-05	2.41E-05	5.59E-07	4.97E-06	9.45E-06	6.19E-07	5.53E-06	1.03E-05	7.48E-07	6.33E-06	1.19E-05	7.96E-07	6.81E-06	1.30E-05	6.19E-07	5.52E-06	1.02E-05
2,180	1.62E-06	1.43E-05	2.64E-05	1.47E-06	1.27E-05	2.40E-05	5.59E-07	4.97E-06	9.44E-06	6.19E-07	5.52E-06	1.03E-05	7.48E-07	6.33E-06	1.19E-05	7.95E-07	6.81E-06	1.30E-05	6.19E-07	5.52E-06	1.02E-05
2,181	1.62E-06	1.43E-05	2.64E-05	1.47E-06	1.27E-05	2.40E-05	5.59E-07	4.97E-06	9.44E-06	6.19E-07	5.52E-06	1.03E-05	7.48E-07	6.33E-06	1.19E-05	7.95E-07	6.81E-06	1.29E-05	6.19E-07	5.52E-06	1.02E-05
2,182	1.62E-06	1.43E-05	2.64E-05	1.46E-06	1.27E-05	2.40E-05	5.59E-07	4.97E-06	9.44E-06	6.19E-07	5.52E-06	1.03E-05	7.48E-07	6.33E-06	1.19E-05	7.92E-07	6.81E-06	1.29E-05	6.19E-07	5.52E-06	1.02E-05
2,183	1.62E-06	1.43E-05	2.64E-05	1.46E-06	1.27E-05	2.40E-05	5.59E-07	4.97E-06	9.44E-06	6.19E-07	5.52E-06	1.03E-05	7.48E-07	6.32E-06	1.19E-05	7.92E-07	6.81E-06	1.29E-05	6.19E-07	5.52E-06	1.02E-05
2,184	1.62E-06	1.43E-05	2.64E-05	1.46E-06	1.27E-05	2.40E-05	5.58E-07	4.97E-06	9.44E-06	6.19E-07	5.51E-06	1.03E-05	7.47E-07	6.32E-06	1.19E-05	7.92E-07	6.80E-06	1.29E-05	6.18E-07	5.52E-06	1.02E-05
2,185	1.62E-06	1.43E-05	2.64E-05	1.46E-06	1.27E-05	2.40E-05	5.58E-07	4.96E-06	9.44E-06	6.18E-07	5.51E-06	1.03E-05	7.47E-07	6.30E-06	1.19E-05	7.92E-07	6.80E-06	1.29E-05	6.18E-07	5.51E-06	1.02E-05
2,186	1.62E-06	1.43E-05	2.64E-05	1.46E-06	1.27E-05	2.39E-05	5.57E-07	4.96E-06	9.43E-06	6.18E-07	5.51E-06	1.03E-05	7.47E-07	6.30E-06	1.19E-05	7.92E-07	6.80E-06	1.29E-05	6.18E-07	5.51E-06	1.02E-05
2,187	1.62E-06	1.42E-05	2.64E-05	1.46E-06	1.27E-05	2.39E-05	5.57E-07	4.96E-06	9.43E-06	6.18E-07	5.51E-06	1.03E-05	7.47E-07	6.30E-06	1.19E-05	7.91E-07	6.80E-06	1.29E-05	6.17E-07	5.50E-06	1.02E-05
2,188	1.62E-06	1.42E-05	2.64E-05	1.46E-06	1.26E-05	2.39E-05	5.57E-07	4.96E-06	9.42E-06	6.18E-07	5.51E-06	1.03E-05	7.47E-07	6.30E-06	1.19E-05	7.91E-07	6.79E-06	1.29E-05	6.17E-07	5.50E-06	1.02E-05
2,189	1.62E-06	1.42E-05	2.64E-05	1.46E-06	1.26E-05	2.39E-05	5.56E-07	4.96E-06	9.42E-06	6.18E-07	5.51E-06	1.03E-05	7.46E-07	6.30E-06	1.19E-05	7.91E-07	6.79E-06	1.29E-05	6.17E-07	5.49E-06	1.02E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,210	1.60E-06	1.41E-05	2.61E-05	1.45E-06	1.25E-05	2.37E-05	5.51E-07	4.91E-06	9.33E-06	6.12E-07	5.47E-06	1.02E-05	7.42E-07	6.24E-06	1.18E-05	7.84E-07	6.73E-06	1.28E-05	6.10E-07	5.45E-06	1.01E-05
2,211	1.60E-06	1.41E-05	2.61E-05	1.45E-06	1.25E-05	2.37E-05	5.51E-07	4.91E-06	9.33E-06	6.12E-07	5.47E-06	1.02E-05	7.42E-07	6.24E-06	1.18E-05	7.84E-07	6.73E-06	1.28E-05	6.10E-07	5.45E-06	1.01E-05
2,212	1.60E-06	1.41E-05	2.61E-05	1.45E-06	1.25E-05	2.37E-05	5.51E-07	4.91E-06	9.33E-06	6.12E-07	5.47E-06	1.02E-05	7.41E-07	6.24E-06	1.18E-05	7.83E-07	6.73E-06	1.28E-05	6.09E-07	5.45E-06	1.01E-05
2,213	1.60E-06	1.41E-05	2.61E-05	1.45E-06	1.25E-05	2.37E-05	5.50E-07	4.91E-06	9.33E-06	6.12E-07	5.46E-06	1.02E-05	7.41E-07	6.24E-06	1.18E-05	7.83E-07	6.72E-06	1.28E-05	6.09E-07	5.45E-06	1.01E-05
2,214	1.60E-06	1.40E-05	2.61E-05	1.44E-06	1.25E-05	2.37E-05	5.50E-07	4.91E-06	9.32E-06	6.12E-07	5.46E-06	1.02E-05	7.41E-07	6.24E-06	1.18E-05	7.83E-07	6.72E-06	1.28E-05	6.09E-07	5.45E-06	1.01E-05
2,215	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.49E-07	4.91E-06	9.32E-06	6.12E-07	5.46E-06	1.02E-05	7.41E-07	6.24E-06	1.18E-05	7.82E-07	6.71E-06	1.28E-05	6.09E-07	5.44E-06	1.01E-05
2,216	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.49E-07	4.91E-06	9.32E-06	6.11E-07	5.46E-06	1.02E-05	7.41E-07	6.23E-06	1.18E-05	7.82E-07	6.71E-06	1.28E-05	6.09E-07	5.44E-06	1.01E-05
2,217	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.49E-07	4.90E-06	9.31E-06	6.11E-07	5.45E-06	1.02E-05	7.40E-07	6.23E-06	1.18E-05	7.82E-07	6.71E-06	1.28E-05	6.08E-07	5.44E-06	1.01E-05
2,218	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.48E-07	4.90E-06	9.31E-06	6.11E-07	5.45E-06	1.02E-05	7.40E-07	6.23E-06	1.18E-05	7.81E-07	6.71E-06	1.28E-05	6.08E-07	5.44E-06	1.01E-05
2,219	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.48E-07	4.90E-06	9.30E-06	6.10E-07	5.45E-06	1.02E-05	7.40E-07	6.22E-06	1.18E-05	7.81E-07	6.70E-06	1.28E-05	6.08E-07	5.44E-06	1.00E-05
2,220	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.48E-07	4.90E-06	9.30E-06	6.10E-07	5.44E-06	1.02E-05	7.39E-07	6.22E-06	1.18E-05	7.81E-07	6.70E-06	1.28E-05	6.08E-07	5.43E-06	1.00E-05
2,221	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.48E-07	4.90E-06	9.30E-06	6.10E-07	5.44E-06	1.02E-05	7.39E-07	6.22E-06	1.18E-05	7.81E-07	6.70E-06	1.28E-05	6.08E-07	5.42E-06	1.00E-05
2,222	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.47E-07	4.90E-06	9.30E-06	6.10E-07	5.44E-06	1.02E-05	7.39E-07	6.22E-06	1.18E-05	7.81E-07	6.70E-06	1.28E-05	6.07E-07	5.42E-06	1.00E-05
2,223	1.60E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.37E-05	5.47E-07	4.89E-06	9.30E-06	6.10E-07	5.44E-06	1.01E-05	7.38E-07	6.22E-06	1.18E-05	7.81E-07	6.69E-06	1.28E-05	6.07E-07	5.42E-06	1.00E-05
2,224	1.59E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.36E-05	5.47E-07	4.89E-06	9.29E-06	6.09E-07	5.44E-06	1.01E-05	7.38E-07	6.22E-06	1.18E-05	7.80E-07	6.69E-06	1.27E-05	6.07E-07	5.42E-06	1.00E-05
2,225	1.59E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.36E-05	5.47E-07	4.89E-06	9.28E-06	6.09E-07	5.44E-06	1.01E-05	7.38E-07	6.21E-06	1.18E-05	7.80E-07	6.68E-06	1.27E-05	6.06E-07	5.42E-06	1.00E-05
2,226	1.59E-06	1.40E-05	2.60E-05	1.44E-06	1.25E-05	2.36E-05	5.47E-07	4.89E-06	9.28E-06	6.09E-07	5.43E-06	1.01E-05	7.38E-07	6.21E-06	1.18E-05	7.80E-07	6.68E-06	1.27E-05	6.06E-07	5.42E-06	1.00E-05
2,227	1.59E-06	1.40E-05	2.60E-05	1.44E-06	1.24E-05	2.36E-05	5.46E-07	4.89E-06	9.28E-06	6.09E-07	5.43E-06	1.01E-05	7.38E-07	6.21E-06	1.18E-05	7.79E-07	6.68E-06	1.27E-05	6.06E-07	5.41E-06	1.00E-05
2,228	1.59E-06	1.40E-05	2.59E-05	1.44E-06	1.24E-05	2.36E-05	5.46E-07	4.89E-06	9.27E-06	6.09E-07	5.43E-06	1.01E-05	7.38E-07	6.21E-06	1.18E-05	7.79E-07	6.68E-06	1.27E-05	6.06E-07	5.41E-06	1.00E-05
2,229	1.59E-06	1.40E-05	2.59E-05	1.44E-06	1.24E-05	2.36E-05	5.46E-07	4.89E-06	9.27E-06	6.09E-07	5.43E-06	1.01E-05	7.37E-07	6.20E-06	1.18E-05	7.78E-07	6.68E-06	1.27E-05	6.06E-07	5.40E-06	9.99E-06
2,230	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.45E-07	4.89E-06	9.27E-06	6.08E-07	5.42E-06	1.01E-05	7.37E-07	6.20E-06	1.18E-05	7.78E-07	6.68E-06	1.27E-05	6.05E-07	5.39E-06	9.99E-06
2,231	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.45E-07	4.88E-06	9.27E-06	6.08E-07	5.42E-06	1.01E-05	7.37E-07	6.20E-06	1.18E-05	7.78E-07	6.67E-06	1.27E-05	6.05E-07	5.39E-06	9.99E-06
2,232	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.45E-07	4.88E-06	9.27E-06	6.08E-07	5.42E-06	1.01E-05	7.36E-07	6.20E-06	1.18E-05	7.78E-07	6.67E-06	1.27E-05	6.04E-07	5.38E-06	9.98E-06
2,233	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.44E-07	4.88E-06	9.26E-06	6.08E-07	5.42E-06	1.01E-05	7.36E-07	6.20E-06	1.18E-05	7.77E-07	6.67E-06	1.27E-05	6.04E-07	5.38E-06	9.97E-06
2,234	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.44E-07	4.88E-06	9.26E-06	6.08E-07	5.42E-06	1.01E-05	7.36E-07	6.20E-06	1.18E-05	7.76E-07	6.66E-06	1.27E-05	6.04E-07	5.38E-06	9.97E-06
2,235	1.59E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.44E-07	4.87E-06	9.25E-06	6.07E-07	5.41E-06	1.01E-05	7.35E-07	6.19E-06	1.18E-05	7.76E-07	6.66E-06	1.27E-05	6.04E-07	5.38E-06	9.96E-06
2,236	1.58E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.36E-05	5.44E-07	4.87E-06	9.25E-06	6.07E-07	5.41E-06	1.01E-05	7.35E-07	6.19E-06	1.18E-05	7.76E-07	6.66E-06	1.27E-05	6.04E-07	5.38E-06	9.96E-06
2,237	1.58E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.35E-05	5.44E-07	4.87E-06	9.25E-06	6.07E-07	5.41E-06	1.01E-05	7.34E-07	6.19E-06	1.18E-05	7.76E-07	6.66E-06	1.27E-05	6.04E-07	5.38E-06	9.95E-06
2,238	1.58E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.35E-05	5.43E-07	4.86E-06	9.24E-06	6.07E-07	5.41E-06	1.01E-05	7.34E-07	6.18E-06	1.18E-05	7.75E-07	6.66E-06	1.27E-05	6.03E-07	5.38E-06	9.95E-06
2,239	1.58E-06	1.39E-05	2.59E-05	1.43E-06	1.24E-05	2.35E-05	5.43E-07	4.86E-06	9.24E-06	6.07E-07	5.40E-06	1.01E-05	7.34E-07	6.18E-06	1.17E-05	7.75E-07	6.66E-06	1.27E-05	6.03E-07	5.37E-06	9.95E-06
2,240	1.58E-06	1.39E-05	2.58E-05	1.43E-06	1.24E-05	2.35E-05	5.43E-07	4.86E-06	9.24E-06	6.06E-07	5.40E-06	1.01E-05	7.33E-07	6.18E-06	1.17E-05	7.75E-07	6.66E-06	1.27E-05	6.03E-07	5.37E-06	9.94E-06
2,241	1.58E-06	1.39E-05	2.58E-05	1.43E-06	1.24E-05	2.35E-05	5.43E-07	4.86E-06	9.24E-06	6.06E-07	5.40E-06	1.01E-05	7.32E-07	6.17E-06	1.17E-05	7.74E-07	6.65E-06	1.27E-05	6.03E-07	5.37E-06	9.94E-06
2,242	1.58E-06	1.39E-05	2.58E-05	1.43E-06	1.24E-05	2.35E-05	5.43E-07	4.86E-06	9.23E-06	6.06E-07	5.40E-06	1.01E-05	7.32E-07	6.17E-06	1.17E-05	7.74E-07	6.65E-06	1.27E-05	6.03E-07	5.37E-06	9.94E-06
2,243	1.58E-06	1.38E-05	2.58E-05	1.43E-06	1.23E-05	2.35E-05	5.43E-07	4.86E-06	9.23E-06	6.06E-07	5.40E-06	1.01E-05	7.32E-07	6.16E-06	1.17E-05	7.74E-07	6.64E-06	1.27E-05	6.02E-07	5.37E-06	9.94E-06
2,244	1.58E-06	1.38E-05	2.58E-05	1.43E-06	1.23E-05	2.34E-05	5.42E-07	4.86E-06	9.22E-06	6.05E-07	5.40E-06	1.01E-05	7.32E-07	6.16E-06	1.17E-05	7.73E-07	6.63E-06	1.27E-05	6.02E-07	5.37E-06	9.93E-06
2,245	1.58E-06	1.38E-05	2.58E-05	1.42E-06	1.23E-05	2.34E-05	5.42E-07	4.86E-06	9.22E-06	6.05E-07	5.39E-06	1.01E-05	7.32E-07	6.16E-06	1.17E-05	7.73E-07	6.62E-06	1.27E-05	6.01E-07	5.36E-06	9.93E-06
2,246	1.58E-06	1.38E-05	2.58E-05	1.42E-06	1.23E-05	2.34E-05	5.42E-07	4.85E-06	9.22E-06	6.05E-07	5.39E-06	1.01E-05	7.31E-07	6.16E-06	1.17E-05	7.73E-07	6.62E-06	1.27E-05	6.01E-07	5.36E-06	9.92E-06
2,247	1.58E-06	1.38E-05	2.58E-05	1.42E-06	1.23E-05	2.34E-05	5.42E-07	4.85E-06	9.21E-06	6.05E-07	5.39E-06	1.01E-05	7.31E-07	6.16E-06	1.17E-05	7.72E-07	6.62E-06	1.27E-05	6.01E-07	5.36E-06	9.91E-06
2,248	1.58E-06	1.38E-05	2.58E-05	1.42E-06	1.23E-05	2.34E-05	5.42E-07	4.85E-06	9.21E-06	6.05E-07	5.39E-06	1.00E-05	7.31E-07	6.16E-06	1.17E-05	7.72E-07	6.62E-06	1.27E-05	6.00E-07	5.36E-06	9.91E-06
2,249	1.58E-06	1.38E-05	2.58E-05	1.42E-06	1.23E-05	2.33E-05	5.42E-07	4.85E-06	9.21E-06	6.05E-07	5.38E-06	1.00E-05	7.31E-07	6.14E-06	1.17E-05	7.72E-07	6.62E-06	1.27E-05	6.00E-07	5.36E-06	9.91E-06
2,250	1.57E-06	1.38E-05	2.57E-05	1.42E-06	1.23E-05	2.33E-05	5.42E-07	4.85E-06	9.20E-06	6.04E-07	5.38E-06	1.00E-05	7.30E-07	6.14E-06	1.17E-05	7.72E-07	6.62E-06	1.27E-05	5.99E-07	5.35E-06	9.91E-06
2,251	1.57E-06	1.38E-05	2.57E-05	1.42E-06	1.23E-05	2.33E-05	5.41E-07	4.85E-06	9.19E-06	6.04E-07	5.38E-06	1.00E-05	7.30E-07	6.14E-06	1.17E-05	7.72E-07	6.62E-06	1.27E-05	5.98E-07	5.35E-06	9.90E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,272	1.55E-06	1.37E-05	2.55E-05	1.41E-06	1.22E-05	2.30E-05	5.37E-07	4.82E-06	9.11E-06	5.96E-07	5.34E-06	9.95E-06	7.25E-07	6.10E-06	1.16E-05	7.66E-07	6.56E-06	1.26E-05	5.93E-07	5.32E-06	9.80E-06
2,273	1.55E-06	1.37E-05	2.55E-05	1.41E-06	1.22E-05	2.29E-05	5.37E-07	4.82E-06	9.11E-06	5.96E-07	5.34E-06	9.95E-06	7.25E-07	6.10E-06	1.16E-05	7.65E-07	6.56E-06	1.26E-05	5.93E-07	5.31E-06	9.80E-06
2,274	1.55E-06	1.37E-05	2.55E-05	1.41E-06	1.22E-05	2.29E-05	5.36E-07	4.81E-06	9.10E-06	5.95E-07	5.34E-06	9.95E-06	7.25E-07	6.10E-06	1.16E-05	7.65E-07	6.56E-06	1.26E-05	5.93E-07	5.31E-06	9.79E-06
2,275	1.55E-06	1.36E-05	2.55E-05	1.41E-06	1.22E-05	2.29E-05	5.35E-07	4.81E-06	9.09E-06	5.95E-07	5.34E-06	9.94E-06	7.25E-07	6.10E-06	1.16E-05	7.64E-07	6.56E-06	1.26E-05	5.93E-07	5.31E-06	9.79E-06
2,276	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.29E-05	5.35E-07	4.81E-06	9.09E-06	5.95E-07	5.34E-06	9.94E-06	7.24E-07	6.10E-06	1.16E-05	7.64E-07	6.56E-06	1.26E-05	5.93E-07	5.31E-06	9.79E-06
2,277	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.29E-05	5.35E-07	4.81E-06	9.09E-06	5.95E-07	5.34E-06	9.93E-06	7.24E-07	6.10E-06	1.16E-05	7.63E-07	6.56E-06	1.25E-05	5.92E-07	5.31E-06	9.78E-06
2,278	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.29E-05	5.35E-07	4.81E-06	9.08E-06	5.95E-07	5.34E-06	9.93E-06	7.23E-07	6.09E-06	1.16E-05	7.63E-07	6.55E-06	1.25E-05	5.92E-07	5.31E-06	9.77E-06
2,279	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.29E-05	5.35E-07	4.81E-06	9.08E-06	5.95E-07	5.34E-06	9.93E-06	7.22E-07	6.09E-06	1.16E-05	7.63E-07	6.55E-06	1.25E-05	5.92E-07	5.31E-06	9.77E-06
2,280	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.34E-07	4.81E-06	9.07E-06	5.94E-07	5.33E-06	9.93E-06	7.22E-07	6.09E-06	1.16E-05	7.63E-07	6.55E-06	1.25E-05	5.92E-07	5.31E-06	9.77E-06
2,281	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.34E-07	4.81E-06	9.06E-06	5.94E-07	5.33E-06	9.93E-06	7.21E-07	6.09E-06	1.16E-05	7.63E-07	6.55E-06	1.25E-05	5.92E-07	5.30E-06	9.76E-06
2,282	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.34E-07	4.81E-06	9.06E-06	5.94E-07	5.33E-06	9.93E-06	7.21E-07	6.09E-06	1.16E-05	7.63E-07	6.55E-06	1.25E-05	5.91E-07	5.30E-06	9.75E-06
2,283	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.33E-07	4.81E-06	9.06E-06	5.93E-07	5.33E-06	9.93E-06	7.21E-07	6.09E-06	1.16E-05	7.62E-07	6.55E-06	1.25E-05	5.91E-07	5.30E-06	9.75E-06
2,284	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.33E-07	4.80E-06	9.05E-06	5.93E-07	5.33E-06	9.92E-06	7.20E-07	6.09E-06	1.16E-05	7.62E-07	6.54E-06	1.25E-05	5.91E-07	5.30E-06	9.75E-06
2,285	1.55E-06	1.36E-05	2.54E-05	1.41E-06	1.22E-05	2.28E-05	5.33E-07	4.80E-06	9.05E-06	5.93E-07	5.33E-06	9.92E-06	7.20E-07	6.09E-06	1.16E-05	7.62E-07	6.54E-06	1.25E-05	5.91E-07	5.29E-06	9.75E-06
2,286	1.55E-06	1.36E-05	2.54E-05	1.40E-06	1.22E-05	2.28E-05	5.33E-07	4.80E-06	9.05E-06	5.93E-07	5.32E-06	9.92E-06	7.20E-07	6.09E-06	1.16E-05	7.62E-07	6.54E-06	1.25E-05	5.91E-07	5.29E-06	9.75E-06
2,287	1.55E-06	1.36E-05	2.54E-05	1.40E-06	1.22E-05	2.27E-05	5.33E-07	4.80E-06	9.05E-06	5.93E-07	5.32E-06	9.92E-06	7.19E-07	6.09E-06	1.16E-05	7.62E-07	6.54E-06	1.25E-05	5.90E-07	5.29E-06	9.74E-06
2,288	1.55E-06	1.35E-05	2.54E-05	1.40E-06	1.21E-05	2.27E-05	5.33E-07	4.80E-06	9.04E-06	5.92E-07	5.32E-06	9.91E-06	7.19E-07	6.09E-06	1.16E-05	7.61E-07	6.54E-06	1.25E-05	5.90E-07	5.29E-06	9.74E-06
2,289	1.55E-06	1.35E-05	2.54E-05	1.40E-06	1.21E-05	2.27E-05	5.32E-07	4.80E-06	9.04E-06	5.92E-07	5.32E-06	9.91E-06	7.19E-07	6.08E-06	1.16E-05	7.61E-07	6.53E-06	1.25E-05	5.90E-07	5.29E-06	9.74E-06
2,290	1.55E-06	1.35E-05	2.54E-05	1.40E-06	1.21E-05	2.27E-05	5.32E-07	4.79E-06	9.04E-06	5.92E-07	5.31E-06	9.90E-06	7.19E-07	6.08E-06	1.15E-05	7.61E-07	6.53E-06	1.25E-05	5.90E-07	5.29E-06	9.73E-06
2,291	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.32E-07	4.79E-06	9.04E-06	5.92E-07	5.31E-06	9.90E-06	7.18E-07	6.07E-06	1.15E-05	7.61E-07	6.53E-06	1.25E-05	5.89E-07	5.29E-06	9.73E-06
2,292	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.32E-07	4.79E-06	9.03E-06	5.92E-07	5.31E-06	9.88E-06	7.18E-07	6.07E-06	1.15E-05	7.60E-07	6.53E-06	1.25E-05	5.89E-07	5.28E-06	9.73E-06
2,293	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.32E-07	4.79E-06	9.03E-06	5.92E-07	5.30E-06	9.88E-06	7.18E-07	6.07E-06	1.15E-05	7.60E-07	6.52E-06	1.25E-05	5.89E-07	5.28E-06	9.73E-06
2,294	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.31E-07	4.79E-06	9.02E-06	5.91E-07	5.30E-06	9.88E-06	7.18E-07	6.07E-06	1.15E-05	7.60E-07	6.52E-06	1.25E-05	5.89E-07	5.28E-06	9.73E-06
2,295	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.31E-07	4.78E-06	9.02E-06	5.91E-07	5.29E-06	9.88E-06	7.17E-07	6.07E-06	1.15E-05	7.60E-07	6.52E-06	1.25E-05	5.89E-07	5.28E-06	9.72E-06
2,296	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.31E-07	4.78E-06	9.01E-06	5.90E-07	5.29E-06	9.88E-06	7.17E-07	6.07E-06	1.15E-05	7.60E-07	6.52E-06	1.25E-05	5.89E-07	5.28E-06	9.72E-06
2,297	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.30E-07	4.78E-06	9.01E-06	5.90E-07	5.29E-06	9.87E-06	7.17E-07	6.07E-06	1.15E-05	7.59E-07	6.51E-06	1.24E-05	5.89E-07	5.28E-06	9.72E-06
2,298	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.30E-07	4.78E-06	9.01E-06	5.90E-07	5.28E-06	9.86E-06	7.17E-07	6.06E-06	1.15E-05	7.59E-07	6.51E-06	1.24E-05	5.88E-07	5.27E-06	9.71E-06
2,299	1.54E-06	1.35E-05	2.53E-05	1.40E-06	1.21E-05	2.27E-05	5.30E-07	4.78E-06	9.01E-06	5.90E-07	5.28E-06	9.86E-06	7.17E-07	6.06E-06	1.15E-05	7.58E-07	6.51E-06	1.24E-05	5.88E-07	5.27E-06	9.71E-06
2,300	1.54E-06	1.35E-05	2.53E-05	1.39E-06	1.21E-05	2.27E-05	5.30E-07	4.77E-06	9.00E-06	5.89E-07	5.28E-06	9.86E-06	7.16E-07	6.06E-06	1.15E-05	7.58E-07	6.51E-06	1.24E-05	5.87E-07	5.26E-06	9.71E-06
2,301	1.54E-06	1.35E-05	2.53E-05	1.39E-06	1.21E-05	2.26E-05	5.30E-07	4.77E-06	8.99E-06	5.89E-07	5.27E-06	9.85E-06	7.16E-07	6.06E-06	1.15E-05	7.58E-07	6.50E-06	1.24E-05	5.87E-07	5.26E-06	9.71E-06
2,302	1.54E-06	1.35E-05	2.53E-05	1.39E-06	1.21E-05	2.26E-05	5.30E-07	4.77E-06	8.98E-06	5.89E-07	5.27E-06	9.85E-06	7.16E-07	6.06E-06	1.15E-05	7.58E-07	6.50E-06	1.24E-05	5.87E-07	5.26E-06	9.71E-06
2,303	1.54E-06	1.35E-05	2.52E-05	1.39E-06	1.21E-05	2.26E-05	5.29E-07	4.77E-06	8.98E-06	5.89E-07	5.27E-06	9.85E-06	7.16E-07	6.06E-06	1.15E-05	7.58E-07	6.50E-06	1.24E-05	5.86E-07	5.25E-06	9.71E-06
2,304	1.54E-06	1.35E-05	2.52E-05	1.39E-06	1.21E-05	2.26E-05	5.29E-07	4.77E-06	8.97E-06	5.89E-07	5.27E-06	9.85E-06	7.15E-07	6.05E-06	1.15E-05	7.58E-07	6.49E-06	1.24E-05	5.86E-07	5.25E-06	9.70E-06
2,305	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.29E-07	4.77E-06	8.97E-06	5.89E-07	5.27E-06	9.85E-06	7.15E-07	6.05E-06	1.15E-05	7.57E-07	6.49E-06	1.24E-05	5.86E-07	5.24E-06	9.70E-06
2,306	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.29E-07	4.76E-06	8.97E-06	5.89E-07	5.27E-06	9.84E-06	7.15E-07	6.04E-06	1.15E-05	7.57E-07	6.49E-06	1.24E-05	5.86E-07	5.24E-06	9.69E-06
2,307	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.29E-07	4.76E-06	8.96E-06	5.88E-07	5.27E-06	9.84E-06	7.15E-07	6.04E-06	1.15E-05	7.56E-07	6.49E-06	1.24E-05	5.86E-07	5.24E-06	9.69E-06
2,308	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.29E-07	4.76E-06	8.96E-06	5.88E-07	5.26E-06	9.84E-06	7.14E-07	6.04E-06	1.15E-05	7.56E-07	6.49E-06	1.24E-05	5.86E-07	5.24E-06	9.68E-06
2,309	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.28E-07	4.76E-06	8.96E-06	5.87E-07	5.26E-06	9.83E-06	7.14E-07	6.04E-06	1.15E-05	7.56E-07	6.48E-06	1.24E-05	5.86E-07	5.24E-06	9.68E-06
2,310	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.26E-05	5.28E-07	4.76E-06	8.95E-06	5.87E-07	5.26E-06	9.82E-06	7.14E-07	6.04E-06	1.15E-05	7.56E-07	6.48E-06	1.24E-05	5.85E-07	5.24E-06	9.67E-06
2,311	1.54E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.25E-05	5.28E-07	4.76E-06	8.95E-06	5.87E-07	5.26E-06	9.82E-06	7.14E-07	6.04E-06	1.14E-05	7.55E-07	6.48E-06	1.24E-05	5.85E-07	5.24E-06	9.67E-06
2,312	1.53E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.25E-05	5.28E-07	4.75E-06	8.95E-06	5.87E-07	5.26E-06	9.81E-06	7.13E-07	6.04E-06	1.14E-05	7.55E-07	6.48E-06	1.24E-05	5.85E-07	5.24E-06	9.67E-06
2,313	1.53E-06	1.34E-05	2.52E-05	1.39E-06	1.20E-05	2.25E-05	5.28E-07	4.75E-06	8.93E-06	5.86E-07	5.26E-06	9.81E-06	7.13E-07	6.04E-06	1.14E-05	7.55E-07	6.47E-06	1.24E-05	5.85E-07	5.24E-06	9.66E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,334	1.52E-06	1.33E-05	2.50E-05	1.37E-06	1.19E-05	2.23E-05	5.24E-07	4.71E-06	8.85E-06	5.83E-07	5.23E-06	9.71E-06	7.07E-07	5.99E-06	1.13E-05	7.49E-07	6.43E-06	1.23E-05	5.81E-07	5.18E-06	9.61E-06
2,335	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.19E-05	2.23E-05	5.24E-07	4.71E-06	8.85E-06	5.83E-07	5.23E-06	9.71E-06	7.07E-07	5.98E-06	1.13E-05	7.49E-07	6.42E-06	1.23E-05	5.81E-07	5.18E-06	9.59E-06
2,336	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.19E-05	2.23E-05	5.24E-07	4.71E-06	8.84E-06	5.82E-07	5.23E-06	9.70E-06	7.06E-07	5.98E-06	1.13E-05	7.49E-07	6.42E-06	1.23E-05	5.81E-07	5.17E-06	9.59E-06
2,337	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.19E-05	2.23E-05	5.24E-07	4.71E-06	8.84E-06	5.82E-07	5.23E-06	9.70E-06	7.05E-07	5.98E-06	1.13E-05	7.48E-07	6.42E-06	1.23E-05	5.80E-07	5.17E-06	9.58E-06
2,338	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.19E-05	2.23E-05	5.24E-07	4.71E-06	8.84E-06	5.82E-07	5.23E-06	9.70E-06	7.05E-07	5.98E-06	1.13E-05	7.47E-07	6.42E-06	1.23E-05	5.80E-07	5.17E-06	9.58E-06
2,339	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.18E-05	2.23E-05	5.24E-07	4.70E-06	8.82E-06	5.81E-07	5.22E-06	9.70E-06	7.05E-07	5.98E-06	1.13E-05	7.47E-07	6.41E-06	1.23E-05	5.80E-07	5.17E-06	9.58E-06
2,340	1.51E-06	1.33E-05	2.50E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.70E-06	8.82E-06	5.81E-07	5.22E-06	9.69E-06	7.05E-07	5.98E-06	1.13E-05	7.47E-07	6.41E-06	1.23E-05	5.80E-07	5.17E-06	9.57E-06
2,341	1.51E-06	1.33E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.70E-06	8.82E-06	5.81E-07	5.22E-06	9.69E-06	7.05E-07	5.97E-06	1.13E-05	7.47E-07	6.41E-06	1.23E-05	5.80E-07	5.16E-06	9.57E-06
2,342	1.51E-06	1.33E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.69E-06	8.82E-06	5.80E-07	5.22E-06	9.69E-06	7.04E-07	5.97E-06	1.12E-05	7.46E-07	6.40E-06	1.23E-05	5.80E-07	5.16E-06	9.56E-06
2,343	1.51E-06	1.33E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.69E-06	8.81E-06	5.80E-07	5.22E-06	9.69E-06	7.04E-07	5.97E-06	1.12E-05	7.46E-07	6.40E-06	1.23E-05	5.80E-07	5.16E-06	9.56E-06
2,344	1.51E-06	1.32E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.69E-06	8.81E-06	5.80E-07	5.22E-06	9.68E-06	7.04E-07	5.97E-06	1.12E-05	7.46E-07	6.40E-06	1.23E-05	5.80E-07	5.16E-06	9.56E-06
2,345	1.51E-06	1.32E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.23E-07	4.69E-06	8.81E-06	5.80E-07	5.22E-06	9.68E-06	7.04E-07	5.96E-06	1.12E-05	7.46E-07	6.40E-06	1.23E-05	5.79E-07	5.16E-06	9.56E-06
2,346	1.51E-06	1.32E-05	2.49E-05	1.37E-06	1.18E-05	2.23E-05	5.22E-07	4.69E-06	8.80E-06	5.80E-07	5.21E-06	9.68E-06	7.04E-07	5.96E-06	1.12E-05	7.46E-07	6.39E-06	1.23E-05	5.79E-07	5.16E-06	9.56E-06
2,347	1.51E-06	1.32E-05	2.48E-05	1.37E-06	1.18E-05	2.23E-05	5.22E-07	4.68E-06	8.80E-06	5.80E-07	5.21E-06	9.67E-06	7.03E-07	5.96E-06	1.12E-05	7.45E-07	6.38E-06	1.23E-05	5.79E-07	5.16E-06	9.55E-06
2,348	1.51E-06	1.32E-05	2.48E-05	1.37E-06	1.18E-05	2.23E-05	5.22E-07	4.68E-06	8.80E-06	5.79E-07	5.21E-06	9.67E-06	7.03E-07	5.96E-06	1.12E-05	7.45E-07	6.38E-06	1.23E-05	5.79E-07	5.15E-06	9.55E-06
2,349	1.51E-06	1.32E-05	2.48E-05	1.37E-06	1.18E-05	2.22E-05	5.22E-07	4.68E-06	8.79E-06	5.79E-07	5.21E-06	9.67E-06	7.03E-07	5.95E-06	1.12E-05	7.45E-07	6.38E-06	1.23E-05	5.79E-07	5.15E-06	9.55E-06
2,350	1.51E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.22E-07	4.68E-06	8.79E-06	5.79E-07	5.21E-06	9.67E-06	7.03E-07	5.95E-06	1.12E-05	7.45E-07	6.38E-06	1.23E-05	5.77E-07	5.15E-06	9.54E-06
2,351	1.51E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.22E-07	4.68E-06	8.78E-06	5.79E-07	5.20E-06	9.66E-06	7.02E-07	5.95E-06	1.12E-05	7.45E-07	6.38E-06	1.23E-05	5.77E-07	5.15E-06	9.54E-06
2,352	1.51E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.21E-07	4.67E-06	8.78E-06	5.79E-07	5.20E-06	9.66E-06	7.02E-07	5.95E-06	1.12E-05	7.45E-07	6.37E-06	1.22E-05	5.77E-07	5.15E-06	9.53E-06
2,353	1.50E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.21E-07	4.67E-06	8.78E-06	5.79E-07	5.20E-06	9.65E-06	7.02E-07	5.94E-06	1.12E-05	7.44E-07	6.37E-06	1.22E-05	5.76E-07	5.15E-06	9.53E-06
2,354	1.50E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.21E-07	4.67E-06	8.78E-06	5.78E-07	5.20E-06	9.64E-06	7.01E-07	5.94E-06	1.12E-05	7.42E-07	6.37E-06	1.22E-05	5.76E-07	5.15E-06	9.52E-06
2,355	1.50E-06	1.32E-05	2.48E-05	1.36E-06	1.18E-05	2.22E-05	5.21E-07	4.67E-06	8.78E-06	5.78E-07	5.20E-06	9.64E-06	7.01E-07	5.94E-06	1.12E-05	7.42E-07	6.37E-06	1.22E-05	5.76E-07	5.15E-06	9.52E-06
2,356	1.50E-06	1.32E-05	2.47E-05	1.36E-06	1.17E-05	2.22E-05	5.21E-07	4.67E-06	8.78E-06	5.78E-07	5.20E-06	9.62E-06	7.01E-07	5.93E-06	1.12E-05	7.42E-07	6.36E-06	1.22E-05	5.76E-07	5.15E-06	9.52E-06
2,357	1.50E-06	1.32E-05	2.47E-05	1.36E-06	1.17E-05	2.22E-05	5.21E-07	4.67E-06	8.77E-06	5.78E-07	5.20E-06	9.62E-06	7.01E-07	5.93E-06	1.12E-05	7.42E-07	6.36E-06	1.22E-05	5.76E-07	5.14E-06	9.51E-06
2,358	1.50E-06	1.32E-05	2.47E-05	1.36E-06	1.17E-05	2.22E-05	5.21E-07	4.67E-06	8.77E-06	5.78E-07	5.19E-06	9.61E-06	7.01E-07	5.93E-06	1.12E-05	7.42E-07	6.36E-06	1.22E-05	5.75E-07	5.14E-06	9.51E-06
2,359	1.50E-06	1.32E-05	2.47E-05	1.36E-06	1.17E-05	2.22E-05	5.20E-07	4.66E-06	8.76E-06	5.77E-07	5.19E-06	9.61E-06	7.00E-07	5.93E-06	1.12E-05	7.41E-07	6.35E-06	1.22E-05	5.75E-07	5.14E-06	9.51E-06
2,360	1.50E-06	1.32E-05	2.47E-05	1.36E-06	1.17E-05	2.22E-05	5.20E-07	4.66E-06	8.75E-06	5.77E-07	5.19E-06	9.61E-06	7.00E-07	5.93E-06	1.12E-05	7.41E-07	6.35E-06	1.22E-05	5.75E-07	5.14E-06	9.51E-06
2,361	1.50E-06	1.31E-05	2.47E-05	1.36E-06	1.17E-05	2.21E-05	5.20E-07	4.66E-06	8.75E-06	5.77E-07	5.19E-06	9.60E-06	7.00E-07	5.92E-06	1.12E-05	7.40E-07	6.35E-06	1.22E-05	5.74E-07	5.14E-06	9.51E-06
2,362	1.50E-06	1.31E-05	2.47E-05	1.36E-06	1.17E-05	2.21E-05	5.20E-07	4.66E-06	8.75E-06	5.76E-07	5.19E-06	9.60E-06	7.00E-07	5.92E-06	1.12E-05	7.40E-07	6.35E-06	1.22E-05	5.74E-07	5.13E-06	9.51E-06
2,363	1.50E-06	1.31E-05	2.47E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.66E-06	8.74E-06	5.75E-07	5.18E-06	9.59E-06	6.99E-07	5.92E-06	1.12E-05	7.40E-07	6.35E-06	1.22E-05	5.74E-07	5.13E-06	9.50E-06
2,364	1.50E-06	1.31E-05	2.47E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.66E-06	8.74E-06	5.75E-07	5.18E-06	9.59E-06	6.99E-07	5.91E-06	1.12E-05	7.40E-07	6.34E-06	1.22E-05	5.74E-07	5.13E-06	9.49E-06
2,365	1.50E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.65E-06	8.73E-06	5.74E-07	5.18E-06	9.59E-06	6.99E-07	5.91E-06	1.12E-05	7.40E-07	6.34E-06	1.22E-05	5.74E-07	5.13E-06	9.49E-06
2,366	1.50E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.65E-06	8.73E-06	5.74E-07	5.18E-06	9.59E-06	6.99E-07	5.91E-06	1.12E-05	7.39E-07	6.34E-06	1.22E-05	5.74E-07	5.13E-06	9.49E-06
2,367	1.50E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.65E-06	8.73E-06	5.74E-07	5.17E-06	9.59E-06	6.98E-07	5.90E-06	1.12E-05	7.39E-07	6.33E-06	1.22E-05	5.73E-07	5.13E-06	9.49E-06
2,368	1.50E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.65E-06	8.71E-06	5.74E-07	5.17E-06	9.59E-06	6.98E-07	5.90E-06	1.12E-05	7.39E-07	6.33E-06	1.21E-05	5.73E-07	5.12E-06	9.49E-06
2,369	1.50E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.21E-05	5.19E-07	4.65E-06	8.70E-06	5.74E-07	5.17E-06	9.58E-06	6.97E-07	5.90E-06	1.11E-05	7.38E-07	6.33E-06	1.21E-05	5.73E-07	5.12E-06	9.49E-06
2,370	1.49E-06	1.31E-05	2.46E-05	1.36E-06	1.17E-05	2.20E-05	5.18E-07	4.64E-06	8.70E-06	5.74E-07	5.17E-06	9.58E-06	6.97E-07	5.90E-06	1.11E-05	7.38E-07	6.32E-06	1.21E-05	5.73E-07	5.11E-06	9.48E-06
2,371	1.49E-06	1.31E-05	2.46E-05	1.35E-06	1.17E-05	2.20E-05	5.18E-07	4.64E-06	8.70E-06	5.74E-07	5.17E-06	9.58E-06	6.97E-07	5.89E-06	1.11E-05	7.38E-07	6.32E-06	1.21E-05	5.73E-07	5.11E-06	9.48E-06
2,372	1.49E-06	1.31E-05	2.45E-05	1.35E-06	1.17E-05	2.20E-05	5.18E-07	4.64E-06	8.70E-06	5.74E-07	5.16E-06	9.58E-06	6.97E-07	5.89E-06	1.11E-05	7.38E-07	6.32E-06	1.21E-05	5.72E-07	5.11E-06	9.48E-06
2,373	1.49E-06	1.31E-05	2.45E-05	1.35E-06	1.17E-05	2.20E-05	5.18E-07	4.64E-06	8.69E-06	5.73E-07	5.16E-06	9.58E-06	6.96E-07	5.89E-06	1.11E-05	7.38E-07	6.32E-06	1.21E-05	5.72E-07	5.10E-06	9.48E-06
2,374	1.49E-06	1.31E-05	2.45E-05	1.35E-06	1.17E-05	2.20E-05	5.18E-07	4.63E-06	8.69E-06	5.73E-07	5.16E-06	9.57E-06	6.96E-07	5.89E-06	1.11E-05	7.37E-07	6.31E-06	1.21E-05	5.72E-07	5.10E-06	9.48E-06
2,375	1.49E-06	1.31E-05	2.44E-05	1.35E-06	1.17E-05	2.20E-05	5.17E-07	4.63E-06	8.69E-06	5.73E-07	5.16E-06	9.57E-06	6.96E-07	5.89E-06	1.11E-05	7.37E-07	6.31E-06	1.21E-05	5.72E-07	5.09E-06	9.48E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,396	1.48E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.13E-07	4.59E-06	8.62E-06	5.70E-07	5.10E-06	9.50E-06	6.90E-07	5.85E-06	1.10E-05	7.32E-07	6.26E-06	1.20E-05	5.67E-07	5.04E-06	9.39E-06
2,397	1.48E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.12E-07	4.58E-06	8.61E-06	5.69E-07	5.10E-06	9.50E-06	6.90E-07	5.85E-06	1.10E-05	7.32E-07	6.26E-06	1.19E-05	5.66E-07	5.04E-06	9.38E-06
2,398	1.48E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.12E-07	4.58E-06	8.61E-06	5.69E-07	5.10E-06	9.50E-06	6.90E-07	5.85E-06	1.10E-05	7.32E-07	6.26E-06	1.19E-05	5.66E-07	5.04E-06	9.37E-06
2,399	1.47E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.12E-07	4.58E-06	8.61E-06	5.69E-07	5.10E-06	9.49E-06	6.89E-07	5.85E-06	1.10E-05	7.32E-07	6.26E-06	1.19E-05	5.66E-07	5.04E-06	9.36E-06
2,400	1.47E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.12E-07	4.57E-06	8.61E-06	5.69E-07	5.10E-06	9.49E-06	6.89E-07	5.85E-06	1.10E-05	7.31E-07	6.25E-06	1.19E-05	5.66E-07	5.04E-06	9.36E-06
2,401	1.47E-06	1.29E-05	2.42E-05	1.34E-06	1.16E-05	2.18E-05	5.12E-07	4.57E-06	8.61E-06	5.68E-07	5.10E-06	9.48E-06	6.89E-07	5.85E-06	1.10E-05	7.30E-07	6.24E-06	1.19E-05	5.66E-07	5.04E-06	9.36E-06
2,402	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.18E-05	5.12E-07	4.57E-06	8.61E-06	5.68E-07	5.09E-06	9.48E-06	6.89E-07	5.85E-06	1.10E-05	7.30E-07	6.24E-06	1.19E-05	5.65E-07	5.04E-06	9.36E-06
2,403	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.18E-05	5.12E-07	4.57E-06	8.60E-06	5.68E-07	5.09E-06	9.47E-06	6.88E-07	5.85E-06	1.10E-05	7.30E-07	6.24E-06	1.19E-05	5.64E-07	5.04E-06	9.35E-06
2,404	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.18E-05	5.12E-07	4.57E-06	8.60E-06	5.68E-07	5.08E-06	9.47E-06	6.88E-07	5.85E-06	1.10E-05	7.30E-07	6.24E-06	1.19E-05	5.64E-07	5.04E-06	9.35E-06
2,405	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.11E-07	4.56E-06	8.60E-06	5.67E-07	5.08E-06	9.46E-06	6.88E-07	5.85E-06	1.10E-05	7.30E-07	6.23E-06	1.19E-05	5.64E-07	5.04E-06	9.35E-06
2,406	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.11E-07	4.56E-06	8.60E-06	5.67E-07	5.08E-06	9.45E-06	6.87E-07	5.83E-06	1.10E-05	7.29E-07	6.23E-06	1.19E-05	5.64E-07	5.03E-06	9.34E-06
2,407	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.11E-07	4.56E-06	8.60E-06	5.67E-07	5.08E-06	9.45E-06	6.87E-07	5.83E-06	1.10E-05	7.29E-07	6.22E-06	1.19E-05	5.64E-07	5.03E-06	9.34E-06
2,408	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.10E-07	4.56E-06	8.60E-06	5.67E-07	5.07E-06	9.45E-06	6.87E-07	5.83E-06	1.10E-05	7.29E-07	6.22E-06	1.19E-05	5.63E-07	5.03E-06	9.34E-06
2,409	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.10E-07	4.56E-06	8.60E-06	5.66E-07	5.07E-06	9.45E-06	6.87E-07	5.82E-06	1.10E-05	7.29E-07	6.22E-06	1.19E-05	5.63E-07	5.03E-06	9.34E-06
2,410	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.10E-07	4.56E-06	8.60E-06	5.66E-07	5.07E-06	9.45E-06	6.86E-07	5.82E-06	1.10E-05	7.29E-07	6.22E-06	1.19E-05	5.62E-07	5.03E-06	9.33E-06
2,411	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.09E-07	4.56E-06	8.60E-06	5.65E-07	5.07E-06	9.44E-06	6.86E-07	5.82E-06	1.10E-05	7.29E-07	6.22E-06	1.19E-05	5.62E-07	5.03E-06	9.33E-06
2,412	1.47E-06	1.29E-05	2.41E-05	1.34E-06	1.15E-05	2.17E-05	5.09E-07	4.56E-06	8.59E-06	5.65E-07	5.07E-06	9.44E-06	6.86E-07	5.82E-06	1.10E-05	7.28E-07	6.21E-06	1.19E-05	5.62E-07	5.02E-06	9.33E-06
2,413	1.47E-06	1.29E-05	2.41E-05	1.33E-06	1.15E-05	2.17E-05	5.09E-07	4.55E-06	8.59E-06	5.65E-07	5.07E-06	9.43E-06	6.86E-07	5.82E-06	1.10E-05	7.28E-07	6.21E-06	1.19E-05	5.61E-07	5.02E-06	9.32E-06
2,414	1.46E-06	1.29E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.09E-07	4.55E-06	8.59E-06	5.65E-07	5.06E-06	9.43E-06	6.85E-07	5.82E-06	1.10E-05	7.28E-07	6.21E-06	1.19E-05	5.61E-07	5.02E-06	9.32E-06
2,415	1.46E-06	1.29E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.58E-06	5.65E-07	5.06E-06	9.42E-06	6.84E-07	5.82E-06	1.09E-05	7.28E-07	6.21E-06	1.18E-05	5.61E-07	5.02E-06	9.32E-06
2,416	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.58E-06	5.65E-07	5.06E-06	9.42E-06	6.84E-07	5.81E-06	1.09E-05	7.28E-07	6.20E-06	1.18E-05	5.61E-07	5.02E-06	9.32E-06
2,417	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.58E-06	5.64E-07	5.06E-06	9.42E-06	6.84E-07	5.81E-06	1.09E-05	7.28E-07	6.20E-06	1.18E-05	5.61E-07	5.01E-06	9.32E-06
2,418	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.58E-06	5.64E-07	5.06E-06	9.41E-06	6.83E-07	5.81E-06	1.09E-05	7.27E-07	6.20E-06	1.18E-05	5.61E-07	5.01E-06	9.31E-06
2,419	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.56E-06	5.64E-07	5.06E-06	9.40E-06	6.83E-07	5.81E-06	1.09E-05	7.27E-07	6.20E-06	1.18E-05	5.61E-07	5.01E-06	9.30E-06
2,420	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.17E-05	5.08E-07	4.55E-06	8.56E-06	5.64E-07	5.06E-06	9.40E-06	6.82E-07	5.81E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.61E-07	5.01E-06	9.30E-06
2,421	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.16E-05	5.08E-07	4.54E-06	8.56E-06	5.64E-07	5.05E-06	9.39E-06	6.82E-07	5.81E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.61E-07	5.01E-06	9.29E-06
2,422	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.16E-05	5.07E-07	4.54E-06	8.56E-06	5.64E-07	5.05E-06	9.39E-06	6.81E-07	5.80E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.60E-07	5.01E-06	9.29E-06
2,423	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.16E-05	5.07E-07	4.54E-06	8.55E-06	5.64E-07	5.05E-06	9.38E-06	6.80E-07	5.80E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.60E-07	5.00E-06	9.29E-06
2,424	1.46E-06	1.28E-05	2.40E-05	1.33E-06	1.15E-05	2.16E-05	5.06E-07	4.54E-06	8.54E-06	5.63E-07	5.05E-06	9.38E-06	6.80E-07	5.80E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.60E-07	5.00E-06	9.28E-06
2,425	1.46E-06	1.28E-05	2.39E-05	1.33E-06	1.15E-05	2.16E-05	5.06E-07	4.54E-06	8.54E-06	5.63E-07	5.05E-06	9.38E-06	6.80E-07	5.80E-06	1.09E-05	7.26E-07	6.19E-06	1.18E-05	5.60E-07	5.00E-06	9.27E-06
2,426	1.46E-06	1.28E-05	2.39E-05	1.33E-06	1.14E-05	2.16E-05	5.06E-07	4.54E-06	8.54E-06	5.63E-07	5.05E-06	9.38E-06	6.80E-07	5.80E-06	1.09E-05	7.25E-07	6.19E-06	1.18E-05	5.60E-07	5.00E-06	9.27E-06
2,427	1.46E-06	1.28E-05	2.39E-05	1.33E-06	1.14E-05	2.16E-05	5.06E-07	4.54E-06	8.53E-06	5.63E-07	5.04E-06	9.38E-06	6.80E-07	5.80E-06	1.09E-05	7.25E-07	6.19E-06	1.18E-05	5.60E-07	5.00E-06	9.27E-06
2,428	1.45E-06	1.28E-05	2.39E-05	1.33E-06	1.14E-05	2.16E-05	5.06E-07	4.53E-06	8.53E-06	5.63E-07	5.04E-06	9.38E-06	6.79E-07	5.79E-06	1.09E-05	7.25E-07	6.18E-06	1.18E-05	5.59E-07	5.00E-06	9.26E-06
2,429	1.45E-06	1.28E-05	2.39E-05	1.33E-06	1.14E-05	2.16E-05	5.06E-07	4.53E-06	8.53E-06	5.63E-07	5.03E-06	9.38E-06	6.79E-07	5.79E-06	1.09E-05	7.25E-07	6.18E-06	1.18E-05	5.59E-07	5.00E-06	9.25E-06
2,430	1.45E-06	1.27E-05	2.39E-05	1.33E-06	1.14E-05	2.15E-05	5.06E-07	4.53E-06	8.52E-06	5.63E-07	5.03E-06	9.37E-06	6.79E-07	5.79E-06	1.09E-05	7.25E-07	6.18E-06	1.18E-05	5.59E-07	4.99E-06	9.25E-06
2,431	1.45E-06	1.27E-05	2.39E-05	1.33E-06	1.14E-05	2.15E-05	5.05E-07	4.53E-06	8.52E-06	5.62E-07	5.03E-06	9.37E-06	6.79E-07	5.78E-06	1.09E-05	7.25E-07	6.17E-06	1.18E-05	5.58E-07	4.99E-06	9.25E-06
2,432	1.45E-06	1.27E-05	2.39E-05	1.33E-06	1.14E-05	2.15E-05	5.05E-07	4.52E-06	8.51E-06	5.62E-07	5.03E-06	9.37E-06	6.79E-07	5.77E-06	1.09E-05	7.25E-07	6.17E-06	1.18E-05	5.58E-07	4.98E-06	9.25E-06
2,433	1.45E-06	1.27E-05	2.39E-05	1.33E-06	1.14E-05	2.15E-05	5.05E-07	4.52E-06	8.51E-06	5.62E-07	5.03E-06	9.37E-06	6.79E-07	5.77E-06	1.09E-05	7.24E-07	6.17E-06	1.18E-05	5.58E-07	4.98E-06	9.23E-06
2,434	1.45E-06	1.27E-05	2.39E-05	1.33E-06	1.14E-05	2.15E-05	5.05E-07	4.52E-06	8.51E-06	5.62E-07	5.03E-06	9.36E-06	6.79E-07	5.77E-06	1.09E-05	7.24E-07	6.17E-06	1.18E-05	5.57E-07	4.98E-06	9.23E-06
2,435	1.45E-06	1.27E-05	2.39E-05	1.32E-06	1.14E-05	2.15E-05	5.05E-07	4.51E-06	8.51E-06	5.62E-07	5.03E-06	9.35E-06	6.79E-07	5.77E-06	1.09E-05	7.24E-07	6.17E-06	1.18E-05	5.57E-07	4.98E-06	9.23E-06
2,436	1.45E-06	1.27E-05	2.38E-05	1.32E-06	1.14E-05	2.15E-05	5.05E-07	4.51E-06	8.50E-06	5.62E-07	5.03E-06	9.34E-06	6.79E-07	5.76E-06	1.09E-05	7.24E-07	6.17E-06	1.18E-05	5.57E-07	4.97E-06	9.23E-06
2,437	1.45E-06	1.27E-05	2.38E-05	1.32E-06	1.14E-05	2.15E-05	5.05E-07	4.51E-06	8.50E-06	5.62E-07	5.03E-06	9.34E-06	6.79E-07	5.75E-06	1.09E-05	7.23E-07	6.17E-06	1.18E-05	5.57E-07	4.97E-06	9.23E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,458	1.43E-06	1.26E-05	2.36E-05	1.31E-06	1.13E-05	2.13E-05	5.01E-07	4.47E-06	8.44E-06	5.56E-07	4.98E-06	9.28E-06	6.75E-07	5.71E-06	1.08E-05	7.19E-07	6.13E-06	1.17E-05	5.52E-07	4.92E-06	9.17E-06
2,459	1.43E-06	1.26E-05	2.36E-05	1.31E-06	1.13E-05	2.13E-05	5.01E-07	4.47E-06	8.44E-06	5.55E-07	4.98E-06	9.28E-06	6.74E-07	5.70E-06	1.08E-05	7.19E-07	6.12E-06	1.17E-05	5.52E-07	4.92E-06	9.15E-06
2,460	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.13E-05	2.13E-05	5.01E-07	4.47E-06	8.44E-06	5.55E-07	4.98E-06	9.28E-06	6.74E-07	5.70E-06	1.08E-05	7.18E-07	6.11E-06	1.17E-05	5.52E-07	4.92E-06	9.14E-06
2,461	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.13E-05	2.13E-05	5.01E-07	4.47E-06	8.43E-06	5.55E-07	4.98E-06	9.28E-06	6.74E-07	5.70E-06	1.08E-05	7.18E-07	6.11E-06	1.17E-05	5.52E-07	4.92E-06	9.14E-06
2,462	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.13E-05	2.13E-05	4.99E-07	4.47E-06	8.43E-06	5.54E-07	4.98E-06	9.28E-06	6.73E-07	5.69E-06	1.08E-05	7.18E-07	6.11E-06	1.17E-05	5.51E-07	4.91E-06	9.14E-06
2,463	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.13E-05	2.13E-05	4.99E-07	4.47E-06	8.43E-06	5.54E-07	4.98E-06	9.27E-06	6.73E-07	5.69E-06	1.08E-05	7.17E-07	6.10E-06	1.17E-05	5.51E-07	4.91E-06	9.14E-06
2,464	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.99E-07	4.47E-06	8.43E-06	5.54E-07	4.98E-06	9.27E-06	6.73E-07	5.69E-06	1.08E-05	7.17E-07	6.10E-06	1.16E-05	5.51E-07	4.91E-06	9.14E-06
2,465	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.99E-07	4.47E-06	8.42E-06	5.53E-07	4.97E-06	9.27E-06	6.73E-07	5.69E-06	1.08E-05	7.17E-07	6.10E-06	1.16E-05	5.51E-07	4.91E-06	9.13E-06
2,466	1.43E-06	1.26E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.99E-07	4.47E-06	8.42E-06	5.53E-07	4.97E-06	9.27E-06	6.72E-07	5.69E-06	1.08E-05	7.17E-07	6.10E-06	1.16E-05	5.51E-07	4.91E-06	9.13E-06
2,467	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.46E-06	8.42E-06	5.53E-07	4.97E-06	9.26E-06	6.72E-07	5.68E-06	1.07E-05	7.16E-07	6.10E-06	1.16E-05	5.50E-07	4.90E-06	9.13E-06
2,468	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.46E-06	8.42E-06	5.53E-07	4.97E-06	9.26E-06	6.72E-07	5.68E-06	1.07E-05	7.16E-07	6.10E-06	1.16E-05	5.50E-07	4.90E-06	9.12E-06
2,469	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.46E-06	8.42E-06	5.52E-07	4.97E-06	9.26E-06	6.72E-07	5.68E-06	1.07E-05	7.16E-07	6.10E-06	1.16E-05	5.50E-07	4.90E-06	9.11E-06
2,470	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.45E-06	8.41E-06	5.52E-07	4.97E-06	9.25E-06	6.71E-07	5.68E-06	1.07E-05	7.16E-07	6.09E-06	1.16E-05	5.50E-07	4.90E-06	9.11E-06
2,471	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.45E-06	8.41E-06	5.52E-07	4.97E-06	9.25E-06	6.70E-07	5.67E-06	1.07E-05	7.15E-07	6.09E-06	1.16E-05	5.50E-07	4.89E-06	9.10E-06
2,472	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.13E-05	4.98E-07	4.45E-06	8.41E-06	5.52E-07	4.97E-06	9.24E-06	6.70E-07	5.67E-06	1.07E-05	7.15E-07	6.09E-06	1.16E-05	5.49E-07	4.89E-06	9.10E-06
2,473	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.12E-05	4.98E-07	4.45E-06	8.41E-06	5.51E-07	4.96E-06	9.24E-06	6.69E-07	5.67E-06	1.07E-05	7.14E-07	6.09E-06	1.16E-05	5.49E-07	4.89E-06	9.10E-06
2,474	1.43E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.12E-05	4.98E-07	4.45E-06	8.41E-06	5.51E-07	4.96E-06	9.23E-06	6.69E-07	5.67E-06	1.07E-05	7.14E-07	6.09E-06	1.16E-05	5.49E-07	4.89E-06	9.10E-06
2,475	1.42E-06	1.25E-05	2.35E-05	1.31E-06	1.12E-05	2.12E-05	4.98E-07	4.44E-06	8.40E-06	5.51E-07	4.96E-06	9.23E-06	6.69E-07	5.67E-06	1.07E-05	7.13E-07	6.09E-06	1.16E-05	5.49E-07	4.89E-06	9.09E-06
2,476	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.98E-07	4.44E-06	8.40E-06	5.51E-07	4.96E-06	9.23E-06	6.68E-07	5.67E-06	1.07E-05	7.13E-07	6.08E-06	1.16E-05	5.48E-07	4.88E-06	9.09E-06
2,477	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.98E-07	4.43E-06	8.40E-06	5.51E-07	4.96E-06	9.22E-06	6.68E-07	5.67E-06	1.07E-05	7.13E-07	6.08E-06	1.16E-05	5.48E-07	4.88E-06	9.09E-06
2,478	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.97E-07	4.43E-06	8.39E-06	5.51E-07	4.96E-06	9.22E-06	6.68E-07	5.66E-06	1.07E-05	7.12E-07	6.08E-06	1.16E-05	5.48E-07	4.88E-06	9.08E-06
2,479	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.97E-07	4.42E-06	8.39E-06	5.51E-07	4.95E-06	9.22E-06	6.67E-07	5.65E-06	1.07E-05	7.12E-07	6.08E-06	1.16E-05	5.48E-07	4.88E-06	9.08E-06
2,480	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.97E-07	4.42E-06	8.39E-06	5.50E-07	4.95E-06	9.22E-06	6.67E-07	5.65E-06	1.07E-05	7.12E-07	6.08E-06	1.16E-05	5.48E-07	4.88E-06	9.08E-06
2,481	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.12E-05	2.12E-05	4.96E-07	4.42E-06	8.38E-06	5.50E-07	4.95E-06	9.22E-06	6.67E-07	5.64E-06	1.07E-05	7.11E-07	6.08E-06	1.16E-05	5.47E-07	4.88E-06	9.07E-06
2,482	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.11E-05	2.12E-05	4.96E-07	4.42E-06	8.38E-06	5.50E-07	4.95E-06	9.22E-06	6.67E-07	5.64E-06	1.07E-05	7.11E-07	6.08E-06	1.16E-05	5.47E-07	4.87E-06	9.07E-06
2,483	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.11E-05	2.12E-05	4.96E-07	4.41E-06	8.38E-06	5.50E-07	4.94E-06	9.21E-06	6.67E-07	5.64E-06	1.07E-05	7.11E-07	6.07E-06	1.16E-05	5.47E-07	4.87E-06	9.07E-06
2,484	1.42E-06	1.25E-05	2.34E-05	1.30E-06	1.11E-05	2.12E-05	4.96E-07	4.41E-06	8.38E-06	5.50E-07	4.94E-06	9.21E-06	6.67E-07	5.64E-06	1.07E-05	7.11E-07	6.07E-06	1.16E-05	5.47E-07	4.87E-06	9.07E-06
2,485	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.38E-06	5.49E-07	4.94E-06	9.21E-06	6.67E-07	5.64E-06	1.07E-05	7.10E-07	6.06E-06	1.16E-05	5.47E-07	4.87E-06	9.06E-06
2,486	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.38E-06	5.49E-07	4.93E-06	9.20E-06	6.66E-07	5.64E-06	1.07E-05	7.10E-07	6.06E-06	1.16E-05	5.46E-07	4.87E-06	9.06E-06
2,487	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.37E-06	5.49E-07	4.93E-06	9.19E-06	6.66E-07	5.64E-06	1.07E-05	7.10E-07	6.06E-06	1.15E-05	5.46E-07	4.86E-06	9.06E-06
2,488	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.37E-06	5.49E-07	4.93E-06	9.19E-06	6.66E-07	5.64E-06	1.07E-05	7.10E-07	6.06E-06	1.15E-05	5.46E-07	4.86E-06	9.05E-06
2,489	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.37E-06	5.49E-07	4.93E-06	9.18E-06	6.65E-07	5.64E-06	1.07E-05	7.10E-07	6.05E-06	1.15E-05	5.46E-07	4.86E-06	9.05E-06
2,490	1.42E-06	1.24E-05	2.34E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.37E-06	5.49E-07	4.92E-06	9.18E-06	6.65E-07	5.64E-06	1.07E-05	7.10E-07	6.05E-06	1.15E-05	5.46E-07	4.86E-06	9.05E-06
2,491	1.42E-06	1.24E-05	2.33E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.37E-06	5.49E-07	4.92E-06	9.18E-06	6.64E-07	5.64E-06	1.07E-05	7.10E-07	6.05E-06	1.15E-05	5.46E-07	4.86E-06	9.04E-06
2,492	1.42E-06	1.24E-05	2.33E-05	1.30E-06	1.11E-05	2.11E-05	4.95E-07	4.41E-06	8.36E-06	5.49E-07	4.92E-06	9.17E-06	6.63E-07	5.64E-06	1.07E-05	7.08E-07	6.04E-06	1.15E-05	5.46E-07	4.86E-06	9.04E-06
2,493	1.42E-06	1.24E-05	2.33E-05	1.30E-06	1.11E-05	2.10E-05	4.95E-07	4.41E-06	8.36E-06	5.49E-07	4.92E-06	9.17E-06	6.62E-07	5.63E-06	1.07E-05	7.08E-07	6.04E-06	1.15E-05	5.45E-07	4.85E-06	9.03E-06
2,494	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.95E-07	4.40E-06	8.36E-06	5.48E-07	4.92E-06	9.17E-06	6.62E-07	5.63E-06	1.07E-05	7.08E-07	6.04E-06	1.15E-05	5.45E-07	4.85E-06	9.02E-06
2,495	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.95E-07	4.40E-06	8.35E-06	5.48E-07	4.91E-06	9.16E-06	6.62E-07	5.63E-06	1.07E-05	7.08E-07	6.04E-06	1.15E-05	5.45E-07	4.85E-06	9.02E-06
2,496	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.95E-07	4.40E-06	8.35E-06	5.48E-07	4.91E-06	9.16E-06	6.62E-07	5.63E-06	1.07E-05	7.08E-07	6.04E-06	1.15E-05	5.45E-07	4.85E-06	9.02E-06
2,497	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.95E-07	4.40E-06	8.34E-06	5.48E-07	4.91E-06	9.16E-06	6.61E-07	5.62E-06	1.07E-05	7.07E-07	6.03E-06	1.15E-05	5.45E-07	4.85E-06	9.01E-06
2,498	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.95E-07	4.40E-06	8.34E-06	5.48E-07	4.90E-06	9.15E-06	6.61E-07	5.62E-06	1.07E-05	7.07E-07	6.03E-06	1.15E-05	5.45E-07	4.85E-06	9.01E-06
2,499	1.41E-06	1.24E-05	2.33E-05	1.29E-06	1.11E-05	2.10E-05	4.94E-07	4.40E-06	8.34E-06	5.47E-07	4.90E-06	9.15E-06	6.61E-07	5.62E-06	1.07E-05	7.07E-07	6.03E-06	1.15E-05	5.44E-07	4.84E-06	9.01E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,520	1.40E-06	1.23E-05	2.31E-05	1.28E-06	1.10E-05	2.08E-05	4.91E-07	4.35E-06	8.27E-06	5.43E-07	4.87E-06	9.08E-06	6.55E-07	5.56E-06	1.06E-05	7.02E-07	5.98E-06	1.14E-05	5.40E-07	4.81E-06	8.95E-06
2,521	1.40E-06	1.23E-05	2.31E-05	1.28E-06	1.10E-05	2.08E-05	4.90E-07	4.35E-06	8.27E-06	5.43E-07	4.87E-06	9.08E-06	6.54E-07	5.56E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.40E-07	4.81E-06	8.95E-06
2,522	1.40E-06	1.23E-05	2.30E-05	1.28E-06	1.10E-05	2.08E-05	4.90E-07	4.35E-06	8.26E-06	5.43E-07	4.86E-06	9.08E-06	6.54E-07	5.56E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.40E-07	4.80E-06	8.94E-06
2,523	1.40E-06	1.23E-05	2.30E-05	1.28E-06	1.10E-05	2.08E-05	4.90E-07	4.35E-06	8.26E-06	5.43E-07	4.86E-06	9.08E-06	6.53E-07	5.55E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.40E-07	4.80E-06	8.94E-06
2,524	1.40E-06	1.23E-05	2.30E-05	1.28E-06	1.10E-05	2.08E-05	4.90E-07	4.35E-06	8.26E-06	5.43E-07	4.86E-06	9.08E-06	6.53E-07	5.55E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.40E-07	4.79E-06	8.94E-06
2,525	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.10E-05	2.08E-05	4.89E-07	4.35E-06	8.26E-06	5.43E-07	4.86E-06	9.07E-06	6.53E-07	5.55E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.39E-07	4.79E-06	8.94E-06
2,526	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.10E-05	2.08E-05	4.89E-07	4.35E-06	8.26E-06	5.42E-07	4.86E-06	9.07E-06	6.52E-07	5.55E-06	1.06E-05	7.01E-07	5.97E-06	1.14E-05	5.39E-07	4.79E-06	8.94E-06
2,527	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.10E-05	2.08E-05	4.89E-07	4.35E-06	8.26E-06	5.42E-07	4.86E-06	9.07E-06	6.52E-07	5.54E-06	1.06E-05	7.00E-07	5.97E-06	1.14E-05	5.39E-07	4.79E-06	8.94E-06
2,528	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.09E-05	2.08E-05	4.89E-07	4.34E-06	8.26E-06	5.42E-07	4.86E-06	9.07E-06	6.52E-07	5.54E-06	1.06E-05	6.99E-07	5.96E-06	1.14E-05	5.39E-07	4.79E-06	8.93E-06
2,529	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.34E-06	8.25E-06	5.42E-07	4.86E-06	9.06E-06	6.51E-07	5.54E-06	1.06E-05	6.99E-07	5.96E-06	1.14E-05	5.38E-07	4.79E-06	8.93E-06
2,530	1.40E-06	1.22E-05	2.30E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.33E-06	8.25E-06	5.42E-07	4.86E-06	9.04E-06	6.51E-07	5.54E-06	1.06E-05	6.99E-07	5.95E-06	1.14E-05	5.38E-07	4.79E-06	8.93E-06
2,531	1.40E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.33E-06	8.25E-06	5.41E-07	4.86E-06	9.04E-06	6.51E-07	5.54E-06	1.06E-05	6.99E-07	5.95E-06	1.14E-05	5.38E-07	4.79E-06	8.93E-06
2,532	1.40E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.33E-06	8.25E-06	5.41E-07	4.85E-06	9.04E-06	6.51E-07	5.53E-06	1.06E-05	6.98E-07	5.95E-06	1.14E-05	5.38E-07	4.78E-06	8.92E-06
2,533	1.40E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.33E-06	8.25E-06	5.41E-07	4.85E-06	9.04E-06	6.50E-07	5.53E-06	1.06E-05	6.98E-07	5.95E-06	1.14E-05	5.37E-07	4.78E-06	8.92E-06
2,534	1.39E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.32E-06	8.24E-06	5.40E-07	4.85E-06	9.03E-06	6.50E-07	5.52E-06	1.06E-05	6.98E-07	5.95E-06	1.14E-05	5.37E-07	4.77E-06	8.92E-06
2,535	1.39E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.88E-07	4.32E-06	8.24E-06	5.40E-07	4.85E-06	9.03E-06	6.49E-07	5.52E-06	1.06E-05	6.98E-07	5.95E-06	1.14E-05	5.36E-07	4.77E-06	8.91E-06
2,536	1.39E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.87E-07	4.32E-06	8.23E-06	5.40E-07	4.85E-06	9.03E-06	6.49E-07	5.52E-06	1.05E-05	6.97E-07	5.94E-06	1.14E-05	5.36E-07	4.77E-06	8.90E-06
2,537	1.39E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.87E-07	4.32E-06	8.23E-06	5.39E-07	4.85E-06	9.02E-06	6.49E-07	5.52E-06	1.05E-05	6.97E-07	5.94E-06	1.14E-05	5.36E-07	4.77E-06	8.90E-06
2,538	1.39E-06	1.22E-05	2.29E-05	1.27E-06	1.09E-05	2.07E-05	4.87E-07	4.32E-06	8.23E-06	5.39E-07	4.84E-06	9.02E-06	6.49E-07	5.52E-06	1.05E-05	6.96E-07	5.94E-06	1.14E-05	5.35E-07	4.77E-06	8.90E-06
2,539	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.09E-05	2.07E-05	4.87E-07	4.32E-06	8.22E-06	5.39E-07	4.84E-06	9.02E-06	6.48E-07	5.52E-06	1.05E-05	6.96E-07	5.94E-06	1.14E-05	5.35E-07	4.76E-06	8.90E-06
2,540	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.09E-05	2.06E-05	4.87E-07	4.32E-06	8.22E-06	5.39E-07	4.83E-06	9.02E-06	6.48E-07	5.52E-06	1.05E-05	6.95E-07	5.93E-06	1.14E-05	5.35E-07	4.76E-06	8.90E-06
2,541	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.86E-07	4.31E-06	8.22E-06	5.38E-07	4.83E-06	9.01E-06	6.47E-07	5.51E-06	1.05E-05	6.95E-07	5.93E-06	1.14E-05	5.35E-07	4.76E-06	8.89E-06
2,542	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.86E-07	4.31E-06	8.21E-06	5.38E-07	4.83E-06	9.01E-06	6.47E-07	5.51E-06	1.05E-05	6.95E-07	5.93E-06	1.14E-05	5.34E-07	4.76E-06	8.89E-06
2,543	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.86E-07	4.31E-06	8.20E-06	5.38E-07	4.83E-06	9.01E-06	6.47E-07	5.51E-06	1.05E-05	6.94E-07	5.93E-06	1.14E-05	5.34E-07	4.76E-06	8.89E-06
2,544	1.39E-06	1.22E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.86E-07	4.31E-06	8.20E-06	5.38E-07	4.82E-06	9.00E-06	6.47E-07	5.51E-06	1.05E-05	6.94E-07	5.93E-06	1.14E-05	5.33E-07	4.76E-06	8.89E-06
2,545	1.39E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.86E-07	4.31E-06	8.20E-06	5.37E-07	4.82E-06	8.99E-06	6.47E-07	5.51E-06	1.05E-05	6.94E-07	5.93E-06	1.14E-05	5.33E-07	4.76E-06	8.88E-06
2,546	1.39E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.85E-07	4.31E-06	8.20E-06	5.37E-07	4.80E-06	8.99E-06	6.46E-07	5.51E-06	1.05E-05	6.94E-07	5.93E-06	1.14E-05	5.33E-07	4.75E-06	8.87E-06
2,547	1.39E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.06E-05	4.85E-07	4.31E-06	8.20E-06	5.37E-07	4.80E-06	8.99E-06	6.46E-07	5.51E-06	1.05E-05	6.94E-07	5.92E-06	1.14E-05	5.33E-07	4.75E-06	8.87E-06
2,548	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.85E-07	4.31E-06	8.19E-06	5.37E-07	4.80E-06	8.99E-06	6.46E-07	5.51E-06	1.05E-05	6.94E-07	5.92E-06	1.14E-05	5.33E-07	4.75E-06	8.87E-06
2,549	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.84E-07	4.31E-06	8.19E-06	5.37E-07	4.80E-06	8.99E-06	6.46E-07	5.50E-06	1.05E-05	6.94E-07	5.92E-06	1.14E-05	5.32E-07	4.75E-06	8.87E-06
2,550	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.84E-07	4.30E-06	8.18E-06	5.37E-07	4.80E-06	8.97E-06	6.46E-07	5.50E-06	1.05E-05	6.93E-07	5.91E-06	1.13E-05	5.32E-07	4.75E-06	8.86E-06
2,551	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.84E-07	4.30E-06	8.18E-06	5.36E-07	4.80E-06	8.97E-06	6.45E-07	5.50E-06	1.05E-05	6.93E-07	5.91E-06	1.13E-05	5.31E-07	4.75E-06	8.86E-06
2,552	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.83E-07	4.30E-06	8.18E-06	5.36E-07	4.79E-06	8.96E-06	6.45E-07	5.49E-06	1.05E-05	6.92E-07	5.91E-06	1.13E-05	5.31E-07	4.75E-06	8.86E-06
2,553	1.38E-06	1.21E-05	2.29E-05	1.26E-06	1.08E-05	2.05E-05	4.83E-07	4.30E-06	8.17E-06	5.36E-07	4.79E-06	8.96E-06	6.45E-07	5.49E-06	1.05E-05	6.92E-07	5.91E-06	1.13E-05	5.30E-07	4.75E-06	8.85E-06
2,554	1.38E-06	1.21E-05	2.28E-05	1.26E-06	1.08E-05	2.05E-05	4.83E-07	4.29E-06	8.17E-06	5.36E-07	4.79E-06	8.96E-06	6.45E-07	5.49E-06	1.05E-05	6.91E-07	5.91E-06	1.13E-05	5.30E-07	4.74E-06	8.85E-06
2,555	1.38E-06	1.21E-05	2.28E-05	1.26E-06	1.08E-05	2.05E-05	4.83E-07	4.29E-06	8.16E-06	5.36E-07	4.79E-06	8.96E-06	6.45E-07	5.49E-06	1.05E-05	6.90E-07	5.90E-06	1.13E-05	5.30E-07	4.74E-06	8.85E-06
2,556	1.38E-06	1.21E-05	2.28E-05	1.26E-06	1.08E-05	2.05E-05	4.83E-07	4.29E-06	8.16E-06	5.36E-07	4.79E-06	8.96E-06	6.44E-07	5.49E-06	1.05E-05	6.90E-07	5.90E-06	1.13E-05	5.30E-07	4.74E-06	8.85E-06
2,557	1.38E-06	1.21E-05	2.28E-05	1.26E-06	1.08E-05	2.04E-05	4.83E-07	4.29E-06	8.15E-06	5.35E-07	4.79E-06	8.95E-06	6.44E-07	5.48E-06	1.05E-05	6.90E-07	5.90E-06	1.13E-05	5.30E-07	4.74E-06	8.85E-06
2,558	1.38E-06	1.21E-05	2.28E-05	1.26E-06	1.08E-05	2.04E-05	4.83E-07	4.29E-06	8.15E-06	5.35E-07	4.78E-06	8.95E-06	6.44E-07	5.47E-06	1.05E-05	6.89E-07	5.90E-06	1.13E-05	5.30E-07	4.74E-06	8.84E-06
2,559	1.38E-06	1.21E-05	2.28E-05	1.25E-06	1.08E-05	2.04E-05	4.83E-07	4.29E-06	8.15E-06	5.34E-07	4.78E-06	8.95E-06	6.43E-07	5.47E-06	1.05E-05	6.89E-07	5.90E-06	1.13E-05	5.29E-07	4.74E-06	8.84E-06
2,560	1.38E-06	1.21E-05	2.28E-05	1.25E-06	1.08E-05	2.04E-05	4.83E-07	4.29E-06	8.15E-06	5.34E-07	4.78E-06	8.95E-06	6.43E-07	5.47E-06	1.05E-05	6.89E-07	5.90E-06	1.13E-05	5.29E-07	4.73E-06	8.84E-06
2,561	1.38E-06	1.21E-05	2.28E-05	1.25E-06	1.08E-05	2.04E-05	4.83E-07	4.29E-06	8.14E-06	5.34E-07	4.78E-06	8.95E-06	6.43E-07	5.46E-06	1.05E-05	6.88E-07	5.90E-06	1.13E-05	5.29E-07	4.73E-06	8.84E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,582	1.37E-06	1.20E-05	2.26E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.07E-06	5.30E-07	4.74E-06	8.87E-06	6.39E-07	5.43E-06	1.04E-05	6.83E-07	5.84E-06	1.13E-05	5.26E-07	4.70E-06	8.77E-06
2,583	1.37E-06	1.20E-05	2.26E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.07E-06	5.30E-07	4.74E-06	8.86E-06	6.39E-07	5.43E-06	1.04E-05	6.82E-07	5.84E-06	1.12E-05	5.26E-07	4.70E-06	8.76E-06
2,584	1.37E-06	1.20E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.07E-06	5.29E-07	4.74E-06	8.86E-06	6.38E-07	5.43E-06	1.04E-05	6.82E-07	5.83E-06	1.12E-05	5.26E-07	4.69E-06	8.76E-06
2,585	1.37E-06	1.20E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.06E-06	5.29E-07	4.74E-06	8.85E-06	6.38E-07	5.43E-06	1.04E-05	6.82E-07	5.82E-06	1.12E-05	5.25E-07	4.69E-06	8.76E-06
2,586	1.37E-06	1.20E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.06E-06	5.29E-07	4.74E-06	8.85E-06	6.38E-07	5.43E-06	1.04E-05	6.82E-07	5.82E-06	1.12E-05	5.25E-07	4.69E-06	8.76E-06
2,587	1.36E-06	1.20E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.78E-07	4.24E-06	8.05E-06	5.29E-07	4.73E-06	8.85E-06	6.38E-07	5.42E-06	1.04E-05	6.82E-07	5.82E-06	1.12E-05	5.25E-07	4.69E-06	8.75E-06
2,588	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.77E-07	4.24E-06	8.05E-06	5.29E-07	4.73E-06	8.85E-06	6.38E-07	5.42E-06	1.03E-05	6.82E-07	5.81E-06	1.12E-05	5.25E-07	4.69E-06	8.75E-06
2,589	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.77E-07	4.24E-06	8.05E-06	5.29E-07	4.73E-06	8.85E-06	6.37E-07	5.42E-06	1.03E-05	6.81E-07	5.81E-06	1.12E-05	5.25E-07	4.69E-06	8.75E-06
2,590	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.77E-07	4.24E-06	8.05E-06	5.29E-07	4.73E-06	8.84E-06	6.37E-07	5.42E-06	1.03E-05	6.81E-07	5.81E-06	1.12E-05	5.25E-07	4.69E-06	8.75E-06
2,591	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.07E-05	2.02E-05	4.77E-07	4.24E-06	8.04E-06	5.28E-07	4.73E-06	8.84E-06	6.37E-07	5.42E-06	1.03E-05	6.81E-07	5.81E-06	1.12E-05	5.25E-07	4.68E-06	8.75E-06
2,592	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.06E-05	2.02E-05	4.77E-07	4.23E-06	8.04E-06	5.28E-07	4.72E-06	8.84E-06	6.37E-07	5.41E-06	1.03E-05	6.81E-07	5.80E-06	1.12E-05	5.24E-07	4.68E-06	8.73E-06
2,593	1.36E-06	1.19E-05	2.25E-05	1.24E-06	1.06E-05	2.02E-05	4.76E-07	4.23E-06	8.04E-06	5.27E-07	4.72E-06	8.84E-06	6.37E-07	5.41E-06	1.03E-05	6.81E-07	5.80E-06	1.12E-05	5.24E-07	4.68E-06	8.73E-06
2,594	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.02E-05	4.76E-07	4.23E-06	8.04E-06	5.27E-07	4.72E-06	8.84E-06	6.37E-07	5.40E-06	1.03E-05	6.80E-07	5.80E-06	1.12E-05	5.24E-07	4.68E-06	8.73E-06
2,595	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.76E-07	4.23E-06	8.04E-06	5.27E-07	4.71E-06	8.83E-06	6.36E-07	5.40E-06	1.03E-05	6.80E-07	5.80E-06	1.12E-05	5.24E-07	4.68E-06	8.73E-06
2,596	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.76E-07	4.23E-06	8.04E-06	5.27E-07	4.71E-06	8.83E-06	6.36E-07	5.40E-06	1.03E-05	6.80E-07	5.79E-06	1.12E-05	5.23E-07	4.68E-06	8.72E-06
2,597	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.76E-07	4.23E-06	8.04E-06	5.27E-07	4.71E-06	8.82E-06	6.36E-07	5.40E-06	1.03E-05	6.80E-07	5.79E-06	1.12E-05	5.23E-07	4.68E-06	8.71E-06
2,598	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.75E-07	4.23E-06	8.03E-06	5.27E-07	4.71E-06	8.82E-06	6.36E-07	5.39E-06	1.03E-05	6.80E-07	5.79E-06	1.12E-05	5.23E-07	4.68E-06	8.71E-06
2,599	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.75E-07	4.23E-06	8.03E-06	5.27E-07	4.71E-06	8.82E-06	6.35E-07	5.39E-06	1.03E-05	6.80E-07	5.78E-06	1.12E-05	5.23E-07	4.68E-06	8.71E-06
2,600	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.75E-07	4.23E-06	8.03E-06	5.27E-07	4.70E-06	8.82E-06	6.35E-07	5.39E-06	1.03E-05	6.80E-07	5.78E-06	1.12E-05	5.23E-07	4.68E-06	8.70E-06
2,601	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.75E-07	4.23E-06	8.03E-06	5.26E-07	4.70E-06	8.81E-06	6.35E-07	5.39E-06	1.03E-05	6.79E-07	5.78E-06	1.12E-05	5.23E-07	4.67E-06	8.70E-06
2,602	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.74E-07	4.22E-06	8.02E-06	5.26E-07	4.70E-06	8.80E-06	6.35E-07	5.38E-06	1.03E-05	6.79E-07	5.78E-06	1.12E-05	5.22E-07	4.67E-06	8.70E-06
2,603	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.01E-05	4.74E-07	4.22E-06	8.02E-06	5.26E-07	4.69E-06	8.80E-06	6.35E-07	5.38E-06	1.03E-05	6.79E-07	5.78E-06	1.12E-05	5.22E-07	4.67E-06	8.70E-06
2,604	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.00E-05	4.74E-07	4.22E-06	8.02E-06	5.26E-07	4.69E-06	8.80E-06	6.35E-07	5.38E-06	1.03E-05	6.79E-07	5.78E-06	1.11E-05	5.22E-07	4.67E-06	8.69E-06
2,605	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.00E-05	4.73E-07	4.22E-06	8.01E-06	5.26E-07	4.69E-06	8.80E-06	6.34E-07	5.38E-06	1.03E-05	6.78E-07	5.77E-06	1.11E-05	5.22E-07	4.67E-06	8.69E-06
2,606	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.00E-05	4.73E-07	4.22E-06	8.01E-06	5.26E-07	4.69E-06	8.80E-06	6.34E-07	5.38E-06	1.03E-05	6.78E-07	5.76E-06	1.11E-05	5.22E-07	4.67E-06	8.69E-06
2,607	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.00E-05	4.73E-07	4.22E-06	8.00E-06	5.26E-07	4.69E-06	8.80E-06	6.34E-07	5.38E-06	1.03E-05	6.78E-07	5.76E-06	1.11E-05	5.22E-07	4.67E-06	8.68E-06
2,608	1.36E-06	1.19E-05	2.24E-05	1.23E-06	1.06E-05	2.00E-05	4.73E-07	4.22E-06	8.00E-06	5.26E-07	4.69E-06	8.79E-06	6.33E-07	5.37E-06	1.03E-05	6.78E-07	5.76E-06	1.11E-05	5.22E-07	4.67E-06	8.68E-06
2,609	1.36E-06	1.18E-05	2.23E-05	1.23E-06	1.06E-05	2.00E-05	4.73E-07	4.22E-06	8.00E-06	5.26E-07	4.69E-06	8.78E-06	6.33E-07	5.37E-06	1.03E-05	6.77E-07	5.76E-06	1.11E-05	5.22E-07	4.67E-06	8.68E-06
2,610	1.36E-06	1.18E-05	2.23E-05	1.22E-06	1.06E-05	2.00E-05	4.72E-07	4.22E-06	7.99E-06	5.25E-07	4.69E-06	8.78E-06	6.33E-07	5.37E-06	1.03E-05	6.77E-07	5.75E-06	1.11E-05	5.22E-07	4.67E-06	8.68E-06
2,611	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.06E-05	2.00E-05	4.72E-07	4.21E-06	7.99E-06	5.25E-07	4.69E-06	8.78E-06	6.33E-07	5.37E-06	1.03E-05	6.77E-07	5.75E-06	1.11E-05	5.21E-07	4.67E-06	8.68E-06
2,612	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.06E-05	2.00E-05	4.72E-07	4.21E-06	7.99E-06	5.25E-07	4.68E-06	8.77E-06	6.32E-07	5.37E-06	1.03E-05	6.77E-07	5.75E-06	1.11E-05	5.21E-07	4.66E-06	8.68E-06
2,613	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.72E-07	4.21E-06	7.98E-06	5.25E-07	4.68E-06	8.77E-06	6.32E-07	5.37E-06	1.03E-05	6.76E-07	5.75E-06	1.11E-05	5.21E-07	4.66E-06	8.68E-06
2,614	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.21E-06	7.98E-06	5.25E-07	4.68E-06	8.77E-06	6.32E-07	5.37E-06	1.03E-05	6.76E-07	5.75E-06	1.11E-05	5.21E-07	4.66E-06	8.67E-06
2,615	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.21E-06	7.98E-06	5.24E-07	4.68E-06	8.76E-06	6.31E-07	5.37E-06	1.03E-05	6.76E-07	5.74E-06	1.11E-05	5.21E-07	4.66E-06	8.67E-06
2,616	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.20E-06	7.98E-06	5.24E-07	4.67E-06	8.76E-06	6.31E-07	5.36E-06	1.03E-05	6.76E-07	5.74E-06	1.11E-05	5.20E-07	4.66E-06	8.67E-06
2,617	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.20E-06	7.97E-06	5.24E-07	4.67E-06	8.75E-06	6.31E-07	5.36E-06	1.02E-05	6.75E-07	5.74E-06	1.11E-05	5.20E-07	4.66E-06	8.67E-06
2,618	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.20E-06	7.97E-06	5.24E-07	4.67E-06	8.75E-06	6.31E-07	5.36E-06	1.02E-05	6.75E-07	5.74E-06	1.11E-05	5.20E-07	4.66E-06	8.66E-06
2,619	1.35E-06	1.18E-05	2.23E-05	1.22E-06	1.05E-05	2.00E-05	4.71E-07	4.20E-06	7.97E-06	5.23E-07	4.67E-06	8.75E-06	6.31E-07	5.36E-06	1.02E-05	6.75E-07	5.74E-06	1.11E-05	5.20E-07	4.66E-06	8.66E-06
2,620	1.35E-06	1.18E-05	2.22E-05	1.22E-06	1.05E-05	1.99E-05	4.70E-07	4.20E-06	7.97E-06	5.23E-07	4.67E-06	8.74E-06	6.31E-07	5.36E-06	1.02E-05	6.75E-07	5.74E-06	1.11E-05	5.19E-07	4.66E-06	8.66E-06
2,621	1.35E-06	1.18E-05	2.22E-05	1.22E-06	1.05E-05	1.99E-05	4.70E-07	4.19E-06	7.96E-06	5.22E-07	4.67E-06	8.74E-06	6.30E-07	5.36E-06	1.02E-05	6.75E-07	5.74E-06	1.11E-05	5.19E-07	4.65E-06	8.65E-06
2,622	1.35E-06	1.18E-05	2.22E-05	1.22E-06	1.05E-05	1.99E-05	4.70E-07	4.19E-06	7.96E-06	5.22E-07	4.66E-06	8.74E-06	6.30E-07	5.35E-06	1.02E-05	6.74E-07	5.74E-06	1.11E-05	5.19E-07	4.65E-06	8.65E-06
2,623	1.35E-06	1.18E-05	2.22E-05	1.22E-06	1.05E-05	1.99E-05	4.70E-07	4.19E-06	7.96E-06	5.22E-07	4.66E-06	8.74E-06	6.30E-07	5.35E-06	1.02E-05	6.74E-07	5.74E-06	1.11E-05	5.19E-07	4.65E-06	8.65E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,644	1.33E-06	1.17E-05	2.20E-05	1.21E-06	1.04E-05	1.98E-05	4.67E-07	4.15E-06	7.91E-06	5.19E-07	4.63E-06	8.68E-06	6.24E-07	5.30E-06	1.02E-05	6.70E-07	5.69E-06	1.10E-05	5.15E-07	4.60E-06	8.59E-06
2,645	1.33E-06	1.17E-05	2.20E-05	1.21E-06	1.04E-05	1.98E-05	4.66E-07	4.15E-06	7.90E-06	5.19E-07	4.62E-06	8.68E-06	6.24E-07	5.29E-06	1.02E-05	6.70E-07	5.69E-06	1.10E-05	5.15E-07	4.60E-06	8.59E-06
2,646	1.33E-06	1.17E-05	2.20E-05	1.21E-06	1.04E-05	1.98E-05	4.66E-07	4.15E-06	7.90E-06	5.18E-07	4.62E-06	8.67E-06	6.24E-07	5.29E-06	1.02E-05	6.69E-07	5.68E-06	1.10E-05	5.15E-07	4.60E-06	8.59E-06
2,647	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.98E-05	4.66E-07	4.14E-06	7.90E-06	5.18E-07	4.62E-06	8.67E-06	6.24E-07	5.29E-06	1.02E-05	6.69E-07	5.68E-06	1.10E-05	5.15E-07	4.60E-06	8.58E-06
2,648	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.98E-05	4.66E-07	4.14E-06	7.90E-06	5.18E-07	4.62E-06	8.67E-06	6.23E-07	5.29E-06	1.02E-05	6.69E-07	5.68E-06	1.10E-05	5.15E-07	4.59E-06	8.58E-06
2,649	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.89E-06	5.17E-07	4.62E-06	8.66E-06	6.23E-07	5.29E-06	1.02E-05	6.68E-07	5.68E-06	1.10E-05	5.15E-07	4.59E-06	8.58E-06
2,650	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.17E-07	4.62E-06	8.66E-06	6.23E-07	5.29E-06	1.02E-05	6.68E-07	5.68E-06	1.10E-05	5.15E-07	4.59E-06	8.58E-06
2,651	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.17E-07	4.62E-06	8.66E-06	6.23E-07	5.29E-06	1.02E-05	6.67E-07	5.68E-06	1.10E-05	5.15E-07	4.58E-06	8.58E-06
2,652	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.17E-07	4.62E-06	8.66E-06	6.23E-07	5.29E-06	1.02E-05	6.67E-07	5.68E-06	1.10E-05	5.15E-07	4.58E-06	8.57E-06
2,653	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.17E-07	4.61E-06	8.66E-06	6.22E-07	5.28E-06	1.02E-05	6.67E-07	5.68E-06	1.10E-05	5.15E-07	4.58E-06	8.57E-06
2,654	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.16E-07	4.61E-06	8.65E-06	6.22E-07	5.28E-06	1.01E-05	6.67E-07	5.67E-06	1.10E-05	5.14E-07	4.57E-06	8.57E-06
2,655	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.66E-07	4.14E-06	7.88E-06	5.16E-07	4.61E-06	8.65E-06	6.22E-07	5.28E-06	1.01E-05	6.67E-07	5.67E-06	1.10E-05	5.14E-07	4.57E-06	8.57E-06
2,656	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.65E-07	4.14E-06	7.87E-06	5.16E-07	4.61E-06	8.65E-06	6.21E-07	5.28E-06	1.01E-05	6.67E-07	5.67E-06	1.10E-05	5.14E-07	4.57E-06	8.57E-06
2,657	1.33E-06	1.17E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.65E-07	4.14E-06	7.87E-06	5.15E-07	4.61E-06	8.65E-06	6.21E-07	5.28E-06	1.01E-05	6.65E-07	5.67E-06	1.09E-05	5.14E-07	4.57E-06	8.57E-06
2,658	1.33E-06	1.16E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.65E-07	4.14E-06	7.87E-06	5.15E-07	4.61E-06	8.65E-06	6.21E-07	5.28E-06	1.01E-05	6.65E-07	5.66E-06	1.09E-05	5.14E-07	4.57E-06	8.57E-06
2,659	1.33E-06	1.16E-05	2.20E-05	1.20E-06	1.04E-05	1.97E-05	4.65E-07	4.13E-06	7.86E-06	5.15E-07	4.60E-06	8.64E-06	6.21E-07	5.28E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.14E-07	4.57E-06	8.56E-06
2,660	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.04E-05	1.97E-05	4.65E-07	4.13E-06	7.86E-06	5.15E-07	4.60E-06	8.63E-06	6.21E-07	5.28E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.13E-07	4.57E-06	8.56E-06
2,661	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.04E-05	1.97E-05	4.64E-07	4.13E-06	7.86E-06	5.14E-07	4.60E-06	8.62E-06	6.20E-07	5.27E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.13E-07	4.57E-06	8.56E-06
2,662	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.97E-05	4.64E-07	4.13E-06	7.86E-06	5.14E-07	4.60E-06	8.62E-06	6.20E-07	5.27E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.13E-07	4.57E-06	8.56E-06
2,663	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.97E-05	4.64E-07	4.13E-06	7.85E-06	5.14E-07	4.60E-06	8.62E-06	6.20E-07	5.27E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.13E-07	4.56E-06	8.56E-06
2,664	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.97E-05	4.64E-07	4.13E-06	7.85E-06	5.14E-07	4.59E-06	8.62E-06	6.20E-07	5.27E-06	1.01E-05	6.64E-07	5.66E-06	1.09E-05	5.13E-07	4.56E-06	8.55E-06
2,665	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.97E-05	4.64E-07	4.13E-06	7.85E-06	5.14E-07	4.59E-06	8.62E-06	6.19E-07	5.27E-06	1.01E-05	6.64E-07	5.65E-06	1.09E-05	5.13E-07	4.56E-06	8.54E-06
2,666	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.96E-05	4.64E-07	4.12E-06	7.84E-06	5.14E-07	4.59E-06	8.62E-06	6.19E-07	5.27E-06	1.01E-05	6.63E-07	5.65E-06	1.09E-05	5.12E-07	4.56E-06	8.54E-06
2,667	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.96E-05	4.64E-07	4.12E-06	7.84E-06	5.14E-07	4.58E-06	8.61E-06	6.19E-07	5.26E-06	1.01E-05	6.63E-07	5.65E-06	1.09E-05	5.12E-07	4.56E-06	8.54E-06
2,668	1.33E-06	1.16E-05	2.19E-05	1.20E-06	1.03E-05	1.96E-05	4.64E-07	4.12E-06	7.84E-06	5.14E-07	4.58E-06	8.61E-06	6.19E-07	5.26E-06	1.01E-05	6.63E-07	5.64E-06	1.09E-05	5.12E-07	4.56E-06	8.53E-06
2,669	1.32E-06	1.16E-05	2.19E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.84E-06	5.14E-07	4.58E-06	8.61E-06	6.19E-07	5.26E-06	1.01E-05	6.63E-07	5.64E-06	1.09E-05	5.12E-07	4.56E-06	8.53E-06
2,670	1.32E-06	1.16E-05	2.19E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.83E-06	5.14E-07	4.58E-06	8.61E-06	6.19E-07	5.26E-06	1.01E-05	6.63E-07	5.64E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,671	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.83E-06	5.14E-07	4.58E-06	8.61E-06	6.19E-07	5.26E-06	1.01E-05	6.63E-07	5.64E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,672	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.82E-06	5.14E-07	4.57E-06	8.60E-06	6.18E-07	5.26E-06	1.01E-05	6.62E-07	5.64E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,673	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.82E-06	5.14E-07	4.57E-06	8.59E-06	6.18E-07	5.26E-06	1.01E-05	6.62E-07	5.64E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,674	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.12E-06	7.82E-06	5.13E-07	4.57E-06	8.59E-06	6.17E-07	5.26E-06	1.01E-05	6.62E-07	5.64E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,675	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.11E-06	7.82E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.26E-06	1.01E-05	6.62E-07	5.63E-06	1.09E-05	5.12E-07	4.55E-06	8.53E-06
2,676	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.63E-07	4.11E-06	7.82E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.25E-06	1.01E-05	6.62E-07	5.63E-06	1.09E-05	5.11E-07	4.55E-06	8.52E-06
2,677	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.62E-07	4.11E-06	7.81E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.25E-06	1.01E-05	6.62E-07	5.63E-06	1.09E-05	5.11E-07	4.55E-06	8.51E-06
2,678	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.62E-07	4.11E-06	7.81E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.25E-06	1.01E-05	6.61E-07	5.63E-06	1.09E-05	5.11E-07	4.55E-06	8.51E-06
2,679	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.62E-07	4.10E-06	7.81E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.25E-06	1.01E-05	6.60E-07	5.63E-06	1.09E-05	5.11E-07	4.54E-06	8.51E-06
2,680	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.62E-07	4.10E-06	7.80E-06	5.13E-07	4.57E-06	8.58E-06	6.17E-07	5.24E-06	1.01E-05	6.60E-07	5.62E-06	1.09E-05	5.11E-07	4.54E-06	8.50E-06
2,681	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.96E-05	4.62E-07	4.10E-06	7.80E-06	5.12E-07	4.57E-06	8.57E-06	6.17E-07	5.24E-06	1.01E-05	6.60E-07	5.62E-06	1.09E-05	5.10E-07	4.54E-06	8.50E-06
2,682	1.32E-06	1.16E-05	2.18E-05	1.19E-06	1.03E-05	1.95E-05	4.62E-07	4.10E-06	7.80E-06	5.12E-07	4.56E-06	8.57E-06	6.16E-07	5.24E-06	1.01E-05	6.60E-07	5.62E-06	1.09E-05	5.10E-07	4.54E-06	8.50E-06
2,683	1.32E-06	1.16E-05	2.17E-05	1.19E-06	1.03E-05	1.95E-05	4.62E-07	4.10E-06	7.80E-06	5.12E-07	4.56E-06	8.57E-06	6.16E-07	5.24E-06	1.01E-05	6.60E-07	5.61E-06	1.08E-05	5.10E-07	4.54E-06	8.50E-06
2,684	1.32E-06	1.16E-05	2.17E-05	1.19E-06	1.03E-05	1.95E-05	4.62E-07	4.10E-06	7.80E-06	5.12E-07	4.56E-06	8.57E-06	6.16E-07	5.23E-06	1.01E-05	6.60E-07	5.61E-06	1.08E-05	5.10E-07	4.54E-06	8.49E-06
2,685	1.32E-06	1.16E-05	2.17E-05	1.19E-06	1.03E-05	1.95E-05	4.61E-07	4.10E-06	7.79E-06	5.12E-07	4.56E-06	8.56E-06	6.16E-07	5.23E-06	1.01E-05	6.59E-07	5.61E-06	1.08E-05	5.10E-07	4.53E-06	8.48E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,706	1.30E-06	1.15E-05	2.15E-05	1.17E-06	1.02E-05	1.94E-05	4.57E-07	4.08E-06	7.75E-06	5.10E-07	4.52E-06	8.49E-06	6.11E-07	5.20E-06	9.99E-06	6.55E-07	5.58E-06	1.08E-05	5.06E-07	4.47E-06	8.43E-06
2,707	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.02E-05	1.94E-05	4.57E-07	4.08E-06	7.75E-06	5.09E-07	4.52E-06	8.49E-06	6.11E-07	5.20E-06	9.99E-06	6.54E-07	5.58E-06	1.08E-05	5.05E-07	4.47E-06	8.43E-06
2,708	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.02E-05	1.94E-05	4.57E-07	4.08E-06	7.75E-06	5.09E-07	4.52E-06	8.48E-06	6.10E-07	5.20E-06	9.99E-06	6.54E-07	5.57E-06	1.08E-05	5.05E-07	4.47E-06	8.42E-06
2,709	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.02E-05	1.94E-05	4.57E-07	4.08E-06	7.74E-06	5.09E-07	4.52E-06	8.48E-06	6.10E-07	5.20E-06	9.99E-06	6.53E-07	5.56E-06	1.08E-05	5.05E-07	4.47E-06	8.42E-06
2,710	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.94E-05	4.56E-07	4.08E-06	7.74E-06	5.09E-07	4.51E-06	8.47E-06	6.10E-07	5.19E-06	9.98E-06	6.53E-07	5.56E-06	1.08E-05	5.05E-07	4.47E-06	8.42E-06
2,711	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.94E-05	4.56E-07	4.08E-06	7.74E-06	5.09E-07	4.51E-06	8.47E-06	6.10E-07	5.19E-06	9.98E-06	6.53E-07	5.56E-06	1.08E-05	5.05E-07	4.46E-06	8.41E-06
2,712	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.94E-05	4.56E-07	4.07E-06	7.74E-06	5.09E-07	4.51E-06	8.47E-06	6.09E-07	5.19E-06	9.97E-06	6.53E-07	5.56E-06	1.08E-05	5.05E-07	4.46E-06	8.41E-06
2,713	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.07E-06	7.73E-06	5.09E-07	4.51E-06	8.47E-06	6.09E-07	5.19E-06	9.97E-06	6.53E-07	5.55E-06	1.08E-05	5.04E-07	4.46E-06	8.41E-06
2,714	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.07E-06	7.73E-06	5.08E-07	4.51E-06	8.47E-06	6.09E-07	5.19E-06	9.97E-06	6.52E-07	5.55E-06	1.08E-05	5.04E-07	4.46E-06	8.40E-06
2,715	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.07E-06	7.72E-06	5.08E-07	4.51E-06	8.47E-06	6.09E-07	5.19E-06	9.97E-06	6.52E-07	5.55E-06	1.08E-05	5.04E-07	4.46E-06	8.40E-06
2,716	1.30E-06	1.14E-05	2.15E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.07E-06	7.72E-06	5.08E-07	4.51E-06	8.46E-06	6.08E-07	5.18E-06	9.96E-06	6.52E-07	5.55E-06	1.08E-05	5.04E-07	4.45E-06	8.40E-06
2,717	1.30E-06	1.14E-05	2.14E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.07E-06	7.72E-06	5.08E-07	4.51E-06	8.46E-06	6.08E-07	5.18E-06	9.96E-06	6.52E-07	5.55E-06	1.08E-05	5.04E-07	4.45E-06	8.39E-06
2,718	1.30E-06	1.14E-05	2.14E-05	1.17E-06	1.01E-05	1.93E-05	4.55E-07	4.06E-06	7.71E-06	5.08E-07	4.50E-06	8.46E-06	6.08E-07	5.18E-06	9.95E-06	6.52E-07	5.55E-06	1.07E-05	5.04E-07	4.45E-06	8.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,768	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.90E-06	1.89E-05	4.48E-07	3.99E-06	7.59E-06	4.99E-07	4.39E-06	8.33E-06	5.98E-07	5.07E-06	9.83E-06	6.39E-07	5.45E-06	1.06E-05	4.96E-07	4.39E-06	8.23E-06
2,769	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.89E-06	1.89E-05	4.48E-07	3.98E-06	7.59E-06	4.99E-07	4.39E-06	8.33E-06	5.98E-07	5.07E-06	9.83E-06	6.39E-07	5.45E-06	1.06E-05	4.96E-07	4.38E-06	8.22E-06
2,770	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.89E-06	1.89E-05	4.47E-07	3.98E-06	7.58E-06	4.98E-07	4.39E-06	8.33E-06	5.98E-07	5.07E-06	9.83E-06	6.38E-07	5.45E-06	1.05E-05	4.96E-07	4.38E-06	8.22E-06
2,771	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.89E-06	1.89E-05	4.47E-07	3.98E-06	7.58E-06	4.98E-07	4.39E-06	8.33E-06	5.97E-07	5.07E-06	9.83E-06	6.38E-07	5.45E-06	1.05E-05	4.95E-07	4.38E-06	8.22E-06
2,772	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.88E-06	1.89E-05	4.47E-07	3.98E-06	7.57E-06	4.98E-07	4.38E-06	8.33E-06	5.97E-07	5.07E-06	9.82E-06	6.38E-07	5.45E-06	1.05E-05	4.95E-07	4.38E-06	8.21E-06
2,773	1.28E-06	1.11E-05	2.11E-05	1.14E-06	9.88E-06	1.89E-05	4.47E-07	3.97E-06	7.57E-06	4.97E-07	4.38E-06	8.32E-06	5.97E-07	5.06E-06	9.82E-06	6.38E-07	5.45E-06	1.05E-05	4.95E-07	4.38E-06	8.21E-06
2,774	1.27E-06	1.10E-05	2.11E-05	1.14E-06	9.88E-06	1.89E-05	4.47E-07	3.97E-06	7.57E-06	4.97E-07	4.38E-06	8.32E-06	5.97E-07	5.06E-06	9.82E-06	6.38E-07	5.45E-06	1.05E-05	4.95E-07	4.38E-06	8.21E-06
2,775	1.27E-06	1.10E-05	2.11E-05	1.14E-06	9.88E-06	1.89E-05	4.47E-07	3.97E-06	7.57E-06	4.97E-07	4.38E-06	8.32E-06	5.97E-07	5.06E-06	9.82E-06	6.38E-07	5.45E-06	1.05E-05	4.95E-07	4.37E-06	8.20E-06
2,776	1.27E-06	1.10E-05	2.11E-05	1.14E-06	9.87E-06	1.89E-05	4.46E-07	3.97E-06	7.56E-06	4.97E-07	4.38E-06	8.32E-06	5.97E-07	5.06E-06	9.81E-06	6.37E-07	5.45E-06	1.05E-05	4.95E-07	4.37E-06	8.20E-06
2,777	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.87E-06	1.89E-05	4.46E-07	3.97E-06	7.56E-06	4.97E-07	4.38E-06	8.32E-06	5.97E-07	5.05E-06	9.81E-06	6.37E-07	5.45E-06	1.05E-05	4.94E-07	4.37E-06	8.20E-06
2,778	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.86E-06	1.89E-05	4.46E-07	3.96E-06	7.56E-06	4.96E-07	4.38E-06	8.30E-06	5.97E-07	5.05E-06	9.81E-06	6.36E-07	5.44E-06	1.05E-05	4.94E-07	4.37E-06	8.19E-06
2,779	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.86E-06	1.89E-05	4.46E-07	3.96E-06	7.55E-06	4.96E-07	4.38E-06	8.30E-06	5.97E-07	5.05E-06	9.81E-06	6.36E-07	5.44E-06	1.05E-05	4.94E-07	4.37E-06	8.18E-06
2,780	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.85E-06	1.89E-05	4.46E-07	3.96E-06	7.54E-06	4.96E-07	4.37E-06	8.30E-06	5.96E-07	5.05E-06	9.81E-06	6.36E-07	5.44E-06	1.05E-05	4.94E-07	4.37E-06	8.18E-06
2,781	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.85E-06	1.88E-05	4.46E-07	3.96E-06	7.53E-06	4.96E-07	4.37E-06	8.30E-06	5.96E-07	5.05E-06	9.81E-06	6.35E-07	5.44E-06	1.05E-05	4.94E-07	4.37E-06	8.17E-06
2,782	1.27E-06	1.10E-05	2.10E-05	1.14E-06	9.85E-06	1.88E-05	4.46E-07	3.96E-06	7.53E-06	4.96E-07	4.37E-06	8.30E-06	5.96E-07	5.05E-06	9.81E-06	6.34E-07	5.44E-06	1.05E-05	4.94E-07	4.36E-06	8.17E-06
2,783	1.27E-06	1.10E-05	2.10E-05	1.13E-06	9.85E-06	1.88E-05	4.46E-07	3.96E-06	7.53E-06	4.96E-07	4.37E-06	8.29E-06	5.96E-07	5.05E-06	9.81E-06	6.34E-07	5.43E-06	1.05E-05	4.94E-07	4.36E-06	8.17E-06
2,784	1.27E-06	1.10E-05	2.10E-05	1.13E-06	9.84E-06	1.88E-05	4.45E-07	3.95E-06	7.53E-06	4.96E-07	4.37E-06	8.29E-06	5.95E-07	5.05E-06	9.80E-06	6.34E-07	5.43E-06	1.05E-05	4.94E-07	4.36E-06	8.16E-06
2,785	1.27E-06	1.10E-05	2.10E-05	1.13E-06	9.84E-06	1.88E-05	4.45E-07	3.95E-06	7.53E-06	4.96E-07	4.37E-06	8.29E-06	5.95E-07	5.04E-06	9.80E-06	6.34E-07	5.43E-06	1.05E-05	4.94E-07	4.36E-06	8.16E-06
2,786	1.27E-06	1.10E-05	2.10E-05	1.13E-06	9.83E-06	1.88E-05	4.45E-07	3.95E-06	7.52E-06	4.95E-07	4.36E-06	8.29E-06	5.95E-07	5.04E-06	9.80E-06	6.34E-07	5.43E-06	1.05E-05	4.94E-07	4.35E-06	8.15E-06
2,787	1.27E-06	1.10E-05	2.09E-05	1.13E-06	9.83E-06	1.88E-05	4.45E-07	3.95E-06	7.51E-06	4.95E-07	4.36E-06	8.29E-06	5.95E-07	5.04E-06	9.80E-06	6.34E-07	5.43E-06	1.05E-05	4.94E-07	4.35E-06	8.15E-06
2,788	1.27E-06	1.10E-05	2.09E-05	1.13E-06	9.82E-06	1.88E-05	4.45E-07	3.95E-06	7.51E-06	4.95E-07	4.36E-06	8.29E-06	5.95E-07	5.04E-06	9.79E-06	6.33E-07	5.42E-06	1.05E-05	4.93E-07	4.35E-06	8.14E-06
2,789	1.27E-06	1.10E-05	2.09E-05	1.13E-06	9.82E-06	1.88E-05	4.45E-07	3.95E-06	7.51E-06	4.95E-07	4.36E-06	8.28E-06	5.94E-07	5.02E-06	9.79E-06	6.33E-07	5.42E-06	1.05E-05	4.93E-07	4.35E-06	8.14E-06
2,790	1.26E-06	1.10E-05	2.09E-05	1.13E-06	9.82E-06	1.88E-05	4.45E-07	3.95E-06	7.51E-06	4.95E-07	4.36E-06	8.28E-06	5.94E-07	5.02E-06	9.79E-06	6.33E-07	5.42E-06	1.05E-05	4.93E-07	4.35E-06	8.14E-06
2,791	1.26E-06	1.10E-05	2.09E-05	1.13E-06	9.82E-06	1.88E-05	4.44E-07	3.95E-06	7.50E-06	4.95E-07	4.35E-06	8.27E-06	5.94E-07	5.02E-06	9.79E-06	6.33E-07	5.42E-06	1.05E-05	4.93E-07	4.35E-06	8.14E-06
2,792	1.26E-06	1.10E-05	2.09E-05	1.13E-06	9.81E-06	1.88E-05	4.44E-07	3.95E-06	7.50E-06	4.95E-07	4.35E-06	8.27E-06	5.93E-07	5.02E-06	9.78E-06	6.32E-07	5.42E-06	1.05E-05	4.92E-07	4.35E-06	8.13E-06
2,793	1.26E-06	1.10E-05	2.09E-05	1.13E-06	9.80E-06	1.87E-05	4.44E-07	3.95E-06	7.50E-06	4.95E-07	4.35E-06	8.27E-06	5.93E-07	5.02E-06	9.78E-06	6.32E-07	5.42E-06	1.05E-05	4.92E-07	4.34E-06	8.13E-06
2,794	1.26E-06	1.10E-05	2.09E-05	1.13E-06	9.79E-06	1.87E-05	4.44E-07	3.95E-06	7.50E-06	4.95E-07	4.35E-06	8.27E-06	5.93E-07	5.01E-06	9.77E-06	6.32E-07	5.42E-06	1.05E-05	4.92E-07	4.34E-06	8.13E-06
2,795	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.79E-06	1.87E-05	4.44E-07	3.95E-06	7.49E-06	4.94E-07	4.35E-06	8.27E-06	5.92E-07	5.01E-06	9.77E-06	6.32E-07	5.41E-06	1.05E-05	4.92E-07	4.34E-06	8.12E-06
2,796	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.79E-06	1.87E-05	4.44E-07	3.94E-06	7.49E-06	4.94E-07	4.35E-06	8.27E-06	5.92E-07	5.01E-06	9.77E-06	6.32E-07	5.41E-06	1.05E-05	4.92E-07	4.34E-06	8.11E-06
2,797	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.79E-06	1.87E-05	4.44E-07	3.94E-06	7.48E-06	4.94E-07	4.34E-06	8.27E-06	5.92E-07	5.01E-06	9.76E-06	6.31E-07	5.41E-06	1.04E-05	4.92E-07	4.34E-06	8.11E-06
2,798	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.79E-06	1.87E-05	4.44E-07	3.94E-06	7.48E-06	4.94E-07	4.34E-06	8.26E-06	5.92E-07	5.01E-06	9.76E-06	6.31E-07	5.41E-06	1.04E-05	4.92E-07	4.34E-06	8.11E-06
2,799	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.78E-06	1.87E-05	4.43E-07	3.93E-06	7.47E-06	4.94E-07	4.33E-06	8.26E-06	5.92E-07	5.01E-06	9.76E-06	6.31E-07	5.41E-06	1.04E-05	4.92E-07	4.33E-06	8.11E-06
2,800	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.78E-06	1.87E-05	4.43E-07	3.93E-06	7.47E-06	4.93E-07	4.33E-06	8.26E-06	5.92E-07	5.01E-06	9.76E-06	6.31E-07	5.41E-06	1.04E-05	4.92E-07	4.33E-06	8.10E-06
2,801	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.78E-06	1.87E-05	4.43E-07	3.93E-06	7.47E-06	4.93E-07	4.33E-06	8.26E-06	5.92E-07	5.00E-06	9.76E-06	6.30E-07	5.41E-06	1.04E-05	4.92E-07	4.32E-06	8.10E-06
2,802	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.78E-06	1.87E-05	4.43E-07	3.93E-06	7.47E-06	4.93E-07	4.33E-06	8.25E-06	5.92E-07	5.00E-06	9.75E-06	6.30E-07	5.40E-06	1.04E-05	4.92E-07	4.32E-06	8.10E-06
2,803	1.26E-06	1.09E-05	2.09E-05	1.13E-06	9.77E-06	1.87E-05	4.42E-07	3.93E-06	7.46E-06	4.92E-07	4.33E-06	8.25E-06	5.91E-07	5.00E-06	9.75E-06	6.30E-07	5.40E-06	1.04E-05	4.92E-07	4.32E-06	8.10E-06
2,804	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.76E-06	1.87E-05	4.42E-07	3.93E-06	7.45E-06	4.92E-07	4.33E-06	8.25E-06	5.91E-07	5.00E-06	9.75E-06	6.30E-07	5.39E-06	1.04E-05	4.91E-07	4.32E-06	8.09E-06
2,805	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.76E-06	1.87E-05	4.42E-07	3.93E-06	7.45E-06	4.92E-07	4.33E-06	8.25E-06	5.91E-07	4.99E-06	9.74E-06	6.29E-07	5.39E-06	1.04E-05	4.91E-07	4.32E-06	8.09E-06
2,806	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.76E-06	1.87E-05	4.42E-07	3.93E-06	7.45E-06	4.91E-07	4.33E-06	8.24E-06	5.91E-07	4.99E-06	9.74E-06	6.29E-07	5.39E-06	1.04E-05	4.91E-07	4.32E-06	8.09E-06
2,807	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.75E-06	1.87E-05	4.42E-07	3.93E-06	7.45E-06	4.91E-07	4.32E-06	8.24E-06	5.90E-07	4.99E-06	9.74E-06	6.29E-07	5.39E-06	1.04E-05	4.91E-07	4.32E-06	8.09E-06
2,808	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.75E-06	1.87E-05	4.42E-07	3.92E-06	7.45E-06	4.91E-07	4.32E-06	8.23E-06	5.90E-07	4.99E-06	9.73E-06	6.29E-07	5.38E-06	1.04E-05	4.91E-07	4.31E-06	8.09E-06
2,809	1.26E-06	1.09E-05	2.08E-05	1.13E-06	9.75E-06	1.87E-05	4.42E-07	3.92E-06	7.44E-06	4.91E-07	4.32E-06	8.22E-06	5.90E-07	4.99E-06	9.73E-06	6.28E-07	5.38E-06	1.04E-05	4.91E-07	4.31E-06	8.08E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,830	1.25E-06	1.07E-05	2.07E-05	1.12E-06	9.64E-06	1.86E-05	4.39E-07	3.88E-06	7.37E-06	4.87E-07	4.29E-06	8.17E-06	5.86E-07	4.95E-06	9.67E-06	6.22E-07	5.33E-06	1.03E-05	4.87E-07	4.27E-06	8.01E-06
2,831	1.25E-06	1.07E-05	2.06E-05	1.12E-06	9.63E-06	1.86E-05	4.39E-07	3.87E-06	7.37E-06	4.87E-07	4.29E-06	8.17E-06	5.86E-07	4.95E-06	9.66E-06	6.22E-07	5.33E-06	1.03E-05	4.87E-07	4.27E-06	8.01E-06
2,832	1.25E-06	1.07E-05	2.06E-05	1.12E-06	9.63E-06	1.86E-05	4.39E-07	3.87E-06	7.37E-06	4.87E-07	4.29E-06	8.17E-06	5.86E-07	4.95E-06	9.66E-06	6.21E-07	5.33E-06	1.03E-05	4.86E-07	4.26E-06	8.00E-06
2,833	1.25E-06	1.07E-05	2.06E-05	1.12E-06	9.63E-06	1.86E-05	4.39E-07	3.87E-06	7.37E-06	4.87E-07	4.29E-06	8.16E-06	5.86E-07	4.94E-06	9.66E-06	6.21E-07	5.33E-06	1.03E-05	4.86E-07	4.26E-06	8.00E-06
2,834	1.24E-06	1.07E-05	2.06E-05	1.12E-06	9.63E-06	1.86E-05	4.39E-07	3.87E-06	7.36E-06	4.87E-07	4.28E-06	8.16E-06	5.86E-07	4.94E-06	9.66E-06	6.21E-07	5.33E-06	1.03E-05	4.86E-07	4.26E-06	8.00E-06
2,835	1.24E-06	1.07E-05	2.06E-05	1.12E-06	9.61E-06	1.85E-05	4.39E-07	3.87E-06	7.36E-06	4.87E-07	4.28E-06	8.16E-06	5.85E-07	4.94E-06	9.66E-06	6.20E-07	5.33E-06	1.03E-05	4.85E-07	4.26E-06	8.00E-06
2,836	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.61E-06	1.85E-05	4.39E-07	3.87E-06	7.36E-06	4.87E-07	4.28E-06	8.16E-06	5.85E-07	4.94E-06	9.66E-06	6.20E-07	5.33E-06	1.03E-05	4.85E-07	4.26E-06	7.99E-06
2,837	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.61E-06	1.85E-05	4.39E-07	3.87E-06	7.35E-06	4.87E-07	4.28E-06	8.16E-06	5.85E-07	4.93E-06	9.65E-06	6.20E-07	5.33E-06	1.03E-05	4.85E-07	4.26E-06	7.99E-06
2,838	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.61E-06	1.85E-05	4.38E-07	3.87E-06	7.35E-06	4.87E-07	4.28E-06	8.15E-06	5.85E-07	4.93E-06	9.65E-06	6.20E-07	5.32E-06	1.03E-05	4.85E-07	4.25E-06	7.99E-06
2,839	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.60E-06	1.85E-05	4.38E-07	3.87E-06	7.34E-06	4.87E-07	4.28E-06	8.15E-06	5.85E-07	4.93E-06	9.65E-06	6.20E-07	5.32E-06	1.03E-05	4.85E-07	4.25E-06	7.99E-06
2,840	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.59E-06	1.85E-05	4.38E-07	3.86E-06	7.34E-06	4.86E-07	4.27E-06	8.15E-06	5.85E-07	4.93E-06	9.63E-06	6.20E-07	5.32E-06	1.03E-05	4.84E-07	4.25E-06	7.99E-06
2,841	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.38E-07	3.86E-06	7.34E-06	4.86E-07	4.27E-06	8.14E-06	5.84E-07	4.92E-06	9.63E-06	6.19E-07	5.32E-06	1.03E-05	4.84E-07	4.25E-06	7.98E-06
2,842	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.38E-07	3.86E-06	7.34E-06	4.86E-07	4.27E-06	8.14E-06	5.84E-07	4.92E-06	9.63E-06	6.19E-07	5.31E-06	1.03E-05	4.84E-07	4.25E-06	7.98E-06
2,843	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.38E-07	3.86E-06	7.33E-06	4.86E-07	4.27E-06	8.14E-06	5.84E-07	4.92E-06	9.63E-06	6.19E-07	5.31E-06	1.03E-05	4.83E-07	4.25E-06	7.98E-06
2,844	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.38E-07	3.86E-06	7.33E-06	4.86E-07	4.27E-06	8.14E-06	5.84E-07	4.92E-06	9.62E-06	6.19E-07	5.31E-06	1.03E-05	4.83E-07	4.25E-06	7.98E-06
2,845	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.37E-07	3.86E-06	7.33E-06	4.86E-07	4.27E-06	8.14E-06	5.84E-07	4.91E-06	9.61E-06	6.19E-07	5.31E-06	1.03E-05	4.83E-07	4.24E-06	7.97E-06
2,846	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.37E-07	3.86E-06	7.33E-06	4.86E-07	4.26E-06	8.13E-06	5.84E-07	4.91E-06	9.61E-06	6.19E-07	5.31E-06	1.03E-05	4.83E-07	4.24E-06	7.97E-06
2,847	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.58E-06	1.85E-05	4.36E-07	3.85E-06	7.33E-06	4.85E-07	4.26E-06	8.13E-06	5.83E-07	4.91E-06	9.60E-06	6.18E-07	5.31E-06	1.03E-05	4.83E-07	4.24E-06	7.96E-06
2,848	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.56E-06	1.85E-05	4.36E-07	3.85E-06	7.32E-06	4.85E-07	4.26E-06	8.12E-06	5.83E-07	4.91E-06	9.60E-06	6.18E-07	5.31E-06	1.03E-05	4.83E-07	4.24E-06	7.96E-06
2,849	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.55E-06	1.85E-05	4.36E-07	3.85E-06	7.31E-06	4.85E-07	4.26E-06	8.12E-06	5.83E-07	4.90E-06	9.60E-06	6.18E-07	5.31E-06	1.03E-05	4.82E-07	4.24E-06	7.96E-06
2,850	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.55E-06	1.85E-05	4.36E-07	3.85E-06	7.31E-06	4.85E-07	4.25E-06	8.12E-06	5.83E-07	4.90E-06	9.59E-06	6.18E-07	5.30E-06	1.03E-05	4.82E-07	4.24E-06	7.96E-06
2,851	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.55E-06	1.84E-05	4.36E-07	3.85E-06	7.31E-06	4.84E-07	4.25E-06	8.11E-06	5.83E-07	4.89E-06	9.59E-06	6.18E-07	5.30E-06	1.03E-05	4.82E-07	4.23E-06	7.96E-06
2,852	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.54E-06	1.84E-05	4.36E-07	3.85E-06	7.31E-06	4.84E-07	4.25E-06	8.11E-06	5.82E-07	4.89E-06	9.58E-06	6.17E-07	5.30E-06	1.02E-05	4.82E-07	4.23E-06	7.96E-06
2,853	1.24E-06	1.07E-05	2.06E-05	1.11E-06	9.54E-06	1.84E-05	4.36E-07	3.84E-06	7.31E-06	4.84E-07	4.25E-06	8.10E-06	5.82E-07	4.89E-06	9.58E-06	6.17E-07	5.29E-06	1.02E-05	4.82E-07	4.23E-06	7.95E-06
2,854	1.24E-06	1.06E-05	2.06E-05	1.11E-06	9.54E-06	1.84E-05	4.36E-07	3.84E-06	7.31E-06	4.84E-07	4.25E-06	8.10E-06	5.82E-07	4.89E-06	9.58E-06	6.17E-07	5.29E-06	1.02E-05	4.82E-07	4.23E-06	7.95E-06
2,855	1.24E-06	1.06E-05	2.05E-05	1.11E-06	9.53E-06	1.84E-05	4.35E-07	3.84E-06	7.31E-06	4.83E-07	4.25E-06	8.10E-06	5.82E-07	4.88E-06	9.58E-06	6.16E-07	5.29E-06	1.02E-05	4.81E-07	4.23E-06	7.95E-06
2,856	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.53E-06	1.84E-05	4.35E-07	3.84E-06	7.30E-06	4.83E-07	4.25E-06	8.10E-06	5.82E-07	4.88E-06	9.58E-06	6.16E-07	5.29E-06	1.02E-05	4.81E-07	4.23E-06	7.95E-06
2,857	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.53E-06	1.84E-05	4.34E-07	3.84E-06	7.30E-06	4.83E-07	4.25E-06	8.10E-06	5.82E-07	4.88E-06	9.57E-06	6.16E-07	5.29E-06	1.02E-05	4.81E-07	4.23E-06	7.95E-06
2,858	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.53E-06	1.84E-05	4.34E-07	3.84E-06	7.29E-06	4.83E-07	4.24E-06	8.10E-06	5.82E-07	4.88E-06	9.57E-06	6.16E-07	5.29E-06	1.02E-05	4.80E-07	4.22E-06	7.94E-06
2,859	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.51E-06	1.84E-05	4.34E-07	3.84E-06	7.29E-06	4.82E-07	4.24E-06	8.09E-06	5.81E-07	4.88E-06	9.57E-06	6.16E-07	5.29E-06	1.02E-05	4.80E-07	4.22E-06	7.94E-06
2,860	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.50E-06	1.84E-05	4.34E-07	3.84E-06	7.28E-06	4.82E-07	4.24E-06	8.09E-06	5.81E-07	4.88E-06	9.56E-06	6.15E-07	5.28E-06	1.02E-05	4.80E-07	4.22E-06	7.94E-06
2,861	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.50E-06	1.84E-05	4.34E-07	3.84E-06	7.28E-06	4.82E-07	4.24E-06	8.09E-06	5.81E-07	4.87E-06	9.55E-06	6.15E-07	5.28E-06	1.02E-05	4.80E-07	4.22E-06	7.93E-06
2,862	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.50E-06	1.84E-05	4.34E-07	3.84E-06	7.28E-06	4.82E-07	4.24E-06	8.09E-06	5.81E-07	4.87E-06	9.55E-06	6.15E-07	5.28E-06	1.02E-05	4.80E-07	4.22E-06	7.93E-06
2,863	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.49E-06	1.84E-05	4.34E-07	3.83E-06	7.28E-06	4.81E-07	4.24E-06	8.09E-06	5.81E-07	4.87E-06	9.55E-06	6.15E-07	5.28E-06	1.02E-05	4.80E-07	4.21E-06	7.93E-06
2,864	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.49E-06	1.83E-05	4.34E-07	3.83E-06	7.26E-06	4.81E-07	4.23E-06	8.09E-06	5.80E-07	4.87E-06	9.55E-06	6.15E-07	5.27E-06	1.02E-05	4.80E-07	4.21E-06	7.92E-06
2,865	1.23E-06	1.06E-05	2.05E-05	1.11E-06	9.49E-06	1.83E-05	4.33E-07	3.83E-06	7.26E-06	4.81E-07	4.23E-06	8.09E-06	5.80E-07	4.87E-06	9.55E-06	6.15E-07	5.27E-06	1.02E-05	4.80E-07	4.21E-06	7.92E-06
2,866	1.23E-06	1.06E-05	2.05E-05	1.10E-06	9.49E-06	1.83E-05	4.33E-07	3.83E-06	7.26E-06	4.81E-07	4.23E-06	8.08E-06	5.80E-07	4.87E-06	9.53E-06	6.15E-07	5.27E-06	1.02E-05	4.80E-07	4.21E-06	7.92E-06
2,867	1.23E-06	1.06E-05	2.05E-05	1.10E-06	9.48E-06	1.83E-05	4.33E-07	3.83E-06	7.25E-06	4.81E-07	4.23E-06	8.08E-06	5.79E-07	4.87E-06	9.53E-06	6.14E-07	5.27E-06	1.02E-05	4.79E-07	4.21E-06	7.92E-06
2,868	1.23E-06	1.06E-05	2.05E-05	1.10E-06	9.48E-06	1.83E-05	4.33E-07	3.83E-06	7.25E-06	4.81E-07	4.23E-06	8.07E-06	5.79E-07	4.87E-06	9.53E-06	6.14E-07	5.27E-06	1.02E-05	4.79E-07	4.21E-06	7.92E-06
2,869	1.23E-06	1.06E-05	2.04E-05	1.10E-06	9.48E-06	1.83E-05	4.33E-07	3.83E-06	7.24E-06	4.80E-07	4.23E-06	8.06E-06	5.79E-07	4.86E-06	9.53E-06	6.14E-07	5.27E-06	1.02E-05	4.79E-07	4.21E-06	7.92E-06
2,870	1.23E-06	1.06E-05	2.04E-05	1.10E-06	9.48E-06	1.83E-05	4.33E-07	3.83E-06	7.24E-06	4.80E-07	4.23E-06	8.06E-06	5.79E-07	4.86E-06	9.52E-06	6.14E-07	5.26E-06	1.02E-05	4.79E-07	4.21E-06	7.91E-06
2,871	1.23E-06	1.06E-05	2.04E-05	1.10E-06	9.47E-06	1.83E-05	4.33E-07	3.83E-06	7.24E-06	4.80E-07	4.23E-06	8.06E-06	5.79E-07	4.86E-06	9.52E-06	6.14E-07	5.26E-06	1.02E-05	4.79E-07	4.20E-06	7.91E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,892	1.22E-06	1.05E-05	2.03E-05	1.10E-06	9.36E-06	1.82E-05	4.30E-07	3.80E-06	7.19E-06	4.76E-07	4.20E-06	8.02E-06	5.74E-07	4.83E-06	9.44E-06	6.11E-07	5.23E-06	1.01E-05	4.75E-07	4.18E-06	7.85E-06
2,893	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.35E-06	1.82E-05	4.30E-07	3.80E-06	7.19E-06	4.76E-07	4.20E-06	8.02E-06	5.74E-07	4.83E-06	9.44E-06	6.10E-07	5.23E-06	1.01E-05	4.75E-07	4.18E-06	7.85E-06
2,894	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.35E-06	1.82E-05	4.30E-07	3.80E-06	7.19E-06	4.76E-07	4.20E-06	8.02E-06	5.74E-07	4.83E-06	9.44E-06	6.10E-07	5.23E-06	1.01E-05	4.75E-07	4.18E-06	7.85E-06
2,895	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.35E-06	1.81E-05	4.30E-07	3.80E-06	7.19E-06	4.75E-07	4.20E-06	8.02E-06	5.74E-07	4.82E-06	9.44E-06	6.10E-07	5.23E-06	1.01E-05	4.75E-07	4.18E-06	7.85E-06
2,896	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.34E-06	1.81E-05	4.29E-07	3.80E-06	7.19E-06	4.75E-07	4.20E-06	8.02E-06	5.73E-07	4.82E-06	9.44E-06	6.10E-07	5.22E-06	1.01E-05	4.75E-07	4.18E-06	7.85E-06
2,897	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.34E-06	1.81E-05	4.29E-07	3.80E-06	7.18E-06	4.75E-07	4.19E-06	8.00E-06	5.73E-07	4.82E-06	9.43E-06	6.09E-07	5.22E-06	1.01E-05	4.75E-07	4.18E-06	7.84E-06
2,898	1.22E-06	1.05E-05	2.03E-05	1.09E-06	9.34E-06	1.81E-05	4.28E-07	3.80E-06	7.18E-06	4.75E-07	4.19E-06	8.00E-06	5.73E-07	4.82E-06	9.43E-06	6.09E-07	5.22E-06	1.01E-05	4.75E-07	4.17E-06	7.84E-06
2,899	1.22E-06	1.05E-05	2.02E-05	1.09E-06	9.34E-06	1.81E-05	4.28E-07	3.79E-06	7.18E-06	4.75E-07	4.19E-06	8.00E-06	5.73E-07	4.82E-06	9.42E-06	6.09E-07	5.22E-06	1.01E-05	4.75E-07	4.17E-06	7.84E-06
2,900	1.22E-06	1.05E-05	2.02E-05	1.09E-06	9.33E-06	1.81E-05	4.28E-07	3.79E-06	7.17E-06	4.75E-07	4.19E-06	7.99E-06	5.72E-07	4.82E-06	9.41E-06	6.08E-07	5.21E-06	1.01E-05	4.75E-07	4.17E-06	7.84E-06
2,901	1.22E-06	1.05E-05	2.02E-05	1.09E-06	9.33E-06	1.81E-05	4.28E-07	3.79E-06	7.17E-06	4.75E-07	4.19E-06	7.99E-06	5.72E-07	4.82E-06	9.41E-06	6.08E-07	5.21E-06	1.01E-05	4.75E-07	4.17E-06	7.84E-06
2,902	1.22E-06	1.05E-05	2.02E-05	1.09E-06	9.32E-06	1.81E-05	4.28E-07	3.79E-06	7.17E-06	4.75E-07	4.19E-06	7.99E-06	5.72E-07	4.82E-06	9.41E-06	6.08E-07	5.21E-06	1.01E-05	4.75E-07	4.17E-06	7.84E-06
2,903	1.22E-06	1.04E-05	2.02E-05	1.09E-06	9.32E-06	1.81E-05	4.28E-07	3.78E-06	7.16E-06	4.75E-07	4.19E-06	7.99E-06	5.72E-07	4.81E-06	9.41E-06	6.08E-07	5.21E-06	1.01E-05	4.75E-07	4.17E-06	7.83E-06
2,904	1.21E-06	1.04E-05	2.02E-05	1.09E-06	9.31E-06	1.81E-05	4.28E-07	3.78E-06	7.16E-06	4.75E-07	4.19E-06	7.99E-06	5.72E-07	4.81E-06	9.41E-06	6.07E-07	5.21E-06	1.01E-05	4.74E-07	4.17E-06	7.83E-06
2,905	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.31E-06	1.81E-05	4.28E-07	3.78E-06	7.16E-06	4.74E-07	4.19E-06	7.99E-06	5.72E-07	4.81E-06	9.40E-06	6.07E-07	5.20E-06	1.01E-05	4.74E-07	4.17E-06	7.82E-06
2,906	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.30E-06	1.81E-05	4.27E-07	3.78E-06	7.15E-06	4.74E-07	4.19E-06	7.99E-06	5.72E-07	4.81E-06	9.40E-06	6.07E-07	5.20E-06	1.01E-05	4.74E-07	4.17E-06	7.82E-06
2,907	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.30E-06	1.81E-05	4.27E-07	3.77E-06	7.15E-06	4.74E-07	4.19E-06	7.98E-06	5.71E-07	4.81E-06	9.39E-06	6.07E-07	5.20E-06	1.01E-05	4.74E-07	4.17E-06	7.82E-06
2,908	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.29E-06	1.81E-05	4.27E-07	3.77E-06	7.15E-06	4.74E-07	4.19E-06	7.98E-06	5.71E-07	4.80E-06	9.39E-06	6.07E-07	5.20E-06	1.01E-05	4.74E-07	4.16E-06	7.82E-06
2,909	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.29E-06	1.80E-05	4.27E-07	3.77E-06	7.15E-06	4.74E-07	4.19E-06	7.97E-06	5.71E-07	4.80E-06	9.39E-06	6.06E-07	5.20E-06	1.01E-05	4.74E-07	4.16E-06	7.81E-06
2,910	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.29E-06	1.80E-05	4.27E-07	3.77E-06	7.15E-06	4.74E-07	4.18E-06	7.96E-06	5.71E-07	4.80E-06	9.39E-06	6.06E-07	5.20E-06	1.01E-05	4.74E-07	4.16E-06	7.80E-06
2,911	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.29E-06	1.80E-05	4.27E-07	3.77E-06	7.15E-06	4.73E-07	4.18E-06	7.96E-06	5.71E-07	4.80E-06	9.38E-06	6.06E-07	5.19E-06	1.01E-05	4.73E-07	4.16E-06	7.80E-06
2,912	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.29E-06	1.80E-05	4.27E-07	3.77E-06	7.14E-06	4.73E-07	4.18E-06	7.95E-06	5.70E-07	4.80E-06	9.38E-06	6.06E-07	5.19E-06	1.00E-05	4.73E-07	4.16E-06	7.80E-06
2,913	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.28E-06	1.80E-05	4.27E-07	3.77E-06	7.14E-06	4.73E-07	4.18E-06	7.95E-06	5.70E-07	4.80E-06	9.38E-06	6.05E-07	5.19E-06	1.00E-05	4.73E-07	4.16E-06	7.80E-06
2,914	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.28E-06	1.80E-05	4.26E-07	3.77E-06	7.14E-06	4.73E-07	4.18E-06	7.95E-06	5.70E-07	4.79E-06	9.37E-06	6.05E-07	5.19E-06	1.00E-05	4.73E-07	4.16E-06	7.80E-06
2,915	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.27E-06	1.80E-05	4.26E-07	3.76E-06	7.13E-06	4.73E-07	4.18E-06	7.95E-06	5.69E-07	4.79E-06	9.37E-06	6.05E-07	5.19E-06	1.00E-05	4.73E-07	4.15E-06	7.80E-06
2,916	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.27E-06	1.80E-05	4.25E-07	3.76E-06	7.13E-06	4.72E-07	4.18E-06	7.95E-06	5.69E-07	4.79E-06	9.37E-06	6.05E-07	5.19E-06	1.00E-05	4.73E-07	4.15E-06	7.79E-06
2,917	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.27E-06	1.80E-05	4.25E-07	3.76E-06	7.13E-06	4.72E-07	4.18E-06	7.95E-06	5.69E-07	4.79E-06	9.37E-06	6.04E-07	5.18E-06	1.00E-05	4.73E-07	4.15E-06	7.79E-06
2,918	1.21E-06	1.04E-05	2.01E-05	1.09E-06	9.27E-06	1.79E-05	4.25E-07	3.76E-06	7.13E-06	4.72E-07	4.18E-06	7.94E-06	5.69E-07	4.78E-06	9.37E-06	6.04E-07	5.18E-06	1.00E-05	4.73E-07	4.15E-06	7.79E-06
2,919	1.21E-06	1.04E-05	2.00E-05	1.09E-06	9.27E-06	1.79E-05	4.25E-07	3.76E-06	7.13E-06	4.72E-07	4.18E-06	7.94E-06	5.69E-07	4.78E-06	9.37E-06	6.04E-07	5.18E-06	1.00E-05	4.72E-07	4.15E-06	7.79E-06
2,920	1.21E-06	1.04E-05	2.00E-05	1.09E-06	9.26E-06	1.79E-05	4.25E-07	3.76E-06	7.12E-06	4.72E-07	4.18E-06	7.94E-06	5.69E-07	4.78E-06	9.36E-06	6.04E-07	5.18E-06	1.00E-05	4.72E-07	4.15E-06	7.78E-06
2,921	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.26E-06	1.79E-05	4.25E-07	3.76E-06	7.12E-06	4.72E-07	4.17E-06	7.94E-06	5.69E-07	4.78E-06	9.36E-06	6.03E-07	5.18E-06	1.00E-05	4.72E-07	4.15E-06	7.78E-06
2,922	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.26E-06	1.79E-05	4.25E-07	3.76E-06	7.11E-06	4.72E-07	4.17E-06	7.93E-06	5.68E-07	4.78E-06	9.36E-06	6.03E-07	5.18E-06	1.00E-05	4.72E-07	4.15E-06	7.78E-06
2,923	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.26E-06	1.79E-05	4.25E-07	3.76E-06	7.10E-06	4.71E-07	4.17E-06	7.93E-06	5.68E-07	4.78E-06	9.36E-06	6.03E-07	5.18E-06	1.00E-05	4.72E-07	4.15E-06	7.77E-06
2,924	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.25E-06	1.79E-05	4.25E-07	3.76E-06	7.10E-06	4.71E-07	4.17E-06	7.93E-06	5.68E-07	4.78E-06	9.35E-06	6.03E-07	5.17E-06	1.00E-05	4.71E-07	4.15E-06	7.77E-06
2,925	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.25E-06	1.79E-05	4.24E-07	3.76E-06	7.10E-06	4.70E-07	4.17E-06	7.93E-06	5.68E-07	4.78E-06	9.34E-06	6.02E-07	5.17E-06	1.00E-05	4.71E-07	4.14E-06	7.77E-06
2,926	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.25E-06	1.79E-05	4.24E-07	3.76E-06	7.09E-06	4.70E-07	4.17E-06	7.93E-06	5.68E-07	4.77E-06	9.34E-06	6.02E-07	5.17E-06	1.00E-05	4.71E-07	4.14E-06	7.77E-06
2,927	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.24E-06	1.79E-05	4.24E-07	3.75E-06	7.09E-06	4.70E-07	4.17E-06	7.92E-06	5.68E-07	4.77E-06	9.34E-06	6.01E-07	5.17E-06	1.00E-05	4.71E-07	4.14E-06	7.76E-06
2,928	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.23E-06	1.79E-05	4.24E-07	3.75E-06	7.09E-06	4.70E-07	4.17E-06	7.92E-06	5.68E-07	4.77E-06	9.33E-06	6.01E-07	5.17E-06	1.00E-05	4.71E-07	4.14E-06	7.76E-06
2,929	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.23E-06	1.78E-05	4.24E-07	3.75E-06	7.09E-06	4.70E-07	4.17E-06	7.92E-06	5.67E-07	4.77E-06	9.33E-06	6.01E-07	5.17E-06	9.99E-06	4.71E-07	4.13E-06	7.76E-06
2,930	1.21E-06	1.04E-05	2.00E-05	1.08E-06	9.22E-06	1.78E-05	4.24E-07	3.75E-06	7.09E-06	4.70E-07	4.16E-06	7.92E-06	5.67E-07	4.77E-06	9.33E-06	6.01E-07	5.17E-06	9.99E-06	4.71E-07	4.13E-06	7.76E-06
2,931	1.20E-06	1.03E-05	2.00E-05	1.08E-06	9.22E-06	1.78E-05	4.24E-07	3.75E-06	7.08E-06	4.70E-07	4.16E-06	7.92E-06	5.67E-07	4.76E-06	9.33E-06	6.01E-07	5.17E-06	9.99E-06	4.71E-07	4.13E-06	7.76E-06
2,932	1.20E-06	1.03E-05	2.00E-05	1.08E-06	9.22E-06	1.78E-05	4.24E-07	3.75E-06	7.08E-06	4.70E-07	4.16E-06	7.92E-06	5.67E-07	4.76E-06	9.33E-06	6.01E-07	5.16E-06	9.99E-06	4.70E-07	4.13E-06	7.76E-06
2,933	1.20E-06	1.03E-05	2.00E-05	1.08E-06	9.22E-06	1.78E-05	4.24E-07	3.75E-06	7.08E-06	4.69E-07	4.16E-06	7.92E-06	5.66E-07	4.76E-06	9.33E-06	6.01E-07	5.16E-06	9.99E-06	4.70E-07	4.13E-06	7.76E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,954	1.20E-06	1.02E-05	1.98E-05	1.07E-06	9.14E-06	1.77E-05	4.21E-07	3.71E-06	7.02E-06	4.66E-07	4.13E-06	7.87E-06	5.61E-07	4.73E-06	9.24E-06	5.96E-07	5.10E-06	9.92E-06	4.67E-07	4.09E-06	7.68E-06
2,955	1.20E-06	1.02E-05	1.98E-05	1.07E-06	9.13E-06	1.77E-05	4.20E-07	3.71E-06	7.02E-06	4.66E-07	4.13E-06	7.87E-06	5.60E-07	4.73E-06	9.24E-06	5.96E-07	5.10E-06	9.91E-06	4.67E-07	4.09E-06	7.68E-06
2,956	1.20E-06	1.02E-05	1.98E-05	1.07E-06	9.12E-06	1.77E-05	4.20E-07	3.70E-06	7.02E-06	4.66E-07	4.13E-06	7.86E-06	5.60E-07	4.72E-06	9.24E-06	5.96E-07	5.10E-06	9.90E-06	4.67E-07	4.09E-06	7.68E-06
2,957	1.19E-06	1.02E-05	1.98E-05	1.07E-06	9.11E-06	1.77E-05	4.20E-07	3.70E-06	7.02E-06	4.66E-07	4.13E-06	7.86E-06	5.60E-07	4.72E-06	9.24E-06	5.96E-07	5.10E-06	9.89E-06	4.67E-07	4.08E-06	7.68E-06
2,958	1.19E-06	1.02E-05	1.98E-05	1.07E-06	9.11E-06	1.77E-05	4.20E-07	3.70E-06	7.02E-06	4.66E-07	4.13E-06	7.86E-06	5.59E-07	4.72E-06	9.23E-06	5.95E-07	5.09E-06	9.88E-06	4.67E-07	4.08E-06	7.68E-06
2,959	1.19E-06	1.02E-05	1.98E-05	1.07E-06	9.11E-06	1.77E-05	4.20E-07	3.70E-06	7.02E-06	4.65E-07	4.13E-06	7.86E-06	5.59E-07	4.72E-06	9.23E-06	5.95E-07	5.09E-06	9.88E-06	4.66E-07	4.07E-06	7.68E-06
2,960	1.19E-06	1.02E-05	1.98E-05	1.07E-06	9.10E-06	1.76E-05	4.20E-07	3.70E-06	7.02E-06	4.65E-07	4.13E-06	7.86E-06	5.58E-07	4.72E-06	9.23E-06	5.95E-07	5.09E-06	9.88E-06	4.66E-07	4.07E-06	7.67E-06
2,961	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.10E-06	1.76E-05	4.20E-07	3.70E-06	7.01E-06	4.65E-07	4.12E-06	7.86E-06	5.58E-07	4.72E-06	9.23E-06	5.95E-07	5.09E-06	9.86E-06	4.66E-07	4.07E-06	7.67E-06
2,962	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.20E-07	3.70E-06	7.01E-06	4.65E-07	4.12E-06	7.85E-06	5.58E-07	4.72E-06	9.23E-06	5.95E-07	5.08E-06	9.86E-06	4.66E-07	4.07E-06	7.66E-06
2,963	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	7.01E-06	4.64E-07	4.12E-06	7.85E-06	5.58E-07	4.71E-06	9.23E-06	5.95E-07	5.08E-06	9.86E-06	4.66E-07	4.07E-06	7.65E-06
2,964	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	7.00E-06	4.64E-07	4.12E-06	7.85E-06	5.58E-07	4.71E-06	9.23E-06	5.95E-07	5.08E-06	9.86E-06	4.66E-07	4.07E-06	7.65E-06
2,965	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	7.00E-06	4.64E-07	4.12E-06	7.85E-06	5.58E-07	4.71E-06	9.23E-06	5.95E-07	5.07E-06	9.86E-06	4.66E-07	4.07E-06	7.65E-06
2,966	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	7.00E-06	4.64E-07	4.12E-06	7.84E-06	5.58E-07	4.71E-06	9.22E-06	5.95E-07	5.07E-06	9.86E-06	4.66E-07	4.07E-06	7.65E-06
2,967	1.19E-06	1.02E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	6.99E-06	4.64E-07	4.12E-06	7.84E-06	5.57E-07	4.71E-06	9.21E-06	5.94E-07	5.07E-06	9.86E-06	4.66E-07	4.07E-06	7.64E-06
2,968	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	6.99E-06	4.63E-07	4.12E-06	7.84E-06	5.57E-07	4.71E-06	9.21E-06	5.94E-07	5.06E-06	9.85E-06	4.66E-07	4.06E-06	7.64E-06
2,969	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.09E-06	1.76E-05	4.19E-07	3.69E-06	6.99E-06	4.63E-07	4.11E-06	7.84E-06	5.57E-07	4.70E-06	9.21E-06	5.94E-07	5.06E-06	9.85E-06	4.66E-07	4.06E-06	7.64E-06
2,970	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.08E-06	1.76E-05	4.19E-07	3.68E-06	6.98E-06	4.63E-07	4.11E-06	7.84E-06	5.56E-07	4.70E-06	9.21E-06	5.94E-07	5.06E-06	9.85E-06	4.66E-07	4.06E-06	7.63E-06
2,971	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.08E-06	1.76E-05	4.19E-07	3.68E-06	6.98E-06	4.63E-07	4.11E-06	7.84E-06	5.56E-07	4.70E-06	9.21E-06	5.94E-07	5.06E-06	9.85E-06	4.65E-07	4.06E-06	7.63E-06
2,972	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.07E-06	1.76E-05	4.19E-07	3.68E-06	6.98E-06	4.63E-07	4.11E-06	7.84E-06	5.56E-07	4.70E-06	9.21E-06	5.94E-07	5.06E-06	9.85E-06	4.65E-07	4.06E-06	7.63E-06
2,973	1.19E-06	1.01E-05	1.97E-05	1.07E-06	9.07E-06	1.75E-05	4.19E-07	3.68E-06	6.98E-06	4.63E-07	4.11E-06	7.83E-06	5.56E-07	4.69E-06	9.20E-06	5.94E-07	5.06E-06	9.84E-06	4.65E-07	4.06E-06	7.63E-06
2,974	1.18E-06	1.01E-05	1.97E-05	1.07E-06	9.06E-06	1.75E-05	4.19E-07	3.68E-06	6.98E-06	4.63E-07	4.11E-06	7.83E-06	5.56E-07	4.69E-06	9.20E-06	5.93E-07	5.06E-06	9.84E-06	4.65E-07	4.06E-06	7.63E-06
2,975	1.18E-06	1.01E-05	1.97E-05	1.07E-06	9.05E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.63E-07	4.11E-06	7.83E-06	5.56E-07	4.69E-06	9.20E-06	5.93E-07	5.06E-06	9.84E-06	4.65E-07	4.06E-06	7.62E-06
2,976	1.18E-06	1.01E-05	1.97E-05	1.07E-06	9.05E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.63E-07	4.11E-06	7.83E-06	5.55E-07	4.69E-06	9.19E-06	5.93E-07	5.06E-06	9.84E-06	4.64E-07	4.05E-06	7.62E-06
2,977	1.18E-06	1.01E-05	1.97E-05	1.07E-06	9.04E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.62E-07	4.11E-06	7.83E-06	5.55E-07	4.69E-06	9.19E-06	5.93E-07	5.06E-06	9.84E-06	4.64E-07	4.05E-06	7.62E-06
2,978	1.18E-06	1.01E-05	1.97E-05	1.06E-06	9.04E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.62E-07	4.10E-06	7.82E-06	5.55E-07	4.69E-06	9.18E-06	5.93E-07	5.06E-06	9.82E-06	4.64E-07	4.05E-06	7.62E-06
2,979	1.18E-06	1.01E-05	1.97E-05	1.06E-06	9.04E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.62E-07	4.10E-06	7.82E-06	5.55E-07	4.69E-06	9.18E-06	5.93E-07	5.06E-06	9.82E-06	4.64E-07	4.05E-06	7.62E-06
2,980	1.18E-06	1.01E-05	1.97E-05	1.06E-06	9.04E-06	1.75E-05	4.18E-07	3.68E-06	6.97E-06	4.62E-07	4.10E-06	7.81E-06	5.54E-07	4.68E-06	9.17E-06	5.93E-07	5.06E-06	9.81E-06	4.64E-07	4.04E-06	7.61E-06
2,981	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.04E-06	1.75E-05	4.18E-07	3.67E-06	6.97E-06	4.62E-07	4.10E-06	7.81E-06	5.53E-07	4.68E-06	9.17E-06	5.92E-07	5.05E-06	9.81E-06	4.64E-07	4.04E-06	7.61E-06
2,982	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.03E-06	1.75E-05	4.18E-07	3.67E-06	6.97E-06	4.62E-07	4.10E-06	7.81E-06	5.53E-07	4.68E-06	9.17E-06	5.92E-07	5.05E-06	9.80E-06	4.64E-07	4.04E-06	7.61E-06
2,983	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.03E-06	1.75E-05	4.18E-07	3.67E-06	6.97E-06	4.62E-07	4.09E-06	7.81E-06	5.53E-07	4.68E-06	9.17E-06	5.92E-07	5.05E-06	9.80E-06	4.64E-07	4.03E-06	7.61E-06
2,984	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.03E-06	1.75E-05	4.17E-07	3.67E-06	6.97E-06	4.62E-07	4.09E-06	7.80E-06	5.53E-07	4.68E-06	9.16E-06	5.92E-07	5.05E-06	9.80E-06	4.63E-07	4.03E-06	7.61E-06
2,985	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.02E-06	1.75E-05	4.17E-07	3.67E-06	6.96E-06	4.62E-07	4.09E-06	7.80E-06	5.53E-07	4.68E-06	9.16E-06	5.92E-07	5.05E-06	9.80E-06	4.63E-07	4.03E-06	7.60E-06
2,986	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.01E-06	1.75E-05	4.17E-07	3.67E-06	6.96E-06	4.61E-07	4.09E-06	7.80E-06	5.53E-07	4.67E-06	9.16E-06	5.91E-07	5.05E-06	9.80E-06	4.63E-07	4.03E-06	7.60E-06
2,987	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.01E-06	1.75E-05	4.16E-07	3.67E-06	6.95E-06	4.61E-07	4.09E-06	7.80E-06	5.53E-07	4.67E-06	9.15E-06	5.91E-07	5.05E-06	9.80E-06	4.63E-07	4.03E-06	7.60E-06
2,988	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.01E-06	1.75E-05	4.16E-07	3.67E-06	6.95E-06	4.61E-07	4.09E-06	7.80E-06	5.52E-07	4.67E-06	9.15E-06	5.91E-07	5.05E-06	9.79E-06	4.63E-07	4.03E-06	7.60E-06
2,989	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.00E-06	1.74E-05	4.16E-07	3.66E-06	6.95E-06	4.61E-07	4.09E-06	7.80E-06	5.52E-07	4.67E-06	9.14E-06	5.91E-07	5.05E-06	9.79E-06	4.63E-07	4.02E-06	7.60E-06
2,990	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.00E-06	1.74E-05	4.15E-07	3.66E-06	6.94E-06	4.61E-07	4.09E-06	7.80E-06	5.52E-07	4.67E-06	9.14E-06	5.91E-07	5.05E-06	9.79E-06	4.63E-07	4.02E-06	7.60E-06
2,991	1.18E-06	1.01E-05	1.96E-05	1.06E-06	9.00E-06	1.74E-05	4.15E-07	3.66E-06	6.94E-06	4.61E-07	4.08E-06	7.79E-06	5.52E-07	4.67E-06	9.14E-06	5.90E-07	5.05E-06	9.79E-06	4.62E-07	4.02E-06	7.60E-06
2,992	1.18E-06	1.01E-05	1.96E-05	1.06E-06	8.99E-06	1.74E-05	4.15E-07	3.66E-06	6.94E-06	4.61E-07	4.08E-06	7.79E-06	5.52E-07	4.66E-06	9.14E-06	5.90E-07	5.05E-06	9.78E-06	4.62E-07	4.02E-06	7.59E-06
2,993	1.18E-06	1.01E-05	1.96E-05	1.06E-06	8.99E-06	1.74E-05	4.15E-07	3.66E-06	6.94E-06	4.61E-07	4.08E-06	7.78E-06	5.51E-07	4.66E-06	9.13E-06	5.90E-07	5.05E-06	9.78E-06	4.62E-07	4.01E-06	7.59E-06
2,994	1.18E-06	1.00E-05	1.96E-05	1.06E-06	8.98E-06	1.74E-05	4.15E-07	3.66E-06	6.94E-06	4.61E-07	4.08E-06	7.78E-06	5.51E-07	4.66E-06	9.13E-06	5.90E-07	5.05E-06	9.78E-06	4.62E-07	4.01E-06	7.59E-06
2,995	1.18E-06	1.00E-05	1.96E-05	1.06E-06	8.98E-06	1.74E-05	4.14E-07	3.66E-06	6.93E-06	4.61E-07	4.08E-06	7.78E-06	5.51E-07	4.66E-06	9.13E-06	5.90E-07	5.04E-06	9.78E-06	4.62E-07	4.01E-06	7.59E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,016	1.17E-06	9.98E-06	1.95E-05	1.05E-06	8.90E-06	1.72E-05	4.12E-07	3.63E-06	6.89E-06	4.58E-07	4.06E-06	7.71E-06	5.48E-07	4.64E-06	9.09E-06	5.86E-07	5.01E-06	9.71E-06	4.58E-07	3.96E-06	7.52E-06
3,017	1.17E-06	9.97E-06	1.94E-05	1.05E-06	8.90E-06	1.72E-05	4.12E-07	3.63E-06	6.89E-06	4.58E-07	4.05E-06	7.71E-06	5.48E-07	4.64E-06	9.09E-06	5.85E-07	5.01E-06	9.70E-06	4.58E-07	3.96E-06	7.51E-06
3,018	1.17E-06	9.97E-06	1.94E-05	1.05E-06	8.89E-06	1.72E-05	4.12E-07	3.63E-06	6.89E-06	4.57E-07	4.05E-06	7.71E-06	5.48E-07	4.63E-06	9.09E-06	5.85E-07	5.00E-06	9.70E-06	4.57E-07	3.96E-06	7.51E-06
3,019	1.17E-06	9.97E-06	1.94E-05	1.05E-06	8.89E-06	1.72E-05	4.11E-07	3.63E-06	6.89E-06	4.57E-07	4.05E-06	7.70E-06	5.48E-07	4.63E-06	9.09E-06	5.85E-07	5.00E-06	9.70E-06	4.57E-07	3.96E-06	7.50E-06
3,020	1.17E-06	9.97E-06	1.94E-05	1.05E-06	8.88E-06	1.72E-05	4.11E-07	3.63E-06	6.89E-06	4.57E-07	4.05E-06	7.70E-06	5.48E-07	4.63E-06	9.09E-06	5.85E-07	5.00E-06	9.69E-06	4.57E-07	3.96E-06	7.50E-06
3,021	1.17E-06	9.96E-06	1.94E-05	1.05E-06	8.87E-06	1.72E-05	4.11E-07	3.63E-06	6.88E-06	4.57E-07	4.05E-06	7.70E-06	5.48E-07	4.63E-06	9.09E-06	5.85E-07	5.00E-06	9.69E-06	4.57E-07	3.95E-06	7.50E-06
3,022	1.17E-06	9.96E-06	1.94E-05	1.05E-06	8.87E-06	1.72E-05	4.11E-07	3.63E-06	6.88E-06	4.56E-07	4.05E-06	7.70E-06	5.48E-07	4.62E-06	9.09E-06	5.85E-07	5.00E-06	9.69E-06	4.57E-07	3.95E-06	7.50E-06
3,023	1.17E-06	9.96E-06	1.94E-05	1.05E-06	8.87E-06	1.72E-05	4.11E-07	3.63E-06	6.88E-06	4.56E-07	4.04E-06	7.70E-06	5.48E-07	4.62E-06	9.08E-06	5.85E-07	5.00E-06	9.68E-06	4.56E-07	3.95E-06	7.49E-06
3,024	1.17E-06	9.96E-06	1.94E-05	1.05E-06	8.87E-06	1.72E-05	4.11E-07	3.63E-06	6.88E-06	4.56E-07	4.04E-06	7.70E-06	5.47E-07	4.62E-06	9.08E-06	5.85E-07	4.99E-06	9.68E-06	4.56E-07	3.95E-06	7.49E-06
3,025	1.17E-06	9.94E-06	1.94E-05	1.05E-06	8.86E-06	1.72E-05	4.11E-07	3.63E-06	6.87E-06	4.56E-07	4.04E-06	7.69E-06	5.47E-07	4.62E-06	9.08E-06	5.85E-07	4.99E-06	9.67E-06	4.56E-07	3.95E-06	7.49E-06
3,026	1.17E-06	9.94E-06	1.94E-05	1.05E-06	8.85E-06	1.72E-05	4.11E-07	3.62E-06	6.87E-06	4.56E-07	4.04E-06	7.69E-06	5.47E-07	4.62E-06	9.08E-06	5.84E-07	4.99E-06	9.67E-06	4.56E-07	3.94E-06	7.49E-06
3,027	1.17E-06	9.93E-06	1.94E-05	1.05E-06	8.85E-06	1.71E-05	4.10E-07	3.62E-06	6.87E-06	4.56E-07	4.04E-06	7.69E-06	5.47E-07	4.62E-06	9.08E-06	5.84E-07	4.99E-06	9.67E-06	4.56E-07	3.94E-06	7.49E-06
3,028	1.16E-06	9.93E-06	1.94E-05	1.05E-06	8.85E-06	1.71E-05	4.10E-07	3.62E-06	6.86E-06	4.55E-07	4.04E-06	7.69E-06	5.47E-07	4.62E-06	9.07E-06	5.84E-07	4.99E-06	9.67E-06	4.55E-07	3.94E-06	7.49E-06
3,029	1.16E-06	9.93E-06	1.94E-05	1.05E-06	8.85E-06	1.71E-05	4.10E-07	3.62E-06	6.86E-06	4.55E-07	4.03E-06	7.69E-06	5.46E-07	4.62E-06	9.07E-06	5.84E-07	4.99E-06	9.66E-06	4.55E-07	3.94E-06	7.49E-06
3,030	1.16E-06	9.92E-06	1.93E-05	1.05E-06	8.84E-06	1.71E-05	4.10E-07	3.62E-06	6.86E-06	4.55E-07	4.03E-06	7.68E-06	5.46E-07	4.62E-06	9.06E-06	5.83E-07	4.99E-06	9.66E-06	4.55E-07	3.94E-06	7.48E-06
3,031	1.16E-06	9.92E-06	1.93E-05	1.05E-06	8.84E-06	1.71E-05	4.10E-07	3.62E-06	6.86E-06	4.55E-07	4.03E-06	7.68E-06	5.45E-07	4.62E-06	9.06E-06	5.83E-07	4.99E-06	9.66E-06	4.55E-07	3.94E-06	7.48E-06
3,032	1.16E-06	9.91E-06	1.93E-05	1.05E-06	8.84E-06	1.71E-05	4.09E-07	3.62E-06	6.86E-06	4.54E-07	4.03E-06	7.68E-06	5.45E-07	4.61E-06	9.06E-06	5.83E-07	4.99E-06	9.65E-06	4.55E-07	3.94E-06	7.48E-06
3,033	1.16E-06	9.91E-06	1.93E-05	1.05E-06	8.84E-06	1.71E-05	4.09E-07	3.62E-06	6.86E-06	4.54E-07	4.03E-06	7.67E-06	5.45E-07	4.61E-06	9.06E-06	5.83E-07	4.98E-06	9.65E-06	4.55E-07	3.93E-06	7.47E-06
3,034	1.16E-06	9.91E-06	1.93E-05	1.04E-06	8.83E-06	1.71E-05	4.09E-07	3.62E-06	6.86E-06	4.54E-07	4.03E-06	7.67E-06	5.45E-07	4.61E-06	9.06E-06	5.83E-07	4.98E-06	9.65E-06	4.55E-07	3.93E-06	7.47E-06
3,035	1.16E-06	9.90E-06	1.93E-05	1.04E-06	8.83E-06	1.71E-05	4.09E-07	3.62E-06	6.86E-06	4.54E-07	4.03E-06	7.67E-06	5.45E-07	4.60E-06	9.06E-06	5.83E-07	4.98E-06	9.64E-06	4.54E-07	3.92E-06	7.47E-06
3,036	1.16E-06	9.90E-06	1.93E-05	1.04E-06	8.82E-06	1.71E-05	4.09E-07	3.62E-06	6.85E-06	4.54E-07	4.03E-06	7.66E-06	5.44E-07	4.60E-06	9.05E-06	5.82E-07	4.98E-06	9.63E-06	4.54E-07	3.92E-06	7.46E-06
3,037	1.16E-06	9.90E-06	1.93E-05	1.04E-06	8.82E-06	1.71E-05	4.09E-07	3.62E-06	6.85E-06	4.54E-07	4.02E-06	7.66E-06	5.44E-07	4.60E-06	9.05E-06	5.82E-07	4.98E-06	9.62E-06	4.54E-07	3.92E-06	7.46E-06
3,038	1.16E-06	9.89E-06	1.93E-05	1.04E-06	8.82E-06	1.71E-05	4.08E-07	3.61E-06	6.85E-06	4.54E-07	4.02E-06	7.66E-06	5.44E-07	4.60E-06	9.05E-06	5.82E-07	4.98E-06	9.62E-06	4.54E-07	3.92E-06	7.46E-06
3,039	1.16E-06	9.89E-06	1.93E-05	1.04E-06	8.81E-06	1.71E-05	4.08E-07	3.61E-06	6.85E-06	4.54E-07	4.02E-06	7.66E-06	5.44E-07	4.60E-06	9.05E-06	5.82E-07	4.98E-06	9.62E-06	4.54E-07	3.92E-06	7.46E-06
3,040	1.16E-06	9.89E-06	1.93E-05	1.04E-06	8.81E-06	1.71E-05	4.08E-07	3.61E-06	6.84E-06	4.53E-07	4.02E-06	7.65E-06	5.44E-07	4.60E-06	9.04E-06	5.82E-07	4.97E-06	9.62E-06	4.54E-07	3.90E-06	7.46E-06
3,041	1.16E-06	9.88E-06	1.93E-05	1.04E-06	8.81E-06	1.71E-05	4.08E-07	3.61E-06	6.84E-06	4.53E-07	4.01E-06	7.65E-06	5.44E-07	4.60E-06	9.04E-06	5.81E-07	4.97E-06	9.61E-06	4.54E-07	3.90E-06	7.46E-06
3,042	1.16E-06	9.88E-06	1.93E-05	1.04E-06	8.80E-06	1.71E-05	4.08E-07	3.61E-06	6.84E-06	4.53E-07	4.01E-06	7.65E-06	5.43E-07	4.60E-06	9.04E-06	5.81E-07	4.97E-06	9.61E-06	4.54E-07	3.90E-06	7.46E-06
3,043	1.16E-06	9.88E-06	1.93E-05	1.04E-06	8.79E-06	1.71E-05	4.08E-07	3.60E-06	6.83E-06	4.53E-07	4.01E-06	7.65E-06	5.43E-07	4.59E-06	9.04E-06	5.81E-07	4.97E-06	9.61E-06	4.54E-07	3.90E-06	7.45E-06
3,044	1.16E-06	9.88E-06	1.92E-05	1.04E-06	8.79E-06	1.71E-05	4.08E-07	3.60E-06	6.83E-06	4.53E-07	4.01E-06	7.64E-06	5.43E-07	4.59E-06	9.04E-06	5.81E-07	4.97E-06	9.60E-06	4.54E-07	3.90E-06	7.45E-06
3,045	1.16E-06	9.87E-06	1.92E-05	1.04E-06	8.79E-06	1.71E-05	4.08E-07	3.60E-06	6.83E-06	4.53E-07	4.01E-06	7.64E-06	5.43E-07	4.59E-06	9.03E-06	5.81E-07	4.97E-06	9.60E-06	4.53E-07	3.90E-06	7.45E-06
3,046	1.16E-06	9.87E-06	1.92E-05	1.04E-06	8.78E-06	1.70E-05	4.07E-07	3.60E-06	6.83E-06	4.52E-07	4.00E-06	7.63E-06	5.43E-07	4.59E-06	9.03E-06	5.81E-07	4.97E-06	9.60E-06	4.53E-07	3.90E-06	7.45E-06
3,047	1.16E-06	9.87E-06	1.92E-05	1.04E-06	8.77E-06	1.70E-05	4.07E-07	3.60E-06	6.83E-06	4.52E-07	4.00E-06	7.63E-06	5.43E-07	4.59E-06	9.03E-06	5.81E-07	4.97E-06	9.60E-06	4.53E-07	3.90E-06	7.45E-06
3,048	1.16E-06	9.86E-06	1.92E-05	1.03E-06	8.77E-06	1.70E-05	4.07E-07	3.60E-06	6.82E-06	4.52E-07	4.00E-06	7.63E-06	5.43E-07	4.59E-06	9.02E-06	5.80E-07	4.96E-06	9.60E-06	4.53E-07	3.90E-06	7.45E-06
3,049	1.16E-06	9.86E-06	1.92E-05	1.03E-06	8.76E-06	1.70E-05	4.07E-07	3.60E-06	6.82E-06	4.52E-07	4.00E-06	7.62E-06	5.43E-07	4.58E-06	9.02E-06	5.80E-07	4.96E-06	9.59E-06	4.52E-07	3.90E-06	7.45E-06
3,050	1.16E-06	9.86E-06	1.92E-05	1.03E-06	8.76E-06	1.70E-05	4.07E-07	3.60E-06	6.82E-06	4.52E-07	4.00E-06	7.62E-06	5.42E-07	4.58E-06	9.02E-06	5.79E-07	4.96E-06	9.59E-06	4.52E-07	3.90E-06	7.44E-06
3,051	1.15E-06	9.86E-06	1.92E-05	1.03E-06	8.76E-06	1.70E-05	4.07E-07	3.59E-06	6.81E-06	4.52E-07	4.00E-06	7.62E-06	5.42E-07	4.58E-06	9.02E-06	5.79E-07	4.96E-06	9.59E-06	4.52E-07	3.89E-06	7.44E-06
3,052	1.15E-06	9.85E-06	1.92E-05	1.03E-06	8.76E-06	1.70E-05	4.07E-07	3.59E-06	6.81E-06	4.52E-07	4.00E-06	7.62E-06	5.42E-07	4.58E-06	9.02E-06	5.79E-07	4.95E-06	9.59E-06	4.52E-07	3.89E-06	7.44E-06
3,053	1.15E-06	9.85E-06	1.92E-05	1.03E-06	8.75E-06	1.70E-05	4.06E-07	3.59E-06	6.81E-06	4.52E-07	4.00E-06	7.61E-06	5.42E-07	4.58E-06	9.02E-06	5.79E-07	4.95E-06	9.59E-06	4.52E-07	3.89E-06	7.44E-06
3,054	1.15E-06	9.85E-06	1.92E-05	1.03E-06	8.75E-06	1.70E-05	4.06E-07	3.59E-06	6.80E-06	4.51E-07	4.00E-06	7.61E-06	5.42E-07	4.58E-06	9.01E-06	5.79E-07	4.95E-06	9.58E-06	4.52E-07	3.88E-06	7.44E-06
3,055	1.15E-06	9.85E-06	1.92E-05	1.03E-06	8.74E-06	1.70E-05	4.06E-07	3.59E-06	6.80E-06	4.51E-07	3.99E-06	7.61E-06	5.42E-07	4.57E-06	9.00E-06	5.79E-07	4.94E-06	9.58E-06	4.51E-07	3.88E-06	7.43E-06
3,056	1.15E-06	9.84E-06	1.92E-05	1.03E-06	8.74E-06	1.70E-05	4.06E-07	3.59E-06	6.80E-06	4.51E-07	3.99E-06	7.60E-06	5.42E-07	4.57E-06	9.00E-06	5.78E-07	4.94E-06	9.58E-06	4.51E-07	3.88E-06	7.43E-06
3,057	1.15E-06	9.84E-06	1.92E-05	1.03E-06	8.73E-06	1.69E-05	4.06E-07	3.59E-06	6.79E-06	4.51E-07	3.99E-06	7.60E-06	5.42E-07	4.57E-06	9.00E-06	5.78E-07	4.94E-06	9.58E-06	4.51E-07	3.88E-06	7.43E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,078	1.14E-06	9.75E-06	1.90E-05	1.02E-06	8.69E-06	1.68E-05	4.04E-07	3.56E-06	6.75E-06	4.47E-07	3.95E-06	7.56E-06	5.38E-07	4.55E-06	8.95E-06	5.76E-07	4.90E-06	9.51E-06	4.47E-07	3.86E-06	7.39E-06
3,079	1.14E-06	9.75E-06	1.90E-05	1.02E-06	8.69E-06	1.68E-05	4.04E-07	3.56E-06	6.75E-06	4.47E-07	3.95E-06	7.56E-06	5.38E-07	4.55E-06	8.95E-06	5.76E-07	4.90E-06	9.51E-06	4.47E-07	3.86E-06	7.39E-06
3,080	1.14E-06	9.74E-06	1.90E-05	1.02E-06	8.69E-06	1.68E-05	4.03E-07	3.56E-06	6.75E-06	4.47E-07	3.95E-06	7.56E-06	5.38E-07	4.55E-06	8.95E-06	5.76E-07	4.90E-06	9.51E-06	4.47E-07	3.86E-06	7.38E-06
3,081	1.14E-06	9.73E-06	1.90E-05	1.02E-06	8.69E-06	1.68E-05	4.03E-07	3.55E-06	6.74E-06	4.47E-07	3.95E-06	7.55E-06	5.38E-07	4.55E-06	8.95E-06	5.76E-07	4.90E-06	9.50E-06	4.47E-07	3.86E-06	7.38E-06
3,082	1.14E-06	9.73E-06	1.90E-05	1.02E-06	8.68E-06	1.68E-05	4.03E-07	3.55E-06	6.74E-06	4.46E-07	3.95E-06	7.55E-06	5.38E-07	4.54E-06	8.94E-06	5.75E-07	4.90E-06	9.50E-06	4.47E-07	3.86E-06	7.38E-06
3,083	1.14E-06	9.73E-06	1.90E-05	1.02E-06	8.68E-06	1.68E-05	4.03E-07	3.55E-06	6.74E-06	4.46E-07	3.95E-06	7.54E-06	5.38E-07	4.54E-06	8.94E-06	5.75E-07	4.89E-06	9.50E-06	4.47E-07	3.86E-06	7.38E-06
3,084	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.68E-06	1.68E-05	4.03E-07	3.55E-06	6.74E-06	4.46E-07	3.95E-06	7.54E-06	5.38E-07	4.54E-06	8.93E-06	5.75E-07	4.89E-06	9.50E-06	4.47E-07	3.86E-06	7.38E-06
3,085	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.68E-06	1.68E-05	4.03E-07	3.55E-06	6.73E-06	4.46E-07	3.94E-06	7.54E-06	5.37E-07	4.54E-06	8.93E-06	5.74E-07	4.89E-06	9.50E-06	4.47E-07	3.86E-06	7.37E-06
3,086	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.67E-06	1.68E-05	4.03E-07	3.55E-06	6.73E-06	4.45E-07	3.94E-06	7.54E-06	5.37E-07	4.54E-06	8.93E-06	5.74E-07	4.89E-06	9.49E-06	4.47E-07	3.86E-06	7.37E-06
3,087	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.66E-06	1.68E-05	4.03E-07	3.55E-06	6.73E-06	4.45E-07	3.94E-06	7.54E-06	5.37E-07	4.54E-06	8.93E-06	5.74E-07	4.89E-06	9.49E-06	4.47E-07	3.85E-06	7.37E-06
3,088	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.66E-06	1.68E-05	4.03E-07	3.54E-06	6.72E-06	4.45E-07	3.94E-06	7.54E-06	5.37E-07	4.53E-06	8.93E-06	5.74E-07	4.89E-06	9.49E-06	4.46E-07	3.85E-06	7.37E-06
3,089	1.14E-06	9.72E-06	1.90E-05	1.02E-06	8.66E-06	1.68E-05	4.03E-07	3.54E-06	6.72E-06	4.45E-07	3.94E-06	7.53E-06	5.36E-07	4.53E-06	8.92E-06	5.74E-07	4.89E-06	9.49E-06	4.46E-07	3.85E-06	7.37E-06
3,090	1.14E-06	9.71E-06	1.89E-05	1.02E-06	8.65E-06	1.68E-05	4.03E-07	3.54E-06	6.72E-06	4.45E-07	3.94E-06	7.53E-06	5.36E-07	4.53E-06	8.92E-06	5.74E-07	4.89E-06	9.48E-06	4.46E-07	3.85E-06	7.37E-06
3,091	1.14E-06	9.70E-06	1.89E-05	1.02E-06	8.65E-06	1.68E-05	4.02E-07	3.54E-06	6.72E-06	4.45E-07	3.94E-06	7.53E-06	5.36E-07	4.53E-06	8.92E-06	5.74E-07	4.89E-06	9.48E-06	4.46E-07	3.85E-06	7.36E-06
3,092	1.14E-06	9.70E-06	1.89E-05	1.02E-06	8.64E-06	1.68E-05	4.02E-07	3.54E-06	6.72E-06	4.45E-07	3.94E-06	7.53E-06	5.35E-07	4.52E-06	8.92E-06	5.74E-07	4.89E-06	9.48E-06	4.46E-07	3.85E-06	7.36E-06
3,093	1.14E-06	9.70E-06	1.89E-05	1.02E-06	8.64E-06	1.67E-05	4.02E-07	3.54E-06	6.72E-06	4.44E-07	3.94E-06	7.53E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.88E-06	9.48E-06	4.46E-07	3.85E-06	7.36E-06
3,094	1.13E-06	9.70E-06	1.89E-05	1.02E-06	8.64E-06	1.67E-05	4.02E-07	3.54E-06	6.71E-06	4.44E-07	3.94E-06	7.53E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.88E-06	9.47E-06	4.46E-07	3.85E-06	7.36E-06
3,095	1.13E-06	9.70E-06	1.89E-05	1.02E-06	8.64E-06	1.67E-05	4.02E-07	3.54E-06	6.71E-06	4.44E-07	3.94E-06	7.52E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.88E-06	9.47E-06	4.46E-07	3.85E-06	7.36E-06
3,096	1.13E-06	9.69E-06	1.89E-05	1.02E-06	8.64E-06	1.67E-05	4.02E-07	3.54E-06	6.71E-06	4.44E-07	3.94E-06	7.52E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.88E-06	9.47E-06	4.45E-07	3.85E-06	7.36E-06
3,097	1.13E-06	9.69E-06	1.89E-05	1.02E-06	8.64E-06	1.67E-05	4.02E-07	3.53E-06	6.71E-06	4.43E-07	3.93E-06	7.52E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.87E-06	9.47E-06	4.45E-07	3.85E-06	7.35E-06
3,098	1.13E-06	9.68E-06	1.89E-05	1.02E-06	8.63E-06	1.67E-05	4.01E-07	3.53E-06	6.71E-06	4.43E-07	3.93E-06	7.52E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.87E-06	9.47E-06	4.45E-07	3.84E-06	7.35E-06
3,099	1.13E-06	9.68E-06	1.89E-05	1.02E-06	8.63E-06	1.67E-05	4.01E-07	3.53E-06	6.71E-06	4.43E-07	3.93E-06	7.51E-06	5.35E-07	4.52E-06	8.91E-06	5.73E-07	4.87E-06	9.47E-06	4.45E-07	3.84E-06	7.35E-06
3,100	1.13E-06	9.68E-06	1.89E-05	1.02E-06	8.63E-06	1.67E-05	4.01E-07	3.53E-06	6.70E-06	4.43E-07	3.93E-06	7.51E-06	5.34E-07	4.52E-06	8.91E-06	5.72E-07	4.87E-06	9.45E-06	4.45E-07	3.84E-06	7.35E-06
3,101	1.13E-06	9.67E-06	1.89E-05	1.02E-06	8.63E-06	1.67E-05	4.01E-07	3.53E-06	6.70E-06	4.43E-07	3.93E-06	7.51E-06	5.34E-07	4.51E-06	8.90E-06	5.72E-07	4.87E-06	9.45E-06	4.45E-07	3.84E-06	7.35E-06
3,102	1.13E-06	9.66E-06	1.89E-05	1.02E-06	8.63E-06	1.67E-05	4.01E-07	3.53E-06	6.70E-06	4.43E-07	3.93E-06	7.50E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.87E-06	9.43E-06	4.45E-07	3.84E-06	7.35E-06
3,103	1.13E-06	9.66E-06	1.89E-05	1.02E-06	8.62E-06	1.66E-05	4.01E-07	3.53E-06	6.70E-06	4.42E-07	3.93E-06	7.50E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.86E-06	9.43E-06	4.45E-07	3.84E-06	7.34E-06
3,104	1.13E-06	9.66E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.01E-07	3.53E-06	6.69E-06	4.42E-07	3.93E-06	7.50E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.86E-06	9.41E-06	4.45E-07	3.84E-06	7.34E-06
3,105	1.13E-06	9.66E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.01E-07	3.52E-06	6.69E-06	4.42E-07	3.93E-06	7.49E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.86E-06	9.41E-06	4.45E-07	3.84E-06	7.34E-06
3,106	1.13E-06	9.66E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.01E-07	3.52E-06	6.69E-06	4.42E-07	3.93E-06	7.49E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.86E-06	9.40E-06	4.45E-07	3.83E-06	7.34E-06
3,107	1.13E-06	9.66E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.00E-07	3.52E-06	6.69E-06	4.41E-07	3.93E-06	7.49E-06	5.33E-07	4.51E-06	8.90E-06	5.71E-07	4.86E-06	9.40E-06	4.44E-07	3.83E-06	7.34E-06
3,108	1.13E-06	9.66E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.00E-07	3.52E-06	6.68E-06	4.41E-07	3.93E-06	7.49E-06	5.33E-07	4.51E-06	8.89E-06	5.70E-07	4.86E-06	9.40E-06	4.44E-07	3.83E-06	7.33E-06
3,109	1.13E-06	9.65E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.00E-07	3.52E-06	6.68E-06	4.41E-07	3.93E-06	7.49E-06	5.33E-07	4.50E-06	8.89E-06	5.70E-07	4.86E-06	9.40E-06	4.44E-07	3.83E-06	7.32E-06
3,110	1.13E-06	9.64E-06	1.88E-05	1.02E-06	8.62E-06	1.66E-05	4.00E-07	3.52E-06	6.68E-06	4.41E-07	3.92E-06	7.48E-06	5.32E-07	4.50E-06	8.89E-06	5.70E-07	4.85E-06	9.39E-06	4.44E-07	3.83E-06	7.32E-06
3,111	1.12E-06	9.64E-06	1.88E-05	1.01E-06	8.61E-06	1.66E-05	4.00E-07	3.52E-06	6.68E-06	4.41E-07	3.92E-06	7.48E-06	5.32E-07	4.50E-06	8.89E-06	5.70E-07	4.85E-06	9.39E-06	4.43E-07	3.83E-06	7.32E-06
3,112	1.12E-06	9.64E-06	1.88E-05	1.01E-06	8.61E-06	1.66E-05	4.00E-07	3.52E-06	6.68E-06	4.41E-07	3.92E-06	7.48E-06	5.32E-07	4.50E-06	8.89E-06	5.70E-07	4.85E-06	9.38E-06	4.43E-07	3.83E-06	7.32E-06
3,113	1.12E-06	9.63E-06	1.88E-05	1.01E-06	8.61E-06	1.66E-05	4.00E-07	3.51E-06	6.68E-06	4.41E-07	3.92E-06	7.48E-06	5.32E-07	4.50E-06	8.88E-06	5.69E-07	4.85E-06	9.38E-06	4.43E-07	3.83E-06	7.31E-06
3,114	1.12E-06	9.62E-06	1.88E-05	1.01E-06	8.61E-06	1.66E-05	4.00E-07	3.51E-06	6.68E-06	4.41E-07	3.92E-06	7.47E-06	5.32E-07	4.49E-06	8.87E-06	5.69E-07	4.85E-06	9.37E-06	4.43E-07	3.83E-06	7.31E-06
3,115	1.12E-06	9.62E-06	1.88E-05	1.01E-06	8.60E-06	1.66E-05	4.00E-07	3.51E-06	6.68E-06	4.41E-07	3.92E-06	7.47E-06	5.32E-07	4.49E-06	8.86E-06	5.69E-07	4.85E-06	9.37E-06	4.43E-07	3.82E-06	7.31E-06
3,116	1.12E-06	9.62E-06	1.88E-05	1.01E-06	8.60E-06	1.66E-05	3.99E-07	3.51E-06	6.67E-06	4.40E-07	3.92E-06	7.47E-06	5.32E-07	4.49E-06	8.86E-06	5.68E-07	4.84E-06	9.37E-06	4.43E-07	3.82E-06	7.30E-06
3,117	1.12E-06	9.60E-06	1.88E-05	1.01E-06	8.60E-06	1.66E-05	3.99E-07	3.51E-06	6.67E-06	4.40E-07	3.92E-06	7.47E-06	5.31E-07	4.49E-06	8.85E-06	5.68E-07	4.84E-06	9.36E-06	4.43E-07	3.82E-06	7.29E-06
3,118	1.12E-06	9.59E-06	1.88E-05	1.01E-06	8.60E-06	1.65E-05	3.99E-07	3.50E-06	6.66E-06	4.40E-07	3.91E-06	7.47E-06	5.31E-07	4.49E-06	8.85E-06	5.68E-07	4.84E-06	9.36E-06	4.43E-07	3.82E-06	7.29E-06
3,119	1.12E-06	9.59E-06	1.88E-05	1.01E-06	8.60E-06	1.65E-05	3.99E-07	3.50E-06	6.66E-06	4.40E-07	3.91E-06	7.46E-06	5.31E-07	4.48E-06	8.84E-06	5.68E-07	4.84E-06	9.36E-06	4.43E-07	3.82E-06	7.29E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,140	1.11E-06	9.54E-06	1.87E-05	9.99E-07	8.53E-06	1.64E-05	3.97E-07	3.47E-06	6.62E-06	4.36E-07	3.89E-06	7.42E-06	5.27E-07	4.47E-06	8.76E-06	5.63E-07	4.81E-06	9.29E-06	4.40E-07	3.79E-06	7.24E-06
3,141	1.11E-06	9.54E-06	1.87E-05	9.99E-07	8.53E-06	1.64E-05	3.96E-07	3.47E-06	6.61E-06	4.36E-07	3.89E-06	7.42E-06	5.27E-07	4.47E-06	8.76E-06	5.62E-07	4.81E-06	9.29E-06	4.40E-07	3.79E-06	7.24E-06
3,142	1.11E-06	9.53E-06	1.86E-05	9.98E-07	8.52E-06	1.64E-05	3.96E-07	3.47E-06	6.61E-06	4.36E-07	3.89E-06	7.41E-06	5.27E-07	4.46E-06	8.76E-06	5.62E-07	4.81E-06	9.28E-06	4.40E-07	3.79E-06	7.24E-06
3,143	1.11E-06	9.53E-06	1.86E-05	9.98E-07	8.52E-06	1.64E-05	3.96E-07	3.47E-06	6.61E-06	4.35E-07	3.89E-06	7.41E-06	5.26E-07	4.46E-06	8.76E-06	5.62E-07	4.80E-06	9.27E-06	4.40E-07	3.79E-06	7.24E-06
3,144	1.11E-06	9.52E-06	1.86E-05	9.96E-07	8.52E-06	1.64E-05	3.96E-07	3.47E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.26E-07	4.46E-06	8.75E-06	5.61E-07	4.80E-06	9.26E-06	4.39E-07	3.79E-06	7.24E-06
3,145	1.11E-06	9.51E-06	1.86E-05	9.96E-07	8.51E-06	1.64E-05	3.96E-07	3.47E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.26E-07	4.46E-06	8.75E-06	5.61E-07	4.80E-06	9.26E-06	4.39E-07	3.79E-06	7.22E-06
3,146	1.11E-06	9.51E-06	1.86E-05	9.96E-07	8.51E-06	1.64E-05	3.96E-07	3.46E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.26E-07	4.46E-06	8.75E-06	5.61E-07	4.80E-06	9.25E-06	4.39E-07	3.79E-06	7.22E-06
3,147	1.11E-06	9.51E-06	1.86E-05	9.95E-07	8.51E-06	1.64E-05	3.96E-07	3.46E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.25E-07	4.46E-06	8.74E-06	5.61E-07	4.80E-06	9.25E-06	4.39E-07	3.78E-06	7.22E-06
3,148	1.11E-06	9.51E-06	1.86E-05	9.95E-07	8.51E-06	1.64E-05	3.96E-07	3.46E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.25E-07	4.46E-06	8.73E-06	5.61E-07	4.80E-06	9.24E-06	4.38E-07	3.78E-06	7.22E-06
3,149	1.11E-06	9.51E-06	1.86E-05	9.95E-07	8.50E-06	1.64E-05	3.96E-07	3.46E-06	6.61E-06	4.35E-07	3.88E-06	7.41E-06	5.25E-07	4.45E-06	8.72E-06	5.61E-07	4.80E-06	9.24E-06	4.38E-07	3.78E-06	7.22E-06
3,150	1.11E-06	9.51E-06	1.86E-05	9.95E-07	8.50E-06	1.64E-05	3.95E-07	3.45E-06	6.60E-06	4.35E-07	3.88E-06	7.40E-06	5.25E-07	4.45E-06	8.72E-06	5.61E-07	4.80E-06	9.24E-06	4.38E-07	3.78E-06	7.22E-06
3,151	1.11E-06	9.50E-06	1.86E-05	9.94E-07	8.49E-06	1.64E-05	3.95E-07	3.45E-06	6.60E-06	4.35E-07	3.87E-06	7.40E-06	5.25E-07	4.45E-06	8.72E-06	5.61E-07	4.79E-06	9.23E-06	4.38E-07	3.78E-06	7.22E-06
3,152	1.11E-06	9.50E-06	1.86E-05	9.93E-07	8.49E-06	1.64E-05	3.95E-07	3.45E-06	6.60E-06	4.34E-07	3.87E-06	7.40E-06	5.25E-07	4.45E-06	8.71E-06	5.61E-07	4.79E-06	9.23E-06	4.38E-07	3.78E-06	7.21E-06
3,153	1.11E-06	9.50E-06	1.86E-05	9.93E-07	8.49E-06	1.63E-05	3.95E-07	3.45E-06	6.60E-06	4.34E-07	3.87E-06	7.40E-06	5.25E-07	4.45E-06	8.71E-06	5.60E-07	4.79E-06	9.23E-06	4.38E-07	3.78E-06	7.21E-06
3,154	1.11E-06	9.49E-06	1.86E-05	9.93E-07	8.48E-06	1.63E-05	3.95E-07	3.45E-06	6.60E-06	4.34E-07	3.87E-06	7.39E-06	5.24E-07	4.45E-06	8.71E-06	5.60E-07	4.79E-06	9.23E-06	4.38E-07	3.78E-06	7.20E-06
3,155	1.11E-06	9.48E-06	1.86E-05	9.93E-07	8.48E-06	1.63E-05	3.95E-07	3.45E-06	6.59E-06	4.34E-07	3.87E-06	7.39E-06	5.24E-07	4.45E-06	8.71E-06	5.60E-07	4.79E-06	9.23E-06	4.38E-07	3.78E-06	7.20E-06
3,156	1.11E-06	9.48E-06	1.86E-05	9.93E-07	8.47E-06	1.63E-05	3.95E-07	3.45E-06	6.59E-06	4.34E-07	3.87E-06	7.38E-06	5.23E-07	4.45E-06	8.71E-06	5.60E-07	4.78E-06	9.23E-06	4.38E-07	3.77E-06	7.19E-06
3,157	1.11E-06	9.47E-06	1.86E-05	9.93E-07	8.47E-06	1.63E-05	3.94E-07	3.44E-06	6.59E-06	4.34E-07	3.87E-06	7.38E-06	5.23E-07	4.45E-06	8.70E-06	5.60E-07	4.78E-06	9.22E-06	4.38E-07	3.77E-06	7.19E-06
3,158	1.10E-06	9.46E-06	1.86E-05	9.92E-07	8.47E-06	1.63E-05	3.94E-07	3.44E-06	6.59E-06	4.34E-07	3.87E-06	7.38E-06	5.23E-07	4.44E-06	8.70E-06	5.60E-07	4.78E-06	9.22E-06	4.37E-07	3.77E-06	7.19E-06
3,159	1.10E-06	9.46E-06	1.85E-05	9.92E-07	8.47E-06	1.63E-05	3.94E-07	3.44E-06	6.58E-06	4.34E-07	3.87E-06	7.38E-06	5.23E-07	4.44E-06	8.70E-06	5.60E-07	4.78E-06	9.21E-06	4.37E-07	3.77E-06	7.19E-06
3,160	1.10E-06	9.46E-06	1.85E-05	9.92E-07	8.46E-06	1.63E-05	3.94E-07	3.44E-06	6.57E-06	4.33E-07	3.87E-06	7.38E-06	5.23E-07	4.44E-06	8.69E-06	5.60E-07	4.78E-06	9.21E-06	4.37E-07	3.77E-06	7.19E-06
3,161	1.10E-06	9.46E-06	1.85E-05	9.91E-07	8.46E-06	1.63E-05	3.94E-07	3.44E-06	6.57E-06	4.33E-07	3.87E-06	7.38E-06	5.23E-07	4.44E-06	8.69E-06	5.60E-07	4.78E-06	9.20E-06	4.37E-07	3.77E-06	7.19E-06
3,162	1.10E-06	9.46E-06	1.85E-05	9.91E-07	8.46E-06	1.63E-05	3.93E-07	3.44E-06	6.57E-06	4.33E-07	3.86E-06	7.38E-06	5.23E-07	4.44E-06	8.68E-06	5.59E-07	4.78E-06	9.20E-06	4.37E-07	3.77E-06	7.19E-06
3,163	1.10E-06	9.45E-06	1.85E-05	9.90E-07	8.46E-06	1.63E-05	3.93E-07	3.44E-06	6.57E-06	4.33E-07	3.86E-06	7.37E-06	5.23E-07	4.44E-06	8.68E-06	5.59E-07	4.78E-06	9.19E-06	4.37E-07	3.77E-06	7.18E-06
3,164	1.10E-06	9.45E-06	1.85E-05	9.90E-07	8.44E-06	1.63E-05	3.93E-07	3.44E-06	6.57E-06	4.33E-07	3.86E-06	7.37E-06	5.23E-07	4.44E-06	8.68E-06	5.59E-07	4.78E-06	9.19E-06	4.36E-07	3.77E-06	7.18E-06
3,165	1.10E-06	9.45E-06	1.85E-05	9.89E-07	8.43E-06	1.63E-05	3.93E-07	3.44E-06	6.57E-06	4.32E-07	3.86E-06	7.37E-06	5.23E-07	4.44E-06	8.67E-06	5.58E-07	4.78E-06	9.19E-06	4.36E-07	3.76E-06	7.18E-06
3,166	1.10E-06	9.44E-06	1.85E-05	9.88E-07	8.42E-06	1.63E-05	3.93E-07	3.44E-06	6.57E-06	4.32E-07	3.86E-06	7.37E-06	5.22E-07	4.43E-06	8.67E-06	5.58E-07	4.77E-06	9.19E-06	4.36E-07	3.76E-06	7.17E-06
3,167	1.10E-06	9.43E-06	1.85E-05	9.88E-07	8.42E-06	1.63E-05	3.92E-07	3.44E-06	6.57E-06	4.32E-07	3.85E-06	7.36E-06	5.22E-07	4.43E-06	8.67E-06	5.58E-07	4.77E-06	9.19E-06	4.36E-07	3.76E-06	7.17E-06
3,168	1.10E-06	9.43E-06	1.85E-05	9.88E-07	8.42E-06	1.63E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.85E-06	7.36E-06	5.22E-07	4.43E-06	8.67E-06	5.58E-07	4.77E-06	9.19E-06	4.36E-07	3.76E-06	7.17E-06
3,169	1.10E-06	9.42E-06	1.85E-05	9.88E-07	8.42E-06	1.63E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.85E-06	7.36E-06	5.22E-07	4.43E-06	8.66E-06	5.58E-07	4.77E-06	9.19E-06	4.36E-07	3.76E-06	7.17E-06
3,170	1.10E-06	9.42E-06	1.85E-05	9.88E-07	8.42E-06	1.63E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.85E-06	7.35E-06	5.22E-07	4.42E-06	8.66E-06	5.58E-07	4.77E-06	9.18E-06	4.36E-07	3.76E-06	7.16E-06
3,171	1.10E-06	9.42E-06	1.84E-05	9.87E-07	8.41E-06	1.62E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.85E-06	7.35E-06	5.22E-07	4.42E-06	8.66E-06	5.58E-07	4.77E-06	9.18E-06	4.36E-07	3.76E-06	7.16E-06
3,172	1.10E-06	9.42E-06	1.84E-05	9.87E-07	8.40E-06	1.62E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.85E-06	7.35E-06	5.21E-07	4.42E-06	8.66E-06	5.57E-07	4.77E-06	9.17E-06	4.36E-07	3.75E-06	7.16E-06
3,173	1.10E-06	9.41E-06	1.84E-05	9.87E-07	8.40E-06	1.62E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.84E-06	7.35E-06	5.21E-07	4.42E-06	8.66E-06	5.57E-07	4.76E-06	9.17E-06	4.36E-07	3.75E-06	7.15E-06
3,174	1.10E-06	9.41E-06	1.84E-05	9.86E-07	8.40E-06	1.62E-05	3.92E-07	3.43E-06	6.56E-06	4.32E-07	3.84E-06	7.35E-06	5.21E-07	4.42E-06	8.66E-06	5.57E-07	4.76E-06	9.17E-06	4.36E-07	3.75E-06	7.15E-06
3,175	1.10E-06	9.40E-06	1.84E-05	9.86E-07	8.39E-06	1.62E-05	3.92E-07	3.43E-06	6.55E-06	4.31E-07	3.84E-06	7.35E-06	5.20E-07	4.42E-06	8.65E-06	5.57E-07	4.76E-06	9.17E-06	4.36E-07	3.75E-06	7.15E-06
3,176	1.09E-06	9.40E-06	1.84E-05	9.86E-07	8.39E-06	1.62E-05	3.92E-07	3.43E-06	6.54E-06	4.31E-07	3.84E-06	7.35E-06	5.20E-07	4.42E-06	8.65E-06	5.57E-07	4.76E-06	9.17E-06	4.35E-07	3.75E-06	7.15E-06
3,177	1.09E-06	9.40E-06	1.84E-05	9.85E-07	8.38E-06	1.62E-05	3.92E-07	3.43E-06	6.54E-06	4.31E-07	3.84E-06	7.34E-06	5.20E-07	4.42E-06	8.64E-06	5.56E-07	4.75E-06	9.17E-06	4.35E-07	3.75E-06	7.15E-06
3,178	1.09E-06	9.40E-06	1.84E-05	9.84E-07	8.38E-06	1.62E-05	3.92E-07	3.43E-06	6.54E-06	4.30E-07	3.84E-06	7.34E-06	5.20E-07	4.42E-06	8.64E-06	5.56E-07	4.75E-06	9.16E-06	4.35E-07	3.75E-06	7.15E-06
3,179	1.09E-06	9.39E-06	1.84E-05	9.84E-07	8.37E-06	1.62E-05	3.91E-07	3.43E-06	6.54E-06	4.30E-07	3.84E-06	7.34E-06	5.19E-07	4.41E-06	8.64E-06	5.56E-07	4.75E-06	9.16E-06	4.34E-07	3.75E-06	7.14E-06
3,180	1.09E-06	9.39E-06	1.84E-05	9.83E-07	8.37E-06	1.62E-05	3.91E-07	3.42E-06	6.54E-06	4.30E-07	3.84E-06	7.34E-06	5.19E-07	4.41E-06	8.64E-06	5.56E-07	4.75E-06	9.16E-06	4.34E-07	3.75E-06	7.13E-06
3,181	1.09E-06	9.39E-06	1.84E-05	9.83E-07	8.37E-06	1.62E-05	3.91E-07	3.42E-06	6.54E-06	4.30E-07	3.83E-06	7.34E-06	5.19E-07	4.41E-06	8.64E-06	5.56E-07	4.74E-06	9.15E-06	4.34E-07	3.75E-06	7.13E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,202	1.08E-06	9.30E-06	1.83E-05	9.76E-07	8.28E-06	1.61E-05	3.88E-07	3.40E-06	6.47E-06	4.27E-07	3.81E-06	7.29E-06	5.15E-07	4.38E-06	8.57E-06	5.51E-07	4.71E-06	9.11E-06	4.32E-07	3.71E-06	7.09E-06
3,203	1.08E-06	9.29E-06	1.83E-05	9.75E-07	8.27E-06	1.61E-05	3.88E-07	3.40E-06	6.47E-06	4.26E-07	3.81E-06	7.29E-06	5.15E-07	4.38E-06	8.57E-06	5.51E-07	4.71E-06	9.11E-06	4.31E-07	3.71E-06	7.09E-06
3,204	1.08E-06	9.29E-06	1.83E-05	9.75E-07	8.27E-06	1.61E-05	3.88E-07	3.40E-06	6.47E-06	4.26E-07	3.81E-06	7.29E-06	5.14E-07	4.37E-06	8.57E-06	5.51E-07	4.71E-06	9.10E-06	4.31E-07	3.71E-06	7.08E-06
3,205	1.08E-06	9.29E-06	1.83E-05	9.75E-07	8.27E-06	1.61E-05	3.87E-07	3.40E-06	6.47E-06	4.26E-07	3.81E-06	7.29E-06	5.14E-07	4.37E-06	8.56E-06	5.51E-07	4.71E-06	9.10E-06	4.31E-07	3.71E-06	7.08E-06
3,206	1.08E-06	9.29E-06	1.82E-05	9.75E-07	8.27E-06	1.61E-05	3.87E-07	3.40E-06	6.46E-06	4.26E-07	3.81E-06	7.28E-06	5.14E-07	4.37E-06	8.56E-06	5.51E-07	4.71E-06	9.09E-06	4.31E-07	3.71E-06	7.08E-06
3,207	1.08E-06	9.29E-06	1.82E-05	9.74E-07	8.26E-06	1.61E-05	3.87E-07	3.40E-06	6.46E-06	4.26E-07	3.80E-06	7.28E-06	5.14E-07	4.37E-06	8.56E-06	5.51E-07	4.71E-06	9.08E-06	4.30E-07	3.70E-06	7.08E-06
3,208	1.08E-06	9.29E-06	1.82E-05	9.74E-07	8.25E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.26E-07	3.80E-06	7.28E-06	5.14E-07	4.37E-06	8.56E-06	5.51E-07	4.71E-06	9.08E-06	4.30E-07	3.70E-06	7.08E-06
3,209	1.08E-06	9.28E-06	1.82E-05	9.74E-07	8.25E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.25E-07	3.80E-06	7.27E-06	5.14E-07	4.37E-06	8.56E-06	5.51E-07	4.71E-06	9.07E-06	4.30E-07	3.70E-06	7.08E-06
3,210	1.08E-06	9.28E-06	1.82E-05	9.73E-07	8.25E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.25E-07	3.80E-06	7.27E-06	5.14E-07	4.36E-06	8.56E-06	5.51E-07	4.70E-06	9.07E-06	4.30E-07	3.70E-06	7.08E-06
3,211	1.08E-06	9.27E-06	1.82E-05	9.73E-07	8.24E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.25E-07	3.80E-06	7.26E-06	5.14E-07	4.36E-06	8.56E-06	5.50E-07	4.70E-06	9.07E-06	4.30E-07	3.70E-06	7.07E-06
3,212	1.08E-06	9.27E-06	1.82E-05	9.73E-07	8.24E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.25E-07	3.80E-06	7.26E-06	5.13E-07	4.36E-06	8.55E-06	5.50E-07	4.69E-06	9.06E-06	4.30E-07	3.69E-06	7.07E-06
3,213	1.08E-06	9.27E-06	1.82E-05	9.73E-07	8.24E-06	1.61E-05	3.87E-07	3.39E-06	6.46E-06	4.25E-07	3.80E-06	7.26E-06	5.13E-07	4.36E-06	8.55E-06	5.50E-07	4.69E-06	9.06E-06	4.30E-07	3.69E-06	7.07E-06
3,214	1.08E-06	9.26E-06	1.82E-05	9.72E-07	8.24E-06	1.61E-05	3.86E-07	3.39E-06	6.45E-06	4.25E-07	3.80E-06	7.26E-06	5.13E-07	4.36E-06	8.55E-06	5.50E-07	4.69E-06	9.06E-06	4.30E-07	3.69E-06	7.07E-06
3,215	1.08E-06	9.26E-06	1.82E-05	9.72E-07	8.24E-06	1.61E-05	3.86E-07	3.39E-06	6.45E-06	4.25E-07	3.79E-06	7.25E-06	5.12E-07	4.36E-06	8.55E-06	5.50E-07	4.68E-06	9.06E-06	4.29E-07	3.69E-06	7.07E-06
3,216	1.08E-06	9.26E-06	1.82E-05	9.72E-07	8.24E-06	1.60E-05	3.86E-07	3.39E-06	6.45E-06	4.25E-07	3.79E-06	7.25E-06	5.12E-07	4.36E-06	8.55E-06	5.49E-07	4.68E-06	9.06E-06	4.29E-07	3.69E-06	7.06E-06
3,217	1.08E-06	9.26E-06	1.82E-05	9.71E-07	8.23E-06	1.60E-05	3.86E-07	3.39E-06	6.45E-06	4.24E-07	3.79E-06	7.25E-06	5.12E-07	4.36E-06	8.54E-06	5.49E-07	4.68E-06	9.06E-06	4.29E-07	3.69E-06	7.06E-06
3,218	1.08E-06	9.25E-06	1.82E-05	9.71E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.45E-06	4.24E-07	3.79E-06	7.25E-06	5.12E-07	4.36E-06	8.54E-06	5.49E-07	4.68E-06	9.06E-06	4.29E-07	3.69E-06	7.06E-06
3,219	1.08E-06	9.25E-06	1.82E-05	9.71E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.45E-06	4.24E-07	3.79E-06	7.24E-06	5.12E-07	4.35E-06	8.54E-06	5.49E-07	4.68E-06	9.06E-06	4.29E-07	3.68E-06	7.06E-06
3,220	1.08E-06	9.25E-06	1.82E-05	9.70E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.45E-06	4.24E-07	3.79E-06	7.24E-06	5.12E-07	4.35E-06	8.54E-06	5.49E-07	4.68E-06	9.05E-06	4.29E-07	3.68E-06	7.06E-06
3,221	1.08E-06	9.24E-06	1.82E-05	9.70E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.44E-06	4.24E-07	3.79E-06	7.24E-06	5.12E-07	4.35E-06	8.54E-06	5.49E-07	4.67E-06	9.04E-06	4.29E-07	3.68E-06	7.06E-06
3,222	1.08E-06	9.24E-06	1.81E-05	9.70E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.44E-06	4.24E-07	3.79E-06	7.23E-06	5.12E-07	4.35E-06	8.53E-06	5.49E-07	4.67E-06	9.04E-06	4.28E-07	3.68E-06	7.06E-06
3,223	1.08E-06	9.24E-06	1.81E-05	9.70E-07	8.23E-06	1.60E-05	3.85E-07	3.38E-06	6.44E-06	4.24E-07	3.79E-06	7.23E-06	5.11E-07	4.35E-06	8.53E-06	5.49E-07	4.67E-06	9.03E-06	4.28E-07	3.68E-06	7.05E-06
3,224	1.07E-06	9.24E-06	1.81E-05	9.69E-07	8.22E-06	1.60E-05	3.85E-07	3.38E-06	6.44E-06	4.24E-07	3.79E-06	7.23E-06	5.11E-07	4.35E-06	8.53E-06	5.48E-07	4.66E-06	9.03E-06	4.28E-07	3.68E-06	7.05E-06
3,225	1.07E-06	9.24E-06	1.81E-05	9.68E-07	8.22E-06	1.60E-05	3.85E-07	3.38E-06	6.44E-06	4.24E-07	3.78E-06	7.23E-06	5.11E-07	4.35E-06	8.52E-06	5.48E-07	4.66E-06	9.03E-06	4.28E-07	3.68E-06	7.04E-06
3,226	1.07E-06	9.23E-06	1.81E-05	9.68E-07	8.22E-06	1.60E-05	3.84E-07	3.38E-06	6.44E-06	4.24E-07	3.78E-06	7.23E-06	5.11E-07	4.35E-06	8.52E-06	5.48E-07	4.65E-06	9.03E-06	4.28E-07	3.67E-06	7.04E-06
3,227	1.07E-06	9.23E-06	1.81E-05	9.67E-07	8.22E-06	1.60E-05	3.84E-07	3.37E-06	6.44E-06	4.24E-07	3.78E-06	7.23E-06	5.11E-07	4.34E-06	8.52E-06	5.48E-07	4.65E-06	9.03E-06	4.28E-07	3.67E-06	7.03E-06
3,228	1.07E-06	9.22E-06	1.81E-05	9.67E-07	8.22E-06	1.59E-05	3.84E-07	3.37E-06	6.44E-06	4.24E-07	3.78E-06	7.23E-06	5.11E-07	4.34E-06	8.52E-06	5.48E-07	4.65E-06	9.03E-06	4.28E-07	3.67E-06	7.03E-06
3,229	1.07E-06	9.21E-06	1.81E-05	9.66E-07	8.22E-06	1.59E-05	3.84E-07	3.37E-06	6.43E-06	4.24E-07	3.78E-06	7.22E-06	5.11E-07	4.34E-06	8.51E-06	5.48E-07	4.65E-06	9.03E-06	4.28E-07	3.67E-06	7.03E-06
3,230	1.07E-06	9.21E-06	1.81E-05	9.66E-07	8.22E-06	1.59E-05	3.84E-07	3.37E-06	6.43E-06	4.23E-07	3.78E-06	7.22E-06	5.10E-07	4.34E-06	8.51E-06	5.48E-07	4.65E-06	9.02E-06	4.28E-07	3.67E-06	7.03E-06
3,231	1.07E-06	9.21E-06	1.81E-05	9.66E-07	8.21E-06	1.59E-05	3.84E-07	3.37E-06	6.43E-06	4.23E-07	3.77E-06	7.22E-06	5.09E-07	4.34E-06	8.51E-06	5.48E-07	4.65E-06	9.02E-06	4.27E-07	3.67E-06	7.02E-06
3,232	1.07E-06	9.21E-06	1.81E-05	9.66E-07	8.21E-06	1.59E-05	3.84E-07	3.37E-06	6.43E-06	4.23E-07	3.77E-06	7.21E-06	5.09E-07	4.34E-06	8.50E-06	5.47E-07	4.64E-06	9.02E-06	4.27E-07	3.67E-06	7.02E-06
3,233	1.07E-06	9.21E-06	1.81E-05	9.65E-07	8.21E-06	1.59E-05	3.83E-07	3.37E-06	6.42E-06	4.23E-07	3.77E-06	7.21E-06	5.09E-07	4.33E-06	8.50E-06	5.47E-07	4.64E-06	9.02E-06	4.27E-07	3.67E-06	7.02E-06
3,234	1.07E-06	9.21E-06	1.81E-05	9.65E-07	8.21E-06	1.59E-05	3.83E-07	3.37E-06	6.41E-06	4.23E-07	3.77E-06	7.21E-06	5.09E-07	4.33E-06	8.50E-06	5.47E-07	4.64E-06	9.02E-06	4.27E-07	3.67E-06	7.02E-06
3,235	1.07E-06	9.20E-06	1.81E-05	9.64E-07	8.20E-06	1.59E-05	3.83E-07	3.37E-06	6.41E-06	4.23E-07	3.77E-06	7.21E-06	5.09E-07	4.33E-06	8.50E-06	5.47E-07	4.64E-06	9.01E-06	4.27E-07	3.66E-06	7.01E-06
3,236	1.07E-06	9.20E-06	1.81E-05	9.64E-07	8.20E-06	1.59E-05	3.83E-07	3.37E-06	6.41E-06	4.23E-07	3.77E-06	7.20E-06	5.08E-07	4.33E-06	8.49E-06	5.47E-07	4.64E-06	9.01E-06	4.27E-07	3.66E-06	7.01E-06
3,237	1.07E-06	9.20E-06	1.80E-05	9.63E-07	8.20E-06	1.59E-05	3.83E-07	3.37E-06	6.41E-06	4.23E-07	3.76E-06	7.20E-06	5.08E-07	4.33E-06	8.49E-06	5.46E-07	4.64E-06	9.01E-06	4.27E-07	3.66E-06	7.01E-06
3,238	1.07E-06	9.20E-06	1.80E-05	9.63E-07	8.20E-06	1.59E-05	3.83E-07	3.37E-06	6.41E-06	4.23E-07	3.76E-06	7.20E-06	5.08E-07	4.33E-06	8.49E-06	5.46E-07	4.64E-06	9.00E-06	4.27E-07	3.66E-06	7.00E-06
3,239	1.07E-06	9.20E-06	1.80E-05	9.63E-07	8.19E-06	1.59E-05	3.83E-07	3.36E-06	6.41E-06	4.23E-07	3.76E-06	7.19E-06	5.08E-07	4.33E-06	8.48E-06	5.46E-07	4.64E-06	9.00E-06	4.27E-07	3.66E-06	7.00E-06
3,240	1.07E-06	9.19E-06	1.80E-05	9.62E-07	8.19E-06	1.59E-05	3.83E-07	3.36E-06	6.40E-06	4.23E-07	3.76E-06	7.19E-06	5.08E-07	4.32E-06	8.48E-06	5.46E-07	4.64E-06	9.00E-06	4.27E-07	3.66E-06	7.00E-06
3,241	1.07E-06	9.19E-06	1.80E-05	9.62E-07	8.19E-06	1.59E-05	3.82E-07	3.36E-06	6.40E-06	4.22E-07	3.76E-06	7.19E-06	5.08E-07	4.32E-06	8.48E-06	5.45E-07	4.63E-06	9.00E-06	4.27E-07	3.65E-06	6.99E-06
3,242	1.07E-06	9.19E-06	1.80E-05	9.62E-07	8.19E-06	1.59E-05	3.82E-07	3.36E-06	6.40E-06	4.22E-07	3.76E-06	7.18E-06	5.08E-07	4.32E-06	8.48E-06	5.45E-07	4.63E-06	9.00E-06	4.26E-07	3.65E-06	6.99E-06
3,243	1.07E-06	9.18E-06	1.80E-05	9.61E-07	8.19E-06	1.59E-05	3.82E-07	3.36E-06	6.40E-06	4.22E-07	3.76E-06	7.18E-06	5.08E-07	4.32E-06	8.47E-06	5.45E-07	4.63E-06	9.00E-06	4.26E-07	3.65E-06	6.99E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,264	1.06E-06	9.11E-06	1.79E-05	9.57E-07	8.13E-06	1.58E-05	3.79E-07	3.33E-06	6.34E-06	4.18E-07	3.74E-06	7.14E-06	5.05E-07	4.29E-06	8.42E-06	5.40E-07	4.61E-06	8.93E-06	4.22E-07	3.63E-06	6.94E-06
3,265	1.06E-06	9.10E-06	1.79E-05	9.57E-07	8.13E-06	1.58E-05	3.79E-07	3.33E-06	6.34E-06	4.18E-07	3.74E-06	7.14E-06	5.05E-07	4.29E-06	8.41E-06	5.40E-07	4.61E-06	8.93E-06	4.22E-07	3.63E-06	6.93E-06
3,266	1.06E-06	9.10E-06	1.79E-05	9.56E-07	8.13E-06	1.57E-05	3.79E-07	3.33E-06	6.34E-06	4.18E-07	3.74E-06	7.14E-06	5.05E-07	4.29E-06	8.41E-06	5.40E-07	4.61E-06	8.93E-06	4.21E-07	3.63E-06	6.93E-06
3,267	1.06E-06	9.09E-06	1.79E-05	9.56E-07	8.13E-06	1.57E-05	3.79E-07	3.33E-06	6.33E-06	4.18E-07	3.73E-06	7.14E-06	5.05E-07	4.29E-06	8.41E-06	5.40E-07	4.61E-06	8.93E-06	4.21E-07	3.63E-06	6.93E-06
3,268	1.06E-06	9.09E-06	1.78E-05	9.56E-07	8.13E-06	1.57E-05	3.79E-07	3.32E-06	6.33E-06	4.18E-07	3.73E-06	7.14E-06	5.05E-07	4.29E-06	8.40E-06	5.39E-07	4.60E-06	8.93E-06	4.21E-07	3.63E-06	6.93E-06
3,269	1.06E-06	9.09E-06	1.78E-05	9.55E-07	8.13E-06	1.57E-05	3.79E-07	3.32E-06	6.33E-06	4.17E-07	3.73E-06	7.13E-06	5.05E-07	4.28E-06	8.40E-06	5.39E-07	4.60E-06	8.92E-06	4.21E-07	3.62E-06	6.93E-06
3,270	1.06E-06	9.09E-06	1.78E-05	9.54E-07	8.11E-06	1.57E-05	3.79E-07	3.32E-06	6.33E-06	4.17E-07	3.73E-06	7.13E-06	5.04E-07	4.28E-06	8.39E-06	5.39E-07	4.60E-06	8.92E-06	4.21E-07	3.62E-06	6.93E-06
3,271	1.06E-06	9.09E-06	1.78E-05	9.54E-07	8.11E-06	1.57E-05	3.79E-07	3.32E-06	6.33E-06	4.17E-07	3.73E-06	7.13E-06	5.04E-07	4.28E-06	8.39E-06	5.39E-07	4.60E-06	8.92E-06	4.21E-07	3.62E-06	6.93E-06
3,272	1.06E-06	9.09E-06	1.78E-05	9.53E-07	8.10E-06	1.57E-05	3.78E-07	3.32E-06	6.33E-06	4.17E-07	3.73E-06	7.12E-06	5.04E-07	4.28E-06	8.38E-06	5.39E-07	4.60E-06	8.92E-06	4.21E-07	3.62E-06	6.92E-06
3,273	1.05E-06	9.08E-06	1.78E-05	9.53E-07	8.10E-06	1.57E-05	3.78E-07	3.32E-06	6.33E-06	4.17E-07	3.73E-06	7.12E-06	5.04E-07	4.28E-06	8.38E-06	5.39E-07	4.60E-06	8.91E-06	4.21E-07	3.62E-06	6.92E-06
3,274	1.05E-06	9.08E-06	1.78E-05	9.53E-07	8.10E-06	1.57E-05	3.78E-07	3.32E-06	6.33E-06	4.17E-07	3.72E-06	7.12E-06	5.04E-07	4.28E-06	8.38E-06	5.39E-07	4.60E-06	8.91E-06	4.21E-07	3.62E-06	6.92E-06
3,275	1.05E-06	9.08E-06	1.78E-05	9.53E-07	8.10E-06	1.57E-05	3.78E-07	3.32E-06	6.33E-06	4.17E-07	3.72E-06	7.12E-06	5.04E-07	4.28E-06	8.38E-06	5.38E-07	4.60E-06	8.90E-06	4.21E-07	3.62E-06	6.92E-06
3,276	1.05E-06	9.07E-06	1.78E-05	9.52E-07	8.10E-06	1.57E-05	3.78E-07	3.32E-06	6.32E-06	4.17E-07	3.72E-06	7.12E-06	5.04E-07	4.27E-06	8.38E-06	5.38E-07	4.59E-06	8.90E-06	4.21E-07	3.62E-06	6.91E-06
3,277	1.05E-06	9.07E-06	1.78E-05	9.52E-07	8.09E-06	1.57E-05	3.78E-07	3.32E-06	6.32E-06	4.16E-07	3.72E-06	7.12E-06	5.04E-07	4.27E-06	8.37E-06	5.38E-07	4.59E-06	8.89E-06	4.21E-07	3.62E-06	6.91E-06
3,278	1.05E-06	9.07E-06	1.78E-05	9.52E-07	8.09E-06	1.57E-05	3.78E-07	3.32E-06	6.32E-06	4.16E-07	3.72E-06	7.11E-06	5.04E-07	4.27E-06	8.37E-06	5.38E-07	4.59E-06	8.89E-06	4.21E-07	3.62E-06	6.91E-06
3,279	1.05E-06	9.07E-06	1.77E-05	9.52E-07	8.09E-06	1.57E-05	3.77E-07	3.31E-06	6.32E-06	4.16E-07	3.72E-06	7.11E-06	5.04E-07	4.27E-06	8.37E-06	5.38E-07	4.59E-06	8.89E-06	4.20E-07	3.62E-06	6.91E-06
3,280	1.05E-06	9.06E-06	1.77E-05	9.52E-07	8.09E-06	1.57E-05	3.77E-07	3.31E-06	6.31E-06	4.16E-07	3.72E-06	7.11E-06	5.04E-07	4.27E-06	8.37E-06	5.38E-07	4.59E-06	8.89E-06	4.20E-07	3.62E-06	6.90E-06
3,281	1.05E-06	9.06E-06	1.77E-05	9.51E-07	8.08E-06	1.57E-05	3.77E-07	3.31E-06	6.31E-06	4.16E-07	3.72E-06	7.10E-06	5.03E-07	4.27E-06	8.37E-06	5.38E-07	4.59E-06	8.88E-06	4.20E-07	3.61E-06	6.90E-06
3,282	1.05E-06	9.06E-06	1.77E-05	9.51E-07	8.08E-06	1.57E-05	3.77E-07	3.31E-06	6.31E-06	4.16E-07	3.71E-06	7.10E-06	5.03E-07	4.27E-06	8.37E-06	5.37E-07	4.58E-06	8.88E-06	4.20E-07	3.61E-06	6.90E-06
3,283	1.05E-06	9.06E-06	1.77E-05	9.50E-07	8.08E-06	1.57E-05	3.77E-07	3.31E-06	6.30E-06	4.16E-07	3.71E-06	7.10E-06	5.03E-07	4.27E-06	8.37E-06	5.37E-07	4.58E-06	8.88E-06	4.20E-07	3.61E-06	6.89E-06
3,284	1.05E-06	9.04E-06	1.77E-05	9.50E-07	8.08E-06	1.57E-05	3.76E-07	3.31E-06	6.30E-06	4.16E-07	3.71E-06	7.09E-06	5.03E-07	4.27E-06	8.36E-06	5.37E-07	4.58E-06	8.87E-06	4.20E-07	3.61E-06	6.88E-06
3,285	1.05E-06	9.04E-06	1.77E-05	9.50E-07	8.08E-06	1.57E-05	3.76E-07	3.31E-06	6.30E-06	4.16E-07	3.71E-06	7.09E-06	5.03E-07	4.27E-06	8.36E-06	5.37E-07	4.58E-06	8.87E-06	4.20E-07	3.61E-06	6.88E-06
3,286	1.05E-06	9.03E-06	1.77E-05	9.50E-07	8.08E-06	1.57E-05	3.76E-07	3.31E-06	6.30E-06	4.15E-07	3.70E-06	7.09E-06	5.03E-07	4.27E-06	8.36E-06	5.37E-07	4.58E-06	8.87E-06	4.20E-07	3.61E-06	6.88E-06
3,287	1.05E-06	9.03E-06	1.77E-05	9.49E-07	8.08E-06	1.57E-05	3.76E-07	3.30E-06	6.30E-06	4.15E-07	3.70E-06	7.09E-06	5.02E-07	4.27E-06	8.36E-06	5.36E-07	4.58E-06	8.87E-06	4.19E-07	3.61E-06	6.87E-06
3,288	1.05E-06	9.03E-06	1.77E-05	9.49E-07	8.07E-06	1.57E-05	3.76E-07	3.30E-06	6.29E-06	4.15E-07	3.70E-06	7.09E-06	5.02E-07	4.27E-06	8.35E-06	5.36E-07	4.58E-06	8.87E-06	4.19E-07	3.61E-06	6.87E-06
3,289	1.05E-06	9.02E-06	1.77E-05	9.49E-07	8.07E-06	1.57E-05	3.76E-07	3.30E-06	6.29E-06	4.15E-07	3.70E-06	7.09E-06	5.02E-07	4.27E-06	8.35E-06	5.36E-07	4.58E-06	8.87E-06	4.19E-07	3.60E-06	6.87E-06
3,290	1.05E-06	9.01E-06	1.77E-05	9.49E-07	8.07E-06	1.57E-05	3.76E-07	3.30E-06	6.29E-06	4.15E-07	3.70E-06	7.08E-06	5.02E-07	4.26E-06	8.35E-06	5.36E-07	4.58E-06	8.86E-06	4.19E-07	3.60E-06	6.87E-06
3,291	1.05E-06	9.01E-06	1.77E-05	9.49E-07	8.07E-06	1.56E-05	3.76E-07	3.30E-06	6.29E-06	4.14E-07	3.69E-06	7.08E-06	5.02E-07	4.26E-06	8.35E-06	5.36E-07	4.57E-06	8.85E-06	4.19E-07	3.60E-06	6.87E-06
3,292	1.05E-06	9.00E-06	1.77E-05	9.49E-07	8.07E-06	1.56E-05	3.76E-07	3.29E-06	6.29E-06	4.14E-07	3.69E-06	7.08E-06	5.01E-07	4.26E-06	8.35E-06	5.36E-07	4.57E-06	8.85E-06	4.19E-07	3.60E-06	6.87E-06
3,293	1.05E-06	9.00E-06	1.77E-05	9.48E-07	8.06E-06	1.56E-05	3.76E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.08E-06	5.01E-07	4.26E-06	8.35E-06	5.36E-07	4.57E-06	8.85E-06	4.19E-07	3.59E-06	6.86E-06
3,294	1.05E-06	9.00E-06	1.76E-05	9.48E-07	8.06E-06	1.56E-05	3.76E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.08E-06	5.00E-07	4.26E-06	8.34E-06	5.35E-07	4.56E-06	8.84E-06	4.19E-07	3.59E-06	6.86E-06
3,295	1.05E-06	8.99E-06	1.76E-05	9.48E-07	8.06E-06	1.56E-05	3.76E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.08E-06	5.00E-07	4.26E-06	8.34E-06	5.35E-07	4.56E-06	8.83E-06	4.19E-07	3.59E-06	6.86E-06
3,296	1.05E-06	8.99E-06	1.76E-05	9.47E-07	8.06E-06	1.56E-05	3.76E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.08E-06	5.00E-07	4.26E-06	8.34E-06	5.35E-07	4.56E-06	8.83E-06	4.19E-07	3.59E-06	6.85E-06
3,297	1.05E-06	8.99E-06	1.76E-05	9.47E-07	8.06E-06	1.56E-05	3.75E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.07E-06	5.00E-07	4.26E-06	8.34E-06	5.35E-07	4.56E-06	8.83E-06	4.18E-07	3.59E-06	6.84E-06
3,298	1.05E-06	8.99E-06	1.76E-05	9.47E-07	8.06E-06	1.56E-05	3.75E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.06E-06	5.00E-07	4.25E-06	8.33E-06	5.35E-07	4.56E-06	8.83E-06	4.18E-07	3.59E-06	6.84E-06
3,299	1.05E-06	8.99E-06	1.76E-05	9.47E-07	8.06E-06	1.56E-05	3.75E-07	3.29E-06	6.28E-06	4.14E-07	3.69E-06	7.06E-06	5.00E-07	4.25E-06	8.33E-06	5.34E-07	4.56E-06	8.83E-06	4.18E-07	3.59E-06	6.83E-06
3,300	1.04E-06	8.99E-06	1.76E-05	9.46E-07	8.05E-06	1.56E-05	3.75E-07	3.29E-06	6.28E-06	4.13E-07	3.69E-06	7.06E-06	5.00E-07	4.25E-06	8.33E-06	5.34E-07	4.56E-06	8.83E-06	4.18E-07	3.58E-06	6.83E-06
3,301	1.04E-06	8.98E-06	1.76E-05	9.46E-07	8.04E-06	1.56E-05	3.75E-07	3.29E-06	6.27E-06	4.13E-07	3.69E-06	7.06E-06	5.00E-07	4.25E-06	8.32E-06	5.34E-07	4.56E-06	8.83E-06	4.18E-07	3.58E-06	6.83E-06
3,302	1.04E-06	8.98E-06	1.76E-05	9.46E-07	8.04E-06	1.56E-05	3.75E-07	3.29E-06	6.27E-06	4.13E-07	3.69E-06	7.06E-06	5.00E-07	4.25E-06	8.32E-06	5.34E-07	4.56E-06	8.83E-06	4.18E-07	3.58E-06	6.83E-06
3,303	1.04E-06	8.98E-06	1.76E-05	9.45E-07	8.04E-06	1.56E-05	3.74E-07	3.29E-06	6.27E-06	4.13E-07	3.69E-06	7.05E-06	5.00E-07	4.25E-06	8.32E-06	5.34E-07	4.55E-06	8.82E-06	4.18E-07	3.58E-06	6.83E-06
3,304	1.04E-06	8.97E-06	1.76E-05	9.44E-07	8.03E-06	1.56E-05	3.74E-07	3.28E-06	6.26E-06	4.13E-07	3.69E-06	7.05E-06	5.00E-07	4.25E-06	8.32E-06	5.33E-07	4.55E-06	8.82E-06	4.17E-07	3.58E-06	6.83E-06
3,305	1.04E-06	8.97E-06	1.76E-05	9.44E-07	8.03E-06	1.56E-05	3.74E-07	3.28E-06	6.26E-06	4.13E-07	3.68E-06	7.05E-06	5.00E-07	4.25E-06	8.32E-06	5.33E-07	4.55E-06	8.82E-06	4.17E-07	3.58E-06	6.82E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,326	1.04E-06	8.92E-06	1.75E-05	9.36E-07	7.99E-06	1.55E-05	3.72E-07	3.26E-06	6.22E-06	4.10E-07	3.65E-06	7.00E-06	4.96E-07	4.22E-06	8.23E-06	5.29E-07	4.51E-06	8.75E-06	4.14E-07	3.56E-06	6.78E-06
3,327	1.03E-06	8.92E-06	1.75E-05	9.36E-07	7.98E-06	1.55E-05	3.71E-07	3.26E-06	6.22E-06	4.10E-07	3.65E-06	7.00E-06	4.95E-07	4.22E-06	8.23E-06	5.28E-07	4.51E-06	8.75E-06	4.14E-07	3.56E-06	6.78E-06
3,328	1.03E-06	8.92E-06	1.75E-05	9.35E-07	7.98E-06	1.55E-05	3.71E-07	3.26E-06	6.22E-06	4.10E-07	3.65E-06	7.00E-06	4.95E-07	4.22E-06	8.23E-06	5.28E-07	4.51E-06	8.74E-06	4.14E-07	3.56E-06	6.78E-06
3,329	1.03E-06	8.92E-06	1.75E-05	9.35E-07	7.98E-06	1.55E-05	3.71E-07	3.26E-06	6.21E-06	4.10E-07	3.64E-06	7.00E-06	4.95E-07	4.22E-06	8.22E-06	5.28E-07	4.51E-06	8.74E-06	4.14E-07	3.56E-06	6.77E-06
3,330	1.03E-06	8.92E-06	1.75E-05	9.35E-07	7.97E-06	1.54E-05	3.71E-07	3.26E-06	6.21E-06	4.10E-07	3.64E-06	6.99E-06	4.95E-07	4.22E-06	8.22E-06	5.28E-07	4.50E-06	8.74E-06	4.13E-07	3.55E-06	6.77E-06
3,331	1.03E-06	8.92E-06	1.75E-05	9.34E-07	7.97E-06	1.54E-05	3.71E-07	3.26E-06	6.20E-06	4.10E-07	3.64E-06	6.99E-06	4.95E-07	4.22E-06	8.21E-06	5.28E-07	4.50E-06	8.74E-06	4.13E-07	3.55E-06	6.77E-06
3,332	1.03E-06	8.91E-06	1.74E-05	9.34E-07	7.97E-06	1.54E-05	3.71E-07	3.25E-06	6.20E-06	4.10E-07	3.64E-06	6.98E-06	4.95E-07	4.22E-06	8.20E-06	5.28E-07	4.50E-06	8.73E-06	4.13E-07	3.55E-06	6.77E-06
3,333	1.03E-06	8.91E-06	1.74E-05	9.34E-07	7.97E-06	1.54E-05	3.71E-07	3.25E-06	6.20E-06	4.10E-07	3.64E-06	6.98E-06	4.94E-07	4.22E-06	8.20E-06	5.27E-07	4.49E-06	8.73E-06	4.13E-07	3.55E-06	6.76E-06
3,334	1.03E-06	8.91E-06	1.74E-05	9.33E-07	7.97E-06	1.54E-05	3.71E-07	3.25E-06	6.20E-06	4.10E-07	3.64E-06	6.98E-06	4.94E-07	4.21E-06	8.20E-06	5.27E-07	4.49E-06	8.73E-06	4.13E-07	3.55E-06	6.76E-06
3,335	1.03E-06	8.91E-06	1.74E-05	9.32E-07	7.97E-06	1.54E-05	3.71E-07	3.25E-06	6.20E-06	4.10E-07	3.64E-06	6.97E-06	4.94E-07	4.21E-06	8.20E-06	5.27E-07	4.49E-06	8.73E-06	4.13E-07	3.55E-06	6.76E-06
3,336	1.03E-06	8.90E-06	1.74E-05	9.31E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.19E-06	4.09E-07	3.64E-06	6.97E-06	4.94E-07	4.21E-06	8.20E-06	5.27E-07	4.49E-06	8.73E-06	4.13E-07	3.55E-06	6.75E-06
3,337	1.03E-06	8.90E-06	1.74E-05	9.30E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.19E-06	4.09E-07	3.64E-06	6.97E-06	4.94E-07	4.21E-06	8.20E-06	5.27E-07	4.49E-06	8.72E-06	4.13E-07	3.55E-06	6.75E-06
3,338	1.03E-06	8.90E-06	1.74E-05	9.29E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.19E-06	4.09E-07	3.64E-06	6.97E-06	4.94E-07	4.20E-06	8.19E-06	5.26E-07	4.49E-06	8.72E-06	4.13E-07	3.55E-06	6.75E-06
3,339	1.03E-06	8.90E-06	1.74E-05	9.29E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.19E-06	4.09E-07	3.63E-06	6.96E-06	4.94E-07	4.20E-06	8.18E-06	5.26E-07	4.49E-06	8.72E-06	4.12E-07	3.55E-06	6.75E-06
3,340	1.03E-06	8.89E-06	1.74E-05	9.29E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.19E-06	4.09E-07	3.63E-06	6.96E-06	4.94E-07	4.20E-06	8.18E-06	5.26E-07	4.49E-06	8.72E-06	4.12E-07	3.55E-06	6.74E-06
3,341	1.03E-06	8.89E-06	1.74E-05	9.28E-07	7.96E-06	1.54E-05	3.70E-07	3.25E-06	6.18E-06	4.09E-07	3.63E-06	6.95E-06	4.94E-07	4.20E-06	8.17E-06	5.26E-07	4.49E-06	8.72E-06	4.12E-07	3.54E-06	6.74E-06
3,342	1.03E-06	8.88E-06	1.74E-05	9.28E-07	7.96E-06	1.54E-05	3.69E-07	3.25E-06	6.18E-06	4.09E-07	3.63E-06	6.95E-06	4.93E-07	4.20E-06	8.17E-06	5.26E-07	4.49E-06	8.72E-06	4.12E-07	3.54E-06	6.74E-06
3,343	1.03E-06	8.88E-06	1.74E-05	9.27E-07	7.95E-06	1.54E-05	3.69E-07	3.24E-06	6.17E-06	4.09E-07	3.63E-06	6.94E-06	4.93E-07	4.20E-06	8.16E-06	5.26E-07	4.48E-06	8.71E-06	4.11E-07	3.54E-06	6.74E-06
3,344	1.03E-06	8.88E-06	1.74E-05	9.26E-07	7.95E-06	1.54E-05	3.69E-07	3.24E-06	6.17E-06	4.09E-07	3.63E-06	6.94E-06	4.93E-07	4.20E-06	8.16E-06	5.26E-07	4.48E-06	8.71E-06	4.11E-07	3.54E-06	6.73E-06
3,345	1.03E-06	8.88E-06	1.74E-05	9.26E-07	7.95E-06	1.54E-05	3.69E-07	3.24E-06	6.17E-06	4.09E-07	3.63E-06	6.94E-06	4.93E-07	4.20E-06	8.16E-06	5.26E-07	4.47E-06	8.71E-06	4.11E-07	3.54E-06	6.73E-06
3,346	1.03E-06	8.88E-06	1.74E-05	9.26E-07	7.95E-06	1.54E-05	3.69E-07	3.24E-06	6.17E-06	4.09E-07	3.63E-06	6.93E-06	4.92E-07	4.20E-06	8.15E-06	5.26E-07	4.47E-06	8.71E-06	4.11E-07	3.54E-06	6.73E-06
3,347	1.03E-06	8.87E-06	1.74E-05	9.26E-07	7.95E-06	1.54E-05	3.68E-07	3.24E-06	6.17E-06	4.08E-07	3.63E-06	6.93E-06	4.92E-07	4.20E-06	8.15E-06	5.25E-07	4.47E-06	8.70E-06	4.11E-07	3.54E-06	6.73E-06
3,348	1.03E-06	8.87E-06	1.74E-05	9.25E-07	7.95E-06	1.54E-05	3.68E-07	3.24E-06	6.17E-06	4.08E-07	3.62E-06	6.93E-06	4.92E-07	4.20E-06	8.15E-06	5.25E-07	4.47E-06	8.70E-06	4.11E-07	3.54E-06	6.73E-06
3,349	1.03E-06	8.87E-06	1.74E-05	9.25E-07	7.94E-06	1.53E-05	3.68E-07	3.24E-06	6.17E-06	4.08E-07	3.62E-06	6.93E-06	4.92E-07	4.19E-06	8.15E-06	5.25E-07	4.47E-06	8.70E-06	4.10E-07	3.54E-06	6.73E-06
3,350	1.03E-06	8.86E-06	1.73E-05	9.25E-07	7.94E-06	1.53E-05	3.68E-07	3.24E-06	6.16E-06	4.08E-07	3.62E-06	6.93E-06	4.92E-07	4.19E-06	8.15E-06	5.25E-07	4.47E-06	8.70E-06	4.10E-07	3.53E-06	6.72E-06
3,351	1.03E-06	8.86E-06	1.73E-05	9.25E-07	7.93E-06	1.53E-05	3.68E-07	3.23E-06	6.16E-06	4.08E-07	3.62E-06	6.93E-06	4.91E-07	4.19E-06	8.14E-06	5.24E-07	4.46E-06	8.70E-06	4.10E-07	3.53E-06	6.72E-06
3,352	1.03E-06	8.86E-06	1.73E-05	9.24E-07	7.93E-06	1.53E-05	3.68E-07	3.23E-06	6.16E-06	4.08E-07	3.62E-06	6.93E-06	4.91E-07	4.19E-06	8.14E-06	5.24E-07	4.46E-06	8.69E-06	4.10E-07	3.53E-06	6.72E-06
3,353	1.03E-06	8.85E-06	1.73E-05	9.24E-07	7.93E-06	1.53E-05	3.68E-07	3.23E-06	6.16E-06	4.07E-07	3.62E-06	6.93E-06	4.91E-07	4.19E-06	8.14E-06	5.24E-07	4.46E-06	8.68E-06	4.09E-07	3.53E-06	6.72E-06
3,354	1.03E-06	8.85E-06	1.73E-05	9.24E-07	7.93E-06	1.53E-05	3.68E-07	3.23E-06	6.16E-06	4.07E-07	3.62E-06	6.92E-06	4.91E-07	4.19E-06	8.14E-06	5.24E-07	4.46E-06	8.68E-06	4.09E-07	3.53E-06	6.71E-06
3,355	1.03E-06	8.85E-06	1.73E-05	9.21E-07	7.93E-06	1.53E-05	3.68E-07	3.23E-06	6.16E-06	4.07E-07	3.62E-06	6.92E-06	4.91E-07	4.19E-06	8.13E-06	5.24E-07	4.46E-06	8.67E-06	4.09E-07	3.52E-06	6.71E-06
3,356	1.03E-06	8.83E-06	1.73E-05	9.21E-07	7.92E-06	1.53E-05	3.68E-07	3.23E-06	6.15E-06	4.07E-07	3.62E-06	6.92E-06	4.91E-07	4.19E-06	8.13E-06	5.24E-07	4.46E-06	8.67E-06	4.09E-07	3.52E-06	6.71E-06
3,357	1.03E-06	8.83E-06	1.73E-05	9.21E-07	7.92E-06	1.53E-05	3.67E-07	3.23E-06	6.15E-06	4.07E-07	3.62E-06	6.92E-06	4.91E-07	4.19E-06	8.13E-06	5.23E-07	4.46E-06	8.67E-06	4.09E-07	3.52E-06	6.71E-06
3,358	1.03E-06	8.83E-06	1.73E-05	9.20E-07	7.92E-06	1.53E-05	3.67E-07	3.23E-06	6.15E-06	4.06E-07	3.62E-06	6.92E-06	4.91E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.67E-06	4.09E-07	3.52E-06	6.71E-06
3,359	1.03E-06	8.83E-06	1.73E-05	9.20E-07	7.92E-06	1.53E-05	3.67E-07	3.23E-06	6.15E-06	4.06E-07	3.62E-06	6.92E-06	4.90E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.67E-06	4.09E-07	3.52E-06	6.70E-06
3,360	1.03E-06	8.83E-06	1.73E-05	9.19E-07	7.92E-06	1.53E-05	3.67E-07	3.23E-06	6.15E-06	4.06E-07	3.61E-06	6.91E-06	4.90E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.67E-06	4.08E-07	3.52E-06	6.70E-06
3,361	1.03E-06	8.83E-06	1.73E-05	9.19E-07	7.92E-06	1.53E-05	3.67E-07	3.22E-06	6.14E-06	4.06E-07	3.61E-06	6.91E-06	4.90E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.66E-06	4.08E-07	3.52E-06	6.70E-06
3,362	1.03E-06	8.82E-06	1.73E-05	9.18E-07	7.91E-06	1.53E-05	3.67E-07	3.22E-06	6.14E-06	4.06E-07	3.61E-06	6.91E-06	4.90E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.66E-06	4.08E-07	3.52E-06	6.70E-06
3,363	1.03E-06	8.82E-06	1.73E-05	9.18E-07	7.91E-06	1.53E-05	3.67E-07	3.22E-06	6.13E-06	4.06E-07	3.61E-06	6.90E-06	4.90E-07	4.19E-06	8.12E-06	5.23E-07	4.46E-06	8.66E-06	4.08E-07	3.52E-06	6.70E-06
3,364	1.03E-06	8.82E-06	1.73E-05	9.17E-07	7.89E-06	1.53E-05	3.67E-07	3.22E-06	6.12E-06	4.06E-07	3.61E-06	6.90E-06	4.90E-07	4.18E-06	8.11E-06	5.22E-07	4.45E-06	8.66E-06	4.08E-07	3.51E-06	6.70E-06
3,365	1.03E-06	8.81E-06	1.73E-05	9.17E-07	7.88E-06	1.53E-05	3.66E-07	3.22E-06	6.12E-06	4.06E-07	3.61E-06	6.90E-06	4.90E-07	4.18E-06	8.10E-06	5.22E-07	4.45E-06	8.66E-06	4.08E-07	3.51E-06	6.70E-06
3,366	1.03E-06	8.81E-06	1.73E-05	9.17E-07	7.88E-06	1.53E-05	3.66E-07	3.22E-06	6.12E-06	4.05E-07	3.61E-06	6.90E-06	4.89E-07	4.18E-06	8.10E-06	5.22E-07	4.45E-06	8.65E-06	4.08E-07	3.51E-06	6.70E-06
3,367	1.03E-06	8.80E-06	1.73E-05	9.16E-07	7.88E-06	1.52E-05	3.66E-07	3.22E-06	6.12E-06	4.05E-07	3.61E-06	6.89E-06	4.89E-07	4.18E-06	8.10E-06	5.22E-07	4.45E-06	8.65E-06	4.08E-07	3.51E-06	6.70E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,388	1.02E-06	8.73E-06	1.72E-05	9.11E-07	7.84E-06	1.51E-05	3.64E-07	3.20E-06	6.09E-06	4.02E-07	3.58E-06	6.85E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.41E-06	8.59E-06	4.05E-07	3.48E-06	6.65E-06
3,389	1.02E-06	8.73E-06	1.72E-05	9.11E-07	7.84E-06	1.51E-05	3.64E-07	3.20E-06	6.09E-06	4.02E-07	3.58E-06	6.85E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.41E-06	8.59E-06	4.05E-07	3.48E-06	6.65E-06
3,390	1.02E-06	8.73E-06	1.71E-05	9.11E-07	7.83E-06	1.51E-05	3.64E-07	3.20E-06	6.09E-06	4.02E-07	3.58E-06	6.85E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.40E-06	8.58E-06	4.05E-07	3.48E-06	6.65E-06
3,391	1.02E-06	8.73E-06	1.71E-05	9.10E-07	7.83E-06	1.51E-05	3.64E-07	3.20E-06	6.09E-06	4.02E-07	3.57E-06	6.85E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.40E-06	8.58E-06	4.05E-07	3.48E-06	6.64E-06
3,392	1.02E-06	8.73E-06	1.71E-05	9.10E-07	7.83E-06	1.51E-05	3.63E-07	3.20E-06	6.09E-06	4.02E-07	3.57E-06	6.84E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.40E-06	8.58E-06	4.05E-07	3.48E-06	6.64E-06
3,393	1.02E-06	8.72E-06	1.71E-05	9.10E-07	7.82E-06	1.51E-05	3.63E-07	3.19E-06	6.09E-06	4.02E-07	3.57E-06	6.84E-06	4.87E-07	4.14E-06	8.06E-06	5.17E-07	4.40E-06	8.58E-06	4.05E-07	3.48E-06	6.64E-06
3,394	1.02E-06	8.72E-06	1.71E-05	9.10E-07	7.82E-06	1.51E-05	3.63E-07	3.19E-06	6.08E-06	4.02E-07	3.57E-06	6.84E-06	4.87E-07	4.13E-06	8.05E-06	5.17E-07	4.39E-06	8.58E-06	4.05E-07	3.47E-06	6.64E-06
3,395	1.01E-06	8.71E-06	1.71E-05	9.10E-07	7.81E-06	1.51E-05	3.63E-07	3.19E-06	6.08E-06	4.01E-07	3.57E-06	6.83E-06	4.86E-07	4.13E-06	8.05E-06	5.16E-07	4.39E-06	8.58E-06	4.05E-07	3.47E-06	6.63E-06
3,396	1.01E-06	8.71E-06	1.71E-05	9.10E-07	7.81E-06	1.51E-05	3.63E-07	3.19E-06	6.08E-06	4.01E-07	3.56E-06	6.83E-06	4.86E-07	4.12E-06	8.05E-06	5.16E-07	4.39E-06	8.58E-06	4.04E-07	3.47E-06	6.63E-06
3,397	1.01E-06	8.71E-06	1.71E-05	9.10E-07	7.81E-06	1.51E-05	3.63E-07	3.19E-06	6.08E-06	4.01E-07	3.56E-06	6.83E-06	4.86E-07	4.12E-06	8.05E-06	5.16E-07	4.39E-06	8.58E-06	4.04E-07	3.47E-06	6.63E-06
3,398	1.01E-06	8.71E-06	1.71E-05	9.09E-07	7.81E-06	1.51E-05	3.62E-07	3.19E-06	6.08E-06	4.01E-07	3.56E-06	6.83E-06	4.86E-07	4.12E-06	8.05E-06	5.16E-07	4.39E-06	8.57E-06	4.04E-07	3.46E-06	6.63E-06
3,399	1.01E-06	8.71E-06	1.71E-05	9.09E-07	7.80E-06	1.51E-05	3.62E-07	3.19E-06	6.07E-06	4.01E-07	3.56E-06	6.83E-06	4.86E-07	4.12E-06	8.05E-06	5.16E-07	4.39E-06	8.57E-06	4.04E-07	3.46E-06	6.62E-06
3,400	1.01E-06	8.71E-06	1.71E-05	9.09E-07	7.80E-06	1.51E-05	3.62E-07	3.19E-06	6.07E-06	4.01E-07	3.56E-06	6.83E-06	4.86E-07	4.12E-06	8.05E-06	5.15E-07	4.39E-06	8.57E-06	4.04E-07	3.46E-06	6.62E-06
3,401	1.01E-06	8.70E-06	1.71E-05	9.09E-07	7.80E-06	1.51E-05	3.62E-07	3.19E-06	6.07E-06	4.01E-07	3.56E-06	6.82E-06	4.86E-07	4.12E-06	8.05E-06	5.15E-07	4.38E-06	8.57E-06	4.04E-07	3.46E-06	6.62E-06
3,402	1.01E-06	8.70E-06	1.71E-05	9.07E-07	7.80E-06	1.51E-05	3.62E-07	3.19E-06	6.07E-06	4.01E-07	3.56E-06	6.82E-06	4.86E-07	4.12E-06	8.05E-06	5.15E-07	4.38E-06	8.56E-06	4.03E-07	3.46E-06	6.62E-06
3,403	1.01E-06	8.69E-06	1.71E-05	9.06E-07	7.79E-06	1.51E-05	3.62E-07	3.19E-06	6.07E-06	4.01E-07	3.56E-06	6.82E-06	4.86E-07	4.12E-06	8.04E-06	5.15E-07	4.38E-06	8.56E-06	4.03E-07	3.46E-06	6.62E-06
3,404	1.01E-06	8.69E-06	1.71E-05	9.06E-07	7.79E-06	1.51E-05	3.62E-07	3.19E-06	6.06E-06	4.01E-07	3.56E-06	6.81E-06	4.86E-07	4.11E-06	8.04E-06	5.15E-07	4.38E-06	8.56E-06	4.03E-07	3.46E-06	6.62E-06
3,405	1.01E-06	8.69E-06	1.71E-05	9.06E-07	7.78E-06	1.50E-05	3.62E-07	3.19E-06	6.06E-06	4.01E-07	3.56E-06	6.81E-06	4.86E-07	4.11E-06	8.04E-06	5.15E-07	4.38E-06	8.55E-06	4.03E-07	3.46E-06	6.62E-06
3,406	1.01E-06	8.69E-06	1.71E-05	9.06E-07	7.78E-06	1.50E-05	3.62E-07	3.19E-06	6.06E-06	4.01E-07	3.56E-06	6.81E-06	4.86E-07	4.11E-06	8.04E-06	5.14E-07	4.38E-06	8.55E-06	4.03E-07	3.46E-06	6.62E-06
3,407	1.01E-06	8.69E-06	1.71E-05	9.06E-07	7.78E-06	1.50E-05	3.61E-07	3.19E-06	6.06E-06	4.00E-07	3.55E-06	6.81E-06	4.85E-07	4.11E-06	8.03E-06	5.14E-07	4.38E-06	8.55E-06	4.03E-07	3.46E-06	6.61E-06
3,408	1.01E-06	8.68E-06	1.71E-05	9.06E-07	7.78E-06	1.50E-05	3.61E-07	3.18E-06	6.06E-06	4.00E-07	3.55E-06	6.81E-06	4.85E-07	4.11E-06	8.03E-06	5.14E-07	4.37E-06	8.55E-06	4.03E-07	3.45E-06	6.61E-06
3,409	1.01E-06	8.68E-06	1.71E-05	9.05E-07	7.77E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	4.00E-07	3.55E-06	6.81E-06	4.85E-07	4.11E-06	8.03E-06	5.14E-07	4.37E-06	8.54E-06	4.03E-07	3.45E-06	6.60E-06
3,410	1.01E-06	8.68E-06	1.70E-05	9.05E-07	7.76E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	4.00E-07	3.55E-06	6.81E-06	4.85E-07	4.11E-06	8.03E-06	5.14E-07	4.36E-06	8.54E-06	4.02E-07	3.45E-06	6.60E-06
3,411	1.01E-06	8.68E-06	1.70E-05	9.05E-07	7.76E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	3.99E-07	3.54E-06	6.80E-06	4.85E-07	4.11E-06	8.03E-06	5.14E-07	4.36E-06	8.54E-06	4.02E-07	3.45E-06	6.60E-06
3,412	1.01E-06	8.68E-06	1.70E-05	9.05E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	3.99E-07	3.54E-06	6.80E-06	4.84E-07	4.11E-06	8.02E-06	5.14E-07	4.36E-06	8.54E-06	4.02E-07	3.45E-06	6.60E-06
3,413	1.01E-06	8.67E-06	1.70E-05	9.05E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	3.99E-07	3.54E-06	6.80E-06	4.84E-07	4.11E-06	8.02E-06	5.14E-07	4.36E-06	8.53E-06	4.01E-07	3.44E-06	6.60E-06
3,414	1.01E-06	8.67E-06	1.70E-05	9.05E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.05E-06	3.99E-07	3.54E-06	6.80E-06	4.84E-07	4.10E-06	8.02E-06	5.13E-07	4.36E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,415	1.01E-06	8.67E-06	1.70E-05	9.05E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.80E-06	4.84E-07	4.10E-06	8.01E-06	5.13E-07	4.36E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,416	1.01E-06	8.66E-06	1.70E-05	9.05E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.79E-06	4.84E-07	4.10E-06	8.01E-06	5.13E-07	4.36E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,417	1.01E-06	8.66E-06	1.70E-05	9.04E-07	7.75E-06	1.50E-05	3.61E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.79E-06	4.84E-07	4.10E-06	8.00E-06	5.13E-07	4.35E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,418	1.01E-06	8.66E-06	1.70E-05	9.04E-07	7.75E-06	1.50E-05	3.60E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.79E-06	4.84E-07	4.10E-06	8.00E-06	5.13E-07	4.35E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,419	1.01E-06	8.65E-06	1.70E-05	9.03E-07	7.75E-06	1.50E-05	3.60E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.78E-06	4.84E-07	4.10E-06	8.00E-06	5.11E-07	4.35E-06	8.52E-06	4.01E-07	3.44E-06	6.60E-06
3,420	1.01E-06	8.65E-06	1.70E-05	9.03E-07	7.74E-06	1.50E-05	3.60E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.78E-06	4.84E-07	4.10E-06	8.00E-06	5.11E-07	4.35E-06	8.52E-06	4.01E-07	3.43E-06	6.60E-06
3,421	1.01E-06	8.65E-06	1.70E-05	9.02E-07	7.74E-06	1.50E-05	3.60E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.78E-06	4.84E-07	4.09E-06	8.00E-06	5.11E-07	4.34E-06	8.52E-06	4.00E-07	3.43E-06	6.60E-06
3,422	1.01E-06	8.65E-06	1.70E-05	9.02E-07	7.73E-06	1.50E-05	3.60E-07	3.18E-06	6.04E-06	3.99E-07	3.54E-06	6.78E-06	4.83E-07	4.09E-06	7.99E-06	5.11E-07	4.34E-06	8.51E-06	4.00E-07	3.43E-06	6.59E-06
3,423	1.01E-06	8.65E-06	1.70E-05	9.01E-07	7.73E-06	1.50E-05	3.60E-07	3.17E-06	6.03E-06	3.98E-07	3.54E-06	6.78E-06	4.83E-07	4.09E-06	7.99E-06	5.11E-07	4.34E-06	8.51E-06	4.00E-07	3.43E-06	6.59E-06
3,424	1.00E-06	8.64E-06	1.70E-05	9.01E-07	7.73E-06	1.50E-05	3.60E-07	3.17E-06	6.03E-06	3.98E-07	3.53E-06	6.77E-06	4.83E-07	4.09E-06	7.99E-06	5.10E-07	4.34E-06	8.50E-06	4.00E-07	3.43E-06	6.59E-06
3,425	1.00E-06	8.64E-06	1.70E-05	9.01E-07	7.73E-06	1.50E-05	3.60E-07	3.17E-06	6.03E-06	3.98E-07	3.53E-06	6.77E-06	4.83E-07	4.09E-06	7.99E-06	5.10E-07	4.34E-06	8.50E-06	4.00E-07	3.43E-06	6.59E-06
3,426	1.00E-06	8.64E-06	1.70E-05	9.00E-07	7.72E-06	1.49E-05	3.59E-07	3.17E-06	6.03E-06	3.98E-07	3.53E-06	6.77E-06	4.83E-07	4.09E-06	7.98E-06	5.10E-07	4.33E-06	8.49E-06	3.99E-07	3.43E-06	6.59E-06
3,427	1.00E-06	8.64E-06	1.69E-05	8.99E-07	7.72E-06	1.49E-05	3.59E-07	3.17E-06	6.03E-06	3.98E-07	3.53E-06	6.77E-06	4.83E-07	4.08E-06	7.97E-06	5.10E-07	4.33E-06	8.48E-06	3.99E-07	3.43E-06	6.58E-06
3,428	1.00E-06	8.63E-06	1.69E-05	8.99E-07	7.72E-06	1.49E-05	3.59E-07	3.17E-06	6.03E-06	3.98E-07	3.53E-06	6.77E-06	4.82E-07	4.08E-06	7.97E-06	5.10E-07	4.33E-06	8.48E-06	3.99E-07	3.42E-06	6.58E-06
3,429	1.00E-06	8.63E-06	1.69E-05	8.98E-07	7.72E-06	1.49E-05	3.59E-07	3.16E-06	6.03E-06	3.98E-07	3.52E-06	6.77E-06	4.82E-07	4.08E-06	7.97E-06	5.10E-07	4.33E-06	8.48E-06	3.99E-07	3.42E-06	6.58E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,450	9.97E-07	8.58E-06	1.68E-05	8.95E-07	7.66E-06	1.48E-05	3.57E-07	3.14E-06	5.99E-06	3.95E-07	3.50E-06	6.73E-06	4.79E-07	4.05E-06	7.92E-06	5.05E-07	4.29E-06	8.41E-06	3.97E-07	3.40E-06	6.54E-06
3,451	9.97E-07	8.58E-06	1.68E-05	8.94E-07	7.66E-06	1.48E-05	3.57E-07	3.14E-06	5.99E-06	3.95E-07	3.50E-06	6.73E-06	4.79E-07	4.05E-06	7.92E-06	5.05E-07	4.29E-06	8.41E-06	3.96E-07	3.40E-06	6.54E-06
3,452	9.96E-07	8.57E-06	1.68E-05	8.93E-07	7.66E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.73E-06	4.79E-07	4.05E-06	7.91E-06	5.05E-07	4.29E-06	8.41E-06	3.96E-07	3.40E-06	6.54E-06
3,453	9.96E-07	8.57E-06	1.68E-05	8.93E-07	7.66E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.73E-06	4.79E-07	4.05E-06	7.91E-06	5.05E-07	4.29E-06	8.41E-06	3.96E-07	3.40E-06	6.54E-06
3,454	9.96E-07	8.57E-06	1.68E-05	8.93E-07	7.65E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.72E-06	4.79E-07	4.04E-06	7.91E-06	5.05E-07	4.29E-06	8.41E-06	3.96E-07	3.39E-06	6.54E-06
3,455	9.96E-07	8.57E-06	1.68E-05	8.93E-07	7.65E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.72E-06	4.79E-07	4.04E-06	7.90E-06	5.04E-07	4.29E-06	8.41E-06	3.96E-07	3.39E-06	6.54E-06
3,456	9.96E-07	8.56E-06	1.68E-05	8.92E-07	7.65E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.71E-06	4.78E-07	4.04E-06	7.90E-06	5.04E-07	4.28E-06	8.41E-06	3.95E-07	3.39E-06	6.53E-06
3,457	9.95E-07	8.56E-06	1.68E-05	8.92E-07	7.65E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.71E-06	4.78E-07	4.04E-06	7.90E-06	5.04E-07	4.28E-06	8.41E-06	3.95E-07	3.39E-06	6.53E-06
3,458	9.94E-07	8.56E-06	1.68E-05	8.91E-07	7.64E-06	1.48E-05	3.57E-07	3.14E-06	5.98E-06	3.95E-07	3.50E-06	6.71E-06	4.78E-07	4.04E-06	7.90E-06	5.04E-07	4.28E-06	8.40E-06	3.95E-07	3.39E-06	6.53E-06
3,459	9.93E-07	8.55E-06	1.68E-05	8.91E-07	7.64E-06	1.48E-05	3.56E-07	3.13E-06	5.98E-06	3.94E-07	3.50E-06	6.71E-06	4.78E-07	4.04E-06	7.90E-06	5.04E-07	4.28E-06	8.40E-06	3.95E-07	3.39E-06	6.53E-06
3,460	9.93E-07	8.55E-06	1.68E-05	8.91E-07	7.64E-06	1.48E-05	3.56E-07	3.13E-06	5.97E-06	3.94E-07	3.50E-06	6.71E-06	4.78E-07	4.03E-06	7.89E-06	5.03E-07	4.28E-06	8.39E-06	3.95E-07	3.39E-06	6.53E-06
3,461	9.93E-07	8.55E-06	1.68E-05	8.91E-07	7.63E-06	1.48E-05	3.56E-07	3.13E-06	5.97E-06	3.94E-07	3.50E-06	6.71E-06	4.77E-07	4.03E-06	7.89E-06	5.03E-07	4.28E-06	8.39E-06	3.95E-07	3.39E-06	6.53E-06
3,462	9.93E-07	8.55E-06	1.68E-05	8.90E-07	7.63E-06	1.48E-05	3.56E-07	3.13E-06	5.96E-06	3.94E-07	3.50E-06	6.71E-06	4.77E-07	4.03E-06	7.89E-06	5.03E-07	4.27E-06	8.39E-06	3.95E-07	3.39E-06	6.52E-06
3,463	9.93E-07	8.55E-06	1.68E-05	8.90E-07	7.63E-06	1.48E-05	3.56E-07	3.13E-06	5.96E-06	3.94E-07	3.49E-06	6.71E-06	4.77E-07	4.03E-06	7.89E-06	5.03E-07	4.27E-06	8.39E-06	3.94E-07	3.39E-06	6.52E-06
3,464	9.92E-07	8.55E-06	1.67E-05	8.90E-07	7.63E-06	1.48E-05	3.55E-07	3.13E-06	5.96E-06	3.94E-07	3.49E-06	6.71E-06	4.77E-07	4.03E-06	7.88E-06	5.02E-07	4.27E-06	8.39E-06	3.94E-07	3.39E-06	6.52E-06
3,465	9.92E-07	8.54E-06	1.67E-05	8.90E-07	7.62E-06	1.48E-05	3.55E-07	3.13E-06	5.96E-06	3.94E-07	3.49E-06	6.71E-06	4.77E-07	4.03E-06	7.88E-06	5.02E-07	4.27E-06	8.38E-06	3.94E-07	3.39E-06	6.52E-06
3,466	9.91E-07	8.54E-06	1.67E-05	8.89E-07	7.62E-06	1.48E-05	3.55E-07	3.13E-06	5.96E-06	3.94E-07	3.49E-06	6.70E-06	4.76E-07	4.03E-06	7.88E-06	5.02E-07	4.27E-06	8.38E-06	3.94E-07	3.39E-06	6.52E-06
3,467	9.91E-07	8.54E-06	1.67E-05	8.89E-07	7.62E-06	1.48E-05	3.55E-07	3.12E-06	5.96E-06	3.94E-07	3.49E-06	6.70E-06	4.76E-07	4.03E-06	7.88E-06	5.02E-07	4.27E-06	8.38E-06	3.94E-07	3.39E-06	6.51E-06
3,468	9.91E-07	8.54E-06	1.67E-05	8.89E-07	7.62E-06	1.47E-05	3.55E-07	3.12E-06	5.96E-06	3.94E-07	3.49E-06	6.70E-06	4.76E-07	4.03E-06	7.88E-06	5.02E-07	4.27E-06	8.38E-06	3.94E-07	3.39E-06	6.51E-06
3,469	9.91E-07	8.53E-06	1.67E-05	8.88E-07	7.62E-06	1.47E-05	3.55E-07	3.12E-06	5.95E-06	3.94E-07	3.49E-06	6.70E-06	4.76E-07	4.02E-06	7.88E-06	5.02E-07	4.27E-06	8.38E-06	3.93E-07	3.39E-06	6.50E-06
3,470	9.91E-07	8.53E-06	1.67E-05	8.87E-07	7.62E-06	1.47E-05	3.55E-07	3.12E-06	5.95E-06	3.93E-07	3.49E-06	6.69E-06	4.76E-07	4.02E-06	7.88E-06	5.02E-07	4.26E-06	8.37E-06	3.93E-07	3.39E-06	6.50E-06
3,471	9.91E-07	8.53E-06	1.67E-05	8.87E-07	7.62E-06	1.47E-05	3.55E-07	3.12E-06	5.95E-06	3.93E-07	3.49E-06	6.69E-06	4.76E-07	4.02E-06	7.87E-06	5.02E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,472	9.91E-07	8.53E-06	1.67E-05	8.86E-07	7.61E-06	1.47E-05	3.55E-07	3.12E-06	5.95E-06	3.93E-07	3.48E-06	6.69E-06	4.76E-07	4.02E-06	7.87E-06	5.01E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,473	9.90E-07	8.52E-06	1.67E-05	8.86E-07	7.61E-06	1.47E-05	3.55E-07	3.12E-06	5.95E-06	3.93E-07	3.48E-06	6.69E-06	4.76E-07	4.02E-06	7.87E-06	5.01E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,474	9.90E-07	8.51E-06	1.67E-05	8.86E-07	7.61E-06	1.47E-05	3.55E-07	3.12E-06	5.94E-06	3.93E-07	3.48E-06	6.69E-06	4.76E-07	4.02E-06	7.84E-06	5.01E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,475	9.90E-07	8.51E-06	1.67E-05	8.85E-07	7.61E-06	1.47E-05	3.55E-07	3.12E-06	5.94E-06	3.93E-07	3.48E-06	6.69E-06	4.76E-07	4.01E-06	7.84E-06	5.01E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,476	9.89E-07	8.50E-06	1.67E-05	8.84E-07	7.60E-06	1.47E-05	3.55E-07	3.12E-06	5.94E-06	3.93E-07	3.48E-06	6.69E-06	4.75E-07	4.01E-06	7.83E-06	5.01E-07	4.26E-06	8.37E-06	3.93E-07	3.38E-06	6.50E-06
3,477	9.89E-07	8.50E-06	1.67E-05	8.84E-07	7.60E-06	1.47E-05	3.55E-07	3.11E-06	5.94E-06	3.93E-07	3.48E-06	6.69E-06	4.75E-07	4.01E-06	7.83E-06	5.01E-07	4.25E-06	8.36E-06	3.93E-07	3.38E-06	6.49E-06
3,478	9.89E-07	8.49E-06	1.67E-05	8.84E-07	7.59E-06	1.47E-05	3.55E-07	3.11E-06	5.93E-06	3.93E-07	3.47E-06	6.69E-06	4.75E-07	4.00E-06	7.83E-06	5.01E-07	4.25E-06	8.36E-06	3.92E-07	3.38E-06	6.49E-06
3,479	9.89E-07	8.49E-06	1.67E-05	8.83E-07	7.59E-06	1.47E-05	3.55E-07	3.11E-06	5.93E-06	3.93E-07	3.47E-06	6.69E-06	4.75E-07	3.99E-06	7.83E-06	5.01E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.49E-06
3,480	9.88E-07	8.49E-06	1.67E-05	8.82E-07	7.59E-06	1.47E-05	3.55E-07	3.11E-06	5.93E-06	3.92E-07	3.47E-06	6.68E-06	4.75E-07	3.99E-06	7.82E-06	5.01E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.49E-06
3,481	9.88E-07	8.49E-06	1.67E-05	8.82E-07	7.59E-06	1.47E-05	3.55E-07	3.11E-06	5.93E-06	3.92E-07	3.47E-06	6.68E-06	4.75E-07	3.99E-06	7.82E-06	5.00E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.48E-06
3,482	9.88E-07	8.48E-06	1.67E-05	8.82E-07	7.59E-06	1.47E-05	3.54E-07	3.11E-06	5.93E-06	3.92E-07	3.47E-06	6.68E-06	4.75E-07	3.99E-06	7.82E-06	5.00E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.48E-06
3,483	9.88E-07	8.48E-06	1.67E-05	8.81E-07	7.59E-06	1.47E-05	3.54E-07	3.11E-06	5.93E-06	3.92E-07	3.47E-06	6.68E-06	4.75E-07	3.99E-06	7.82E-06	5.00E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.48E-06
3,484	9.87E-07	8.48E-06	1.66E-05	8.81E-07	7.58E-06	1.47E-05	3.54E-07	3.11E-06	5.92E-06	3.92E-07	3.47E-06	6.68E-06	4.74E-07	3.98E-06	7.82E-06	5.00E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.47E-06
3,485	9.87E-07	8.47E-06	1.66E-05	8.81E-07	7.57E-06	1.47E-05	3.54E-07	3.11E-06	5.92E-06	3.92E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.82E-06	4.99E-07	4.25E-06	8.35E-06	3.92E-07	3.37E-06	6.47E-06
3,486	9.87E-07	8.47E-06	1.66E-05	8.80E-07	7.56E-06	1.46E-05	3.54E-07	3.11E-06	5.92E-06	3.92E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.82E-06	4.99E-07	4.25E-06	8.35E-06	3.91E-07	3.37E-06	6.47E-06
3,487	9.86E-07	8.47E-06	1.66E-05	8.80E-07	7.56E-06	1.46E-05	3.54E-07	3.10E-06	5.92E-06	3.92E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.82E-06	4.99E-07	4.25E-06	8.35E-06	3.91E-07	3.37E-06	6.46E-06
3,488	9.86E-07	8.47E-06	1.66E-05	8.80E-07	7.56E-06	1.46E-05	3.54E-07	3.10E-06	5.92E-06	3.92E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.82E-06	4.99E-07	4.25E-06	8.34E-06	3.91E-07	3.37E-06	6.46E-06
3,489	9.85E-07	8.46E-06	1.66E-05	8.80E-07	7.55E-06	1.46E-05	3.54E-07	3.10E-06	5.92E-06	3.92E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.81E-06	4.99E-07	4.24E-06	8.34E-06	3.91E-07	3.36E-06	6.46E-06
3,490	9.84E-07	8.46E-06	1.66E-05	8.80E-07	7.55E-06	1.46E-05	3.53E-07	3.10E-06	5.91E-06	3.91E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.81E-06	4.98E-07	4.24E-06	8.34E-06	3.91E-07	3.36E-06	6.46E-06
3,491	9.83E-07	8.46E-06	1.66E-05	8.80E-07	7.55E-06	1.46E-05	3.53E-07	3.10E-06	5.91E-06	3.91E-07	3.46E-06	6.67E-06	4.74E-07	3.98E-06	7.81E-06	4.98E-07	4.24E-06	8.34E-06	3.91E-07	3.36E-06	6.46E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,512	9.76E-07	8.39E-06	1.65E-05	8.73E-07	7.48E-06	1.45E-05	3.51E-07	3.08E-06	5.87E-06	3.89E-07	3.43E-06	6.63E-06	4.70E-07	3.95E-06	7.77E-06	4.94E-07	4.22E-06	8.27E-06	3.87E-07	3.33E-06	6.42E-06
3,513	9.76E-07	8.39E-06	1.65E-05	8.73E-07	7.48E-06	1.45E-05	3.51E-07	3.08E-06	5.86E-06	3.89E-07	3.43E-06	6.63E-06	4.69E-07	3.95E-06	7.77E-06	4.94E-07	4.22E-06	8.27E-06	3.86E-07	3.33E-06	6.42E-06
3,514	9.76E-07	8.38E-06	1.65E-05	8.73E-07	7.48E-06	1.45E-05	3.51E-07	3.08E-06	5.86E-06	3.89E-07	3.42E-06	6.63E-06	4.69E-07	3.95E-06	7.77E-06	4.94E-07	4.22E-06	8.27E-06	3.86E-07	3.33E-06	6.42E-06
3,515	9.75E-07	8.38E-06	1.65E-05	8.72E-07	7.47E-06	1.45E-05	3.51E-07	3.08E-06	5.86E-06	3.89E-07	3.42E-06	6.63E-06	4.69E-07	3.95E-06	7.76E-06	4.94E-07	4.22E-06	8.27E-06	3.86E-07	3.33E-06	6.42E-06
3,516	9.74E-07	8.38E-06	1.65E-05	8.72E-07	7.47E-06	1.45E-05	3.51E-07	3.08E-06	5.86E-06	3.88E-07	3.42E-06	6.63E-06	4.69E-07	3.95E-06	7.76E-06	4.94E-07	4.22E-06	8.26E-06	3.86E-07	3.33E-06	6.41E-06
3,517	9.73E-07	8.38E-06	1.65E-05	8.72E-07	7.47E-06	1.45E-05	3.51E-07	3.08E-06	5.85E-06	3.88E-07	3.42E-06	6.62E-06	4.69E-07	3.94E-06	7.76E-06	4.94E-07	4.21E-06	8.26E-06	3.86E-07	3.33E-06	6.41E-06
3,518	9.73E-07	8.38E-06	1.65E-05	8.72E-07	7.47E-06	1.45E-05	3.51E-07	3.07E-06	5.85E-06	3.88E-07	3.42E-06	6.62E-06	4.69E-07	3.94E-06	7.76E-06	4.93E-07	4.21E-06	8.26E-06	3.86E-07	3.33E-06	6.41E-06
3,519	9.73E-07	8.38E-06	1.65E-05	8.72E-07	7.47E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.88E-07	3.42E-06	6.62E-06	4.69E-07	3.94E-06	7.75E-06	4.93E-07	4.21E-06	8.26E-06	3.86E-07	3.33E-06	6.40E-06
3,520	9.73E-07	8.37E-06	1.65E-05	8.71E-07	7.47E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.88E-07	3.42E-06	6.62E-06	4.69E-07	3.94E-06	7.75E-06	4.93E-07	4.21E-06	8.26E-06	3.86E-07	3.33E-06	6.40E-06
3,521	9.72E-07	8.37E-06	1.65E-05	8.71E-07	7.46E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.87E-07	3.42E-06	6.62E-06	4.69E-07	3.94E-06	7.75E-06	4.93E-07	4.21E-06	8.26E-06	3.86E-07	3.33E-06	6.40E-06
3,522	9.72E-07	8.37E-06	1.65E-05	8.71E-07	7.46E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.87E-07	3.41E-06	6.62E-06	4.68E-07	3.94E-06	7.75E-06	4.93E-07	4.21E-06	8.25E-06	3.86E-07	3.33E-06	6.40E-06
3,523	9.72E-07	8.37E-06	1.65E-05	8.70E-07	7.45E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.87E-07	3.41E-06	6.62E-06	4.68E-07	3.94E-06	7.74E-06	4.93E-07	4.21E-06	8.25E-06	3.86E-07	3.33E-06	6.40E-06
3,524	9.71E-07	8.36E-06	1.65E-05	8.70E-07	7.45E-06	1.45E-05	3.50E-07	3.07E-06	5.85E-06	3.87E-07	3.41E-06	6.61E-06	4.68E-07	3.94E-06	7.74E-06	4.93E-07	4.21E-06	8.25E-06	3.85E-07	3.32E-06	6.39E-06
3,525	9.71E-07	8.36E-06	1.65E-05	8.69E-07	7.45E-06	1.45E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.61E-06	4.68E-07	3.94E-06	7.74E-06	4.93E-07	4.21E-06	8.24E-06	3.85E-07	3.32E-06	6.39E-06
3,526	9.71E-07	8.35E-06	1.64E-05	8.69E-07	7.45E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.61E-06	4.68E-07	3.93E-06	7.74E-06	4.93E-07	4.20E-06	8.24E-06	3.85E-07	3.32E-06	6.39E-06
3,527	9.71E-07	8.35E-06	1.64E-05	8.69E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.61E-06	4.68E-07	3.93E-06	7.73E-06	4.93E-07	4.20E-06	8.24E-06	3.85E-07	3.32E-06	6.39E-06
3,528	9.70E-07	8.35E-06	1.64E-05	8.68E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.61E-06	4.68E-07	3.93E-06	7.73E-06	4.92E-07	4.20E-06	8.24E-06	3.85E-07	3.32E-06	6.39E-06
3,529	9.70E-07	8.35E-06	1.64E-05	8.68E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.60E-06	4.68E-07	3.93E-06	7.73E-06	4.92E-07	4.20E-06	8.23E-06	3.85E-07	3.31E-06	6.39E-06
3,530	9.69E-07	8.35E-06	1.64E-05	8.68E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.60E-06	4.67E-07	3.93E-06	7.73E-06	4.92E-07	4.20E-06	8.23E-06	3.84E-07	3.31E-06	6.39E-06
3,531	9.69E-07	8.35E-06	1.64E-05	8.68E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.87E-07	3.41E-06	6.60E-06	4.67E-07	3.93E-06	7.73E-06	4.92E-07	4.20E-06	8.23E-06	3.84E-07	3.31E-06	6.39E-06
3,532	9.67E-07	8.35E-06	1.64E-05	8.68E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.86E-07	3.41E-06	6.60E-06	4.67E-07	3.93E-06	7.72E-06	4.92E-07	4.20E-06	8.23E-06	3.84E-07	3.31E-06	6.38E-06
3,533	9.67E-07	8.34E-06	1.64E-05	8.67E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.84E-06	3.86E-07	3.40E-06	6.60E-06	4.67E-07	3.92E-06	7.72E-06	4.92E-07	4.20E-06	8.23E-06	3.84E-07	3.31E-06	6.38E-06
3,534	9.67E-07	8.34E-06	1.64E-05	8.67E-07	7.44E-06	1.44E-05	3.49E-07	3.06E-06	5.83E-06	3.86E-07	3.40E-06	6.59E-06	4.66E-07	3.92E-06	7.72E-06	4.92E-07	4.20E-06	8.23E-06	3.84E-07	3.31E-06	6.38E-06
3,535	9.67E-07	8.34E-06	1.64E-05	8.67E-07	7.43E-06	1.44E-05	3.49E-07	3.05E-06	5.83E-06	3.86E-07	3.40E-06	6.59E-06	4.66E-07	3.92E-06	7.71E-06	4.91E-07	4.19E-06	8.23E-06	3.84E-07	3.31E-06	6.38E-06
3,536	9.67E-07	8.34E-06	1.64E-05	8.66E-07	7.43E-06	1.44E-05	3.49E-07	3.05E-06	5.83E-06	3.86E-07	3.40E-06	6.59E-06	4.66E-07	3.92E-06	7.71E-06	4.91E-07	4.19E-06	8.22E-06	3.84E-07	3.31E-06	6.38E-06
3,537	9.66E-07	8.34E-06	1.64E-05	8.66E-07	7.42E-06	1.44E-05	3.48E-07	3.05E-06	5.83E-06	3.86E-07	3.40E-06	6.58E-06	4.66E-07	3.92E-06	7.70E-06	4.91E-07	4.19E-06	8.22E-06	3.84E-07	3.31E-06	6.38E-06
3,538	9.65E-07	8.34E-06	1.64E-05	8.66E-07	7.42E-06	1.44E-05	3.48E-07	3.05E-06	5.83E-06	3.86E-07	3.40E-06	6.58E-06	4.66E-07	3.92E-06	7.69E-06	4.90E-07	4.19E-06	8.22E-06	3.84E-07	3.31E-06	6.37E-06
3,539	9.64E-07	8.33E-06	1.64E-05	8.66E-07	7.42E-06	1.44E-05	3.48E-07	3.05E-06	5.83E-06	3.86E-07	3.40E-06	6.58E-06	4.65E-07	3.92E-06	7.69E-06	4.90E-07	4.19E-06	8.22E-06	3.84E-07	3.31E-06	6.37E-06
3,540	9.64E-07	8.33E-06	1.64E-05	8.65E-07	7.42E-06	1.44E-05	3.48E-07	3.05E-06	5.83E-06	3.86E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.69E-06	4.90E-07	4.18E-06	8.21E-06	3.84E-07	3.31E-06	6.37E-06
3,541	9.64E-07	8.32E-06	1.64E-05	8.65E-07	7.42E-06	1.43E-05	3.48E-07	3.05E-06	5.82E-06	3.85E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.69E-06	4.90E-07	4.18E-06	8.21E-06	3.84E-07	3.31E-06	6.37E-06
3,542	9.64E-07	8.32E-06	1.64E-05	8.65E-07	7.42E-06	1.43E-05	3.48E-07	3.05E-06	5.82E-06	3.85E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.69E-06	4.90E-07	4.18E-06	8.21E-06	3.84E-07	3.30E-06	6.37E-06
3,543	9.64E-07	8.32E-06	1.64E-05	8.65E-07	7.41E-06	1.43E-05	3.48E-07	3.05E-06	5.82E-06	3.85E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.69E-06	4.90E-07	4.18E-06	8.21E-06	3.83E-07	3.30E-06	6.37E-06
3,544	9.63E-07	8.32E-06	1.64E-05	8.64E-07	7.41E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.85E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.69E-06	4.90E-07	4.18E-06	8.20E-06	3.83E-07	3.30E-06	6.37E-06
3,545	9.63E-07	8.31E-06	1.64E-05	8.64E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.85E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.68E-06	4.89E-07	4.17E-06	8.20E-06	3.83E-07	3.30E-06	6.37E-06
3,546	9.63E-07	8.31E-06	1.64E-05	8.64E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.84E-07	3.39E-06	6.58E-06	4.65E-07	3.91E-06	7.68E-06	4.89E-07	4.17E-06	8.20E-06	3.83E-07	3.30E-06	6.36E-06
3,547	9.62E-07	8.31E-06	1.64E-05	8.64E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.84E-07	3.39E-06	6.58E-06	4.64E-07	3.91E-06	7.68E-06	4.89E-07	4.17E-06	8.20E-06	3.83E-07	3.29E-06	6.36E-06
3,548	9.62E-07	8.31E-06	1.64E-05	8.63E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.84E-07	3.39E-06	6.57E-06	4.63E-07	3.91E-06	7.68E-06	4.89E-07	4.17E-06	8.20E-06	3.83E-07	3.29E-06	6.36E-06
3,549	9.62E-07	8.31E-06	1.64E-05	8.63E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.84E-07	3.39E-06	6.57E-06	4.63E-07	3.91E-06	7.68E-06	4.89E-07	4.17E-06	8.19E-06	3.83E-07	3.29E-06	6.36E-06
3,550	9.61E-07	8.30E-06	1.63E-05	8.63E-07	7.40E-06	1.43E-05	3.47E-07	3.05E-06	5.81E-06	3.84E-07	3.38E-06	6.57E-06	4.63E-07	3.90E-06	7.67E-06	4.89E-07	4.17E-06	8.19E-06	3.82E-07	3.29E-06	6.36E-06
3,551	9.61E-07	8.30E-06	1.63E-05	8.63E-07	7.40E-06	1.43E-05	3.47E-07	3.04E-06	5.80E-06	3.84E-07	3.38E-06	6.57E-06	4.63E-07	3.90E-06	7.67E-06	4.89E-07	4.17E-06	8.18E-06	3.82E-07	3.29E-06	6.36E-06
3,552	9.60E-07	8.30E-06	1.63E-05	8.63E-07	7.39E-06	1.43E-05	3.47E-07	3.04E-06	5.80E-06	3.84E-07	3.38E-06	6.57E-06	4.63E-07	3.90E-06	7.67E-06	4.89E-07	4.17E-06	8.18E-06	3.82E-07	3.29E-06	6.35E-06
3,553	9.59E-07	8.30E-06	1.63E-05	8.62E-07	7.38E-06	1.43E-05	3.47E-07	3.04E-06	5.80E-06	3.83E-07	3.38E-06	6.57E-06	4.63E-07	3.90E-06	7.67E-06	4.89E-07	4.17E-06	8.18E-06	3.82E-07	3.29E-06	6.35E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,574	9.53E-07	8.22E-06	1.62E-05	8.56E-07	7.32E-06	1.42E-05	3.44E-07	3.03E-06	5.77E-06	3.81E-07	3.36E-06	6.53E-06	4.60E-07	3.87E-06	7.63E-06	4.86E-07	4.14E-06	8.15E-06	3.79E-07	3.27E-06	6.31E-06
3,575	9.53E-07	8.22E-06	1.62E-05	8.56E-07	7.32E-06	1.42E-05	3.44E-07	3.03E-06	5.76E-06	3.81E-07	3.36E-06	6.52E-06	4.60E-07	3.86E-06	7.63E-06	4.86E-07	4.14E-06	8.14E-06	3.79E-07	3.27E-06	6.31E-06
3,576	9.53E-07	8.22E-06	1.62E-05	8.56E-07	7.32E-06	1.42E-05	3.44E-07	3.02E-06	5.76E-06	3.81E-07	3.35E-06	6.52E-06	4.60E-07	3.86E-06	7.63E-06	4.86E-07	4.14E-06	8.14E-06	3.79E-07	3.27E-06	6.31E-06
3,577	9.52E-07	8.22E-06	1.62E-05	8.55E-07	7.31E-06	1.42E-05	3.44E-07	3.02E-06	5.76E-06	3.81E-07	3.35E-06	6.52E-06	4.60E-07	3.86E-06	7.63E-06	4.85E-07	4.14E-06	8.14E-06	3.79E-07	3.27E-06	6.31E-06
3,578	9.51E-07	8.21E-06	1.62E-05	8.54E-07	7.31E-06	1.42E-05	3.43E-07	3.02E-06	5.75E-06	3.81E-07	3.35E-06	6.52E-06	4.60E-07	3.86E-06	7.63E-06	4.85E-07	4.14E-06	8.14E-06	3.79E-07	3.27E-06	6.31E-06
3,579	9.51E-07	8.21E-06	1.62E-05	8.54E-07	7.31E-06	1.41E-05	3.43E-07	3.02E-06	5.75E-06	3.81E-07	3.35E-06	6.51E-06	4.59E-07	3.86E-06	7.63E-06	4.85E-07	4.14E-06	8.14E-06	3.79E-07	3.26E-06	6.31E-06
3,580	9.51E-07	8.21E-06	1.62E-05	8.53E-07	7.30E-06	1.41E-05	3.43E-07	3.02E-06	5.75E-06	3.81E-07	3.35E-06	6.51E-06	4.59E-07	3.86E-06	7.63E-06	4.85E-07	4.14E-06	8.14E-06	3.79E-07	3.26E-06	6.30E-06
3,581	9.51E-07	8.21E-06	1.62E-05	8.52E-07	7.30E-06	1.41E-05	3.43E-07	3.02E-06	5.75E-06	3.81E-07	3.35E-06	6.51E-06	4.59E-07	3.86E-06	7.62E-06	4.85E-07	4.14E-06	8.13E-06	3.79E-07	3.26E-06	6.30E-06
3,582	9.50E-07	8.21E-06	1.62E-05	8.52E-07	7.30E-06	1.41E-05	3.43E-07	3.02E-06	5.74E-06	3.81E-07	3.35E-06	6.51E-06	4.59E-07	3.85E-06	7.62E-06	4.85E-07	4.13E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,583	9.50E-07	8.21E-06	1.62E-05	8.52E-07	7.29E-06	1.41E-05	3.43E-07	3.02E-06	5.74E-06	3.81E-07	3.35E-06	6.51E-06	4.59E-07	3.85E-06	7.62E-06	4.85E-07	4.13E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,584	9.50E-07	8.20E-06	1.62E-05	8.51E-07	7.29E-06	1.41E-05	3.43E-07	3.02E-06	5.74E-06	3.81E-07	3.34E-06	6.50E-06	4.59E-07	3.85E-06	7.62E-06	4.85E-07	4.12E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,585	9.49E-07	8.20E-06	1.61E-05	8.51E-07	7.28E-06	1.41E-05	3.43E-07	3.02E-06	5.74E-06	3.81E-07	3.34E-06	6.50E-06	4.59E-07	3.85E-06	7.61E-06	4.85E-07	4.12E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,586	9.49E-07	8.20E-06	1.61E-05	8.50E-07	7.28E-06	1.41E-05	3.43E-07	3.02E-06	5.74E-06	3.81E-07	3.34E-06	6.50E-06	4.59E-07	3.85E-06	7.61E-06	4.85E-07	4.12E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,587	9.49E-07	8.20E-06	1.61E-05	8.50E-07	7.26E-06	1.41E-05	3.43E-07	3.02E-06	5.73E-06	3.80E-07	3.34E-06	6.49E-06	4.58E-07	3.85E-06	7.61E-06	4.84E-07	4.12E-06	8.13E-06	3.78E-07	3.26E-06	6.29E-06
3,588	9.49E-07	8.20E-06	1.61E-05	8.49E-07	7.26E-06	1.41E-05	3.43E-07	3.02E-06	5.73E-06	3.80E-07	3.34E-06	6.49E-06	4.58E-07	3.85E-06	7.61E-06	4.84E-07	4.12E-06	8.12E-06	3.78E-07	3.25E-06	6.28E-06
3,589	9.48E-07	8.20E-06	1.61E-05	8.49E-07	7.26E-06	1.41E-05	3.43E-07	3.02E-06	5.73E-06	3.80E-07	3.34E-06	6.49E-06	4.58E-07	3.85E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.78E-07	3.25E-06	6.28E-06
3,590	9.47E-07	8.18E-06	1.61E-05	8.49E-07	7.26E-06	1.41E-05	3.43E-07	3.01E-06	5.73E-06	3.80E-07	3.34E-06	6.49E-06	4.58E-07	3.85E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.78E-07	3.25E-06	6.28E-06
3,591	9.47E-07	8.17E-06	1.61E-05	8.49E-07	7.25E-06	1.41E-05	3.42E-07	3.01E-06	5.73E-06	3.80E-07	3.34E-06	6.49E-06	4.58E-07	3.85E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.78E-07	3.25E-06	6.28E-06
3,592	9.46E-07	8.17E-06	1.61E-05	8.49E-07	7.25E-06	1.41E-05	3.42E-07	3.01E-06	5.73E-06	3.80E-07	3.33E-06	6.49E-06	4.58E-07	3.84E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.77E-07	3.25E-06	6.28E-06
3,593	9.46E-07	8.17E-06	1.61E-05	8.48E-07	7.25E-06	1.41E-05	3.42E-07	3.01E-06	5.73E-06	3.80E-07	3.33E-06	6.49E-06	4.57E-07	3.84E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.77E-07	3.25E-06	6.28E-06
3,594	9.45E-07	8.17E-06	1.61E-05	8.48E-07	7.23E-06	1.41E-05	3.42E-07	3.01E-06	5.73E-06	3.80E-07	3.33E-06	6.49E-06	4.57E-07	3.84E-06	7.60E-06	4.84E-07	4.12E-06	8.12E-06	3.77E-07	3.25E-06	6.28E-06
3,595	9.45E-07	8.17E-06	1.61E-05	8.47E-07	7.23E-06	1.41E-05	3.42E-07	3.01E-06	5.72E-06	3.80E-07	3.33E-06	6.48E-06	4.57E-07	3.84E-06	7.60E-06	4.84E-07	4.11E-06	8.12E-06	3.77E-07	3.25E-06	6.27E-06
3,596	9.45E-07	8.17E-06	1.61E-05	8.47E-07	7.23E-06	1.40E-05	3.42E-07	3.01E-06	5.72E-06	3.80E-07	3.33E-06	6.48E-06	4.57E-07	3.84E-06	7.60E-06	4.84E-07	4.11E-06	8.11E-06	3.77E-07	3.25E-06	6.27E-06
3,597	9.45E-07	8.16E-06	1.61E-05	8.47E-07	7.23E-06	1.40E-05	3.42E-07	3.00E-06	5.72E-06	3.80E-07	3.33E-06	6.48E-06	4.57E-07	3.84E-06	7.59E-06	4.84E-07	4.11E-06	8.11E-06	3.77E-07	3.24E-06	6.27E-06
3,598	9.45E-07	8.15E-06	1.61E-05	8.46E-07	7.22E-06	1.40E-05	3.42E-07	3.00E-06	5.72E-06	3.80E-07	3.33E-06	6.48E-06	4.57E-07	3.84E-06	7.59E-06	4.83E-07	4.11E-06	8.10E-06	3.76E-07	3.24E-06	6.27E-06
3,599	9.45E-07	8.15E-06	1.61E-05	8.46E-07	7.22E-06	1.40E-05	3.42E-07	3.00E-06	5.71E-06	3.79E-07	3.33E-06	6.48E-06	4.57E-07	3.84E-06	7.59E-06	4.83E-07	4.11E-06	8.10E-06	3.76E-07	3.24E-06	6.27E-06
3,600	9.45E-07	8.15E-06	1.61E-05	8.46E-07	7.22E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.33E-06	6.47E-06	4.57E-07	3.84E-06	7.59E-06	4.83E-07	4.10E-06	8.10E-06	3.76E-07	3.24E-06	6.27E-06
3,601	9.44E-07	8.15E-06	1.61E-05	8.46E-07	7.22E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.33E-06	6.47E-06	4.56E-07	3.84E-06	7.59E-06	4.83E-07	4.10E-06	8.10E-06	3.76E-07	3.24E-06	6.27E-06
3,602	9.44E-07	8.14E-06	1.61E-05	8.45E-07	7.21E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.33E-06	6.47E-06	4.56E-07	3.83E-06	7.58E-06	4.83E-07	4.10E-06	8.09E-06	3.76E-07	3.24E-06	6.27E-06
3,603	9.44E-07	8.14E-06	1.61E-05	8.45E-07	7.21E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.32E-06	6.47E-06	4.55E-07	3.83E-06	7.58E-06	4.83E-07	4.10E-06	8.09E-06	3.76E-07	3.24E-06	6.26E-06
3,604	9.44E-07	8.14E-06	1.61E-05	8.45E-07	7.21E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.32E-06	6.47E-06	4.55E-07	3.83E-06	7.58E-06	4.83E-07	4.10E-06	8.09E-06	3.76E-07	3.24E-06	6.26E-06
3,605	9.44E-07	8.14E-06	1.61E-05	8.45E-07	7.21E-06	1.40E-05	3.41E-07	3.00E-06	5.71E-06	3.79E-07	3.32E-06	6.46E-06	4.55E-07	3.83E-06	7.58E-06	4.83E-07	4.10E-06	8.09E-06	3.76E-07	3.23E-06	6.26E-06
3,606	9.44E-07	8.13E-06	1.61E-05	8.45E-07	7.20E-06	1.40E-05	3.41E-07	3.00E-06	5.70E-06	3.79E-07	3.32E-06	6.46E-06	4.55E-07	3.82E-06	7.58E-06	4.83E-07	4.10E-06	8.09E-06	3.76E-07	3.23E-06	6.26E-06
3,607	9.43E-07	8.13E-06	1.61E-05	8.45E-07	7.19E-06	1.40E-05	3.40E-07	3.00E-06	5.70E-06	3.79E-07	3.32E-06	6.46E-06	4.55E-07	3.82E-06	7.57E-06	4.82E-07	4.10E-06	8.08E-06	3.76E-07	3.23E-06	6.26E-06
3,608	9.43E-07	8.13E-06	1.61E-05	8.44E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.70E-06	3.78E-07	3.32E-06	6.46E-06	4.55E-07	3.82E-06	7.57E-06	4.82E-07	4.10E-06	8.08E-06	3.75E-07	3.23E-06	6.26E-06
3,609	9.43E-07	8.13E-06	1.61E-05	8.43E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.70E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.57E-06	4.82E-07	4.10E-06	8.08E-06	3.75E-07	3.23E-06	6.25E-06
3,610	9.43E-07	8.12E-06	1.61E-05	8.43E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.69E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.57E-06	4.82E-07	4.09E-06	8.07E-06	3.75E-07	3.23E-06	6.25E-06
3,611	9.42E-07	8.12E-06	1.60E-05	8.42E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.69E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.57E-06	4.82E-07	4.09E-06	8.07E-06	3.75E-07	3.23E-06	6.25E-06
3,612	9.42E-07	8.12E-06	1.60E-05	8.42E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.69E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.56E-06	4.82E-07	4.09E-06	8.07E-06	3.75E-07	3.23E-06	6.25E-06
3,613	9.42E-07	8.12E-06	1.60E-05	8.41E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.69E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.56E-06	4.81E-07	4.09E-06	8.07E-06	3.75E-07	3.22E-06	6.25E-06
3,614	9.42E-07	8.12E-06	1.60E-05	8.41E-07	7.19E-06	1.40E-05	3.40E-07	2.99E-06	5.68E-06	3.78E-07	3.32E-06	6.45E-06	4.55E-07	3.82E-06	7.56E-06	4.81E-07	4.09E-06	8.06E-06	3.75E-07	3.22E-06	6.25E-06
3,615	9.41E-07	8.11E-06	1.60E-05	8.41E-07	7.18E-06	1.40E-05	3.40E-07	2.99E-06	5.68E-06	3.78E-07	3.32E-06	6.45E-06	4.54E-07	3.82E-06	7.56E-06	4.81E-07	4.09E-06	8.05E-06	3.75E-07	3.22E-06	6.25E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,636	9.35E-07	8.05E-06	1.59E-05	8.36E-07	7.14E-06	1.39E-05	3.38E-07	2.96E-06	5.65E-06	3.77E-07	3.30E-06	6.41E-06	4.51E-07	3.78E-06	7.51E-06	4.78E-07	4.05E-06	7.98E-06	3.74E-07	3.20E-06	6.20E-06
3,637	9.35E-07	8.04E-06	1.59E-05	8.36E-07	7.13E-06	1.39E-05	3.38E-07	2.96E-06	5.64E-06	3.77E-07	3.30E-06	6.40E-06	4.51E-07	3.78E-06	7.51E-06	4.77E-07	4.05E-06	7.98E-06	3.73E-07	3.20E-06	6.20E-06
3,638	9.34E-07	8.04E-06	1.59E-05	8.36E-07	7.13E-06	1.39E-05	3.37E-07	2.96E-06	5.64E-06	3.77E-07	3.30E-06	6.40E-06	4.51E-07	3.78E-06	7.51E-06	4.77E-07	4.05E-06	7.98E-06	3.73E-07	3.20E-06	6.20E-06
3,639	9.33E-07	8.04E-06	1.59E-05	8.35E-07	7.12E-06	1.39E-05	3.37E-07	2.96E-06	5.64E-06	3.77E-07	3.30E-06	6.40E-06	4.51E-07	3.78E-06	7.51E-06	4.77E-07	4.05E-06	7.98E-06	3.73E-07	3.20E-06	6.19E-06
3,640	9.33E-07	8.04E-06	1.59E-05	8.35E-07	7.12E-06	1.39E-05	3.37E-07	2.96E-06	5.64E-06	3.77E-07	3.29E-06	6.40E-06	4.51E-07	3.78E-06	7.51E-06	4.77E-07	4.05E-06	7.97E-06	3.73E-07	3.20E-06	6.19E-06
3,641	9.33E-07	8.04E-06	1.59E-05	8.35E-07	7.12E-06	1.39E-05	3.37E-07	2.96E-06	5.64E-06	3.76E-07	3.29E-06	6.40E-06	4.50E-07	3.78E-06	7.50E-06	4.76E-07	4.04E-06	7.97E-06	3.73E-07	3.20E-06	6.18E-06
3,642	9.32E-07	8.04E-06	1.59E-05	8.35E-07	7.11E-06	1.39E-05	3.36E-07	2.96E-06	5.63E-06	3.76E-07	3.29E-06	6.40E-06	4.50E-07	3.78E-06	7.50E-06	4.76E-07	4.04E-06	7.97E-06	3.73E-07	3.20E-06	6.18E-06
3,643	9.32E-07	8.03E-06	1.59E-05	8.34E-07	7.11E-06	1.39E-05	3.36E-07	2.96E-06	5.63E-06	3.76E-07	3.29E-06	6.40E-06	4.50E-07	3.78E-06	7.50E-06	4.76E-07	4.04E-06	7.97E-06	3.73E-07	3.20E-06	6.18E-06
3,644	9.32E-07	8.03E-06	1.59E-05	8.34E-07	7.11E-06	1.39E-05	3.36E-07	2.96E-06	5.63E-06	3.76E-07	3.29E-06	6.39E-06	4.50E-07	3.78E-06	7.49E-06	4.76E-07	4.04E-06	7.97E-06	3.73E-07	3.19E-06	6.18E-06
3,645	9.31E-07	8.03E-06	1.59E-05	8.34E-07	7.11E-06	1.39E-05	3.36E-07	2.96E-06	5.63E-06	3.76E-07	3.29E-06	6.39E-06	4.50E-07	3.78E-06	7.49E-06	4.76E-07	4.04E-06	7.96E-06	3.73E-07	3.19E-06	6.18E-06
3,646	9.30E-07	8.03E-06	1.59E-05	8.34E-07	7.10E-06	1.39E-05	3.36E-07	2.96E-06	5.63E-06	3.76E-07	3.29E-06	6.39E-06	4.50E-07	3.78E-06	7.49E-06	4.76E-07	4.04E-06	7.96E-06	3.73E-07	3.19E-06	6.17E-06
3,647	9.30E-07	8.03E-06	1.58E-05	8.34E-07	7.10E-06	1.39E-05	3.36E-07	2.95E-06	5.63E-06	3.76E-07	3.29E-06	6.39E-06	4.50E-07	3.78E-06	7.49E-06	4.76E-07	4.04E-06	7.96E-06	3.73E-07	3.19E-06	6.17E-06
3,648	9.30E-07	8.03E-06	1.58E-05	8.33E-07	7.10E-06	1.39E-05	3.36E-07	2.95E-06	5.62E-06	3.76E-07	3.29E-06	6.39E-06	4.50E-07	3.77E-06	7.49E-06	4.75E-07	4.04E-06	7.96E-06	3.73E-07	3.19E-06	6.17E-06
3,649	9.30E-07	8.03E-06	1.58E-05	8.33E-07	7.09E-06	1.39E-05	3.36E-07	2.95E-06	5.62E-06	3.76E-07	3.28E-06	6.38E-06	4.50E-07	3.77E-06	7.48E-06	4.75E-07	4.03E-06	7.96E-06	3.73E-07	3.19E-06	6.17E-06
3,650	9.29E-07	8.02E-06	1.58E-05	8.33E-07	7.09E-06	1.39E-05	3.36E-07	2.95E-06	5.62E-06	3.76E-07	3.28E-06	6.38E-06	4.50E-07	3.77E-06	7.48E-06	4.75E-07	4.03E-06	7.96E-06	3.72E-07	3.19E-06	6.16E-06
3,651	9.29E-07	8.02E-06	1.58E-05	8.33E-07	7.09E-06	1.39E-05	3.35E-07	2.95E-06	5.61E-06	3.76E-07	3.28E-06	6.38E-06	4.50E-07	3.77E-06	7.48E-06	4.75E-07	4.03E-06	7.95E-06	3.72E-07	3.19E-06	6.16E-06
3,652	9.28E-07	8.02E-06	1.58E-05	8.32E-07	7.09E-06	1.39E-05	3.35E-07	2.95E-06	5.61E-06	3.76E-07	3.28E-06	6.38E-06	4.50E-07	3.77E-06	7.48E-06	4.75E-07	4.03E-06	7.95E-06	3.72E-07	3.19E-06	6.16E-06
3,653	9.28E-07	8.02E-06	1.58E-05	8.32E-07	7.08E-06	1.39E-05	3.35E-07	2.95E-06	5.61E-06	3.75E-07	3.28E-06	6.38E-06	4.50E-07	3.77E-06	7.47E-06	4.75E-07	4.03E-06	7.95E-06	3.72E-07	3.19E-06	6.16E-06
3,654	9.27E-07	8.02E-06	1.58E-05	8.32E-07	7.08E-06	1.39E-05	3.35E-07	2.95E-06	5.61E-06	3.75E-07	3.28E-06	6.37E-06	4.50E-07	3.76E-06	7.47E-06	4.75E-07	4.03E-06	7.95E-06	3.72E-07	3.19E-06	6.16E-06
3,655	9.26E-07	8.02E-06	1.58E-05	8.32E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.61E-06	3.75E-07	3.28E-06	6.37E-06	4.50E-07	3.76E-06	7.47E-06	4.75E-07	4.02E-06	7.95E-06	3.72E-07	3.19E-06	6.16E-06
3,656	9.25E-07	8.01E-06	1.58E-05	8.32E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.61E-06	3.75E-07	3.28E-06	6.37E-06	4.50E-07	3.76E-06	7.47E-06	4.74E-07	4.02E-06	7.94E-06	3.72E-07	3.19E-06	6.15E-06
3,657	9.25E-07	8.01E-06	1.58E-05	8.31E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.61E-06	3.75E-07	3.28E-06	6.37E-06	4.50E-07	3.76E-06	7.47E-06	4.74E-07	4.02E-06	7.94E-06	3.72E-07	3.19E-06	6.15E-06
3,658	9.25E-07	8.00E-06	1.58E-05	8.31E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.60E-06	3.75E-07	3.28E-06	6.37E-06	4.49E-07	3.76E-06	7.47E-06	4.74E-07	4.02E-06	7.94E-06	3.72E-07	3.19E-06	6.15E-06
3,659	9.24E-07	8.00E-06	1.58E-05	8.31E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.60E-06	3.75E-07	3.28E-06	6.37E-06	4.49E-07	3.76E-06	7.47E-06	4.74E-07	4.02E-06	7.94E-06	3.72E-07	3.19E-06	6.15E-06
3,660	9.24E-07	7.99E-06	1.58E-05	8.30E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.60E-06	3.75E-07	3.28E-06	6.36E-06	4.49E-07	3.76E-06	7.46E-06	4.74E-07	4.02E-06	7.94E-06	3.71E-07	3.18E-06	6.15E-06
3,661	9.24E-07	7.99E-06	1.58E-05	8.30E-07	7.08E-06	1.38E-05	3.35E-07	2.94E-06	5.60E-06	3.75E-07	3.28E-06	6.36E-06	4.49E-07	3.76E-06	7.46E-06	4.74E-07	4.01E-06	7.94E-06	3.71E-07	3.18E-06	6.15E-06
3,662	9.23E-07	7.98E-06	1.58E-05	8.29E-07	7.07E-06	1.38E-05	3.35E-07	2.94E-06	5.59E-06	3.75E-07	3.28E-06	6.36E-06	4.49E-07	3.75E-06	7.46E-06	4.74E-07	4.01E-06	7.94E-06	3.71E-07	3.18E-06	6.14E-06
3,663	9.23E-07	7.98E-06	1.58E-05	8.29E-07	7.07E-06	1.38E-05	3.35E-07	2.93E-06	5.59E-06	3.75E-07	3.28E-06	6.36E-06	4.49E-07	3.75E-06	7.46E-06	4.74E-07	4.01E-06	7.93E-06	3.71E-07	3.18E-06	6.14E-06
3,664	9.23E-07	7.98E-06	1.58E-05	8.29E-07	7.06E-06	1.38E-05	3.34E-07	2.93E-06	5.59E-06	3.74E-07	3.28E-06	6.36E-06	4.49E-07	3.75E-06	7.46E-06	4.73E-07	4.01E-06	7.93E-06	3.71E-07	3.18E-06	6.14E-06
3,665	9.23E-07	7.98E-06	1.57E-05	8.29E-07	7.06E-06	1.38E-05	3.34E-07	2.93E-06	5.59E-06	3.74E-07	3.27E-06	6.36E-06	4.49E-07	3.75E-06	7.46E-06	4.73E-07	4.01E-06	7.92E-06	3.70E-07	3.18E-06	6.14E-06
3,666	9.22E-07	7.97E-06	1.57E-05	8.29E-07	7.06E-06	1.38E-05	3.34E-07	2.93E-06	5.59E-06	3.74E-07	3.27E-06	6.35E-06	4.49E-07	3.75E-06	7.45E-06	4.73E-07	4.01E-06	7.92E-06	3.70E-07	3.18E-06	6.14E-06
3,667	9.21E-07	7.97E-06	1.57E-05	8.28E-07	7.06E-06	1.38E-05	3.34E-07	2.93E-06	5.59E-06	3.74E-07	3.27E-06	6.35E-06	4.49E-07	3.75E-06	7.45E-06	4.73E-07	4.01E-06	7.91E-06	3.70E-07	3.18E-06	6.14E-06
3,668	9.21E-07	7.97E-06	1.57E-05	8.28E-07	7.06E-06	1.38E-05	3.34E-07	2.93E-06	5.59E-06	3.74E-07	3.27E-06	6.35E-06	4.48E-07	3.75E-06	7.45E-06	4.73E-07	4.00E-06	7.91E-06	3.70E-07	3.18E-06	6.14E-06
3,669	9.21E-07	7.96E-06	1.57E-05	8.28E-07	7.05E-06	1.38E-05	3.34E-07	2.93E-06	5.58E-06	3.74E-07	3.27E-06	6.35E-06	4.48E-07	3.75E-06	7.45E-06	4.73E-07	4.00E-06	7.91E-06	3.70E-07	3.18E-06	6.14E-06
3,670	9.20E-07	7.96E-06	1.57E-05	8.28E-07	7.04E-06	1.38E-05	3.34E-07	2.93E-06	5.58E-06	3.73E-07	3.27E-06	6.35E-06	4.48E-07	3.74E-06	7.45E-06	4.73E-07	4.00E-06	7.91E-06	3.70E-07	3.18E-06	6.14E-06
3,671	9.20E-07	7.96E-06	1.57E-05	8.28E-07	7.04E-06	1.38E-05	3.34E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.34E-06	4.48E-07	3.74E-06	7.45E-06	4.73E-07	4.00E-06	7.91E-06	3.70E-07	3.17E-06	6.14E-06
3,672	9.20E-07	7.96E-06	1.57E-05	8.27E-07	7.03E-06	1.38E-05	3.34E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.34E-06	4.48E-07	3.74E-06	7.44E-06	4.73E-07	4.00E-06	7.90E-06	3.70E-07	3.17E-06	6.13E-06
3,673	9.20E-07	7.96E-06	1.57E-05	8.27E-07	7.02E-06	1.38E-05	3.34E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.34E-06	4.48E-07	3.74E-06	7.44E-06	4.72E-07	4.00E-06	7.90E-06	3.70E-07	3.17E-06	6.13E-06
3,674	9.20E-07	7.95E-06	1.57E-05	8.26E-07	7.02E-06	1.38E-05	3.33E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.34E-06	4.48E-07	3.74E-06	7.44E-06	4.72E-07	4.00E-06	7.90E-06	3.69E-07	3.17E-06	6.13E-06
3,675	9.20E-07	7.95E-06	1.57E-05	8.26E-07	7.02E-06	1.37E-05	3.33E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.34E-06	4.48E-07	3.74E-06	7.43E-06	4.72E-07	4.00E-06	7.90E-06	3.69E-07	3.17E-06	6.13E-06
3,676	9.20E-07	7.95E-06	1.57E-05	8.26E-07	7.02E-06	1.37E-05	3.33E-07	2.93E-06	5.58E-06	3.73E-07	3.26E-06	6.33E-06	4.47E-07	3.74E-06	7.43E-06	4.72E-07	3.99E-06	7.90E-06	3.69E-07	3.17E-06	6.13E-06
3,677	9.19E-07	7.95E-06	1.57E-05	8.25E-07	7.01E-06	1.37E-05	3.33E-07	2.92E-06	5.58E-06	3.73E-07	3.25E-06	6.33E-06	4.47E-07	3.74E-06	7.43E-06	4.72E-07	3.99E-06	7.90E-06	3.69E-07	3.17E-06	6.13E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,698	9.14E-07	7.90E-06	1.56E-05	8.18E-07	6.96E-06	1.36E-05	3.32E-07	2.89E-06	5.55E-06	3.70E-07	3.23E-06	6.30E-06	4.44E-07	3.72E-06	7.38E-06	4.70E-07	3.97E-06	7.85E-06	3.67E-07	3.15E-06	6.10E-06
3,699	9.13E-07	7.90E-06	1.56E-05	8.17E-07	6.96E-06	1.36E-05	3.32E-07	2.89E-06	5.55E-06	3.70E-07	3.23E-06	6.30E-06	4.43E-07	3.72E-06	7.38E-06	4.70E-07	3.97E-06	7.85E-06	3.66E-07	3.15E-06	6.09E-06
3,700	9.13E-07	7.89E-06	1.56E-05	8.17E-07	6.96E-06	1.36E-05	3.32E-07	2.89E-06	5.55E-06	3.69E-07	3.23E-06	6.30E-06	4.43E-07	3.72E-06	7.38E-06	4.70E-07	3.97E-06	7.85E-06	3.66E-07	3.15E-06	6.09E-06
3,701	9.12E-07	7.89E-06	1.56E-05	8.17E-07	6.95E-06	1.36E-05	3.32E-07	2.89E-06	5.55E-06	3.69E-07	3.22E-06	6.30E-06	4.43E-07	3.72E-06	7.38E-06	4.70E-07	3.97E-06	7.84E-06	3.66E-07	3.15E-06	6.09E-06
3,702	9.12E-07	7.89E-06	1.56E-05	8.17E-07	6.95E-06	1.36E-05	3.31E-07	2.89E-06	5.54E-06	3.69E-07	3.22E-06	6.29E-06	4.43E-07	3.71E-06	7.38E-06	4.70E-07	3.97E-06	7.84E-06	3.66E-07	3.15E-06	6.09E-06
3,703	9.12E-07	7.89E-06	1.56E-05	8.17E-07	6.94E-06	1.36E-05	3.31E-07	2.89E-06	5.53E-06	3.69E-07	3.22E-06	6.29E-06	4.43E-07	3.71E-06	7.38E-06	4.70E-07	3.96E-06	7.83E-06	3.66E-07	3.15E-06	6.09E-06
3,704	9.11E-07	7.89E-06	1.55E-05	8.16E-07	6.94E-06	1.36E-05	3.31E-07	2.89E-06	5.53E-06	3.69E-07	3.22E-06	6.29E-06	4.43E-07	3.71E-06	7.38E-06	4.70E-07	3.96E-06	7.83E-06	3.66E-07	3.15E-06	6.08E-06
3,705	9.11E-07	7.89E-06	1.55E-05	8.16E-07	6.94E-06	1.36E-05	3.31E-07	2.89E-06	5.53E-06	3.69E-07	3.22E-06	6.29E-06	4.43E-07	3.71E-06	7.38E-06	4.70E-07	3.96E-06	7.82E-06	3.65E-07	3.14E-06	6.08E-06
3,706	9.11E-07	7.88E-06	1.55E-05	8.15E-07	6.94E-06	1.36E-05	3.31E-07	2.89E-06	5.53E-06	3.68E-07	3.22E-06	6.28E-06	4.43E-07	3.71E-06	7.38E-06	4.70E-07	3.96E-06	7.82E-06	3.65E-07	3.14E-06	6.08E-06
3,707	9.11E-07	7.88E-06	1.55E-05	8.15E-07	6.94E-06	1.36E-05	3.31E-07	2.88E-06	5.53E-06	3.68E-07	3.22E-06	6.28E-06	4.42E-07	3.71E-06	7.37E-06	4.69E-07	3.96E-06	7.82E-06	3.65E-07	3.14E-06	6.08E-06
3,708	9.11E-07	7.87E-06	1.55E-05	8.15E-07	6.93E-06	1.36E-05	3.31E-07	2.88E-06	5.53E-06	3.68E-07	3.22E-06	6.28E-06	4.42E-07	3.71E-06	7.37E-06	4.69E-07	3.96E-06	7.82E-06	3.65E-07	3.14E-06	6.08E-06
3,709	9.11E-07	7.87E-06	1.55E-05	8.14E-07	6.93E-06	1.36E-05	3.30E-07	2.88E-06	5.53E-06	3.68E-07	3.22E-06	6.28E-06	4.42E-07	3.71E-06	7.37E-06	4.69E-07	3.96E-06	7.81E-06	3.65E-07	3.14E-06	6.08E-06
3,710	9.10E-07	7.87E-06	1.55E-05	8.14E-07	6.93E-06	1.36E-05	3.30E-07	2.88E-06	5.53E-06	3.68E-07	3.21E-06	6.28E-06	4.42E-07	3.71E-06	7.37E-06	4.69E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.07E-06
3,711	9.10E-07	7.86E-06	1.55E-05	8.14E-07	6.92E-06	1.36E-05	3.30E-07	2.88E-06	5.52E-06	3.68E-07	3.21E-06	6.28E-06	4.42E-07	3.71E-06	7.37E-06	4.69E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.07E-06
3,712	9.10E-07	7.86E-06	1.55E-05	8.14E-07	6.92E-06	1.35E-05	3.30E-07	2.88E-06	5.52E-06	3.68E-07	3.21E-06	6.28E-06	4.41E-07	3.70E-06	7.37E-06	4.69E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.07E-06
3,713	9.10E-07	7.85E-06	1.55E-05	8.14E-07	6.92E-06	1.35E-05	3.30E-07	2.88E-06	5.52E-06	3.68E-07	3.21E-06	6.27E-06	4.41E-07	3.70E-06	7.37E-06	4.69E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.07E-06
3,714	9.10E-07	7.85E-06	1.55E-05	8.14E-07	6.91E-06	1.35E-05	3.30E-07	2.88E-06	5.52E-06	3.68E-07	3.20E-06	6.27E-06	4.41E-07	3.70E-06	7.36E-06	4.69E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.06E-06
3,715	9.09E-07	7.85E-06	1.55E-05	8.14E-07	6.91E-06	1.35E-05	3.30E-07	2.87E-06	5.52E-06	3.68E-07	3.20E-06	6.27E-06	4.41E-07	3.70E-06	7.36E-06	4.68E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.06E-06
3,716	9.09E-07	7.85E-06	1.54E-05	8.14E-07	6.91E-06	1.35E-05	3.30E-07	2.87E-06	5.52E-06	3.68E-07	3.20E-06	6.26E-06	4.41E-07	3.70E-06	7.36E-06	4.68E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.06E-06
3,717	9.09E-07	7.84E-06	1.54E-05	8.12E-07	6.91E-06	1.35E-05	3.30E-07	2.87E-06	5.52E-06	3.68E-07	3.20E-06	6.25E-06	4.41E-07	3.69E-06	7.36E-06	4.68E-07	3.95E-06	7.81E-06	3.65E-07	3.14E-06	6.06E-06
3,718	9.09E-07	7.84E-06	1.54E-05	8.11E-07	6.91E-06	1.35E-05	3.30E-07	2.87E-06	5.51E-06	3.67E-07	3.20E-06	6.25E-06	4.41E-07	3.69E-06	7.36E-06	4.68E-07	3.94E-06	7.80E-06	3.65E-07	3.14E-06	6.06E-06
3,719	9.09E-07	7.84E-06	1.54E-05	8.11E-07	6.90E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.25E-06	4.41E-07	3.69E-06	7.35E-06	4.68E-07	3.94E-06	7.80E-06	3.65E-07	3.14E-06	6.06E-06
3,720	9.09E-07	7.84E-06	1.54E-05	8.10E-07	6.90E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.25E-06	4.41E-07	3.69E-06	7.35E-06	4.68E-07	3.94E-06	7.80E-06	3.64E-07	3.13E-06	6.05E-06
3,721	9.09E-07	7.83E-06	1.54E-05	8.10E-07	6.90E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.24E-06	4.41E-07	3.69E-06	7.35E-06	4.68E-07	3.94E-06	7.80E-06	3.64E-07	3.13E-06	6.05E-06
3,722	9.09E-07	7.83E-06	1.54E-05	8.10E-07	6.90E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.24E-06	4.41E-07	3.69E-06	7.35E-06	4.67E-07	3.94E-06	7.80E-06	3.64E-07	3.13E-06	6.05E-06
3,723	9.09E-07	7.83E-06	1.54E-05	8.10E-07	6.90E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.24E-06	4.41E-07	3.69E-06	7.35E-06	4.67E-07	3.94E-06	7.80E-06	3.64E-07	3.13E-06	6.05E-06
3,724	9.09E-07	7.83E-06	1.54E-05	8.10E-07	6.89E-06	1.35E-05	3.29E-07	2.87E-06	5.51E-06	3.67E-07	3.19E-06	6.24E-06	4.40E-07	3.69E-06	7.34E-06	4.67E-07	3.94E-06	7.79E-06	3.64E-07	3.13E-06	6.05E-06
3,725	9.08E-07	7.83E-06	1.54E-05	8.09E-07	6.89E-06	1.35E-05	3.29E-07	2.87E-06	5.50E-06	3.67E-07	3.19E-06	6.24E-06	4.40E-07	3.68E-06	7.34E-06	4.67E-07	3.94E-06	7.79E-06	3.64E-07	3.13E-06	6.05E-06
3,726	9.08E-07	7.83E-06	1.54E-05	8.09E-07	6.89E-06	1.35E-05	3.29E-07	2.87E-06	5.50E-06	3.67E-07	3.19E-06	6.24E-06	4.40E-07	3.68E-06	7.34E-06	4.67E-07	3.94E-06	7.79E-06	3.63E-07	3.13E-06	6.04E-06
3,727	9.08E-07	7.82E-06	1.54E-05	8.08E-07	6.88E-06	1.35E-05	3.28E-07	2.87E-06	5.50E-06	3.66E-07	3.19E-06	6.23E-06	4.40E-07	3.68E-06	7.34E-06	4.67E-07	3.94E-06	7.79E-06	3.63E-07	3.13E-06	6.04E-06
3,728	9.07E-07	7.82E-06	1.54E-05	8.08E-07	6.88E-06	1.35E-05	3.28E-07	2.86E-06	5.50E-06	3.66E-07	3.19E-06	6.23E-06	4.40E-07	3.68E-06	7.34E-06	4.67E-07	3.94E-06	7.79E-06	3.63E-07	3.13E-06	6.04E-06
3,729	9.07E-07	7.82E-06	1.54E-05	8.08E-07	6.87E-06	1.35E-05	3.28E-07	2.86E-06	5.50E-06	3.66E-07	3.19E-06	6.22E-06	4.40E-07	3.68E-06	7.33E-06	4.67E-07	3.93E-06	7.79E-06	3.63E-07	3.13E-06	6.04E-06
3,730	9.06E-07	7.81E-06	1.54E-05	8.08E-07	6.87E-06	1.35E-05	3.28E-07	2.86E-06	5.50E-06	3.66E-07	3.18E-06	6.22E-06	4.40E-07	3.68E-06	7.33E-06	4.67E-07	3.93E-06	7.78E-06	3.63E-07	3.12E-06	6.04E-06
3,731	9.06E-07	7.81E-06	1.54E-05	8.07E-07	6.86E-06	1.35E-05	3.28E-07	2.86E-06	5.49E-06	3.66E-07	3.18E-06	6.22E-06	4.40E-07	3.68E-06	7.33E-06	4.67E-07	3.93E-06	7.78E-06	3.63E-07	3.12E-06	6.04E-06
3,732	9.05E-07	7.81E-06	1.54E-05	8.07E-07	6.86E-06	1.35E-05	3.28E-07	2.86E-06	5.49E-06	3.66E-07	3.18E-06	6.22E-06	4.39E-07	3.68E-06	7.33E-06	4.66E-07	3.93E-06	7.78E-06	3.63E-07	3.12E-06	6.04E-06
3,733	9.05E-07	7.80E-06	1.54E-05	8.07E-07	6.86E-06	1.35E-05	3.28E-07	2.86E-06	5.49E-06	3.66E-07	3.18E-06	6.22E-06	4.39E-07	3.67E-06	7.32E-06	4.66E-07	3.93E-06	7.77E-06	3.62E-07	3.12E-06	6.04E-06
3,734	9.04E-07	7.80E-06	1.54E-05	8.06E-07	6.86E-06	1.35E-05	3.28E-07	2.86E-06	5.49E-06	3.66E-07	3.18E-06	6.22E-06	4.39E-07	3.67E-06	7.32E-06	4.66E-07	3.92E-06	7.77E-06	3.62E-07	3.12E-06	6.04E-06
3,735	9.04E-07	7.80E-06	1.54E-05	8.06E-07	6.86E-06	1.35E-05	3.28E-07	2.86E-06	5.49E-06	3.66E-07	3.18E-06	6.22E-06	4.39E-07	3.67E-06	7.31E-06	4.66E-07	3.92E-06	7.76E-06	3.62E-07	3.12E-06	6.03E-06
3,736	9.04E-07	7.79E-06	1.54E-05	8.06E-07	6.86E-06	1.34E-05	3.28E-07	2.86E-06	5.49E-06	3.65E-07	3.18E-06	6.21E-06	4.39E-07	3.67E-06	7.31E-06	4.66E-07	3.92E-06	7.76E-06	3.62E-07	3.12E-06	6.03E-06
3,737	9.04E-07	7.79E-06	1.54E-05	8.06E-07	6.85E-06	1.34E-05	3.28E-07	2.85E-06	5.49E-06	3.65E-07	3.18E-06	6.21E-06	4.39E-07	3.67E-06	7.31E-06	4.66E-07	3.92E-06	7.76E-06	3.62E-07	3.12E-06	6.03E-06
3,738	9.03E-07	7.79E-06	1.54E-05	8.05E-07	6.85E-06	1.34E-05	3.28E-07	2.85E-06	5.49E-06	3.65E-07	3.18E-06	6.21E-06	4.39E-07	3.67E-06	7.31E-06	4.66E-07	3.92E-06	7.76E-06	3.62E-07	3.12E-06	6.03E-06
3,739	9.03E-07	7.78E-06	1.54E-05	8.05E-07	6.84E-06	1.34E-05	3.27E-07	2.85E-06	5.48E-06	3.65E-07	3.18E-06	6.21E-06	4.38E-07	3.67E-06	7.31E-06	4.66E-07	3.92E-06	7.76E-06	3.62E-07	3.12E-06	6.03E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,760	8.99E-07	7.74E-06	1.53E-05	7.99E-07	6.78E-06	1.33E-05	3.26E-07	2.84E-06	5.46E-06	3.63E-07	3.15E-06	6.18E-06	4.36E-07	3.64E-06	7.26E-06	4.65E-07	3.89E-06	7.71E-06	3.59E-07	3.10E-06	6.01E-06
3,761	8.99E-07	7.73E-06	1.53E-05	7.98E-07	6.78E-06	1.33E-05	3.25E-07	2.84E-06	5.46E-06	3.62E-07	3.15E-06	6.17E-06	4.35E-07	3.64E-06	7.26E-06	4.65E-07	3.89E-06	7.71E-06	3.59E-07	3.10E-06	6.01E-06
3,762	8.98E-07	7.73E-06	1.53E-05	7.97E-07	6.77E-06	1.33E-05	3.25E-07	2.84E-06	5.46E-06	3.62E-07	3.15E-06	6.17E-06	4.35E-07	3.64E-06	7.26E-06	4.65E-07	3.88E-06	7.71E-06	3.59E-07	3.09E-06	6.01E-06
3,763	8.98E-07	7.73E-06	1.53E-05	7.97E-07	6.77E-06	1.33E-05	3.25E-07	2.84E-06	5.46E-06	3.62E-07	3.15E-06	6.17E-06	4.35E-07	3.64E-06	7.26E-06	4.64E-07	3.88E-06	7.70E-06	3.59E-07	3.09E-06	6.00E-06
3,764	8.97E-07	7.73E-06	1.53E-05	7.97E-07	6.77E-06	1.33E-05	3.25E-07	2.83E-06	5.46E-06	3.62E-07	3.15E-06	6.17E-06	4.35E-07	3.64E-06	7.25E-06	4.64E-07	3.88E-06	7.70E-06	3.59E-07	3.09E-06	6.00E-06
3,765	8.97E-07	7.72E-06	1.52E-05	7.97E-07	6.77E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.15E-06	6.16E-06	4.35E-07	3.64E-06	7.25E-06	4.64E-07	3.88E-06	7.70E-06	3.59E-07	3.09E-06	6.00E-06
3,766	8.97E-07	7.72E-06	1.52E-05	7.96E-07	6.77E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.15E-06	6.16E-06	4.35E-07	3.64E-06	7.25E-06	4.64E-07	3.88E-06	7.69E-06	3.59E-07	3.09E-06	5.99E-06
3,767	8.96E-07	7.72E-06	1.52E-05	7.96E-07	6.77E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.15E-06	6.16E-06	4.34E-07	3.64E-06	7.25E-06	4.64E-07	3.88E-06	7.68E-06	3.59E-07	3.09E-06	5.99E-06
3,768	8.95E-07	7.72E-06	1.52E-05	7.96E-07	6.76E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.14E-06	6.16E-06	4.34E-07	3.64E-06	7.25E-06	4.64E-07	3.88E-06	7.68E-06	3.59E-07	3.09E-06	5.99E-06
3,769	8.95E-07	7.71E-06	1.52E-05	7.96E-07	6.76E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.14E-06	6.15E-06	4.34E-07	3.64E-06	7.24E-06	4.64E-07	3.88E-06	7.68E-06	3.58E-07	3.09E-06	5.99E-06
3,770	8.95E-07	7.71E-06	1.52E-05	7.95E-07	6.76E-06	1.33E-05	3.25E-07	2.83E-06	5.45E-06	3.62E-07	3.14E-06	6.15E-06	4.34E-07	3.64E-06	7.24E-06	4.64E-07	3.88E-06	7.68E-06	3.58E-07	3.09E-06	5.99E-06
3,771	8.94E-07	7.70E-06	1.52E-05	7.95E-07	6.76E-06	1.33E-05	3.24E-07	2.83E-06	5.45E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.24E-06	4.64E-07	3.88E-06	7.68E-06	3.58E-07	3.09E-06	5.99E-06
3,772	8.94E-07	7.70E-06	1.52E-05	7.95E-07	6.76E-06	1.33E-05	3.24E-07	2.83E-06	5.45E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.24E-06	4.63E-07	3.87E-06	7.68E-06	3.58E-07	3.09E-06	5.98E-06
3,773	8.94E-07	7.70E-06	1.52E-05	7.95E-07	6.76E-06	1.32E-05	3.24E-07	2.83E-06	5.44E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.24E-06	4.63E-07	3.87E-06	7.67E-06	3.58E-07	3.09E-06	5.98E-06
3,774	8.94E-07	7.70E-06	1.52E-05	7.94E-07	6.76E-06	1.32E-05	3.24E-07	2.83E-06	5.44E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.23E-06	4.63E-07	3.87E-06	7.67E-06	3.58E-07	3.09E-06	5.98E-06
3,775	8.94E-07	7.70E-06	1.52E-05	7.93E-07	6.75E-06	1.32E-05	3.24E-07	2.83E-06	5.44E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.23E-06	4.63E-07	3.87E-06	7.67E-06	3.58E-07	3.09E-06	5.98E-06
3,776	8.94E-07	7.69E-06	1.52E-05	7.93E-07	6.75E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.61E-07	3.14E-06	6.15E-06	4.33E-07	3.63E-06	7.23E-06	4.63E-07	3.86E-06	7.67E-06	3.58E-07	3.09E-06	5.97E-06
3,777	8.94E-07	7.69E-06	1.52E-05	7.92E-07	6.75E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.61E-07	3.14E-06	6.14E-06	4.33E-07	3.63E-06	7.23E-06	4.63E-07	3.86E-06	7.67E-06	3.58E-07	3.09E-06	5.97E-06
3,778	8.94E-07	7.69E-06	1.52E-05	7.92E-07	6.75E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.61E-07	3.14E-06	6.14E-06	4.33E-07	3.63E-06	7.23E-06	4.63E-07	3.86E-06	7.66E-06	3.58E-07	3.08E-06	5.97E-06
3,779	8.93E-07	7.68E-06	1.52E-05	7.91E-07	6.74E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.60E-07	3.14E-06	6.14E-06	4.33E-07	3.62E-06	7.22E-06	4.63E-07	3.86E-06	7.66E-06	3.58E-07	3.08E-06	5.97E-06
3,780	8.93E-07	7.68E-06	1.52E-05	7.91E-07	6.74E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.60E-07	3.14E-06	6.14E-06	4.33E-07	3.62E-06	7.21E-06	4.63E-07	3.86E-06	7.66E-06	3.58E-07	3.08E-06	5.97E-06
3,781	8.93E-07	7.68E-06	1.52E-05	7.91E-07	6.74E-06	1.32E-05	3.24E-07	2.82E-06	5.44E-06	3.60E-07	3.14E-06	6.14E-06	4.33E-07	3.62E-06	7.21E-06	4.63E-07	3.86E-06	7.66E-06	3.58E-07	3.08E-06	5.97E-06
3,782	8.93E-07	7.68E-06	1.52E-05	7.91E-07	6.74E-06	1.32E-05	3.24E-07	2.82E-06	5.43E-06	3.60E-07	3.14E-06	6.14E-06	4.33E-07	3.62E-06	7.20E-06	4.63E-07	3.86E-06	7.66E-06	3.58E-07	3.08E-06	5.97E-06
3,783	8.93E-07	7.68E-06	1.51E-05	7.91E-07	6.74E-06	1.32E-05	3.23E-07	2.82E-06	5.43E-06	3.60E-07	3.14E-06	6.14E-06	4.33E-07	3.62E-06	7.20E-06	4.63E-07	3.86E-06	7.66E-06	3.57E-07	3.08E-06	5.97E-06
3,784	8.93E-07	7.67E-06	1.51E-05	7.91E-07	6.74E-06	1.32E-05	3.23E-07	2.82E-06	5.43E-06	3.59E-07	3.14E-06	6.13E-06	4.32E-07	3.62E-06	7.20E-06	4.63E-07	3.86E-06	7.66E-06	3.57E-07	3.08E-06	5.97E-06
3,785	8.92E-07	7.67E-06	1.51E-05	7.90E-07	6.74E-06	1.32E-05	3.23E-07	2.81E-06	5.43E-06	3.59E-07	3.14E-06	6.13E-06	4.32E-07	3.62E-06	7.19E-06	4.63E-07	3.86E-06	7.66E-06	3.57E-07	3.08E-06	5.96E-06
3,786	8.92E-07	7.67E-06	1.51E-05	7.90E-07	6.74E-06	1.32E-05	3.23E-07	2.81E-06	5.43E-06	3.59E-07	3.13E-06	6.13E-06	4.32E-07	3.61E-06	7.19E-06	4.62E-07	3.86E-06	7.65E-06	3.57E-07	3.08E-06	5.96E-06
3,787	8.92E-07	7.67E-06	1.51E-05	7.90E-07	6.73E-06	1.32E-05	3.23E-07	2.81E-06	5.43E-06	3.59E-07	3.13E-06	6.13E-06	4.32E-07	3.61E-06	7.19E-06	4.62E-07	3.86E-06	7.65E-06	3.57E-07	3.08E-06	5.96E-06
3,788	8.92E-07	7.66E-06	1.51E-05	7.90E-07	6.73E-06	1.32E-05	3.23E-07	2.81E-06	5.43E-06	3.59E-07	3.13E-06	6.13E-06	4.31E-07	3.61E-06	7.19E-06	4.62E-07	3.85E-06	7.65E-06	3.57E-07	3.08E-06	5.95E-06
3,789	8.92E-07	7.66E-06	1.51E-05	7.90E-07	6.73E-06	1.32E-05	3.23E-07	2.81E-06	5.43E-06	3.59E-07	3.13E-06	6.13E-06	4.31E-07	3.61E-06	7.18E-06	4.62E-07	3.85E-06	7.65E-06	3.57E-07	3.07E-06	5.95E-06
3,790	8.92E-07	7.66E-06	1.51E-05	7.90E-07	6.72E-06	1.32E-05	3.23E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.13E-06	4.31E-07	3.61E-06	7.18E-06	4.62E-07	3.85E-06	7.65E-06	3.57E-07	3.07E-06	5.94E-06
3,791	8.91E-07	7.66E-06	1.51E-05	7.89E-07	6.71E-06	1.32E-05	3.23E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.31E-07	3.61E-06	7.18E-06	4.62E-07	3.85E-06	7.65E-06	3.57E-07	3.07E-06	5.94E-06
3,792	8.91E-07	7.66E-06	1.51E-05	7.88E-07	6.70E-06	1.32E-05	3.23E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.31E-07	3.61E-06	7.18E-06	4.61E-07	3.85E-06	7.65E-06	3.56E-07	3.07E-06	5.93E-06
3,793	8.91E-07	7.65E-06	1.51E-05	7.88E-07	6.70E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.31E-07	3.61E-06	7.17E-06	4.61E-07	3.85E-06	7.65E-06	3.56E-07	3.07E-06	5.93E-06
3,794	8.91E-07	7.65E-06	1.51E-05	7.88E-07	6.70E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.30E-07	3.61E-06	7.17E-06	4.61E-07	3.85E-06	7.64E-06	3.56E-07	3.07E-06	5.93E-06
3,795	8.91E-07	7.65E-06	1.51E-05	7.88E-07	6.69E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.30E-07	3.61E-06	7.17E-06	4.61E-07	3.84E-06	7.64E-06	3.56E-07	3.07E-06	5.93E-06
3,796	8.90E-07	7.65E-06	1.51E-05	7.88E-07	6.68E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.12E-06	4.30E-07	3.61E-06	7.17E-06	4.61E-07	3.84E-06	7.64E-06	3.56E-07	3.06E-06	5.93E-06
3,797	8.90E-07	7.64E-06	1.51E-05	7.88E-07	6.68E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.11E-06	4.30E-07	3.61E-06	7.17E-06	4.60E-07	3.84E-06	7.64E-06	3.56E-07	3.06E-06	5.93E-06
3,798	8.90E-07	7.64E-06	1.51E-05	7.87E-07	6.68E-06	1.32E-05	3.22E-07	2.81E-06	5.42E-06	3.59E-07	3.13E-06	6.11E-06	4.30E-07	3.60E-06	7.17E-06	4.60E-07	3.84E-06	7.64E-06	3.56E-07	3.06E-06	5.93E-06
3,799	8.90E-07	7.64E-06	1.51E-05	7.87E-07	6.68E-06	1.31E-05	3.22E-07	2.81E-06	5.41E-06	3.58E-07	3.12E-06	6.11E-06	4.30E-07	3.60E-06	7.17E-06	4.60E-07	3.84E-06	7.64E-06	3.56E-07	3.06E-06	5.92E-06
3,800	8.90E-07	7.64E-06	1.51E-05	7.87E-07	6.68E-06	1.31E-05	3.22E-07	2.81E-06	5.41E-06	3.58E-07	3.12E-06	6.10E-06	4.30E-07	3.60E-06	7.17E-06	4.60E-07	3.84E-06	7.64E-06	3.55E-07	3.06E-06	5.92E-06
3,801	8.90E-07	7.63E-06	1.51E-05	7.87E-07	6.67E-06	1.31E-05	3.22E-07	2.81E-06	5.41E-06	3.58E-07	3.12E-06	6.10E-06	4.30E-07	3.60E-06	7.17E-06	4.60E-07	3.83E-06	7.64E-06	3.55E-07	3.06E-06	5.92E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,822	8.84E-07	7.56E-06	1.50E-05	7.82E-07	6.63E-06	1.30E-05	3.20E-07	2.78E-06	5.38E-06	3.56E-07	3.10E-06	6.07E-06	4.27E-07	3.58E-06	7.11E-06	4.58E-07	3.81E-06	7.58E-06	3.53E-07	3.04E-06	5.88E-06
3,823	8.83E-07	7.56E-06	1.50E-05	7.82E-07	6.62E-06	1.30E-05	3.20E-07	2.78E-06	5.38E-06	3.56E-07	3.10E-06	6.07E-06	4.27E-07	3.58E-06	7.11E-06	4.58E-07	3.81E-06	7.58E-06	3.53E-07	3.04E-06	5.88E-06
3,824	8.83E-07	7.55E-06	1.50E-05	7.81E-07	6.62E-06	1.30E-05	3.20E-07	2.78E-06	5.37E-06	3.56E-07	3.10E-06	6.07E-06	4.27E-07	3.58E-06	7.11E-06	4.58E-07	3.81E-06	7.58E-06	3.52E-07	3.04E-06	5.88E-06
3,825	8.82E-07	7.55E-06	1.50E-05	7.81E-07	6.62E-06	1.30E-05	3.20E-07	2.78E-06	5.37E-06	3.56E-07	3.10E-06	6.07E-06	4.27E-07	3.58E-06	7.11E-06	4.58E-07	3.81E-06	7.58E-06	3.52E-07	3.04E-06	5.88E-06
3,826	8.82E-07	7.55E-06	1.49E-05	7.81E-07	6.62E-06	1.30E-05	3.19E-07	2.78E-06	5.37E-06	3.56E-07	3.09E-06	6.07E-06	4.27E-07	3.58E-06	7.10E-06	4.58E-07	3.81E-06	7.58E-06	3.52E-07	3.04E-06	5.88E-06
3,827	8.82E-07	7.55E-06	1.49E-05	7.81E-07	6.62E-06	1.30E-05	3.19E-07	2.78E-06	5.37E-06	3.56E-07	3.09E-06	6.06E-06	4.27E-07	3.58E-06	7.10E-06	4.58E-07	3.80E-06	7.57E-06	3.52E-07	3.04E-06	5.88E-06
3,828	8.82E-07	7.55E-06	1.49E-05	7.81E-07	6.62E-06	1.30E-05	3.19E-07	2.78E-06	5.37E-06	3.56E-07	3.09E-06	6.06E-06	4.26E-07	3.58E-06	7.10E-06	4.57E-07	3.80E-06	7.57E-06	3.52E-07	3.04E-06	5.88E-06
3,829	8.82E-07	7.55E-06	1.49E-05	7.80E-07	6.62E-06	1.30E-05	3.19E-07	2.77E-06	5.37E-06	3.55E-07	3.09E-06	6.06E-06	4.26E-07	3.57E-06	7.10E-06	4.57E-07	3.80E-06	7.57E-06	3.52E-07	3.04E-06	5.87E-06
3,830	8.80E-07	7.55E-06	1.49E-05	7.80E-07	6.61E-06	1.30E-05	3.19E-07	2.77E-06	5.36E-06	3.55E-07	3.09E-06	6.06E-06	4.26E-07	3.57E-06	7.10E-06	4.57E-07	3.80E-06	7.57E-06	3.51E-07	3.04E-06	5.87E-06
3,831	8.80E-07	7.54E-06	1.49E-05	7.80E-07	6.61E-06	1.30E-05	3.19E-07	2.77E-06	5.36E-06	3.55E-07	3.09E-06	6.06E-06	4.26E-07	3.57E-06	7.09E-06	4.56E-07	3.80E-06	7.57E-06	3.51E-07	3.04E-06	5.87E-06
3,832	8.80E-07	7.54E-06	1.49E-05	7.79E-07	6.61E-06	1.30E-05	3.19E-07	2.77E-06	5.36E-06	3.55E-07	3.09E-06	6.06E-06	4.26E-07	3.57E-06	7.09E-06	4.56E-07	3.79E-06	7.56E-06	3.51E-07	3.03E-06	5.87E-06
3,833	8.80E-07	7.54E-06	1.49E-05	7.79E-07	6.61E-06	1.30E-05	3.19E-07	2.77E-06	5.35E-06	3.55E-07	3.08E-06	6.06E-06	4.26E-07	3.57E-06	7.08E-06	4.56E-07	3.79E-06	7.56E-06	3.51E-07	3.03E-06	5.87E-06
3,834	8.80E-07	7.53E-06	1.49E-05	7.79E-07	6.61E-06	1.30E-05	3.19E-07	2.77E-06	5.35E-06	3.55E-07	3.08E-06	6.05E-06	4.26E-07	3.57E-06	7.08E-06	4.56E-07	3.79E-06	7.56E-06	3.50E-07	3.03E-06	5.87E-06
3,835	8.80E-07	7.53E-06	1.49E-05	7.79E-07	6.60E-06	1.30E-05	3.19E-07	2.77E-06	5.35E-06	3.55E-07	3.08E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.56E-07	3.79E-06	7.55E-06	3.50E-07	3.03E-06	5.87E-06
3,836	8.79E-07	7.51E-06	1.49E-05	7.78E-07	6.60E-06	1.30E-05	3.19E-07	2.77E-06	5.35E-06	3.54E-07	3.08E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.56E-07	3.79E-06	7.54E-06	3.50E-07	3.03E-06	5.87E-06
3,837	8.79E-07	7.51E-06	1.49E-05	7.78E-07	6.60E-06	1.30E-05	3.19E-07	2.77E-06	5.35E-06	3.54E-07	3.08E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.56E-07	3.79E-06	7.54E-06	3.50E-07	3.03E-06	5.87E-06
3,838	8.79E-07	7.50E-06	1.49E-05	7.78E-07	6.60E-06	1.30E-05	3.19E-07	2.77E-06	5.34E-06	3.54E-07	3.08E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.56E-07	3.78E-06	7.54E-06	3.50E-07	3.03E-06	5.86E-06
3,839	8.79E-07	7.50E-06	1.49E-05	7.78E-07	6.60E-06	1.30E-05	3.19E-07	2.76E-06	5.34E-06	3.54E-07	3.07E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.55E-07	3.78E-06	7.54E-06	3.50E-07	3.02E-06	5.86E-06
3,840	8.78E-07	7.50E-06	1.49E-05	7.77E-07	6.59E-06	1.30E-05	3.19E-07	2.76E-06	5.34E-06	3.54E-07	3.07E-06	6.05E-06	4.25E-07	3.57E-06	7.07E-06	4.55E-07	3.78E-06	7.54E-06	3.50E-07	3.02E-06	5.86E-06
3,841	8.78E-07	7.48E-06	1.49E-05	7.77E-07	6.59E-06	1.30E-05	3.18E-07	2.76E-06	5.34E-06	3.54E-07	3.07E-06	6.04E-06	4.25E-07	3.57E-06	7.06E-06	4.55E-07	3.78E-06	7.54E-06	3.49E-07	3.02E-06	5.86E-06
3,842	8.78E-07	7.48E-06	1.49E-05	7.77E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.34E-06	3.54E-07	3.07E-06	6.04E-06	4.24E-07	3.57E-06	7.06E-06	4.55E-07	3.78E-06	7.53E-06	3.49E-07	3.02E-06	5.86E-06
3,843	8.78E-07	7.48E-06	1.49E-05	7.77E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.33E-06	3.54E-07	3.07E-06	6.04E-06	4.24E-07	3.57E-06	7.06E-06	4.55E-07	3.78E-06	7.53E-06	3.49E-07	3.02E-06	5.86E-06
3,844	8.78E-07	7.48E-06	1.49E-05	7.77E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.33E-06	3.54E-07	3.07E-06	6.04E-06	4.24E-07	3.57E-06	7.06E-06	4.54E-07	3.77E-06	7.53E-06	3.49E-07	3.02E-06	5.86E-06
3,845	8.78E-07	7.48E-06	1.49E-05	7.77E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.33E-06	3.54E-07	3.06E-06	6.04E-06	4.24E-07	3.57E-06	7.06E-06	4.54E-07	3.77E-06	7.53E-06	3.49E-07	3.02E-06	5.86E-06
3,846	8.77E-07	7.48E-06	1.48E-05	7.76E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.33E-06	3.54E-07	3.06E-06	6.03E-06	4.24E-07	3.56E-06	7.05E-06	4.54E-07	3.77E-06	7.52E-06	3.49E-07	3.02E-06	5.86E-06
3,847	8.77E-07	7.47E-06	1.48E-05	7.76E-07	6.59E-06	1.29E-05	3.18E-07	2.76E-06	5.33E-06	3.54E-07	3.06E-06	6.02E-06	4.23E-07	3.56E-06	7.05E-06	4.54E-07	3.77E-06	7.52E-06	3.49E-07	3.02E-06	5.85E-06
3,848	8.77E-07	7.47E-06	1.48E-05	7.75E-07	6.59E-06	1.29E-05	3.18E-07	2.75E-06	5.33E-06	3.53E-07	3.06E-06	6.02E-06	4.23E-07	3.56E-06	7.05E-06	4.54E-07	3.77E-06	7.52E-06	3.49E-07	3.01E-06	5.85E-06
3,849	8.77E-07	7.47E-06	1.48E-05	7.74E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.33E-06	3.53E-07	3.06E-06	6.02E-06	4.23E-07	3.56E-06	7.05E-06	4.54E-07	3.77E-06	7.52E-06	3.49E-07	3.01E-06	5.85E-06
3,850	8.76E-07	7.47E-06	1.48E-05	7.74E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.33E-06	3.53E-07	3.06E-06	6.02E-06	4.23E-07	3.56E-06	7.05E-06	4.54E-07	3.77E-06	7.52E-06	3.49E-07	3.01E-06	5.85E-06
3,851	8.76E-07	7.46E-06	1.48E-05	7.74E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.33E-06	3.53E-07	3.06E-06	6.01E-06	4.23E-07	3.55E-06	7.05E-06	4.53E-07	3.77E-06	7.51E-06	3.49E-07	3.01E-06	5.85E-06
3,852	8.76E-07	7.46E-06	1.48E-05	7.73E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.33E-06	3.53E-07	3.06E-06	6.01E-06	4.22E-07	3.55E-06	7.05E-06	4.53E-07	3.76E-06	7.51E-06	3.49E-07	3.01E-06	5.85E-06
3,853	8.76E-07	7.46E-06	1.48E-05	7.73E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.32E-06	3.53E-07	3.06E-06	6.01E-06	4.22E-07	3.55E-06	7.05E-06	4.53E-07	3.76E-06	7.51E-06	3.49E-07	3.01E-06	5.84E-06
3,854	8.75E-07	7.46E-06	1.48E-05	7.72E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.32E-06	3.53E-07	3.06E-06	6.01E-06	4.22E-07	3.55E-06	7.04E-06	4.53E-07	3.76E-06	7.51E-06	3.49E-07	3.01E-06	5.84E-06
3,855	8.74E-07	7.45E-06	1.48E-05	7.72E-07	6.58E-06	1.29E-05	3.18E-07	2.75E-06	5.31E-06	3.53E-07	3.06E-06	6.01E-06	4.21E-07	3.55E-06	7.04E-06	4.53E-07	3.76E-06	7.51E-06	3.48E-07	3.00E-06	5.84E-06
3,856	8.74E-07	7.45E-06	1.48E-05	7.72E-07	6.58E-06	1.29E-05	3.17E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.01E-06	4.21E-07	3.55E-06	7.04E-06	4.53E-07	3.76E-06	7.51E-06	3.48E-07	3.00E-06	5.84E-06
3,857	8.74E-07	7.45E-06	1.48E-05	7.72E-07	6.57E-06	1.29E-05	3.17E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.01E-06	4.21E-07	3.55E-06	7.04E-06	4.53E-07	3.76E-06	7.51E-06	3.48E-07	3.00E-06	5.83E-06
3,858	8.74E-07	7.44E-06	1.48E-05	7.71E-07	6.57E-06	1.29E-05	3.17E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.01E-06	4.21E-07	3.55E-06	7.02E-06	4.53E-07	3.76E-06	7.51E-06	3.48E-07	3.00E-06	5.83E-06
3,859	8.73E-07	7.44E-06	1.48E-05	7.71E-07	6.56E-06	1.29E-05	3.17E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.01E-06	4.21E-07	3.55E-06	7.02E-06	4.52E-07	3.76E-06	7.50E-06	3.48E-07	3.00E-06	5.83E-06
3,860	8.73E-07	7.44E-06	1.48E-05	7.71E-07	6.55E-06	1.29E-05	3.16E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.00E-06	4.20E-07	3.55E-06	7.02E-06	4.52E-07	3.75E-06	7.50E-06	3.47E-07	3.00E-06	5.83E-06
3,861	8.73E-07	7.44E-06	1.48E-05	7.71E-07	6.55E-06	1.29E-05	3.16E-07	2.75E-06	5.31E-06	3.53E-07	3.05E-06	6.00E-06	4.20E-07	3.55E-06	7.02E-06	4.52E-07	3.75E-06	7.50E-06	3.47E-07	3.00E-06	5.83E-06
3,862	8.73E-07	7.43E-06	1.48E-05	7.71E-07	6.54E-06	1.29E-05	3.16E-07	2.74E-06	5.31E-06	3.52E-07	3.05E-06	6.00E-06	4.20E-07	3.55E-06	7.02E-06	4.52E-07	3.75E-06	7.50E-06	3.47E-07	3.00E-06	5.82E-06
3,863	8.73E-07	7.43E-06	1.48E-05	7.71E-07	6.54E-06	1.29E-05	3.16E-07	2.74E-06	5.30E-06	3.52E-07	3.05E-06	6.00E-06	4.20E-07	3.55E-06	7.01E-06	4.52E-07	3.75E-06	7.50E-06	3.47E-07	3.00E-06	5.82E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,884	8.65E-07	7.34E-06	1.46E-05	7.66E-07	6.50E-06	1.28E-05	3.13E-07	2.72E-06	5.27E-06	3.50E-07	3.03E-06	5.95E-06	4.17E-07	3.53E-06	6.98E-06	4.48E-07	3.72E-06	7.44E-06	3.46E-07	2.98E-06	5.76E-06
3,885	8.65E-07	7.34E-06	1.46E-05	7.66E-07	6.50E-06	1.28E-05	3.13E-07	2.72E-06	5.27E-06	3.50E-07	3.03E-06	5.95E-06	4.17E-07	3.53E-06	6.97E-06	4.48E-07	3.72E-06	7.43E-06	3.46E-07	2.98E-06	5.76E-06
3,886	8.65E-07	7.33E-06	1.46E-05	7.66E-07	6.49E-06	1.28E-05	3.13E-07	2.72E-06	5.27E-06	3.50E-07	3.03E-06	5.95E-06	4.17E-07	3.52E-06	6.97E-06	4.48E-07	3.71E-06	7.43E-06	3.45E-07	2.98E-06	5.75E-06
3,887	8.64E-07	7.33E-06	1.46E-05	7.65E-07	6.48E-06	1.27E-05	3.13E-07	2.71E-06	5.27E-06	3.50E-07	3.03E-06	5.95E-06	4.17E-07	3.52E-06	6.97E-06	4.48E-07	3.71E-06	7.43E-06	3.45E-07	2.98E-06	5.75E-06
3,888	8.64E-07	7.33E-06	1.46E-05	7.65E-07	6.48E-06	1.27E-05	3.12E-07	2.71E-06	5.27E-06	3.50E-07	3.02E-06	5.95E-06	4.17E-07	3.52E-06	6.97E-06	4.48E-07	3.71E-06	7.42E-06	3.45E-07	2.98E-06	5.75E-06
3,889	8.64E-07	7.33E-06	1.46E-05	7.65E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.27E-06	3.50E-07	3.02E-06	5.95E-06	4.16E-07	3.52E-06	6.97E-06	4.47E-07	3.71E-06	7.42E-06	3.45E-07	2.98E-06	5.75E-06
3,890	8.64E-07	7.33E-06	1.46E-05	7.65E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.27E-06	3.50E-07	3.02E-06	5.95E-06	4.16E-07	3.52E-06	6.97E-06	4.47E-07	3.70E-06	7.42E-06	3.45E-07	2.98E-06	5.75E-06
3,891	8.64E-07	7.33E-06	1.46E-05	7.65E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.27E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.52E-06	6.97E-06	4.47E-07	3.70E-06	7.41E-06	3.45E-07	2.98E-06	5.75E-06
3,892	8.62E-07	7.32E-06	1.46E-05	7.64E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.27E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.52E-06	6.97E-06	4.47E-07	3.70E-06	7.41E-06	3.45E-07	2.97E-06	5.75E-06
3,893	8.62E-07	7.31E-06	1.46E-05	7.64E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.52E-06	6.97E-06	4.47E-07	3.70E-06	7.41E-06	3.45E-07	2.97E-06	5.74E-06
3,894	8.62E-07	7.30E-06	1.46E-05	7.64E-07	6.47E-06	1.27E-05	3.12E-07	2.71E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.52E-06	6.96E-06	4.47E-07	3.70E-06	7.41E-06	3.45E-07	2.97E-06	5.74E-06
3,895	8.61E-07	7.29E-06	1.46E-05	7.64E-07	6.47E-06	1.27E-05	3.11E-07	2.71E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.51E-06	6.96E-06	4.46E-07	3.69E-06	7.41E-06	3.45E-07	2.97E-06	5.74E-06
3,896	8.61E-07	7.29E-06	1.46E-05	7.64E-07	6.47E-06	1.27E-05	3.11E-07	2.70E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.16E-07	3.51E-06	6.96E-06	4.46E-07	3.69E-06	7.41E-06	3.45E-07	2.97E-06	5.73E-06
3,897	8.60E-07	7.28E-06	1.46E-05	7.63E-07	6.46E-06	1.27E-05	3.11E-07	2.70E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.15E-07	3.51E-06	6.96E-06	4.46E-07	3.69E-06	7.40E-06	3.45E-07	2.97E-06	5.73E-06
3,898	8.60E-07	7.28E-06	1.45E-05	7.63E-07	6.46E-06	1.27E-05	3.11E-07	2.70E-06	5.26E-06	3.49E-07	3.02E-06	5.94E-06	4.15E-07	3.51E-06	6.95E-06	4.46E-07	3.69E-06	7.40E-06	3.44E-07	2.97E-06	5.73E-06
3,899	8.60E-07	7.27E-06	1.45E-05	7.63E-07	6.46E-06	1.27E-05	3.11E-07	2.70E-06	5.26E-06	3.48E-07	3.02E-06	5.93E-06	4.15E-07	3.51E-06	6.95E-06	4.46E-07	3.69E-06	7.40E-06	3.44E-07	2.97E-06	5.73E-06
3,900	8.59E-07	7.27E-06	1.45E-05	7.63E-07	6.46E-06	1.27E-05	3.11E-07	2.70E-06	5.25E-06	3.48E-07	3.02E-06	5.93E-06	4.15E-07	3.51E-06	6.95E-06	4.46E-07	3.68E-06	7.40E-06	3.44E-07	2.97E-06	5.73E-06
3,901	8.59E-07	7.27E-06	1.45E-05	7.63E-07	6.45E-06	1.27E-05	3.11E-07	2.70E-06	5.25E-06	3.48E-07	3.02E-06	5.93E-06	4.15E-07	3.51E-06	6.95E-06	4.46E-07	3.68E-06	7.39E-06	3.44E-07	2.97E-06	5.73E-06
3,902	8.59E-07	7.27E-06	1.45E-05	7.63E-07	6.45E-06	1.27E-05	3.11E-07	2.70E-06	5.25E-06	3.48E-07	3.02E-06	5.93E-06	4.15E-07	3.51E-06	6.95E-06	4.45E-07	3.68E-06	7.39E-06	3.43E-07	2.97E-06	5.73E-06
3,903	8.58E-07	7.27E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.25E-06	3.48E-07	3.02E-06	5.93E-06	4.14E-07	3.51E-06	6.95E-06	4.45E-07	3.68E-06	7.39E-06	3.43E-07	2.97E-06	5.73E-06
3,904	8.58E-07	7.27E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.25E-06	3.48E-07	3.02E-06	5.92E-06	4.14E-07	3.51E-06	6.95E-06	4.45E-07	3.68E-06	7.39E-06	3.43E-07	2.97E-06	5.73E-06
3,905	8.58E-07	7.27E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.24E-06	3.48E-07	3.02E-06	5.92E-06	4.14E-07	3.50E-06	6.95E-06	4.45E-07	3.68E-06	7.38E-06	3.43E-07	2.97E-06	5.73E-06
3,906	8.58E-07	7.27E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.24E-06	3.48E-07	3.01E-06	5.92E-06	4.14E-07	3.50E-06	6.95E-06	4.45E-07	3.68E-06	7.38E-06	3.43E-07	2.97E-06	5.73E-06
3,907	8.57E-07	7.26E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.24E-06	3.48E-07	3.01E-06	5.92E-06	4.14E-07	3.50E-06	6.95E-06	4.45E-07	3.68E-06	7.38E-06	3.43E-07	2.97E-06	5.73E-06
3,908	8.57E-07	7.26E-06	1.45E-05	7.62E-07	6.45E-06	1.27E-05	3.10E-07	2.70E-06	5.24E-06	3.48E-07	3.01E-06	5.92E-06	4.14E-07	3.50E-06	6.94E-06	4.45E-07	3.68E-06	7.38E-06	3.43E-07	2.97E-06	5.72E-06
3,909	8.57E-07	7.26E-06	1.45E-05	7.61E-07	6.45E-06	1.26E-05	3.10E-07	2.70E-06	5.24E-06	3.48E-07	3.01E-06	5.92E-06	4.13E-07	3.50E-06	6.94E-06	4.44E-07	3.68E-06	7.37E-06	3.43E-07	2.96E-06	5.72E-06
3,910	8.57E-07	7.26E-06	1.45E-05	7.61E-07	6.44E-06	1.26E-05	3.10E-07	2.70E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.49E-06	6.93E-06	4.44E-07	3.68E-06	7.37E-06	3.43E-07	2.96E-06	5.72E-06
3,911	8.57E-07	7.26E-06	1.45E-05	7.61E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.49E-06	6.93E-06	4.44E-07	3.68E-06	7.36E-06	3.43E-07	2.96E-06	5.72E-06
3,912	8.56E-07	7.26E-06	1.45E-05	7.61E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.49E-06	6.93E-06	4.44E-07	3.68E-06	7.36E-06	3.43E-07	2.96E-06	5.71E-06
3,913	8.56E-07	7.26E-06	1.45E-05	7.59E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.49E-06	6.93E-06	4.44E-07	3.68E-06	7.36E-06	3.43E-07	2.96E-06	5.71E-06
3,914	8.56E-07	7.25E-06	1.45E-05	7.59E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.49E-06	6.93E-06	4.44E-07	3.67E-06	7.36E-06	3.43E-07	2.96E-06	5.71E-06
3,915	8.55E-07	7.25E-06	1.45E-05	7.59E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.24E-06	3.47E-07	3.01E-06	5.91E-06	4.13E-07	3.48E-06	6.93E-06	4.43E-07	3.67E-06	7.35E-06	3.42E-07	2.96E-06	5.71E-06
3,916	8.55E-07	7.25E-06	1.45E-05	7.59E-07	6.44E-06	1.26E-05	3.10E-07	2.69E-06	5.23E-06	3.47E-07	3.01E-06	5.91E-06	4.12E-07	3.48E-06	6.93E-06	4.43E-07	3.67E-06	7.35E-06	3.42E-07	2.95E-06	5.71E-06
3,917	8.55E-07	7.25E-06	1.44E-05	7.58E-07	6.43E-06	1.26E-05	3.10E-07	2.69E-06	5.23E-06	3.47E-07	3.01E-06	5.90E-06	4.12E-07	3.48E-06	6.93E-06	4.43E-07	3.67E-06	7.35E-06	3.42E-07	2.95E-06	5.70E-06
3,918	8.55E-07	7.24E-06	1.44E-05	7.58E-07	6.43E-06	1.26E-05	3.09E-07	2.69E-06	5.23E-06	3.47E-07	3.00E-06	5.90E-06	4.12E-07	3.48E-06	6.92E-06	4.43E-07	3.67E-06	7.35E-06	3.42E-07	2.95E-06	5.70E-06
3,919	8.54E-07	7.23E-06	1.44E-05	7.58E-07	6.43E-06	1.26E-05	3.09E-07	2.69E-06	5.23E-06	3.47E-07	3.00E-06	5.90E-06	4.12E-07	3.48E-06	6.92E-06	4.43E-07	3.67E-06	7.35E-06	3.42E-07	2.95E-06	5.70E-06
3,920	8.54E-07	7.23E-06	1.44E-05	7.58E-07	6.43E-06	1.26E-05	3.09E-07	2.69E-06	5.23E-06	3.47E-07	3.00E-06	5.90E-06	4.12E-07	3.48E-06	6.92E-06	4.43E-07	3.67E-06	7.34E-06	3.42E-07	2.95E-06	5.70E-06
3,921	8.54E-07	7.23E-06	1.44E-05	7.58E-07	6.43E-06	1.26E-05	3.09E-07	2.68E-06	5.23E-06	3.47E-07	3.00E-06	5.90E-06	4.12E-07	3.48E-06	6.92E-06	4.43E-07	3.67E-06	7.34E-06	3.42E-07	2.95E-06	5.69E-06
3,922	8.54E-07	7.23E-06	1.44E-05	7.58E-07	6.42E-06	1.26E-05	3.09E-07	2.68E-06	5.23E-06	3.47E-07	3.00E-06	5.90E-06	4.12E-07	3.47E-06	6.92E-06	4.43E-07	3.67E-06	7.34E-06	3.42E-07	2.95E-06	5.69E-06
3,923	8.54E-07	7.22E-06	1.44E-05	7.57E-07	6.42E-06	1.26E-05	3.09E-07	2.68E-06	5.23E-06	3.47E-07	3.00E-06	5.89E-06	4.12E-07	3.47E-06	6.91E-06	4.43E-07	3.67E-06	7.34E-06	3.41E-07	2.94E-06	5.69E-06
3,924	8.53E-07	7.22E-06	1.44E-05	7.57E-07	6.42E-06	1.26E-05	3.09E-07	2.68E-06	5.22E-06	3.47E-07	3.00E-06	5.89E-06	4.11E-07	3.47E-06	6.91E-06	4.43E-07	3.67E-06	7.34E-06	3.41E-07	2.94E-06	5.69E-06
3,925	8.53E-07	7.22E-06	1.44E-05	7.57E-07	6.42E-06	1.26E-05	3.09E-07	2.68E-06	5.22E-06	3.46E-07	3.00E-06	5.89E-06	4.11E-07	3.47E-06	6.90E-06	4.43E-07	3.67E-06	7.34E-06	3.41E-07	2.94E-06	5.69E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,008	8.33E-07	7.05E-06	1.40E-05	7.36E-07	6.25E-06	1.22E-05	3.03E-07	2.61E-06	5.11E-06	3.39E-07	2.92E-06	5.74E-06	4.02E-07	3.37E-06	6.73E-06	4.31E-07	3.58E-06	7.17E-06	3.32E-07	2.85E-06	5.56E-06
4,009	8.32E-07	7.05E-06	1.40E-05	7.36E-07	6.25E-06	1.22E-05	3.03E-07	2.61E-06	5.11E-06	3.39E-07	2.92E-06	5.74E-06	4.02E-07	3.37E-06	6.73E-06	4.31E-07	3.58E-06	7.17E-06	3.32E-07	2.85E-06	5.56E-06
4,010	8.32E-07	7.05E-06	1.40E-05	7.36E-07	6.24E-06	1.22E-05	3.03E-07	2.61E-06	5.11E-06	3.39E-07	2.92E-06	5.73E-06	4.02E-07	3.37E-06	6.73E-06	4.31E-07	3.57E-06	7.16E-06	3.32E-07	2.85E-06	5.56E-06
4,011	8.32E-07	7.05E-06	1.40E-05	7.35E-07	6.24E-06	1.22E-05	3.02E-07	2.61E-06	5.11E-06	3.39E-07	2.92E-06	5.73E-06	4.01E-07	3.37E-06	6.73E-06	4.31E-07	3.57E-06	7.16E-06	3.32E-07	2.85E-06	5.56E-06
4,012	8.32E-07	7.04E-06	1.40E-05	7.35E-07	6.24E-06	1.22E-05	3.02E-07	2.61E-06	5.10E-06	3.39E-07	2.92E-06	5.73E-06	4.01E-07	3.37E-06	6.72E-06	4.31E-07	3.57E-06	7.16E-06	3.32E-07	2.84E-06	5.56E-06
4,013	8.31E-07	7.04E-06	1.40E-05	7.33E-07	6.23E-06	1.22E-05	3.02E-07	2.61E-06	5.10E-06	3.39E-07	2.92E-06	5.73E-06	4.01E-07	3.37E-06	6.72E-06	4.31E-07	3.57E-06	7.16E-06	3.32E-07	2.84E-06	5.56E-06
4,014	8.31E-07	7.03E-06	1.40E-05	7.33E-07	6.23E-06	1.22E-05	3.02E-07	2.61E-06	5.10E-06	3.39E-07	2.91E-06	5.73E-06	4.01E-07	3.36E-06	6.72E-06	4.31E-07	3.57E-06	7.16E-06	3.32E-07	2.84E-06	5.56E-06
4,015	8.31E-07	7.03E-06	1.40E-05	7.33E-07	6.23E-06	1.22E-05	3.02E-07	2.61E-06	5.10E-06	3.39E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.72E-06	4.31E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,016	8.31E-07	7.02E-06	1.40E-05	7.33E-07	6.23E-06	1.21E-05	3.02E-07	2.61E-06	5.10E-06	3.39E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,017	8.31E-07	7.02E-06	1.40E-05	7.32E-07	6.23E-06	1.21E-05	3.02E-07	2.61E-06	5.09E-06	3.39E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,018	8.31E-07	7.02E-06	1.40E-05	7.32E-07	6.23E-06	1.21E-05	3.02E-07	2.61E-06	5.09E-06	3.39E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,019	8.30E-07	7.02E-06	1.40E-05	7.32E-07	6.22E-06	1.21E-05	3.01E-07	2.61E-06	5.09E-06	3.38E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,020	8.30E-07	7.01E-06	1.40E-05	7.31E-07	6.22E-06	1.21E-05	3.01E-07	2.61E-06	5.09E-06	3.38E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.57E-06	7.15E-06	3.31E-07	2.84E-06	5.55E-06
4,021	8.30E-07	7.01E-06	1.40E-05	7.31E-07	6.22E-06	1.21E-05	3.01E-07	2.60E-06	5.09E-06	3.38E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.71E-06	4.30E-07	3.56E-06	7.14E-06	3.31E-07	2.84E-06	5.55E-06
4,022	8.30E-07	7.01E-06	1.40E-05	7.31E-07	6.22E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.38E-07	2.91E-06	5.72E-06	4.00E-07	3.36E-06	6.70E-06	4.30E-07	3.56E-06	7.14E-06	3.31E-07	2.84E-06	5.55E-06
4,023	8.30E-07	7.00E-06	1.40E-05	7.31E-07	6.22E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.38E-07	2.91E-06	5.71E-06	4.00E-07	3.36E-06	6.70E-06	4.29E-07	3.56E-06	7.14E-06	3.31E-07	2.84E-06	5.55E-06
4,024	8.29E-07	7.00E-06	1.40E-05	7.31E-07	6.22E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.37E-07	2.91E-06	5.71E-06	4.00E-07	3.35E-06	6.70E-06	4.29E-07	3.56E-06	7.14E-06	3.31E-07	2.84E-06	5.55E-06
4,025	8.29E-07	7.00E-06	1.40E-05	7.31E-07	6.21E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.37E-07	2.90E-06	5.71E-06	3.99E-07	3.35E-06	6.69E-06	4.29E-07	3.56E-06	7.14E-06	3.31E-07	2.83E-06	5.54E-06
4,026	8.28E-07	7.00E-06	1.40E-05	7.30E-07	6.21E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.37E-07	2.90E-06	5.71E-06	3.99E-07	3.35E-06	6.69E-06	4.29E-07	3.56E-06	7.13E-06	3.30E-07	2.83E-06	5.54E-06
4,027	8.28E-07	6.99E-06	1.40E-05	7.30E-07	6.21E-06	1.21E-05	3.01E-07	2.60E-06	5.08E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.69E-06	4.29E-07	3.56E-06	7.13E-06	3.30E-07	2.83E-06	5.54E-06
4,028	8.28E-07	6.99E-06	1.40E-05	7.30E-07	6.21E-06	1.21E-05	3.01E-07	2.60E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.68E-06	4.29E-07	3.55E-06	7.13E-06	3.30E-07	2.83E-06	5.54E-06
4,029	8.28E-07	6.99E-06	1.40E-05	7.30E-07	6.21E-06	1.21E-05	3.01E-07	2.59E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.68E-06	4.28E-07	3.55E-06	7.13E-06	3.30E-07	2.83E-06	5.53E-06
4,030	8.28E-07	6.99E-06	1.39E-05	7.30E-07	6.20E-06	1.21E-05	3.01E-07	2.59E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.68E-06	4.28E-07	3.55E-06	7.13E-06	3.30E-07	2.83E-06	5.53E-06
4,031	8.27E-07	6.99E-06	1.39E-05	7.30E-07	6.20E-06	1.21E-05	3.01E-07	2.59E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.68E-06	4.28E-07	3.55E-06	7.13E-06	3.30E-07	2.83E-06	5.53E-06
4,032	8.27E-07	6.99E-06	1.39E-05	7.30E-07	6.20E-06	1.21E-05	3.00E-07	2.59E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.67E-06	4.28E-07	3.55E-06	7.13E-06	3.30E-07	2.83E-06	5.53E-06
4,033	8.26E-07	6.98E-06	1.39E-05	7.30E-07	6.20E-06	1.21E-05	3.00E-07	2.59E-06	5.07E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.67E-06	4.28E-07	3.55E-06	7.12E-06	3.30E-07	2.83E-06	5.53E-06
4,034	8.26E-07	6.97E-06	1.39E-05	7.29E-07	6.20E-06	1.21E-05	3.00E-07	2.59E-06	5.06E-06	3.37E-07	2.90E-06	5.70E-06	3.99E-07	3.35E-06	6.67E-06	4.28E-07	3.55E-06	7.12E-06	3.30E-07	2.83E-06	5.53E-06
4,035	8.26E-07	6.97E-06	1.39E-05	7.29E-07	6.20E-06	1.21E-05	3.00E-07	2.59E-06	5.06E-06	3.36E-07	2.90E-06	5.69E-06	3.99E-07	3.35E-06	6.66E-06	4.28E-07	3.55E-06	7.12E-06	3.30E-07	2.83E-06	5.53E-06
4,036	8.26E-07	6.97E-06	1.39E-05	7.29E-07	6.20E-06	1.21E-05	3.00E-07	2.59E-06	5.06E-06	3.36E-07	2.90E-06	5.69E-06	3.99E-07	3.35E-06	6.66E-06	4.28E-07	3.55E-06	7.12E-06	3.30E-07	2.83E-06	5.53E-06
4,037	8.25E-07	6.97E-06	1.39E-05	7.29E-07	6.20E-06	1.21E-05	3.00E-07	2.58E-06	5.06E-06	3.36E-07	2.90E-06	5.69E-06	3.99E-07	3.34E-06	6.66E-06	4.28E-07	3.55E-06	7.12E-06	3.30E-07	2.82E-06	5.52E-06
4,038	8.24E-07	6.96E-06	1.39E-05	7.29E-07	6.19E-06	1.21E-05	3.00E-07	2.58E-06	5.06E-06	3.36E-07	2.90E-06	5.69E-06	3.99E-07	3.34E-06	6.66E-06	4.28E-07	3.55E-06	7.11E-06	3.29E-07	2.82E-06	5.52E-06
4,039	8.24E-07	6.96E-06	1.39E-05	7.29E-07	6.19E-06	1.21E-05	3.00E-07	2.58E-06	5.06E-06	3.36E-07	2.90E-06	5.69E-06	3.99E-07	3.34E-06	6.66E-06	4.28E-07	3.54E-06	7.11E-06	3.29E-07	2.82E-06	5.52E-06
4,040	8.24E-07	6.96E-06	1.39E-05	7.28E-07	6.19E-06	1.21E-05	3.00E-07	2.58E-06	5.06E-06	3.36E-07	2.90E-06	5.68E-06	3.99E-07	3.34E-06	6.66E-06	4.27E-07	3.54E-06	7.11E-06	3.29E-07	2.82E-06	5.51E-06
4,041	8.24E-07	6.96E-06	1.39E-05	7.28E-07	6.18E-06	1.21E-05	3.00E-07	2.58E-06	5.05E-06	3.36E-07	2.89E-06	5.68E-06	3.98E-07	3.34E-06	6.66E-06	4.27E-07	3.54E-06	7.11E-06	3.29E-07	2.82E-06	5.51E-06
4,042	8.24E-07	6.96E-06	1.39E-05	7.28E-07	6.18E-06	1.21E-05	3.00E-07	2.58E-06	5.05E-06	3.36E-07	2.89E-06	5.68E-06	3.98E-07	3.34E-06	6.66E-06	4.27E-07	3.54E-06	7.10E-06	3.29E-07	2.82E-06	5.51E-06
4,043	8.23E-07	6.96E-06	1.39E-05	7.28E-07	6.18E-06	1.21E-05	3.00E-07	2.58E-06	5.05E-06	3.36E-07	2.89E-06	5.68E-06	3.98E-07	3.34E-06	6.66E-06	4.27E-07	3.53E-06	7.10E-06	3.29E-07	2.82E-06	5.51E-06
4,044	8.22E-07	6.95E-06	1.39E-05	7.28E-07	6.17E-06	1.21E-05	3.00E-07	2.58E-06	5.04E-06	3.35E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.66E-06	4.27E-07	3.53E-06	7.10E-06	3.29E-07	2.82E-06	5.51E-06
4,045	8.22E-07	6.95E-06	1.39E-05	7.27E-07	6.17E-06	1.21E-05	3.00E-07	2.58E-06	5.04E-06	3.35E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.65E-06	4.27E-07	3.53E-06	7.09E-06	3.29E-07	2.81E-06	5.51E-06
4,046	8.22E-07	6.95E-06	1.39E-05	7.27E-07	6.17E-06	1.20E-05	3.00E-07	2.58E-06	5.04E-06	3.35E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.65E-06	4.27E-07	3.53E-06	7.09E-06	3.29E-07	2.81E-06	5.51E-06
4,047	8.22E-07	6.95E-06	1.39E-05	7.27E-07	6.17E-06	1.20E-05	3.00E-07	2.57E-06	5.04E-06	3.35E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.65E-06	4.26E-07	3.53E-06	7.09E-06	3.29E-07	2.81E-06	5.51E-06
4,048	8.21E-07	6.95E-06	1.39E-05	7.27E-07	6.17E-06	1.20E-05	3.00E-07	2.57E-06	5.04E-06	3.35E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.65E-06	4.26E-07	3.53E-06	7.09E-06	3.29E-07	2.81E-06	5.50E-06
4,049	8.21E-07	6.95E-06	1.39E-05	7.27E-07	6.17E-06	1.20E-05	3.00E-07	2.57E-06	5.04E-06	3.34E-07	2.89E-06	5.67E-06	3.97E-07	3.34E-06	6.64E-06	4.26E-07	3.53E-06	7.08E-06	3.29E-07	2.81E-06	5.50E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,132	7.97E-07	6.80E-06	1.35E-05	7.11E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.92E-06	3.26E-07	2.82E-06	5.54E-06	3.87E-07	3.25E-06	6.48E-06	4.16E-07	3.44E-06	6.94E-06	3.20E-07	2.75E-06	5.38E-06
4,133	7.97E-07	6.79E-06	1.35E-05	7.10E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.92E-06	3.26E-07	2.82E-06	5.54E-06	3.87E-07	3.25E-06	6.48E-06	4.16E-07	3.44E-06	6.93E-06	3.20E-07	2.75E-06	5.38E-06
4,134	7.97E-07	6.79E-06	1.35E-05	7.10E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.92E-06	3.26E-07	2.82E-06	5.54E-06	3.87E-07	3.25E-06	6.48E-06	4.15E-07	3.44E-06	6.93E-06	3.20E-07	2.75E-06	5.37E-06
4,135	7.97E-07	6.79E-06	1.35E-05	7.10E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.92E-06	3.26E-07	2.82E-06	5.54E-06	3.87E-07	3.25E-06	6.48E-06	4.15E-07	3.44E-06	6.93E-06	3.20E-07	2.75E-06	5.37E-06
4,136	7.97E-07	6.79E-06	1.35E-05	7.10E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.91E-06	3.26E-07	2.82E-06	5.53E-06	3.87E-07	3.24E-06	6.47E-06	4.15E-07	3.44E-06	6.93E-06	3.20E-07	2.75E-06	5.37E-06
4,137	7.97E-07	6.79E-06	1.35E-05	7.10E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.91E-06	3.26E-07	2.81E-06	5.53E-06	3.87E-07	3.24E-06	6.47E-06	4.15E-07	3.44E-06	6.93E-06	3.20E-07	2.75E-06	5.37E-06
4,138	7.96E-07	6.78E-06	1.35E-05	7.09E-07	5.95E-06	1.17E-05	2.92E-07	2.50E-06	4.91E-06	3.26E-07	2.81E-06	5.53E-06	3.86E-07	3.24E-06	6.47E-06	4.15E-07	3.44E-06	6.92E-06	3.20E-07	2.74E-06	5.37E-06
4,139	7.95E-07	6.78E-06	1.35E-05	7.09E-07	5.95E-06	1.17E-05	2.92E-07	2.49E-06	4.91E-06	3.26E-07	2.81E-06	5.53E-06	3.86E-07	3.24E-06	6.47E-06	4.14E-07	3.44E-06	6.92E-06	3.20E-07	2.74E-06	5.37E-06
4,140	7.95E-07	6.78E-06	1.35E-05	7.08E-07	5.94E-06	1.17E-05	2.92E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.53E-06	3.86E-07	3.24E-06	6.47E-06	4.14E-07	3.44E-06	6.92E-06	3.19E-07	2.74E-06	5.37E-06
4,141	7.95E-07	6.78E-06	1.35E-05	7.08E-07	5.94E-06	1.17E-05	2.91E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.52E-06	3.86E-07	3.24E-06	6.47E-06	4.14E-07	3.44E-06	6.92E-06	3.19E-07	2.74E-06	5.37E-06
4,142	7.95E-07	6.77E-06	1.35E-05	7.08E-07	5.94E-06	1.17E-05	2.91E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.52E-06	3.85E-07	3.24E-06	6.47E-06	4.14E-07	3.43E-06	6.92E-06	3.19E-07	2.74E-06	5.36E-06
4,143	7.93E-07	6.77E-06	1.35E-05	7.08E-07	5.94E-06	1.17E-05	2.91E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.52E-06	3.85E-07	3.24E-06	6.46E-06	4.13E-07	3.43E-06	6.92E-06	3.19E-07	2.74E-06	5.36E-06
4,144	7.93E-07	6.77E-06	1.35E-05	7.08E-07	5.94E-06	1.17E-05	2.91E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.52E-06	3.85E-07	3.23E-06	6.46E-06	4.13E-07	3.43E-06	6.92E-06	3.19E-07	2.74E-06	5.36E-06
4,145	7.93E-07	6.77E-06	1.35E-05	7.07E-07	5.93E-06	1.17E-05	2.91E-07	2.49E-06	4.91E-06	3.25E-07	2.81E-06	5.51E-06	3.85E-07	3.23E-06	6.46E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.36E-06
4,146	7.93E-07	6.77E-06	1.35E-05	7.07E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.91E-06	3.25E-07	2.81E-06	5.51E-06	3.85E-07	3.23E-06	6.46E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.35E-06
4,147	7.93E-07	6.76E-06	1.35E-05	7.07E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.25E-07	2.81E-06	5.51E-06	3.85E-07	3.23E-06	6.45E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.35E-06
4,148	7.92E-07	6.76E-06	1.35E-05	7.07E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.25E-07	2.81E-06	5.51E-06	3.84E-07	3.23E-06	6.45E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.35E-06
4,149	7.92E-07	6.76E-06	1.35E-05	7.06E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.25E-07	2.81E-06	5.50E-06	3.84E-07	3.23E-06	6.45E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.35E-06
4,150	7.92E-07	6.76E-06	1.35E-05	7.06E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.25E-07	2.80E-06	5.50E-06	3.84E-07	3.23E-06	6.45E-06	4.13E-07	3.43E-06	6.91E-06	3.19E-07	2.74E-06	5.34E-06
4,151	7.92E-07	6.76E-06	1.34E-05	7.06E-07	5.93E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.23E-06	6.44E-06	4.13E-07	3.42E-06	6.91E-06	3.19E-07	2.74E-06	5.34E-06
4,152	7.91E-07	6.76E-06	1.34E-05	7.06E-07	5.92E-06	1.17E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.23E-06	6.44E-06	4.13E-07	3.42E-06	6.90E-06	3.19E-07	2.73E-06	5.34E-06
4,153	7.91E-07	6.76E-06	1.34E-05	7.05E-07	5.92E-06	1.16E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.22E-06	6.44E-06	4.13E-07	3.42E-06	6.90E-06	3.18E-07	2.73E-06	5.34E-06
4,154	7.91E-07	6.76E-06	1.34E-05	7.05E-07	5.92E-06	1.16E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.22E-06	6.44E-06	4.13E-07	3.42E-06	6.89E-06	3.18E-07	2.73E-06	5.34E-06
4,155	7.91E-07	6.75E-06	1.34E-05	7.05E-07	5.92E-06	1.16E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.22E-06	6.44E-06	4.13E-07	3.42E-06	6.89E-06	3.18E-07	2.73E-06	5.34E-06
4,156	7.90E-07	6.75E-06	1.34E-05	7.05E-07	5.92E-06	1.16E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.22E-06	6.44E-06	4.13E-07	3.42E-06	6.89E-06	3.18E-07	2.73E-06	5.34E-06
4,157	7.90E-07	6.75E-06	1.34E-05	7.04E-07	5.92E-06	1.16E-05	2.91E-07	2.48E-06	4.90E-06	3.24E-07	2.80E-06	5.50E-06	3.84E-07	3.22E-06	6.43E-06	4.13E-07	3.42E-06	6.89E-06	3.18E-07	2.73E-06	5.34E-06
4,158	7.90E-07	6.75E-06	1.34E-05	7.04E-07	5.91E-06	1.16E-05	2.91E-07	2.47E-06	4.89E-06	3.24E-07	2.80E-06	5.50E-06	3.83E-07	3.22E-06	6.43E-06	4.13E-07	3.42E-06	6.88E-06	3.18E-07	2.73E-06	5.33E-06
4,159	7.90E-07	6.74E-06	1.34E-05	7.04E-07	5.91E-06	1.16E-05	2.91E-07	2.47E-06	4.89E-06	3.24E-07	2.79E-06	5.50E-06	3.83E-07	3.22E-06	6.43E-06	4.13E-07	3.42E-06	6.87E-06	3.18E-07	2.73E-06	5.33E-06
4,160	7.89E-07	6.74E-06	1.34E-05	7.04E-07	5.91E-06	1.16E-05	2.90E-07	2.47E-06	4.89E-06	3.23E-07	2.79E-06	5.49E-06	3.82E-07	3.22E-06	6.43E-06	4.12E-07	3.42E-06	6.87E-06	3.18E-07	2.73E-06	5.33E-06
4,161	7.89E-07	6.74E-06	1.34E-05	7.04E-07	5.91E-06	1.16E-05	2.90E-07	2.47E-06	4.89E-06	3.23E-07	2.79E-06	5.49E-06	3.82E-07	3.22E-06	6.42E-06	4.12E-07	3.42E-06	6.87E-06	3.18E-07	2.73E-06	5.33E-06
4,162	7.89E-07	6.74E-06	1.34E-05	7.03E-07	5.91E-06	1.16E-05	2.90E-07	2.47E-06	4.89E-06	3.23E-07	2.79E-06	5.49E-06	3.82E-07	3.21E-06	6.42E-06	4.12E-07	3.41E-06	6.87E-06	3.18E-07	2.73E-06	5.32E-06
4,163	7.89E-07	6.73E-06	1.34E-05	7.03E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.89E-06	3.23E-07	2.79E-06	5.49E-06	3.82E-07	3.21E-06	6.42E-06	4.12E-07	3.41E-06	6.86E-06	3.18E-07	2.73E-06	5.32E-06
4,164	7.88E-07	6.73E-06	1.34E-05	7.03E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.88E-06	3.23E-07	2.79E-06	5.49E-06	3.82E-07	3.21E-06	6.42E-06	4.12E-07	3.41E-06	6.86E-06	3.17E-07	2.72E-06	5.32E-06
4,165	7.88E-07	6.73E-06	1.34E-05	7.03E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.88E-06	3.22E-07	2.79E-06	5.48E-06	3.81E-07	3.21E-06	6.42E-06	4.11E-07	3.41E-06	6.86E-06	3.17E-07	2.72E-06	5.32E-06
4,166	7.88E-07	6.73E-06	1.34E-05	7.02E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.88E-06	3.22E-07	2.79E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.11E-07	3.41E-06	6.86E-06	3.17E-07	2.72E-06	5.31E-06
4,167	7.88E-07	6.72E-06	1.34E-05	7.02E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.88E-06	3.22E-07	2.79E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.11E-07	3.41E-06	6.86E-06	3.17E-07	2.72E-06	5.31E-06
4,168	7.87E-07	6.72E-06	1.34E-05	7.02E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.88E-06	3.22E-07	2.79E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.11E-07	3.41E-06	6.86E-06	3.17E-07	2.72E-06	5.31E-06
4,169	7.87E-07	6.72E-06	1.34E-05	7.02E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.87E-06	3.22E-07	2.78E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.11E-07	3.40E-06	6.85E-06	3.17E-07	2.72E-06	5.31E-06
4,170	7.87E-07	6.72E-06	1.34E-05	7.02E-07	5.90E-06	1.16E-05	2.90E-07	2.47E-06	4.87E-06	3.22E-07	2.78E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.10E-07	3.40E-06	6.85E-06	3.17E-07	2.72E-06	5.31E-06
4,171	7.87E-07	6.71E-06	1.33E-05	7.02E-07	5.90E-06	1.16E-05	2.89E-07	2.47E-06	4.87E-06	3.22E-07	2.78E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.10E-07	3.40E-06	6.85E-06	3.17E-07	2.71E-06	5.31E-06
4,172	7.87E-07	6.71E-06	1.33E-05	7.01E-07	5.90E-06	1.16E-05	2.89E-07	2.47E-06	4.87E-06	3.22E-07	2.78E-06	5.48E-06	3.81E-07	3.21E-06	6.41E-06	4.10E-07	3.40E-06	6.85E-06	3.17E-07	2.71E-06	5.31E-06
4,173	7.86E-07	6.70E-06	1.33E-05	7.01E-07	5.90E-06	1.16E-05	2.89E-07	2.47E-06	4.87E-06	3.22E-07	2.78E-06	5.48E-06	3.81E-07	3.21E-06	6.40E-06	4.10E-07	3.40E-06	6.84E-06	3.17E-07	2.71E-06	5.31E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,194	7.81E-07	6.66E-06	1.33E-05	6.97E-07	5.84E-06	1.15E-05	2.88E-07	2.45E-06	4.82E-06	3.21E-07	2.76E-06	5.45E-06	3.79E-07	3.18E-06	6.38E-06	4.06E-07	3.38E-06	6.81E-06	3.14E-07	2.70E-06	5.28E-06
4,195	7.81E-07	6.65E-06	1.33E-05	6.97E-07	5.84E-06	1.15E-05	2.88E-07	2.45E-06	4.82E-06	3.20E-07	2.76E-06	5.45E-06	3.79E-07	3.18E-06	6.38E-06	4.06E-07	3.38E-06	6.81E-06	3.14E-07	2.70E-06	5.28E-06
4,196	7.81E-07	6.65E-06	1.32E-05	6.97E-07	5.84E-06	1.15E-05	2.88E-07	2.45E-06	4.82E-06	3.20E-07	2.76E-06	5.45E-06	3.78E-07	3.18E-06	6.38E-06	4.06E-07	3.37E-06	6.80E-06	3.14E-07	2.70E-06	5.28E-06
4,197	7.80E-07	6.65E-06	1.32E-05	6.97E-07	5.84E-06	1.15E-05	2.88E-07	2.44E-06	4.81E-06	3.20E-07	2.76E-06	5.45E-06	3.78E-07	3.18E-06	6.38E-06	4.05E-07	3.37E-06	6.80E-06	3.14E-07	2.69E-06	5.28E-06
4,198	7.80E-07	6.65E-06	1.32E-05	6.96E-07	5.84E-06	1.15E-05	2.88E-07	2.44E-06	4.81E-06	3.20E-07	2.76E-06	5.44E-06	3.78E-07	3.18E-06	6.37E-06	4.05E-07	3.37E-06	6.79E-06	3.14E-07	2.69E-06	5.27E-06
4,199	7.80E-07	6.64E-06	1.32E-05	6.96E-07	5.84E-06	1.15E-05	2.88E-07	2.44E-06	4.81E-06	3.20E-07	2.76E-06	5.44E-06	3.78E-07	3.18E-06	6.37E-06	4.05E-07	3.37E-06	6.79E-06	3.14E-07	2.69E-06	5.27E-06
4,200	7.79E-07	6.64E-06	1.32E-05	6.96E-07	5.84E-06	1.15E-05	2.87E-07	2.44E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.78E-07	3.18E-06	6.37E-06	4.05E-07	3.37E-06	6.79E-06	3.14E-07	2.69E-06	5.27E-06
4,201	7.79E-07	6.64E-06	1.32E-05	6.96E-07	5.83E-06	1.15E-05	2.87E-07	2.44E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.78E-07	3.18E-06	6.37E-06	4.04E-07	3.37E-06	6.79E-06	3.14E-07	2.69E-06	5.27E-06
4,202	7.79E-07	6.63E-06	1.32E-05	6.96E-07	5.83E-06	1.15E-05	2.87E-07	2.44E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.78E-07	3.18E-06	6.37E-06	4.04E-07	3.37E-06	6.79E-06	3.14E-07	2.69E-06	5.27E-06
4,203	7.79E-07	6.62E-06	1.32E-05	6.96E-07	5.83E-06	1.14E-05	2.87E-07	2.44E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.78E-07	3.18E-06	6.36E-06	4.04E-07	3.37E-06	6.78E-06	3.13E-07	2.69E-06	5.27E-06
4,204	7.79E-07	6.62E-06	1.32E-05	6.95E-07	5.83E-06	1.14E-05	2.87E-07	2.44E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.77E-07	3.17E-06	6.36E-06	4.04E-07	3.37E-06	6.78E-06	3.13E-07	2.69E-06	5.26E-06
4,205	7.78E-07	6.62E-06	1.32E-05	6.95E-07	5.83E-06	1.14E-05	2.87E-07	2.43E-06	4.81E-06	3.20E-07	2.75E-06	5.44E-06	3.77E-07	3.17E-06	6.36E-06	4.04E-07	3.37E-06	6.78E-06	3.13E-07	2.69E-06	5.26E-06
4,206	7.78E-07	6.62E-06	1.32E-05	6.95E-07	5.83E-06	1.14E-05	2.87E-07	2.43E-06	4.81E-06	3.19E-07	2.75E-06	5.44E-06	3.77E-07	3.17E-06	6.36E-06	4.04E-07	3.37E-06	6.78E-06	3.13E-07	2.69E-06	5.26E-06
4,207	7.78E-07	6.61E-06	1.32E-05	6.94E-07	5.83E-06	1.14E-05	2.87E-07	2.43E-06	4.81E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.36E-06	4.04E-07	3.36E-06	6.77E-06	3.13E-07	2.69E-06	5.26E-06
4,208	7.77E-07	6.61E-06	1.32E-05	6.94E-07	5.83E-06	1.14E-05	2.87E-07	2.43E-06	4.81E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.36E-06	4.03E-07	3.36E-06	6.77E-06	3.13E-07	2.69E-06	5.26E-06
4,209	7.77E-07	6.61E-06	1.32E-05	6.94E-07	5.83E-06	1.14E-05	2.87E-07	2.43E-06	4.80E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.36E-06	4.03E-07	3.36E-06	6.77E-06	3.13E-07	2.69E-06	5.26E-06
4,210	7.77E-07	6.60E-06	1.32E-05	6.94E-07	5.82E-06	1.14E-05	2.87E-07	2.43E-06	4.80E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.35E-06	4.03E-07	3.36E-06	6.77E-06	3.13E-07	2.69E-06	5.25E-06
4,211	7.77E-07	6.60E-06	1.32E-05	6.94E-07	5.82E-06	1.14E-05	2.87E-07	2.42E-06	4.80E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.35E-06	4.03E-07	3.36E-06	6.77E-06	3.13E-07	2.68E-06	5.25E-06
4,212	7.76E-07	6.60E-06	1.32E-05	6.94E-07	5.82E-06	1.14E-05	2.87E-07	2.42E-06	4.80E-06	3.19E-07	2.75E-06	5.43E-06	3.77E-07	3.17E-06	6.34E-06	4.03E-07	3.36E-06	6.76E-06	3.13E-07	2.68E-06	5.25E-06
4,213	7.76E-07	6.60E-06	1.32E-05	6.94E-07	5.82E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.17E-06	6.34E-06	4.03E-07	3.36E-06	6.76E-06	3.13E-07	2.68E-06	5.25E-06
4,214	7.76E-07	6.60E-06	1.32E-05	6.93E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.17E-06	6.34E-06	4.03E-07	3.36E-06	6.76E-06	3.12E-07	2.68E-06	5.25E-06
4,215	7.76E-07	6.60E-06	1.32E-05	6.93E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.16E-06	6.34E-06	4.02E-07	3.36E-06	6.76E-06	3.12E-07	2.68E-06	5.25E-06
4,216	7.76E-07	6.59E-06	1.32E-05	6.93E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.36E-06	6.75E-06	3.12E-07	2.68E-06	5.24E-06
4,217	7.75E-07	6.59E-06	1.32E-05	6.93E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.36E-06	6.75E-06	3.12E-07	2.68E-06	5.24E-06
4,218	7.75E-07	6.59E-06	1.32E-05	6.92E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.19E-07	2.74E-06	5.43E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.36E-06	6.75E-06	3.12E-07	2.68E-06	5.24E-06
4,219	7.75E-07	6.59E-06	1.32E-05	6.92E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.18E-07	2.74E-06	5.42E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.36E-06	6.75E-06	3.12E-07	2.68E-06	5.24E-06
4,220	7.74E-07	6.59E-06	1.32E-05	6.92E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.80E-06	3.18E-07	2.74E-06	5.42E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.36E-06	6.75E-06	3.12E-07	2.68E-06	5.24E-06
4,221	7.74E-07	6.59E-06	1.31E-05	6.92E-07	5.81E-06	1.14E-05	2.86E-07	2.42E-06	4.79E-06	3.18E-07	2.73E-06	5.42E-06	3.76E-07	3.16E-06	6.33E-06	4.02E-07	3.35E-06	6.74E-06	3.12E-07	2.68E-06	5.24E-06
4,222	7.74E-07	6.59E-06	1.31E-05	6.92E-07	5.80E-06	1.14E-05	2.86E-07	2.42E-06	4.79E-06	3.18E-07	2.73E-06	5.42E-06	3.75E-07	3.16E-06	6.33E-06	4.02E-07	3.35E-06	6.74E-06	3.11E-07	2.67E-06	5.23E-06
4,223	7.74E-07	6.59E-06	1.31E-05	6.91E-07	5.80E-06	1.14E-05	2.86E-07	2.42E-06	4.79E-06	3.18E-07	2.73E-06	5.42E-06	3.75E-07	3.16E-06	6.33E-06	4.02E-07	3.35E-06	6.74E-06	3.11E-07	2.67E-06	5.23E-06
4,224	7.74E-07	6.59E-06	1.31E-05	6.91E-07	5.80E-06	1.13E-05	2.86E-07	2.42E-06	4.79E-06	3.18E-07	2.73E-06	5.42E-06	3.75E-07	3.16E-06	6.33E-06	4.01E-07	3.35E-06	6.73E-06	3.11E-07	2.67E-06	5.23E-06
4,225	7.74E-07	6.58E-06	1.31E-05	6.91E-07	5.80E-06	1.13E-05	2.86E-07	2.41E-06	4.79E-06	3.18E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.35E-06	6.73E-06	3.11E-07	2.67E-06	5.23E-06
4,226	7.74E-07	6.58E-06	1.31E-05	6.91E-07	5.80E-06	1.13E-05	2.85E-07	2.41E-06	4.79E-06	3.18E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.35E-06	6.73E-06	3.11E-07	2.67E-06	5.23E-06
4,227	7.73E-07	6.58E-06	1.31E-05	6.90E-07	5.80E-06	1.13E-05	2.85E-07	2.41E-06	4.79E-06	3.17E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.35E-06	6.73E-06	3.11E-07	2.67E-06	5.23E-06
4,228	7.73E-07	6.58E-06	1.31E-05	6.90E-07	5.79E-06	1.13E-05	2.85E-07	2.41E-06	4.79E-06	3.17E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.35E-06	6.73E-06	3.11E-07	2.67E-06	5.22E-06
4,229	7.73E-07	6.57E-06	1.31E-05	6.90E-07	5.79E-06	1.13E-05	2.85E-07	2.41E-06	4.78E-06	3.17E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.35E-06	6.72E-06	3.11E-07	2.67E-06	5.22E-06
4,230	7.73E-07	6.57E-06	1.31E-05	6.89E-07	5.79E-06	1.13E-05	2.85E-07	2.41E-06	4.78E-06	3.17E-07	2.73E-06	5.41E-06	3.75E-07	3.16E-06	6.32E-06	4.01E-07	3.34E-06	6.72E-06	3.10E-07	2.67E-06	5.22E-06
4,231	7.73E-07	6.57E-06	1.31E-05	6.89E-07	5.79E-06	1.13E-05	2.85E-07	2.41E-06	4.78E-06	3.16E-07	2.73E-06	5.40E-06	3.75E-07	3.15E-06	6.31E-06	4.01E-07	3.34E-06	6.72E-06	3.10E-07	2.67E-06	5.22E-06
4,232	7.72E-07	6.57E-06	1.31E-05	6.89E-07	5.78E-06	1.13E-05	2.85E-07	2.41E-06	4.78E-06	3.16E-07	2.73E-06	5.40E-06	3.75E-07	3.15E-06	6.31E-06	4.01E-07	3.34E-06	6.72E-06	3.10E-07	2.67E-06	5.22E-06
4,233	7.72E-07	6.57E-06	1.31E-05	6.89E-07	5.78E-06	1.13E-05	2.85E-07	2.41E-06	4.77E-06	3.16E-07	2.73E-06	5.40E-06	3.75E-07	3.15E-06	6.31E-06	4.00E-07	3.34E-06	6.72E-06	3.10E-07	2.67E-06	5.22E-06
4,234	7.72E-07	6.56E-06	1.31E-05	6.89E-07	5.78E-06	1.13E-05	2.85E-07	2.41E-06	4.77E-06	3.16E-07	2.72E-06	5.40E-06	3.75E-07	3.15E-06	6.31E-06	4.00E-07	3.34E-06	6.72E-06	3.10E-07	2.67E-06	5.21E-06
4,235	7.72E-07	6.56E-06	1.31E-05	6.89E-07	5.78E-06	1.13E-05	2.85E-07	2.41E-06	4.77E-06	3.16E-07	2.72E-06	5.39E-06	3.74E-07	3.15E-06	6.31E-06	4.00E-07	3.34E-06	6.71E-06	3.10E-07	2.67E-06	5.21E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,256	7.65E-07	6.50E-06	1.30E-05	6.84E-07	5.73E-06	1.13E-05	2.83E-07	2.39E-06	4.74E-06	3.14E-07	2.71E-06	5.36E-06	3.72E-07	3.13E-06	6.28E-06	3.98E-07	3.32E-06	6.67E-06	3.09E-07	2.65E-06	5.19E-06
4,257	7.65E-07	6.50E-06	1.30E-05	6.84E-07	5.72E-06	1.13E-05	2.83E-07	2.39E-06	4.74E-06	3.14E-07	2.70E-06	5.36E-06	3.72E-07	3.13E-06	6.28E-06	3.98E-07	3.32E-06	6.67E-06	3.09E-07	2.65E-06	5.19E-06
4,258	7.64E-07	6.50E-06	1.30E-05	6.84E-07	5.72E-06	1.13E-05	2.82E-07	2.39E-06	4.74E-06	3.14E-07	2.70E-06	5.36E-06	3.72E-07	3.13E-06	6.27E-06	3.98E-07	3.32E-06	6.67E-06	3.09E-07	2.65E-06	5.19E-06
4,259	7.64E-07	6.50E-06	1.30E-05	6.83E-07	5.72E-06	1.12E-05	2.82E-07	2.39E-06	4.74E-06	3.14E-07	2.70E-06	5.36E-06	3.72E-07	3.13E-06	6.27E-06	3.98E-07	3.32E-06	6.66E-06	3.09E-07	2.65E-06	5.19E-06
4,260	7.64E-07	6.50E-06	1.30E-05	6.83E-07	5.72E-06	1.12E-05	2.82E-07	2.39E-06	4.74E-06	3.14E-07	2.70E-06	5.35E-06	3.72E-07	3.13E-06	6.27E-06	3.98E-07	3.32E-06	6.66E-06	3.08E-07	2.65E-06	5.18E-06
4,261	7.63E-07	6.49E-06	1.30E-05	6.82E-07	5.72E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.72E-07	3.13E-06	6.27E-06	3.98E-07	3.31E-06	6.66E-06	3.08E-07	2.65E-06	5.18E-06
4,262	7.63E-07	6.48E-06	1.30E-05	6.82E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.71E-07	3.13E-06	6.27E-06	3.98E-07	3.31E-06	6.66E-06	3.08E-07	2.65E-06	5.17E-06
4,263	7.63E-07	6.48E-06	1.30E-05	6.82E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.71E-07	3.12E-06	6.27E-06	3.98E-07	3.31E-06	6.65E-06	3.08E-07	2.64E-06	5.17E-06
4,264	7.63E-07	6.48E-06	1.30E-05	6.81E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.71E-07	3.12E-06	6.26E-06	3.98E-07	3.31E-06	6.65E-06	3.08E-07	2.64E-06	5.17E-06
4,265	7.63E-07	6.48E-06	1.30E-05	6.81E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.71E-07	3.12E-06	6.26E-06	3.97E-07	3.31E-06	6.65E-06	3.08E-07	2.64E-06	5.17E-06
4,266	7.63E-07	6.48E-06	1.30E-05	6.80E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.70E-06	5.35E-06	3.71E-07	3.12E-06	6.26E-06	3.97E-07	3.31E-06	6.64E-06	3.08E-07	2.64E-06	5.17E-06
4,267	7.62E-07	6.48E-06	1.30E-05	6.80E-07	5.71E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.69E-06	5.35E-06	3.71E-07	3.12E-06	6.25E-06	3.97E-07	3.31E-06	6.64E-06	3.08E-07	2.64E-06	5.17E-06
4,268	7.62E-07	6.47E-06	1.30E-05	6.80E-07	5.70E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.69E-06	5.34E-06	3.71E-07	3.12E-06	6.25E-06	3.97E-07	3.31E-06	6.63E-06	3.08E-07	2.64E-06	5.17E-06
4,269	7.61E-07	6.47E-06	1.30E-05	6.80E-07	5.70E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.14E-07	2.69E-06	5.34E-06	3.71E-07	3.11E-06	6.25E-06	3.97E-07	3.31E-06	6.63E-06	3.07E-07	2.64E-06	5.17E-06
4,270	7.61E-07	6.47E-06	1.30E-05	6.79E-07	5.70E-06	1.12E-05	2.82E-07	2.38E-06	4.73E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.11E-06	6.24E-06	3.97E-07	3.31E-06	6.63E-06	3.07E-07	2.64E-06	5.16E-06
4,271	7.61E-07	6.47E-06	1.29E-05	6.79E-07	5.69E-06	1.12E-05	2.81E-07	2.38E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.11E-06	6.24E-06	3.97E-07	3.31E-06	6.63E-06	3.07E-07	2.64E-06	5.16E-06
4,272	7.60E-07	6.47E-06	1.29E-05	6.79E-07	5.69E-06	1.12E-05	2.81E-07	2.38E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.11E-06	6.24E-06	3.97E-07	3.31E-06	6.63E-06	3.07E-07	2.64E-06	5.16E-06
4,273	7.60E-07	6.46E-06	1.29E-05	6.79E-07	5.69E-06	1.12E-05	2.81E-07	2.37E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.10E-06	6.24E-06	3.97E-07	3.31E-06	6.63E-06	3.07E-07	2.63E-06	5.16E-06
4,274	7.60E-07	6.46E-06	1.29E-05	6.78E-07	5.69E-06	1.12E-05	2.81E-07	2.37E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.10E-06	6.24E-06	3.97E-07	3.30E-06	6.63E-06	3.07E-07	2.63E-06	5.16E-06
4,275	7.60E-07	6.46E-06	1.29E-05	6.78E-07	5.69E-06	1.12E-05	2.81E-07	2.37E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.07E-07	2.63E-06	5.16E-06
4,276	7.59E-07	6.46E-06	1.29E-05	6.78E-07	5.69E-06	1.12E-05	2.81E-07	2.37E-06	4.72E-06	3.13E-07	2.69E-06	5.34E-06	3.70E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.16E-06
4,277	7.59E-07	6.46E-06	1.29E-05	6.78E-07	5.68E-06	1.12E-05	2.81E-07	2.37E-06	4.72E-06	3.13E-07	2.69E-06	5.33E-06	3.70E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.16E-06
4,278	7.59E-07	6.46E-06	1.29E-05	6.77E-07	5.68E-06	1.12E-05	2.81E-07	2.36E-06	4.72E-06	3.13E-07	2.69E-06	5.33E-06	3.69E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.16E-06
4,279	7.58E-07	6.45E-06	1.29E-05	6.77E-07	5.68E-06	1.12E-05	2.81E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.15E-06
4,280	7.58E-07	6.45E-06	1.29E-05	6.76E-07	5.68E-06	1.12E-05	2.81E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.15E-06
4,281	7.58E-07	6.45E-06	1.29E-05	6.76E-07	5.68E-06	1.12E-05	2.81E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.15E-06
4,282	7.58E-07	6.45E-06	1.29E-05	6.76E-07	5.68E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.23E-06	3.96E-07	3.30E-06	6.62E-06	3.06E-07	2.63E-06	5.15E-06
4,283	7.57E-07	6.44E-06	1.29E-05	6.76E-07	5.67E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.22E-06	3.95E-07	3.30E-06	6.61E-06	3.06E-07	2.63E-06	5.15E-06
4,284	7.57E-07	6.44E-06	1.29E-05	6.76E-07	5.67E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.10E-06	6.22E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.15E-06
4,285	7.57E-07	6.44E-06	1.29E-05	6.76E-07	5.67E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.13E-07	2.68E-06	5.33E-06	3.69E-07	3.09E-06	6.22E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.15E-06
4,286	7.57E-07	6.44E-06	1.29E-05	6.76E-07	5.67E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.12E-07	2.68E-06	5.33E-06	3.69E-07	3.09E-06	6.22E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.15E-06
4,287	7.57E-07	6.43E-06	1.29E-05	6.76E-07	5.66E-06	1.12E-05	2.80E-07	2.36E-06	4.71E-06	3.12E-07	2.68E-06	5.32E-06	3.69E-07	3.09E-06	6.22E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.15E-06
4,288	7.57E-07	6.43E-06	1.29E-05	6.76E-07	5.66E-06	1.11E-05	2.80E-07	2.36E-06	4.70E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.22E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.15E-06
4,289	7.57E-07	6.43E-06	1.29E-05	6.76E-07	5.66E-06	1.11E-05	2.80E-07	2.36E-06	4.70E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.21E-06	3.95E-07	3.29E-06	6.61E-06	3.06E-07	2.62E-06	5.14E-06
4,290	7.56E-07	6.43E-06	1.29E-05	6.76E-07	5.66E-06	1.11E-05	2.80E-07	2.36E-06	4.70E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.21E-06	3.94E-07	3.29E-06	6.60E-06	3.06E-07	2.62E-06	5.14E-06
4,291	7.56E-07	6.43E-06	1.29E-05	6.76E-07	5.66E-06	1.11E-05	2.80E-07	2.35E-06	4.70E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.21E-06	3.94E-07	3.29E-06	6.60E-06	3.05E-07	2.62E-06	5.14E-06
4,292	7.56E-07	6.42E-06	1.29E-05	6.75E-07	5.66E-06	1.11E-05	2.80E-07	2.35E-06	4.70E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.21E-06	3.94E-07	3.29E-06	6.60E-06	3.05E-07	2.62E-06	5.14E-06
4,293	7.56E-07	6.42E-06	1.29E-05	6.75E-07	5.66E-06	1.11E-05	2.80E-07	2.35E-06	4.69E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.20E-06	3.94E-07	3.29E-06	6.60E-06	3.05E-07	2.62E-06	5.14E-06
4,294	7.56E-07	6.42E-06	1.29E-05	6.75E-07	5.65E-06	1.11E-05	2.80E-07	2.35E-06	4.69E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.20E-06	3.94E-07	3.29E-06	6.60E-06	3.05E-07	2.62E-06	5.14E-06
4,295	7.55E-07	6.42E-06	1.29E-05	6.75E-07	5.65E-06	1.11E-05	2.80E-07	2.35E-06	4.69E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.20E-06	3.94E-07	3.29E-06	6.60E-06	3.05E-07	2.62E-06	5.14E-06
4,296	7.55E-07	6.41E-06	1.29E-05	6.74E-07	5.65E-06	1.11E-05	2.79E-07	2.35E-06	4.69E-06	3.12E-07	2.67E-06	5.32E-06	3.68E-07	3.09E-06	6.20E-06	3.94E-07	3.28E-06	6.59E-06	3.05E-07	2.61E-06	5.14E-06
4,297	7.55E-07	6.41E-06	1.29E-05	6.74E-07	5.65E-06	1.11E-05	2.79E-07	2.35E-06	4.69E-06	3.12E-07	2.67E-06	5.31E-06	3.68E-07	3.09E-06	6.20E-06	3.94E-07	3.28E-06	6.59E-06	3.05E-07	2.61E-06	5.13E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,380	7.37E-07	6.23E-06	1.25E-05	6.55E-07	5.50E-06	1.09E-05	2.73E-07	2.30E-06	4.58E-06	3.04E-07	2.61E-06	5.19E-06	3.58E-07	3.02E-06	6.04E-06	3.84E-07	3.19E-06	6.46E-06	2.97E-07	2.54E-06	5.03E-06
4,381	7.36E-07	6.22E-06	1.25E-05	6.54E-07	5.50E-06	1.09E-05	2.73E-07	2.30E-06	4.58E-06	3.04E-07	2.61E-06	5.19E-06	3.58E-07	3.01E-06	6.04E-06	3.84E-07	3.19E-06	6.46E-06	2.97E-07	2.54E-06	5.03E-06
4,382	7.36E-07	6.22E-06	1.25E-05	6.54E-07	5.50E-06	1.08E-05	2.73E-07	2.30E-06	4.58E-06	3.03E-07	2.61E-06	5.19E-06	3.58E-07	3.01E-06	6.04E-06	3.84E-07	3.19E-06	6.46E-06	2.97E-07	2.54E-06	5.03E-06
4,383	7.36E-07	6.22E-06	1.25E-05	6.54E-07	5.50E-06	1.08E-05	2.73E-07	2.29E-06	4.57E-06	3.03E-07	2.61E-06	5.19E-06	3.58E-07	3.01E-06	6.04E-06	3.84E-07	3.19E-06	6.46E-06	2.97E-07	2.54E-06	5.03E-06
4,384	7.36E-07	6.22E-06	1.25E-05	6.54E-07	5.50E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.61E-06	5.19E-06	3.58E-07	3.01E-06	6.04E-06	3.84E-07	3.19E-06	6.46E-06	2.96E-07	2.54E-06	5.03E-06
4,385	7.36E-07	6.22E-06	1.25E-05	6.53E-07	5.49E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.61E-06	5.19E-06	3.58E-07	3.01E-06	6.03E-06	3.84E-07	3.19E-06	6.45E-06	2.96E-07	2.54E-06	5.03E-06
4,386	7.36E-07	6.22E-06	1.25E-05	6.53E-07	5.49E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.61E-06	5.19E-06	3.57E-07	3.01E-06	6.03E-06	3.84E-07	3.19E-06	6.45E-06	2.96E-07	2.54E-06	5.03E-06
4,387	7.36E-07	6.22E-06	1.25E-05	6.53E-07	5.49E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.01E-06	6.03E-06	3.84E-07	3.19E-06	6.45E-06	2.96E-07	2.54E-06	5.02E-06
4,388	7.35E-07	6.22E-06	1.25E-05	6.53E-07	5.48E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.19E-06	6.45E-06	2.96E-07	2.53E-06	5.02E-06
4,389	7.35E-07	6.22E-06	1.25E-05	6.52E-07	5.48E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.19E-06	6.45E-06	2.96E-07	2.53E-06	5.02E-06
4,390	7.35E-07	6.21E-06	1.25E-05	6.52E-07	5.47E-06	1.08E-05	2.72E-07	2.29E-06	4.57E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.45E-06	2.96E-07	2.53E-06	5.01E-06
4,391	7.35E-07	6.21E-06	1.25E-05	6.52E-07	5.47E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.45E-06	2.96E-07	2.53E-06	5.01E-06
4,392	7.35E-07	6.21E-06	1.25E-05	6.52E-07	5.47E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.03E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.44E-06	2.96E-07	2.53E-06	5.01E-06
4,393	7.33E-07	6.21E-06	1.25E-05	6.51E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.18E-06	3.57E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.44E-06	2.96E-07	2.53E-06	5.01E-06
4,394	7.33E-07	6.21E-06	1.25E-05	6.51E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.18E-06	3.56E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.44E-06	2.96E-07	2.53E-06	5.00E-06
4,395	7.33E-07	6.20E-06	1.25E-05	6.51E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.18E-06	3.56E-07	3.00E-06	6.02E-06	3.83E-07	3.18E-06	6.44E-06	2.95E-07	2.53E-06	5.00E-06
4,396	7.32E-07	6.20E-06	1.25E-05	6.50E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.18E-06	3.56E-07	3.00E-06	6.02E-06	3.83E-07	3.17E-06	6.44E-06	2.95E-07	2.53E-06	5.00E-06
4,397	7.32E-07	6.20E-06	1.25E-05	6.50E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.18E-06	3.56E-07	3.00E-06	6.02E-06	3.83E-07	3.17E-06	6.44E-06	2.95E-07	2.53E-06	4.99E-06
4,398	7.31E-07	6.19E-06	1.25E-05	6.50E-07	5.46E-06	1.08E-05	2.72E-07	2.29E-06	4.56E-06	3.02E-07	2.60E-06	5.17E-06	3.56E-07	3.00E-06	6.01E-06	3.83E-07	3.17E-06	6.43E-06	2.95E-07	2.53E-06	4.99E-06
4,399	7.31E-07	6.19E-06	1.25E-05	6.50E-07	5.46E-06	1.08E-05	2.72E-07	2.28E-06	4.56E-06	3.02E-07	2.60E-06	5.17E-06	3.56E-07	3.00E-06	6.01E-06	3.82E-07	3.17E-06	6.43E-06	2.95E-07	2.52E-06	4.99E-06
4,400	7.31E-07	6.19E-06	1.25E-05	6.50E-07	5.46E-06	1.08E-05	2.72E-07	2.28E-06	4.56E-06	3.02E-07	2.60E-06	5.17E-06	3.56E-07	3.00E-06	6.01E-06	3.82E-07	3.17E-06	6.42E-06	2.95E-07	2.52E-06	4.99E-06
4,401	7.31E-07	6.19E-06	1.25E-05	6.49E-07	5.45E-06	1.08E-05	2.72E-07	2.28E-06	4.55E-06	3.02E-07	2.60E-06	5.17E-06	3.56E-07	3.00E-06	6.01E-06	3.82E-07	3.17E-06	6.42E-06	2.95E-07	2.52E-06	4.99E-06
4,402	7.31E-07	6.19E-06	1.25E-05	6.48E-07	5.45E-06	1.08E-05	2.72E-07	2.28E-06	4.55E-06	3.02E-07	2.60E-06	5.17E-06	3.55E-07	3.00E-06	6.01E-06	3.82E-07	3.17E-06	6.42E-06	2.95E-07	2.52E-06	4.99E-06
4,403	7.31E-07	6.18E-06	1.24E-05	6.48E-07	5.44E-06	1.08E-05	2.72E-07	2.28E-06	4.55E-06	3.02E-07	2.60E-06	5.17E-06	3.55E-07	3.00E-06	6.01E-06	3.82E-07	3.17E-06	6.41E-06	2.95E-07	2.52E-06	4.99E-06
4,404	7.30E-07	6.17E-06	1.24E-05	6.47E-07	5.44E-06	1.08E-05	2.72E-07	2.28E-06	4.55E-06	3.02E-07	2.60E-06	5.16E-06	3.55E-07	3.00E-06	6.01E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.99E-06
4,405	7.30E-07	6.17E-06	1.24E-05	6.47E-07	5.44E-06	1.07E-05	2.72E-07	2.28E-06	4.55E-06	3.01E-07	2.59E-06	5.16E-06	3.55E-07	2.99E-06	6.01E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.99E-06
4,406	7.30E-07	6.17E-06	1.24E-05	6.47E-07	5.44E-06	1.07E-05	2.71E-07	2.28E-06	4.55E-06	3.01E-07	2.59E-06	5.16E-06	3.55E-07	2.99E-06	6.01E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.98E-06
4,407	7.30E-07	6.16E-06	1.24E-05	6.47E-07	5.44E-06	1.07E-05	2.71E-07	2.28E-06	4.55E-06	3.01E-07	2.59E-06	5.16E-06	3.55E-07	2.99E-06	6.01E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.98E-06
4,408	7.30E-07	6.16E-06	1.24E-05	6.47E-07	5.44E-06	1.07E-05	2.71E-07	2.28E-06	4.55E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.01E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.98E-06
4,409	7.30E-07	6.16E-06	1.24E-05	6.46E-07	5.44E-06	1.07E-05	2.71E-07	2.28E-06	4.55E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.81E-07	3.16E-06	6.41E-06	2.94E-07	2.52E-06	4.98E-06
4,410	7.30E-07	6.16E-06	1.24E-05	6.46E-07	5.44E-06	1.07E-05	2.71E-07	2.28E-06	4.54E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.81E-07	3.16E-06	6.40E-06	2.94E-07	2.52E-06	4.97E-06
4,411	7.29E-07	6.16E-06	1.24E-05	6.46E-07	5.43E-06	1.07E-05	2.71E-07	2.28E-06	4.54E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.81E-07	3.16E-06	6.40E-06	2.94E-07	2.52E-06	4.97E-06
4,412	7.29E-07	6.15E-06	1.24E-05	6.46E-07	5.43E-06	1.07E-05	2.71E-07	2.28E-06	4.54E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.80E-07	3.16E-06	6.40E-06	2.94E-07	2.52E-06	4.97E-06
4,413	7.29E-07	6.15E-06	1.24E-05	6.46E-07	5.43E-06	1.07E-05	2.71E-07	2.28E-06	4.54E-06	3.01E-07	2.59E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.80E-07	3.16E-06	6.39E-06	2.94E-07	2.52E-06	4.97E-06
4,414	7.29E-07	6.15E-06	1.24E-05	6.46E-07	5.43E-06	1.07E-05	2.71E-07	2.28E-06	4.54E-06	3.01E-07	2.58E-06	5.15E-06	3.54E-07	2.99E-06	6.00E-06	3.80E-07	3.16E-06	6.39E-06	2.93E-07	2.52E-06	4.96E-06
4,415	7.29E-07	6.15E-06	1.24E-05	6.46E-07	5.43E-06	1.07E-05	2.71E-07	2.27E-06	4.54E-06	3.01E-07	2.58E-06	5.15E-06	3.53E-07	2.98E-06	6.00E-06	3.80E-07	3.16E-06	6.39E-06	2.93E-07	2.52E-06	4.96E-06
4,416	7.29E-07	6.15E-06	1.24E-05	6.45E-07	5.43E-06	1.07E-05	2.71E-07	2.27E-06	4.54E-06	3.00E-07	2.58E-06	5.14E-06	3.53E-07	2.98E-06	5.99E-06	3.80E-07	3.15E-06	6.39E-06	2.93E-07	2.52E-06	4.95E-06
4,417	7.28E-07	6.15E-06	1.24E-05	6.45E-07	5.43E-06	1.07E-05	2.71E-07	2.27E-06	4.54E-06	3.00E-07	2.58E-06	5.14E-06	3.53E-07	2.98E-06	5.99E-06	3.80E-07	3.15E-06	6.39E-06	2.93E-07	2.52E-06	4.95E-06
4,418	7.28E-07	6.15E-06	1.24E-05	6.45E-07	5.43E-06	1.07E-05	2.71E-07	2.27E-06	4.54E-06	3.00E-07	2.58E-06	5.14E-06	3.53E-07	2.98E-06	5.99E-06	3.80E-07	3.15E-06	6.39E-06	2.93E-07	2.52E-06	4.95E-06
4,419	7.27E-07	6.14E-06	1.24E-05	6.45E-07	5.43E-06	1.07E-05	2.70E-07	2.27E-06	4.53E-06	3.00E-07	2.57E-06	5.14E-06	3.53E-07	2.98E-06	5.99E-06	3.80E-07	3.15E-06	6.38E-06	2.93E-07	2.52E-06	4.95E-06
4,420	7.27E-07	6.14E-06	1.24E-05	6.44E-07	5.43E-06	1.07E-05	2.70E-07	2.27E-06	4.53E-06	3.00E-07	2.57E-06	5.14E-06	3.53E-07	2.98E-06	5.99E-06	3.80E-07	3.15E-06	6.38E-06	2.93E-07	2.52E-06	4.95E-06
4,421	7.27E-07	6.14E-06	1.24E-05	6.44E-07	5.42E-06	1.07E-05	2.70E-07	2.27E-06	4.53E-06	3.00E-07	2.57E-06	5.14E-06	3.53E-07	2.98E-06	5.98E-06	3.80E-07	3.15E-06	6.38E-06	2.93E-07	2.51E-06	4.95E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,442	7.23E-07	6.11E-06	1.23E-05	6.41E-07	5.39E-06	1.06E-05	2.69E-07	2.26E-06	4.49E-06	2.99E-07	2.56E-06	5.11E-06	3.51E-07	2.95E-06	5.94E-06	3.78E-07	3.13E-06	6.35E-06	2.91E-07	2.50E-06	4.92E-06
4,443	7.22E-07	6.11E-06	1.23E-05	6.40E-07	5.39E-06	1.06E-05	2.69E-07	2.26E-06	4.49E-06	2.98E-07	2.56E-06	5.11E-06	3.51E-07	2.95E-06	5.94E-06	3.78E-07	3.12E-06	6.34E-06	2.91E-07	2.50E-06	4.92E-06
4,444	7.22E-07	6.11E-06	1.23E-05	6.40E-07	5.39E-06	1.06E-05	2.69E-07	2.26E-06	4.49E-06	2.98E-07	2.56E-06	5.11E-06	3.51E-07	2.95E-06	5.94E-06	3.78E-07	3.12E-06	6.34E-06	2.91E-07	2.50E-06	4.92E-06
4,445	7.22E-07	6.11E-06	1.23E-05	6.40E-07	5.39E-06	1.06E-05	2.68E-07	2.26E-06	4.49E-06	2.98E-07	2.56E-06	5.11E-06	3.51E-07	2.95E-06	5.93E-06	3.78E-07	3.12E-06	6.34E-06	2.91E-07	2.50E-06	4.91E-06
4,446	7.21E-07	6.10E-06	1.23E-05	6.40E-07	5.39E-06	1.06E-05	2.68E-07	2.26E-06	4.49E-06	2.98E-07	2.55E-06	5.10E-06	3.51E-07	2.95E-06	5.93E-06	3.78E-07	3.12E-06	6.34E-06	2.91E-07	2.50E-06	4.91E-06
4,447	7.21E-07	6.10E-06	1.23E-05	6.40E-07	5.39E-06	1.06E-05	2.68E-07	2.25E-06	4.49E-06	2.98E-07	2.55E-06	5.10E-06	3.51E-07	2.95E-06	5.93E-06	3.78E-07	3.12E-06	6.33E-06	2.90E-07	2.50E-06	4.91E-06
4,448	7.21E-07	6.10E-06	1.23E-05	6.39E-07	5.38E-06	1.06E-05	2.68E-07	2.25E-06	4.49E-06	2.98E-07	2.55E-06	5.10E-06	3.51E-07	2.95E-06	5.93E-06	3.78E-07	3.12E-06	6.33E-06	2.90E-07	2.50E-06	4.91E-06
4,449	7.20E-07	6.10E-06	1.22E-05	6.39E-07	5.38E-06	1.06E-05	2.68E-07	2.25E-06	4.49E-06	2.98E-07	2.55E-06	5.10E-06	3.51E-07	2.95E-06	5.93E-06	3.77E-07	3.11E-06	6.33E-06	2.90E-07	2.50E-06	4.90E-06
4,450	7.20E-07	6.10E-06	1.22E-05	6.39E-07	5.38E-06	1.06E-05	2.68E-07	2.25E-06	4.49E-06	2.98E-07	2.55E-06	5.10E-06	3.50E-07	2.95E-06	5.93E-06	3.77E-07	3.11E-06	6.33E-06	2.90E-07	2.50E-06	4.90E-06
4,451	7.20E-07	6.10E-06	1.22E-05	6.39E-07	5.38E-06	1.06E-05	2.68E-07	2.25E-06	4.48E-06	2.98E-07	2.55E-06	5.10E-06	3.50E-07	2.94E-06	5.93E-06	3.77E-07	3.11E-06	6.33E-06	2.90E-07	2.50E-06	4.90E-06
4,452	7.20E-07	6.09E-06	1.22E-05	6.39E-07	5.38E-06	1.06E-05	2.68E-07	2.25E-06	4.48E-06	2.98E-07	2.55E-06	5.09E-06	3.50E-07	2.94E-06	5.92E-06	3.77E-07	3.11E-06	6.33E-06	2.90E-07	2.49E-06	4.90E-06
4,453	7.19E-07	6.08E-06	1.22E-05	6.39E-07	5.37E-06	1.05E-05	2.68E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.09E-06	3.50E-07	2.94E-06	5.92E-06	3.77E-07	3.11E-06	6.32E-06	2.90E-07	2.49E-06	4.90E-06
4,454	7.19E-07	6.08E-06	1.22E-05	6.39E-07	5.37E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.09E-06	3.50E-07	2.94E-06	5.92E-06	3.77E-07	3.11E-06	6.32E-06	2.90E-07	2.49E-06	4.90E-06
4,455	7.19E-07	6.08E-06	1.22E-05	6.38E-07	5.37E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.09E-06	3.49E-07	2.94E-06	5.92E-06	3.77E-07	3.11E-06	6.32E-06	2.90E-07	2.49E-06	4.90E-06
4,456	7.18E-07	6.08E-06	1.22E-05	6.38E-07	5.37E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.09E-06	3.49E-07	2.94E-06	5.92E-06	3.76E-07	3.11E-06	6.31E-06	2.90E-07	2.49E-06	4.90E-06
4,457	7.18E-07	6.08E-06	1.22E-05	6.38E-07	5.36E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.09E-06	3.49E-07	2.94E-06	5.92E-06	3.76E-07	3.11E-06	6.31E-06	2.90E-07	2.49E-06	4.90E-06
4,458	7.18E-07	6.08E-06	1.22E-05	6.38E-07	5.36E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.08E-06	3.49E-07	2.94E-06	5.91E-06	3.76E-07	3.11E-06	6.31E-06	2.90E-07	2.49E-06	4.90E-06
4,459	7.17E-07	6.08E-06	1.22E-05	6.38E-07	5.36E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.55E-06	5.08E-06	3.49E-07	2.94E-06	5.91E-06	3.76E-07	3.11E-06	6.31E-06	2.90E-07	2.49E-06	4.90E-06
4,460	7.16E-07	6.07E-06	1.22E-05	6.37E-07	5.36E-06	1.05E-05	2.67E-07	2.25E-06	4.48E-06	2.97E-07	2.54E-06	5.08E-06	3.48E-07	2.94E-06	5.91E-06	3.76E-07	3.11E-06	6.31E-06	2.90E-07	2.48E-06	4.90E-06
4,461	7.16E-07	6.07E-06	1.22E-05	6.37E-07	5.36E-06	1.05E-05	2.67E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.08E-06	3.48E-07	2.94E-06	5.91E-06	3.76E-07	3.10E-06	6.31E-06	2.90E-07	2.48E-06	4.90E-06
4,462	7.16E-07	6.07E-06	1.22E-05	6.37E-07	5.35E-06	1.05E-05	2.67E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.08E-06	3.48E-07	2.94E-06	5.91E-06	3.76E-07	3.10E-06	6.31E-06	2.90E-07	2.48E-06	4.89E-06
4,463	7.16E-07	6.07E-06	1.22E-05	6.37E-07	5.35E-06	1.05E-05	2.67E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.07E-06	3.48E-07	2.94E-06	5.91E-06	3.75E-07	3.10E-06	6.30E-06	2.89E-07	2.48E-06	4.89E-06
4,464	7.15E-07	6.07E-06	1.22E-05	6.37E-07	5.35E-06	1.05E-05	2.67E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.07E-06	3.48E-07	2.94E-06	5.90E-06	3.75E-07	3.10E-06	6.30E-06	2.89E-07	2.48E-06	4.89E-06
4,465	7.15E-07	6.07E-06	1.22E-05	6.36E-07	5.35E-06	1.05E-05	2.67E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.07E-06	3.48E-07	2.94E-06	5.90E-06	3.75E-07	3.10E-06	6.30E-06	2.89E-07	2.48E-06	4.89E-06
4,466	7.15E-07	6.07E-06	1.22E-05	6.36E-07	5.34E-06	1.05E-05	2.66E-07	2.25E-06	4.47E-06	2.97E-07	2.54E-06	5.07E-06	3.48E-07	2.94E-06	5.90E-06	3.75E-07	3.10E-06	6.30E-06	2.89E-07	2.48E-06	4.89E-06
4,467	7.15E-07	6.07E-06	1.22E-05	6.36E-07	5.34E-06	1.05E-05	2.66E-07	2.24E-06	4.47E-06	2.97E-07	2.54E-06	5.07E-06	3.47E-07	2.93E-06	5.90E-06	3.75E-07	3.10E-06	6.29E-06	2.89E-07	2.48E-06	4.89E-06
4,468	7.15E-07	6.07E-06	1.22E-05	6.36E-07	5.34E-06	1.05E-05	2.66E-07	2.24E-06	4.47E-06	2.96E-07	2.54E-06	5.07E-06	3.47E-07	2.93E-06	5.90E-06	3.75E-07	3.10E-06	6.29E-06	2.89E-07	2.48E-06	4.89E-06
4,469	7.14E-07	6.07E-06	1.22E-05	6.35E-07	5.34E-06	1.05E-05	2.66E-07	2.24E-06	4.47E-06	2.96E-07	2.54E-06	5.07E-06	3.47E-07	2.93E-06	5.89E-06	3.75E-07	3.09E-06	6.29E-06	2.89E-07	2.48E-06	4.88E-06
4,470	7.14E-07	6.06E-06	1.22E-05	6.35E-07	5.34E-06	1.05E-05	2.66E-07	2.24E-06	4.46E-06	2.96E-07	2.54E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.75E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,471	7.14E-07	6.06E-06	1.22E-05	6.35E-07	5.34E-06	1.05E-05	2.66E-07	2.24E-06	4.46E-06	2.96E-07	2.54E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.75E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,472	7.14E-07	6.06E-06	1.22E-05	6.35E-07	5.33E-06	1.05E-05	2.66E-07	2.24E-06	4.46E-06	2.96E-07	2.54E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.75E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,473	7.14E-07	6.06E-06	1.22E-05	6.35E-07	5.33E-06	1.05E-05	2.66E-07	2.24E-06	4.46E-06	2.96E-07	2.54E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.75E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,474	7.13E-07	6.05E-06	1.22E-05	6.35E-07	5.33E-06	1.05E-05	2.66E-07	2.24E-06	4.46E-06	2.96E-07	2.53E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.74E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,475	7.13E-07	6.05E-06	1.21E-05	6.35E-07	5.33E-06	1.05E-05	2.66E-07	2.24E-06	4.45E-06	2.96E-07	2.53E-06	5.06E-06	3.47E-07	2.93E-06	5.89E-06	3.74E-07	3.09E-06	6.29E-06	2.89E-07	2.47E-06	4.88E-06
4,476	7.12E-07	6.05E-06	1.21E-05	6.35E-07	5.33E-06	1.05E-05	2.65E-07	2.24E-06	4.45E-06	2.95E-07	2.53E-06	5.06E-06	3.46E-07	2.93E-06	5.88E-06	3.74E-07	3.09E-06	6.28E-06	2.89E-07	2.47E-06	4.88E-06
4,477	7.12E-07	6.05E-06	1.21E-05	6.35E-07	5.33E-06	1.05E-05	2.65E-07	2.24E-06	4.45E-06	2.95E-07	2.53E-06	5.06E-06	3.46E-07	2.93E-06	5.88E-06	3.74E-07	3.08E-06	6.28E-06	2.88E-07	2.47E-06	4.88E-06
4,478	7.12E-07	6.05E-06	1.21E-05	6.35E-07	5.33E-06	1.05E-05	2.65E-07	2.24E-06	4.45E-06	2.95E-07	2.53E-06	5.06E-06	3.46E-07	2.93E-06	5.88E-06	3.74E-07	3.08E-06	6.28E-06	2.88E-07	2.47E-06	4.88E-06
4,479	7.12E-07	6.05E-06	1.21E-05	6.34E-07	5.33E-06	1.05E-05	2.65E-07	2.24E-06	4.45E-06	2.95E-07	2.53E-06	5.06E-06	3.46E-07	2.93E-06	5.88E-06	3.74E-07	3.08E-06	6.27E-06	2.88E-07	2.47E-06	4.88E-06
4,480	7.10E-07	6.04E-06	1.21E-05	6.34E-07	5.32E-06	1.04E-05	2.65E-07	2.23E-06	4.45E-06	2.95E-07	2.53E-06	5.05E-06	3.45E-07	2.92E-06	5.88E-06	3.74E-07	3.08E-06	6.27E-06	2.88E-07	2.46E-06	4.87E-06
4,481	7.10E-07	6.04E-06	1.21E-05	6.34E-07	5.32E-06	1.04E-05	2.65E-07	2.23E-06	4.45E-06	2.95E-07	2.53E-06	5.05E-06	3.45E-07	2.92E-06	5.88E-06	3.74E-07	3.08E-06	6.26E-06	2.88E-07	2.46E-06	4.87E-06
4,482	7.10E-07	6.04E-06	1.21E-05	6.34E-07	5.32E-06	1.04E-05	2.65E-07	2.23E-06	4.45E-06	2.95E-07	2.52E-06	5.05E-06	3.45E-07	2.92E-06	5.88E-06	3.74E-07	3.08E-06	6.26E-06	2.88E-07	2.46E-06	4.87E-06
4,483	7.10E-07	6.04E-06	1.21E-05	6.34E-07	5.32E-06	1.04E-05	2.65E-07	2.23E-06	4.45E-06	2.95E-07	2.52E-06	5.05E-06	3.45E-07	2.92E-06	5.88E-06	3.74E-07	3.08E-06	6.26E-06	2.88E-07	2.46E-06	4.87E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,628	6.83E-07	5.71E-06	1.15E-05	6.03E-07	5.05E-06	9.93E-06	2.55E-07	2.14E-06	4.26E-06	2.83E-07	2.43E-06	4.84E-06	3.31E-07	2.79E-06	5.66E-06	3.56E-07	2.96E-06	6.05E-06	2.76E-07	2.37E-06	4.68E-06
4,629	6.83E-07	5.70E-06	1.15E-05	6.02E-07	5.05E-06	9.93E-06	2.55E-07	2.14E-06	4.26E-06	2.83E-07	2.43E-06	4.84E-06	3.30E-07	2.79E-06	5.66E-06	3.56E-07	2.96E-06	6.04E-06	2.76E-07	2.37E-06	4.68E-06
4,630	6.83E-07	5.70E-06	1.15E-05	6.02E-07	5.05E-06	9.93E-06	2.55E-07	2.14E-06	4.26E-06	2.83E-07	2.43E-06	4.84E-06	3.30E-07	2.79E-06	5.66E-06	3.56E-07	2.96E-06	6.04E-06	2.76E-07	2.37E-06	4.68E-06
4,631	6.83E-07	5.70E-06	1.15E-05	6.02E-07	5.04E-06	9.92E-06	2.55E-07	2.14E-06	4.26E-06	2.83E-07	2.43E-06	4.84E-06	3.30E-07	2.79E-06	5.66E-06	3.55E-07	2.96E-06	6.04E-06	2.76E-07	2.37E-06	4.68E-06
4,632	6.82E-07	5.69E-06	1.15E-05	6.02E-07	5.04E-06	9.92E-06	2.55E-07	2.14E-06	4.26E-06	2.83E-07	2.43E-06	4.83E-06	3.30E-07	2.79E-06	5.66E-06	3.55E-07	2.96E-06	6.04E-06	2.76E-07	2.37E-06	4.67E-06
4,633	6.82E-07	5.69E-06	1.15E-05	6.01E-07	5.04E-06	9.92E-06	2.54E-07	2.13E-06	4.26E-06	2.83E-07	2.43E-06	4.83E-06	3.30E-07	2.79E-06	5.65E-06	3.55E-07	2.95E-06	6.04E-06	2.76E-07	2.37E-06	4.67E-06
4,634	6.82E-07	5.69E-06	1.15E-05	6.01E-07	5.04E-06	9.92E-06	2.54E-07	2.13E-06	4.26E-06	2.83E-07	2.43E-06	4.83E-06	3.30E-07	2.79E-06	5.65E-06	3.55E-07	2.95E-06	6.04E-06	2.75E-07	2.37E-06	4.67E-06
4,635	6.82E-07	5.69E-06	1.15E-05	6.01E-07	5.04E-06	9.91E-06	2.54E-07	2.13E-06	4.26E-06	2.83E-07	2.43E-06	4.83E-06	3.30E-07	2.78E-06	5.65E-06	3.55E-07	2.95E-06	6.04E-06	2.75E-07	2.37E-06	4.67E-06
4,636	6.82E-07	5.69E-06	1.15E-05	6.01E-07	5.04E-06	9.91E-06	2.54E-07	2.13E-06	4.26E-06	2.82E-07	2.43E-06	4.83E-06	3.30E-07	2.78E-06	5.65E-06	3.55E-07	2.95E-06	6.03E-06	2.75E-07	2.37E-06	4.67E-06
4,637	6.81E-07	5.69E-06	1.15E-05	6.01E-07	5.03E-06	9.91E-06	2.54E-07	2.13E-06	4.26E-06	2.82E-07	2.43E-06	4.83E-06	3.30E-07	2.78E-06	5.65E-06	3.55E-07	2.95E-06	6.03E-06	2.75E-07	2.37E-06	4.67E-06
4,638	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.90E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.43E-06	4.82E-06	3.29E-07	2.78E-06	5.65E-06	3.55E-07	2.95E-06	6.03E-06	2.75E-07	2.37E-06	4.67E-06
4,639	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.90E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.43E-06	4.82E-06	3.29E-07	2.78E-06	5.64E-06	3.55E-07	2.95E-06	6.03E-06	2.75E-07	2.36E-06	4.67E-06
4,640	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.90E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.82E-06	3.29E-07	2.78E-06	5.64E-06	3.55E-07	2.94E-06	6.03E-06	2.75E-07	2.36E-06	4.67E-06
4,641	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.89E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.82E-06	3.29E-07	2.78E-06	5.64E-06	3.55E-07	2.94E-06	6.03E-06	2.75E-07	2.36E-06	4.67E-06
4,642	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.89E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.82E-06	3.29E-07	2.78E-06	5.64E-06	3.54E-07	2.94E-06	6.02E-06	2.75E-07	2.36E-06	4.66E-06
4,643	6.81E-07	5.68E-06	1.15E-05	6.00E-07	5.03E-06	9.89E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.81E-06	3.29E-07	2.78E-06	5.64E-06	3.54E-07	2.94E-06	6.02E-06	2.75E-07	2.36E-06	4.66E-06
4,644	6.81E-07	5.68E-06	1.15E-05	5.99E-07	5.03E-06	9.89E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.81E-06	3.29E-07	2.78E-06	5.64E-06	3.54E-07	2.94E-06	6.02E-06	2.75E-07	2.36E-06	4.66E-06
4,645	6.81E-07	5.68E-06	1.15E-05	5.99E-07	5.03E-06	9.88E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.81E-06	3.29E-07	2.78E-06	5.63E-06	3.54E-07	2.94E-06	6.02E-06	2.75E-07	2.36E-06	4.66E-06
4,646	6.80E-07	5.68E-06	1.15E-05	5.99E-07	5.03E-06	9.88E-06	2.54E-07	2.13E-06	4.25E-06	2.82E-07	2.42E-06	4.81E-06	3.29E-07	2.78E-06	5.63E-06	3.54E-07	2.94E-06	6.02E-06	2.74E-07	2.36E-06	4.66E-06
4,647	6.80E-07	5.67E-06	1.15E-05	5.99E-07	5.03E-06	9.88E-06	2.54E-07	2.13E-06	4.25E-06	2.81E-07	2.42E-06	4.81E-06	3.29E-07	2.78E-06	5.63E-06	3.54E-07	2.94E-06	6.01E-06	2.74E-07	2.36E-06	4.66E-06
4,648	6.80E-07	5.67E-06	1.15E-05	5.99E-07	5.03E-06	9.88E-06	2.54E-07	2.13E-06	4.25E-06	2.81E-07	2.42E-06	4.81E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.01E-06	2.74E-07	2.36E-06	4.66E-06
4,649	6.80E-07	5.67E-06	1.15E-05	5.99E-07	5.03E-06	9.88E-06	2.54E-07	2.12E-06	4.25E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.01E-06	2.74E-07	2.36E-06	4.66E-06
4,650	6.80E-07	5.67E-06	1.15E-05	5.99E-07	5.02E-06	9.88E-06	2.54E-07	2.12E-06	4.25E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.01E-06	2.74E-07	2.36E-06	4.65E-06
4,651	6.79E-07	5.67E-06	1.15E-05	5.99E-07	5.02E-06	9.87E-06	2.53E-07	2.12E-06	4.25E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.00E-06	2.74E-07	2.36E-06	4.64E-06
4,652	6.79E-07	5.67E-06	1.15E-05	5.98E-07	5.02E-06	9.87E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.00E-06	2.74E-07	2.36E-06	4.64E-06
4,653	6.79E-07	5.67E-06	1.15E-05	5.98E-07	5.02E-06	9.87E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.63E-06	3.53E-07	2.94E-06	6.00E-06	2.74E-07	2.36E-06	4.64E-06
4,654	6.78E-07	5.66E-06	1.14E-05	5.98E-07	5.02E-06	9.86E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.42E-06	4.80E-06	3.28E-07	2.78E-06	5.62E-06	3.53E-07	2.94E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,655	6.78E-07	5.66E-06	1.14E-05	5.98E-07	5.02E-06	9.86E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.79E-06	3.28E-07	2.77E-06	5.62E-06	3.53E-07	2.93E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,656	6.78E-07	5.66E-06	1.14E-05	5.98E-07	5.02E-06	9.86E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.79E-06	3.27E-07	2.77E-06	5.62E-06	3.53E-07	2.93E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,657	6.78E-07	5.66E-06	1.14E-05	5.97E-07	5.02E-06	9.86E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.79E-06	3.27E-07	2.77E-06	5.62E-06	3.53E-07	2.93E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,658	6.78E-07	5.66E-06	1.14E-05	5.97E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.79E-06	3.27E-07	2.77E-06	5.62E-06	3.53E-07	2.93E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,659	6.78E-07	5.66E-06	1.14E-05	5.96E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.79E-06	3.27E-07	2.77E-06	5.62E-06	3.52E-07	2.93E-06	5.99E-06	2.74E-07	2.36E-06	4.64E-06
4,660	6.77E-07	5.66E-06	1.14E-05	5.96E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.24E-06	2.81E-07	2.41E-06	4.78E-06	3.27E-07	2.77E-06	5.62E-06	3.52E-07	2.93E-06	5.98E-06	2.74E-07	2.36E-06	4.64E-06
4,661	6.77E-07	5.65E-06	1.14E-05	5.96E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.27E-07	2.77E-06	5.62E-06	3.52E-07	2.93E-06	5.98E-06	2.73E-07	2.36E-06	4.64E-06
4,662	6.77E-07	5.65E-06	1.14E-05	5.96E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.77E-06	5.62E-06	3.51E-07	2.93E-06	5.98E-06	2.73E-07	2.36E-06	4.63E-06
4,663	6.77E-07	5.65E-06	1.14E-05	5.96E-07	5.01E-06	9.85E-06	2.53E-07	2.12E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.77E-06	5.62E-06	3.51E-07	2.93E-06	5.98E-06	2.73E-07	2.36E-06	4.63E-06
4,664	6.77E-07	5.65E-06	1.14E-05	5.96E-07	5.01E-06	9.84E-06	2.53E-07	2.11E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.77E-06	5.61E-06	3.51E-07	2.92E-06	5.98E-06	2.73E-07	2.35E-06	4.63E-06
4,665	6.75E-07	5.65E-06	1.14E-05	5.96E-07	5.00E-06	9.84E-06	2.53E-07	2.11E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.77E-06	5.61E-06	3.51E-07	2.92E-06	5.98E-06	2.73E-07	2.35E-06	4.63E-06
4,666	6.75E-07	5.65E-06	1.14E-05	5.95E-07	5.00E-06	9.84E-06	2.53E-07	2.11E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.77E-06	5.61E-06	3.51E-07	2.92E-06	5.97E-06	2.73E-07	2.35E-06	4.62E-06
4,667	6.75E-07	5.65E-06	1.14E-05	5.95E-07	5.00E-06	9.84E-06	2.52E-07	2.11E-06	4.23E-06	2.81E-07	2.41E-06	4.78E-06	3.26E-07	2.76E-06	5.61E-06	3.51E-07	2.92E-06	5.97E-06	2.73E-07	2.35E-06	4.62E-06
4,668	6.74E-07	5.64E-06	1.14E-05	5.95E-07	4.99E-06	9.83E-06	2.52E-07	2.11E-06	4.23E-06	2.80E-07	2.41E-06	4.78E-06	3.26E-07	2.76E-06	5.61E-06	3.51E-07	2.92E-06	5.96E-06	2.73E-07	2.35E-06	4.62E-06
4,669	6.74E-07	5.64E-06	1.14E-05	5.95E-07	4.99E-06	9.83E-06	2.52E-07	2.11E-06	4.23E-06	2.80E-07	2.41E-06	4.78E-06	3.26E-07	2.76E-06	5.60E-06	3.51E-07	2.92E-06	5.96E-06	2.73E-07	2.35E-06	4.62E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,690	6.70E-07	5.61E-06	1.14E-05	5.91E-07	4.95E-06	9.77E-06	2.51E-07	2.10E-06	4.21E-06	2.79E-07	2.39E-06	4.75E-06	3.25E-07	2.75E-06	5.57E-06	3.48E-07	2.90E-06	5.93E-06	2.72E-07	2.34E-06	4.60E-06
4,691	6.69E-07	5.61E-06	1.14E-05	5.90E-07	4.95E-06	9.77E-06	2.51E-07	2.10E-06	4.20E-06	2.79E-07	2.39E-06	4.75E-06	3.25E-07	2.75E-06	5.56E-06	3.48E-07	2.90E-06	5.93E-06	2.72E-07	2.34E-06	4.60E-06
4,692	6.69E-07	5.61E-06	1.14E-05	5.90E-07	4.95E-06	9.77E-06	2.51E-07	2.10E-06	4.20E-06	2.79E-07	2.39E-06	4.75E-06	3.25E-07	2.75E-06	5.56E-06	3.48E-07	2.90E-06	5.93E-06	2.71E-07	2.34E-06	4.60E-06
4,693	6.69E-07	5.61E-06	1.14E-05	5.90E-07	4.95E-06	9.77E-06	2.51E-07	2.10E-06	4.20E-06	2.79E-07	2.39E-06	4.75E-06	3.25E-07	2.75E-06	5.56E-06	3.48E-07	2.90E-06	5.93E-06	2.71E-07	2.34E-06	4.59E-06
4,694	6.68E-07	5.61E-06	1.14E-05	5.90E-07	4.95E-06	9.77E-06	2.51E-07	2.10E-06	4.20E-06	2.79E-07	2.39E-06	4.75E-06	3.25E-07	2.75E-06	5.56E-06	3.48E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.59E-06
4,695	6.68E-07	5.61E-06	1.14E-05	5.90E-07	4.94E-06	9.77E-06	2.50E-07	2.10E-06	4.20E-06	2.79E-07	2.39E-06	4.74E-06	3.25E-07	2.75E-06	5.56E-06	3.48E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.59E-06
4,696	6.68E-07	5.60E-06	1.13E-05	5.90E-07	4.94E-06	9.77E-06	2.50E-07	2.09E-06	4.20E-06	2.79E-07	2.39E-06	4.74E-06	3.25E-07	2.75E-06	5.55E-06	3.48E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.59E-06
4,697	6.68E-07	5.60E-06	1.13E-05	5.90E-07	4.94E-06	9.76E-06	2.50E-07	2.09E-06	4.20E-06	2.79E-07	2.39E-06	4.74E-06	3.24E-07	2.75E-06	5.55E-06	3.47E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.58E-06
4,698	6.68E-07	5.60E-06	1.13E-05	5.89E-07	4.94E-06	9.76E-06	2.50E-07	2.09E-06	4.20E-06	2.78E-07	2.39E-06	4.74E-06	3.24E-07	2.75E-06	5.55E-06	3.47E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.58E-06
4,699	6.68E-07	5.60E-06	1.13E-05	5.89E-07	4.94E-06	9.75E-06	2.50E-07	2.09E-06	4.20E-06	2.78E-07	2.39E-06	4.74E-06	3.24E-07	2.74E-06	5.55E-06	3.47E-07	2.90E-06	5.92E-06	2.71E-07	2.33E-06	4.58E-06
4,700	6.67E-07	5.60E-06	1.13E-05	5.89E-07	4.93E-06	9.75E-06	2.50E-07	2.09E-06	4.20E-06	2.78E-07	2.39E-06	4.74E-06	3.24E-07	2.74E-06	5.55E-06	3.47E-07	2.90E-06	5.91E-06	2.71E-07	2.33E-06	4.58E-06
4,701	6.67E-07	5.60E-06	1.13E-05	5.89E-07	4.93E-06	9.74E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.74E-06	3.24E-07	2.74E-06	5.55E-06	3.47E-07	2.90E-06	5.91E-06	2.71E-07	2.33E-06	4.58E-06
4,702	6.67E-07	5.60E-06	1.13E-05	5.89E-07	4.92E-06	9.73E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.74E-06	3.24E-07	2.74E-06	5.55E-06	3.47E-07	2.90E-06	5.91E-06	2.71E-07	2.33E-06	4.57E-06
4,703	6.67E-07	5.60E-06	1.13E-05	5.89E-07	4.92E-06	9.73E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.24E-07	2.74E-06	5.55E-06	3.46E-07	2.90E-06	5.90E-06	2.71E-07	2.33E-06	4.57E-06
4,704	6.66E-07	5.59E-06	1.13E-05	5.89E-07	4.91E-06	9.73E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.24E-07	2.74E-06	5.55E-06	3.46E-07	2.89E-06	5.90E-06	2.71E-07	2.33E-06	4.57E-06
4,705	6.66E-07	5.59E-06	1.13E-05	5.89E-07	4.90E-06	9.72E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.24E-07	2.74E-06	5.55E-06	3.46E-07	2.89E-06	5.90E-06	2.71E-07	2.33E-06	4.57E-06
4,706	6.65E-07	5.59E-06	1.13E-05	5.88E-07	4.90E-06	9.72E-06	2.50E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.23E-07	2.74E-06	5.55E-06	3.46E-07	2.89E-06	5.90E-06	2.71E-07	2.33E-06	4.57E-06
4,707	6.65E-07	5.59E-06	1.13E-05	5.87E-07	4.90E-06	9.71E-06	2.49E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.23E-07	2.74E-06	5.55E-06	3.46E-07	2.89E-06	5.90E-06	2.70E-07	2.33E-06	4.57E-06
4,708	6.65E-07	5.59E-06	1.13E-05	5.87E-07	4.90E-06	9.71E-06	2.49E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.73E-06	3.23E-07	2.74E-06	5.54E-06	3.46E-07	2.89E-06	5.90E-06	2.70E-07	2.33E-06	4.57E-06
4,709	6.65E-07	5.58E-06	1.13E-05	5.87E-07	4.90E-06	9.71E-06	2.49E-07	2.09E-06	4.19E-06	2.78E-07	2.38E-06	4.72E-06	3.23E-07	2.74E-06	5.54E-06	3.46E-07	2.89E-06	5.90E-06	2.70E-07	2.33E-06	4.57E-06
4,710	6.65E-07	5.58E-06	1.13E-05	5.87E-07	4.90E-06	9.71E-06	2.49E-07	2.08E-06	4.19E-06	2.78E-07	2.38E-06	4.72E-06	3.23E-07	2.74E-06	5.54E-06	3.46E-07	2.89E-06	5.90E-06	2.70E-07	2.33E-06	4.57E-06
4,711	6.65E-07	5.58E-06	1.13E-05	5.87E-07	4.90E-06	9.70E-06	2.49E-07	2.08E-06	4.19E-06	2.77E-07	2.38E-06	4.72E-06	3.23E-07	2.74E-06	5.54E-06	3.46E-07	2.89E-06	5.90E-06	2.70E-07	2.33E-06	4.57E-06
4,712	6.65E-07	5.58E-06	1.13E-05	5.86E-07	4.90E-06	9.70E-06	2.49E-07	2.08E-06	4.19E-06	2.77E-07	2.37E-06	4.72E-06	3.23E-07	2.74E-06	5.54E-06	3.45E-07	2.89E-06	5.89E-06	2.70E-07	2.33E-06	4.57E-06
4,713	6.65E-07	5.57E-06	1.13E-05	5.86E-07	4.90E-06	9.70E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.37E-06	4.71E-06	3.23E-07	2.74E-06	5.53E-06	3.45E-07	2.88E-06	5.89E-06	2.70E-07	2.32E-06	4.56E-06
4,714	6.65E-07	5.57E-06	1.13E-05	5.85E-07	4.90E-06	9.69E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.37E-06	4.71E-06	3.23E-07	2.73E-06	5.53E-06	3.45E-07	2.88E-06	5.89E-06	2.70E-07	2.32E-06	4.56E-06
4,715	6.64E-07	5.57E-06	1.13E-05	5.85E-07	4.89E-06	9.69E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.37E-06	4.71E-06	3.23E-07	2.73E-06	5.53E-06	3.45E-07	2.88E-06	5.89E-06	2.70E-07	2.32E-06	4.56E-06
4,716	6.64E-07	5.57E-06	1.13E-05	5.84E-07	4.89E-06	9.68E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.37E-06	4.71E-06	3.23E-07	2.73E-06	5.53E-06	3.45E-07	2.88E-06	5.88E-06	2.70E-07	2.32E-06	4.56E-06
4,717	6.64E-07	5.57E-06	1.13E-05	5.84E-07	4.89E-06	9.67E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.37E-06	4.71E-06	3.23E-07	2.73E-06	5.53E-06	3.45E-07	2.88E-06	5.88E-06	2.70E-07	2.32E-06	4.56E-06
4,718	6.64E-07	5.57E-06	1.12E-05	5.84E-07	4.89E-06	9.66E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.36E-06	4.71E-06	3.22E-07	2.73E-06	5.52E-06	3.45E-07	2.88E-06	5.88E-06	2.70E-07	2.32E-06	4.56E-06
4,719	6.64E-07	5.55E-06	1.12E-05	5.84E-07	4.89E-06	9.66E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.36E-06	4.71E-06	3.22E-07	2.73E-06	5.52E-06	3.45E-07	2.88E-06	5.88E-06	2.70E-07	2.32E-06	4.55E-06
4,720	6.64E-07	5.55E-06	1.12E-05	5.84E-07	4.89E-06	9.65E-06	2.49E-07	2.08E-06	4.18E-06	2.77E-07	2.36E-06	4.70E-06	3.22E-07	2.73E-06	5.52E-06	3.45E-07	2.88E-06	5.88E-06	2.69E-07	2.32E-06	4.55E-06
4,721	6.63E-07	5.55E-06	1.12E-05	5.84E-07	4.89E-06	9.64E-06	2.48E-07	2.08E-06	4.18E-06	2.77E-07	2.36E-06	4.70E-06	3.22E-07	2.73E-06	5.52E-06	3.45E-07	2.88E-06	5.88E-06	2.69E-07	2.32E-06	4.55E-06
4,722	6.63E-07	5.55E-06	1.12E-05	5.83E-07	4.88E-06	9.64E-06	2.48E-07	2.08E-06	4.17E-06	2.77E-07	2.36E-06	4.70E-06	3.22E-07	2.73E-06	5.52E-06	3.44E-07	2.88E-06	5.88E-06	2.69E-07	2.32E-06	4.55E-06
4,723	6.61E-07	5.55E-06	1.12E-05	5.83E-07	4.88E-06	9.64E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.73E-06	5.52E-06	3.44E-07	2.88E-06	5.87E-06	2.69E-07	2.31E-06	4.55E-06
4,724	6.61E-07	5.55E-06	1.12E-05	5.83E-07	4.88E-06	9.64E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.73E-06	5.52E-06	3.44E-07	2.88E-06	5.87E-06	2.69E-07	2.31E-06	4.55E-06
4,725	6.61E-07	5.55E-06	1.12E-05	5.83E-07	4.88E-06	9.63E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.87E-06	2.69E-07	2.31E-06	4.55E-06
4,726	6.61E-07	5.55E-06	1.12E-05	5.83E-07	4.87E-06	9.62E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.87E-06	2.69E-07	2.31E-06	4.55E-06
4,727	6.61E-07	5.54E-06	1.12E-05	5.83E-07	4.87E-06	9.62E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.86E-06	2.69E-07	2.31E-06	4.55E-06
4,728	6.60E-07	5.54E-06	1.12E-05	5.83E-07	4.87E-06	9.61E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.36E-06	4.70E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.86E-06	2.69E-07	2.31E-06	4.55E-06
4,729	6.60E-07	5.54E-06	1.12E-05	5.82E-07	4.87E-06	9.61E-06	2.48E-07	2.08E-06	4.17E-06	2.76E-07	2.35E-06	4.69E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.86E-06	2.69E-07	2.31E-06	4.55E-06
4,730	6.60E-07	5.53E-06	1.12E-05	5.82E-07	4.87E-06	9.61E-06	2.48E-07	2.08E-06	4.16E-06	2.76E-07	2.35E-06	4.69E-06	3.22E-07	2.72E-06	5.51E-06	3.44E-07	2.87E-06	5.86E-06	2.69E-07	2.31E-06	4.55E-06
4,731	6.60E-07	5.53E-06	1.12E-05	5.82E-07	4.86E-06	9.61E-06	2.48E-07	2.08E-06	4.16E-06	2.76E-07	2.35E-06	4.69E-06	3.22E-07	2.71E-06	5.50E-06	3.44E-07	2.87E-06	5.86E-06	2.69E-07	2.31E-06	4.55E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,876	6.29E-07	5.25E-06	1.07E-05	5.57E-07	4.63E-06	9.13E-06	2.39E-07	1.99E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.08E-07	2.58E-06	5.26E-06	3.29E-07	2.74E-06	5.63E-06	2.58E-07	2.20E-06	4.37E-06
4,877	6.29E-07	5.25E-06	1.07E-05	5.57E-07	4.63E-06	9.13E-06	2.39E-07	1.99E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.58E-06	5.26E-06	3.29E-07	2.73E-06	5.62E-06	2.58E-07	2.19E-06	4.37E-06
4,878	6.29E-07	5.25E-06	1.07E-05	5.56E-07	4.63E-06	9.13E-06	2.39E-07	1.99E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.58E-06	5.26E-06	3.29E-07	2.73E-06	5.62E-06	2.58E-07	2.19E-06	4.35E-06
4,879	6.29E-07	5.24E-06	1.07E-05	5.55E-07	4.62E-06	9.13E-06	2.39E-07	1.98E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.58E-06	5.26E-06	3.29E-07	2.73E-06	5.62E-06	2.58E-07	2.19E-06	4.35E-06
4,880	6.29E-07	5.24E-06	1.07E-05	5.55E-07	4.62E-06	9.13E-06	2.39E-07	1.98E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.58E-06	5.26E-06	3.28E-07	2.73E-06	5.62E-06	2.58E-07	2.19E-06	4.35E-06
4,881	6.29E-07	5.24E-06	1.07E-05	5.55E-07	4.62E-06	9.12E-06	2.39E-07	1.98E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.57E-06	5.26E-06	3.28E-07	2.73E-06	5.61E-06	2.58E-07	2.19E-06	4.35E-06
4,882	6.29E-07	5.24E-06	1.07E-05	5.54E-07	4.62E-06	9.12E-06	2.39E-07	1.98E-06	4.01E-06	2.66E-07	2.24E-06	4.49E-06	3.07E-07	2.57E-06	5.25E-06	3.28E-07	2.73E-06	5.61E-06	2.57E-07	2.19E-06	4.35E-06
4,883	6.28E-07	5.24E-06	1.07E-05	5.54E-07	4.61E-06	9.12E-06	2.39E-07	1.98E-06	4.01E-06	2.65E-07	2.24E-06	4.49E-06	3.07E-07	2.57E-06	5.25E-06	3.28E-07	2.73E-06	5.61E-06	2.57E-07	2.19E-06	4.35E-06
4,884	6.28E-07	5.24E-06	1.07E-05	5.54E-07	4.61E-06	9.12E-06	2.38E-07	1.98E-06	4.01E-06	2.65E-07	2.24E-06	4.49E-06	3.07E-07	2.57E-06	5.25E-06	3.28E-07	2.73E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,885	6.28E-07	5.23E-06	1.07E-05	5.53E-07	4.61E-06	9.12E-06	2.38E-07	1.98E-06	4.01E-06	2.65E-07	2.24E-06	4.49E-06	3.06E-07	2.57E-06	5.25E-06	3.28E-07	2.72E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,886	6.28E-07	5.23E-06	1.06E-05	5.53E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.24E-06	4.48E-06	3.06E-07	2.57E-06	5.25E-06	3.28E-07	2.72E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,887	6.28E-07	5.23E-06	1.06E-05	5.53E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.24E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.28E-07	2.72E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,888	6.28E-07	5.23E-06	1.06E-05	5.52E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.28E-07	2.72E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,889	6.28E-07	5.23E-06	1.06E-05	5.52E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.28E-07	2.72E-06	5.61E-06	2.57E-07	2.19E-06	4.34E-06
4,890	6.27E-07	5.23E-06	1.06E-05	5.51E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.28E-07	2.72E-06	5.60E-06	2.57E-07	2.19E-06	4.34E-06
4,891	6.27E-07	5.23E-06	1.06E-05	5.51E-07	4.60E-06	9.11E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.27E-07	2.72E-06	5.60E-06	2.57E-07	2.19E-06	4.34E-06
4,892	6.27E-07	5.22E-06	1.06E-05	5.51E-07	4.60E-06	9.10E-06	2.38E-07	1.98E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.24E-06	3.27E-07	2.72E-06	5.60E-06	2.57E-07	2.18E-06	4.33E-06
4,893	6.27E-07	5.22E-06	1.06E-05	5.51E-07	4.60E-06	9.09E-06	2.38E-07	1.97E-06	4.00E-06	2.65E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.23E-06	3.27E-07	2.72E-06	5.60E-06	2.57E-07	2.18E-06	4.33E-06
4,894	6.27E-07	5.22E-06	1.06E-05	5.51E-07	4.59E-06	9.09E-06	2.38E-07	1.97E-06	4.00E-06	2.64E-07	2.23E-06	4.48E-06	3.06E-07	2.57E-06	5.23E-06	3.27E-07	2.72E-06	5.60E-06	2.57E-07	2.18E-06	4.33E-06
4,895	6.27E-07	5.22E-06	1.06E-05	5.51E-07	4.59E-06	9.09E-06	2.38E-07	1.97E-06	4.00E-06	2.64E-07	2.23E-06	4.48E-06	3.06E-07	2.56E-06	5.23E-06	3.27E-07	2.72E-06	5.60E-06	2.56E-07	2.18E-06	4.33E-06
4,896	6.27E-07	5.21E-06	1.06E-05	5.51E-07	4.59E-06	9.08E-06	2.38E-07	1.97E-06	4.00E-06	2.64E-07	2.23E-06	4.48E-06	3.06E-07	2.56E-06	5.23E-06	3.27E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.33E-06
4,897	6.27E-07	5.21E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	4.00E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.23E-06	3.27E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.33E-06
4,898	6.27E-07	5.21E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.23E-06	3.27E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,899	6.26E-07	5.21E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.22E-06	3.27E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,900	6.26E-07	5.21E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.22E-06	3.27E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,901	6.26E-07	5.21E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.22E-06	3.26E-07	2.72E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,902	6.25E-07	5.20E-06	1.06E-05	5.50E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.56E-06	5.22E-06	3.26E-07	2.71E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,903	6.25E-07	5.20E-06	1.06E-05	5.49E-07	4.59E-06	9.07E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.23E-06	4.48E-06	3.05E-07	2.55E-06	5.22E-06	3.26E-07	2.71E-06	5.59E-06	2.56E-07	2.18E-06	4.32E-06
4,904	6.25E-07	5.20E-06	1.06E-05	5.49E-07	4.58E-06	9.06E-06	2.37E-07	1.97E-06	3.99E-06	2.64E-07	2.22E-06	4.48E-06	3.05E-07	2.55E-06	5.22E-06	3.26E-07	2.71E-06	5.59E-06	2.55E-07	2.18E-06	4.32E-06
4,905	6.25E-07	5.20E-06	1.06E-05	5.49E-07	4.58E-06	9.06E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.05E-07	2.55E-06	5.22E-06	3.26E-07	2.71E-06	5.59E-06	2.55E-07	2.17E-06	4.32E-06
4,906	6.24E-07	5.20E-06	1.06E-05	5.49E-07	4.58E-06	9.06E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.04E-07	2.55E-06	5.22E-06	3.26E-07	2.71E-06	5.58E-06	2.55E-07	2.17E-06	4.32E-06
4,907	6.24E-07	5.20E-06	1.06E-05	5.49E-07	4.58E-06	9.05E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.04E-07	2.55E-06	5.22E-06	3.25E-07	2.71E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,908	6.24E-07	5.20E-06	1.06E-05	5.48E-07	4.58E-06	9.05E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.04E-07	2.55E-06	5.21E-06	3.25E-07	2.71E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,909	6.24E-07	5.20E-06	1.06E-05	5.48E-07	4.58E-06	9.05E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.04E-07	2.55E-06	5.21E-06	3.25E-07	2.71E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,910	6.23E-07	5.19E-06	1.06E-05	5.48E-07	4.58E-06	9.05E-06	2.37E-07	1.96E-06	3.99E-06	2.63E-07	2.22E-06	4.47E-06	3.04E-07	2.55E-06	5.21E-06	3.25E-07	2.70E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,911	6.23E-07	5.19E-06	1.06E-05	5.48E-07	4.58E-06	9.05E-06	2.37E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.46E-06	3.04E-07	2.55E-06	5.21E-06	3.25E-07	2.70E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,912	6.23E-07	5.19E-06	1.05E-05	5.48E-07	4.57E-06	9.04E-06	2.37E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.46E-06	3.04E-07	2.55E-06	5.21E-06	3.24E-07	2.70E-06	5.58E-06	2.55E-07	2.17E-06	4.31E-06
4,913	6.23E-07	5.19E-06	1.05E-05	5.48E-07	4.57E-06	9.04E-06	2.37E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.46E-06	3.04E-07	2.55E-06	5.20E-06	3.24E-07	2.70E-06	5.57E-06	2.55E-07	2.17E-06	4.30E-06
4,914	6.23E-07	5.18E-06	1.05E-05	5.48E-07	4.57E-06	9.04E-06	2.37E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.46E-06	3.04E-07	2.55E-06	5.20E-06	3.24E-07	2.70E-06	5.57E-06	2.55E-07	2.17E-06	4.30E-06
4,915	6.22E-07	5.18E-06	1.05E-05	5.48E-07	4.57E-06	9.03E-06	2.37E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.46E-06	3.04E-07	2.54E-06	5.20E-06	3.24E-07	2.70E-06	5.57E-06	2.55E-07	2.17E-06	4.30E-06
4,916	6.22E-07	5.18E-06	1.05E-05	5.48E-07	4.57E-06	9.03E-06	2.36E-07	1.96E-06	3.98E-06	2.63E-07	2.22E-06	4.45E-06	3.04E-07	2.54E-06	5.20E-06	3.24E-07	2.70E-06	5.57E-06	2.54E-07	2.17E-06	4.30E-06
4,917	6.22E-07	5.18E-06	1.05E-05	5.47E-07	4.57E-06	9.03E-06	2.36E-07	1.96E-06	3.98E-06	2.63E-07	2.21E-06	4.45E-06	3.04E-07	2.54E-06	5.20E-06	3.24E-07	2.70E-06	5.57E-06	2.54E-07	2.17E-06	4.30E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (ng/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,790	2.42E-07	1.90E-06	4.13E-06	1.93E-07	1.61E-06	3.39E-06	9.78E-08	7.94E-07	1.71E-06	1.06E-07	8.75E-07	1.89E-06	1.20E-07	9.82E-07	2.14E-06	1.29E-07	1.06E-06	2.27E-06	1.07E-07	8.51E-07	1.86E-06
7,791	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.61E-06	3.39E-06	9.76E-08	7.94E-07	1.70E-06	1.06E-07	8.75E-07	1.89E-06	1.20E-07	9.82E-07	2.14E-06	1.29E-07	1.06E-06	2.27E-06	1.07E-07	8.51E-07	1.86E-06
7,792	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.61E-06	3.39E-06	9.76E-08	7.94E-07	1.70E-06	1.06E-07	8.75E-07	1.89E-06	1.20E-07	9.81E-07	2.13E-06	1.29E-07	1.06E-06	2.27E-06	1.07E-07	8.51E-07	1.86E-06
7,793	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.60E-06	3.38E-06	9.75E-08	7.93E-07	1.70E-06	1.06E-07	8.74E-07	1.88E-06	1.20E-07	9.80E-07	2.13E-06	1.28E-07	1.06E-06	2.27E-06	1.07E-07	8.51E-07	1.85E-06
7,794	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.60E-06	3.38E-06	9.74E-08	7.92E-07	1.70E-06	1.06E-07	8.74E-07	1.88E-06	1.20E-07	9.80E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.51E-07	1.85E-06
7,795	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.60E-06	3.38E-06	9.74E-08	7.92E-07	1.70E-06	1.06E-07	8.74E-07	1.88E-06	1.20E-07	9.80E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.51E-07	1.85E-06
7,796	2.41E-07	1.90E-06	4.12E-06	1.93E-07	1.60E-06	3.38E-06	9.74E-08	7.92E-07	1.70E-06	1.06E-07	8.74E-07	1.88E-06	1.20E-07	9.80E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.50E-07	1.85E-06
7,797	2.41E-07	1.90E-06	4.12E-06	1.92E-07	1.60E-06	3.38E-06	9.74E-08	7.92E-07	1.70E-06	1.06E-07	8.73E-07	1.88E-06	1.20E-07	9.79E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.50E-07	1.85E-06
7,798	2.41E-07	1.90E-06	4.12E-06	1.92E-07	1.60E-06	3.38E-06	9.74E-08	7.92E-07	1.70E-06	1.06E-07	8.73E-07	1.88E-06	1.20E-07	9.79E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.50E-07	1.85E-06
7,799	2.41E-07	1.89E-06	4.11E-06	1.92E-07	1.60E-06	3.37E-06	9.73E-08	7.91E-07	1.70E-06	1.06E-07	8.73E-07	1.88E-06	1.20E-07	9.79E-07	2.13E-06	1.28E-07	1.06E-06	2.26E-06	1.07E-07	8.50E-07	1.85E-06
7,800	2.40E-07	1.89E-06	4.11E-06	1.92E-07	1.60E-06	3.37E-06	9.73E-08	7.91E-07	1.70E-06	1.06E-07	8.73E-07	1.88E-06	1.20E-07	9.78E-07	2.13E-06	1.28E-07	1.05E-06	2.26E-06	1.06E-07	8.50E-07	1.85E-06
7,801	2.40E-07	1.89E-06	4.11E-06	1.92E-07	1.60E-06	3.37E-06	9.72E-08	7.90E-07	1.70E-06	1.06E-07	8.72E-07	1.88E-06	1.20E-07	9.78E-07	2.13E-06	1.28E-07	1.05E-06	2.26E-06	1.06E-07	8.50E-07	1.85E-06
7,802	2.40E-07	1.89E-06	4.11E-06	1.92E-07	1.60E-06	3.37E-06	9.71E-08	7.90E-07	1.70E-06	1.06E-07	8.72E-07	1.88E-06	1.20E-07	9.78E-07	2.13E-06	1.27E-07	1.05E-06	2.26E-06	1.06E-07	8.49E-07	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,852	2.35E-07	1.86E-06	4.02E-06	1.87E-07	1.56E-06	3.29E-06	9.51E-08	7.74E-07	1.67E-06	1.03E-07	8.58E-07	1.84E-06	1.17E-07	9.55E-07	2.09E-06	1.25E-07	1.03E-06	2.22E-06	1.04E-07	8.35E-07	1.81E-06
7,853	2.35E-07	1.86E-06	4.02E-06	1.87E-07	1.56E-06	3.29E-06	9.51E-08	7.74E-07	1.67E-06	1.03E-07	8.57E-07	1.84E-06	1.17E-07	9.55E-07	2.09E-06	1.25E-07	1.03E-06	2.22E-06	1.04E-07	8.34E-07	1.81E-06
7,854	2.35E-07	1.86E-06	4.02E-06	1.87E-07	1.56E-06	3.29E-06	9.50E-08	7.74E-07	1.66E-06	1.03E-07	8.57E-07	1.84E-06	1.17E-07	9.54E-07	2.09E-06	1.25E-07	1.02E-06	2.22E-06	1.04E-07	8.34E-07	1.81E-06
7,855	2.35E-07	1.86E-06	4.02E-06	1.87E-07	1.56E-06	3.29E-06	9.49E-08	7.74E-07	1.66E-06	1.03E-07	8.57E-07	1.84E-06	1.17E-07	9.54E-07	2.09E-06	1.25E-07	1.02E-06	2.22E-06	1.04E-07	8.34E-07	1.81E-06
7,856	2.35E-07	1.86E-06	4.01E-06	1.87E-07	1.56E-06	3.28E-06	9.49E-08	7.74E-07	1.66E-06	1.03E-07	8.57E-07	1.84E-06	1.17E-07	9.54E-07	2.09E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.34E-07	1.81E-06
7,857	2.35E-07	1.86E-06	4.01E-06	1.86E-07	1.56E-06	3.28E-06	9.48E-08	7.73E-07	1.66E-06	1.03E-07	8.56E-07	1.84E-06	1.17E-07	9.54E-07	2.09E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.34E-07	1.81E-06
7,858	2.35E-07	1.85E-06	4.01E-06	1.86E-07	1.56E-06	3.28E-06	9.48E-08	7.72E-07	1.66E-06	1.03E-07	8.56E-07	1.84E-06	1.17E-07	9.53E-07	2.09E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.34E-07	1.81E-06
7,859	2.34E-07	1.85E-06	4.01E-06	1.86E-07	1.55E-06	3.28E-06	9.47E-08	7.72E-07	1.66E-06	1.03E-07	8.56E-07	1.84E-06	1.17E-07	9.52E-07	2.08E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.33E-07	1.81E-06
7,860	2.34E-07	1.85E-06	4.01E-06	1.86E-07	1.55E-06	3.28E-06	9.47E-08	7.72E-07	1.66E-06	1.03E-07	8.56E-07	1.84E-06	1.17E-07	9.52E-07	2.08E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.33E-07	1.80E-06
7,861	2.34E-07	1.85E-06	4.00E-06	1.86E-07	1.55E-06	3.28E-06	9.47E-08	7.72E-07	1.66E-06	1.03E-07	8.55E-07	1.84E-06	1.17E-07	9.52E-07	2.08E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.33E-07	1.80E-06
7,862	2.34E-07	1.85E-06	4.00E-06	1.86E-07	1.55E-06	3.28E-06	9.47E-08	7.72E-07	1.66E-06	1.03E-07	8.55E-07	1.84E-06	1.17E-07	9.51E-07	2.08E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.32E-07	1.80E-06
7,863	2.34E-07	1.85E-06	4.00E-06	1.86E-07	1.55E-06	3.27E-06	9.46E-08	7.72E-07	1.66E-06	1.03E-07	8.55E-07	1.84E-06	1.17E-07	9.51E-07	2.08E-06	1.25E-07	1.02E-06	2.21E-06	1.04E-07	8.32E-07	1.80E-06
7,864	2.34E-07	1.85E-06	4.00E-06	1.86E-07	1.55E-06	3.27E-06	9.46E-08	7.71E-07	1.66E-06	1.03E-07	8.55E-07	1.84E-06	1.17E-07	9.50E-07	2.08E-06	1.24E-07	1.02E-06	2.21E-06	1.04E-07	8.32E-07	1.80E-06
7,865	2.34E-07	1.85E-06	4.00E-06	1.86E-07	1.55E-06	3.27E-06	9.46E-08	7.71E-07	1.66E-06	1.03E-07	8.54E-07	1.84E-06	1.17E-07	9.50E-07	2.08E-06	1.24E-07	1.02E-06	2.21E-06	1.04E-07	8.31E-07	1.80E-06
7,866	2.34E-07	1.85E-06	3.99E-06	1.86E-07	1.55E-06	3.27E-06	9.45E-08	7.71E-07	1.66E-06	1.03E-07	8.53E-07	1.84E-06	1.17E-07	9.50E-07	2.08E-06	1.24E-07	1.02E-06	2.21E-06	1.04E-07	8.31E-07	1.80E-06
7,867	2.33E-07	1.85E-06	3.99E-06	1.86E-07	1.55E-06	3.27E-06	9.45E-08	7.70E-07	1.66E-06	1.03E-07	8.53E-07	1.83E-06	1.17E-07	9.49E-07	2.08E-06	1.24E-07	1.02E-06	2.21E-06	1.04E-07	8.30E-07	1.80E-06
7,868	2.33E-07	1.85E-06	3.99E-06	1.85E-07	1.55E-06	3.27E-06	9.45E-08	7.70E-07	1.66E-06	1.03E-07	8.53E-07	1.83E-06	1.17E-07	9.49E-07	2.08E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.30E-07	1.80E-06
7,869	2.33E-07	1.85E-06	3.99E-06	1.85E-07	1.55E-06	3.27E-06	9.44E-08	7.70E-07	1.66E-06	1.03E-07	8.53E-07	1.83E-06	1.17E-07	9.48E-07	2.08E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.30E-07	1.80E-06
7,870	2.33E-07	1.85E-06	3.99E-06	1.85E-07	1.55E-06	3.27E-06	9.44E-08	7.70E-07	1.66E-06	1.03E-07	8.53E-07	1.83E-06	1.17E-07	9.48E-07	2.08E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.29E-07	1.80E-06
7,871	2.33E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.27E-06	9.43E-08	7.69E-07	1.66E-06	1.03E-07	8.51E-07	1.83E-06	1.17E-07	9.47E-07	2.08E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.29E-07	1.80E-06
7,872	2.33E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.26E-06	9.43E-08	7.69E-07	1.66E-06	1.02E-07	8.51E-07	1.83E-06	1.17E-07	9.47E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.29E-07	1.80E-06
7,873	2.32E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.26E-06	9.43E-08	7.69E-07	1.66E-06	1.02E-07	8.51E-07	1.83E-06	1.17E-07	9.47E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.04E-07	8.29E-07	1.79E-06
7,874	2.32E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.26E-06	9.43E-08	7.69E-07	1.66E-06	1.02E-07	8.51E-07	1.83E-06	1.17E-07	9.47E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,875	2.32E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.26E-06	9.42E-08	7.68E-07	1.66E-06	1.02E-07	8.51E-07	1.83E-06	1.17E-07	9.46E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,876	2.32E-07	1.84E-06	3.98E-06	1.85E-07	1.55E-06	3.26E-06	9.42E-08	7.68E-07	1.66E-06	1.02E-07	8.50E-07	1.83E-06	1.17E-07	9.46E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,877	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.26E-06	9.42E-08	7.68E-07	1.66E-06	1.02E-07	8.50E-07	1.83E-06	1.17E-07	9.46E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,878	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.25E-06	9.41E-08	7.68E-07	1.65E-06	1.02E-07	8.50E-07	1.83E-06	1.16E-07	9.45E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,879	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.25E-06	9.41E-08	7.68E-07	1.65E-06	1.02E-07	8.50E-07	1.83E-06	1.16E-07	9.45E-07	2.07E-06	1.24E-07	1.02E-06	2.20E-06	1.03E-07	8.28E-07	1.79E-06
7,880	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.25E-06	9.41E-08	7.68E-07	1.65E-06	1.02E-07	8.50E-07	1.83E-06	1.16E-07	9.45E-07	2.07E-06	1.24E-07	1.01E-06	2.20E-06	1.03E-07	8.26E-07	1.79E-06
7,881	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.25E-06	9.40E-08	7.68E-07	1.65E-06	1.02E-07	8.49E-07	1.83E-06	1.16E-07	9.45E-07	2.07E-06	1.24E-07	1.01E-06	2.20E-06	1.03E-07	8.26E-07	1.79E-06
7,882	2.32E-07	1.84E-06	3.97E-06	1.85E-07	1.54E-06	3.25E-06	9.39E-08	7.68E-07	1.65E-06	1.02E-07	8.49E-07	1.83E-06	1.16E-07	9.44E-07	2.07E-06	1.24E-07	1.01E-06	2.20E-06	1.03E-07	8.25E-07	1.79E-06
7,883	2.31E-07	1.84E-06	3.97E-06	1.84E-07	1.54E-06	3.25E-06	9.39E-08	7.67E-07	1.65E-06	1.02E-07	8.49E-07	1.83E-06	1.16E-07	9.44E-07	2.07E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.25E-07	1.79E-06
7,884	2.31E-07	1.84E-06	3.97E-06	1.84E-07	1.53E-06	3.25E-06	9.39E-08	7.67E-07	1.65E-06	1.02E-07	8.48E-07	1.83E-06	1.16E-07	9.44E-07	2.07E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.24E-07	1.79E-06
7,885	2.31E-07	1.84E-06	3.96E-06	1.84E-07	1.53E-06	3.25E-06	9.39E-08	7.67E-07	1.65E-06	1.02E-07	8.48E-07	1.83E-06	1.16E-07	9.43E-07	2.06E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.24E-07	1.79E-06
7,886	2.31E-07	1.84E-06	3.96E-06	1.84E-07	1.53E-06	3.24E-06	9.38E-08	7.66E-07	1.65E-06	1.02E-07	8.48E-07	1.83E-06	1.16E-07	9.43E-07	2.06E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.24E-07	1.79E-06
7,887	2.31E-07	1.83E-06	3.96E-06	1.84E-07	1.53E-06	3.24E-06	9.38E-08	7.66E-07	1.65E-06	1.02E-07	8.48E-07	1.82E-06	1.16E-07	9.43E-07	2.06E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.24E-07	1.78E-06
7,888	2.31E-07	1.83E-06	3.96E-06	1.84E-07	1.53E-06	3.24E-06	9.38E-08	7.66E-07	1.65E-06	1.02E-07	8.47E-07	1.82E-06	1.16E-07	9.43E-07	2.06E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.24E-07	1.78E-06
7,889	2.31E-07	1.83E-06	3.96E-06	1.84E-07	1.53E-06	3.23E-06	9.38E-08	7.66E-07	1.65E-06	1.02E-07	8.47E-07	1.82E-06	1.16E-07	9.43E-07	2.06E-06	1.24E-07	1.01E-06	2.19E-06	1.03E-07	8.22E-07	1.78E-06
7,890	2.31E-07	1.83E-06	3.95E-06	1.84E-07	1.53E-06	3.23E-06	9.37E-08	7.66E-07	1.65E-06	1.02E-07	8.47E-07	1.82E-06	1.16E-07	9.42E-07	2.06E-06	1.23E-07	1.01E-06	2.19E-06	1.03E-07	8.22E-07	1.78E-06
7,891	2.31E-07	1.83E-06	3.95E-06	1.84E-07	1.53E-06	3.23E-06	9.37E-08	7.66E-07	1.65E-06	1.02E-07	8.47E-07	1.82E-06	1.16E-07	9.42E-07	2.06E-06	1.23E-07	1.01E-06	2.19E-06	1.03E-07	8.22E-07	1.78E-06
7,892	2.31E-07	1.83E-06	3.95E-06	1.84E-07	1.53E-06	3.23E-06	9.36E-08	7.66E-07	1.65E-06	1.02E-07	8.47E-07	1.82E-06	1.16E-07	9.42E-07	2.06E-06	1.23E-07	1.01E-06	2.19E-06	1.03E-07	8.22E-07	1.78E-06
7,893	2.30E-07	1.83E-06	3.95E-06	1.84E-07	1.53E-06	3.23E-06	9.36E-08	7.66E-07	1.65E-06	1.02E-07	8.45E-07	1.82E-06	1.16E-07	9.41E-07	2.06E-06	1.23E-07	1.01E-06	2.19E-06	1.03E-07	8.22E-07	1.78E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,914	2.28E-07	1.82E-06	3.91E-06	1.82E-07	1.52E-06	3.20E-06	9.31E-08	7.61E-07	1.63E-06	1.01E-07	8.36E-07	1.80E-06	1.15E-07	9.32E-07	2.04E-06	1.22E-07	9.97E-07	2.17E-06	1.02E-07	8.14E-07	1.77E-06
7,915	2.28E-07	1.82E-06	3.91E-06	1.82E-07	1.52E-06	3.20E-06	9.29E-08	7.60E-07	1.63E-06	1.01E-07	8.36E-07	1.80E-06	1.15E-07	9.32E-07	2.04E-06	1.22E-07	9.97E-07	2.16E-06	1.02E-07	8.13E-07	1.77E-06
7,916	2.28E-07	1.81E-06	3.91E-06	1.82E-07	1.52E-06	3.20E-06	9.29E-08	7.60E-07	1.63E-06	1.01E-07	8.36E-07	1.80E-06	1.15E-07	9.32E-07	2.04E-06	1.22E-07	9.97E-07	2.16E-06	1.02E-07	8.13E-07	1.76E-06
7,917	2.27E-07	1.81E-06	3.91E-06	1.82E-07	1.51E-06	3.20E-06	9.29E-08	7.60E-07	1.63E-06	1.01E-07	8.36E-07	1.80E-06	1.15E-07	9.32E-07	2.04E-06	1.22E-07	9.97E-07	2.16E-06	1.02E-07	8.13E-07	1.76E-06
7,918	2.27E-07	1.81E-06	3.91E-06	1.82E-07	1.51E-06	3.19E-06	9.28E-08	7.60E-07	1.63E-06	1.01E-07	8.35E-07	1.80E-06	1.15E-07	9.32E-07	2.04E-06	1.22E-07	9.97E-07	2.16E-06	1.02E-07	8.13E-07	1.76E-06
7,919	2.27E-07	1.81E-06	3.91E-06	1.82E-07	1.51E-06	3.19E-06	9.27E-08	7.60E-07	1.63E-06	1.01E-07	8.35E-07	1.80E-06	1.15E-07	9.31E-07	2.04E-06	1.22E-07	9.96E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,920	2.27E-07	1.81E-06	3.91E-06	1.82E-07	1.51E-06	3.19E-06	9.27E-08	7.59E-07	1.63E-06	1.01E-07	8.35E-07	1.80E-06	1.15E-07	9.31E-07	2.04E-06	1.22E-07	9.95E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,921	2.27E-07	1.81E-06	3.90E-06	1.82E-07	1.51E-06	3.19E-06	9.27E-08	7.59E-07	1.63E-06	1.01E-07	8.34E-07	1.80E-06	1.15E-07	9.31E-07	2.04E-06	1.22E-07	9.95E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,922	2.27E-07	1.81E-06	3.90E-06	1.82E-07	1.51E-06	3.19E-06	9.25E-08	7.58E-07	1.63E-06	1.01E-07	8.33E-07	1.80E-06	1.15E-07	9.30E-07	2.04E-06	1.22E-07	9.95E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,923	2.27E-07	1.81E-06	3.90E-06	1.82E-07	1.51E-06	3.19E-06	9.25E-08	7.58E-07	1.63E-06	1.01E-07	8.33E-07	1.79E-06	1.15E-07	9.30E-07	2.04E-06	1.21E-07	9.95E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,924	2.27E-07	1.81E-06	3.90E-06	1.81E-07	1.51E-06	3.19E-06	9.25E-08	7.58E-07	1.63E-06	1.01E-07	8.33E-07	1.79E-06	1.15E-07	9.30E-07	2.03E-06	1.21E-07	9.95E-07	2.16E-06	1.02E-07	8.12E-07	1.76E-06
7,925	2.27E-07	1.81E-06	3.90E-06	1.81E-07	1.51E-06	3.19E-06	9.24E-08	7.58E-07	1.63E-06	1.01E-07	8.33E-07	1.79E-06	1.15E-07	9.29E-07	2.03E-06	1.21E-07	9.94E-07	2.16E-06	1.02E-07	8.11E-07	1.76E-06
7,926	2.27E-07	1.80E-06	3.89E-06	1.81E-07	1.51E-06	3.19E-06	9.24E-08	7.57E-07	1.62E-06	1.01E-07	8.33E-07	1.79E-06	1.15E-07	9.29E-07	2.03E-06	1.21E-07	9.94E-07	2.16E-06	1.02E-07	8.11E-07	1.76E-06
7,927	2.27E-07	1.80E-06	3.89E-06	1.81E-07	1.50E-06	3.19E-06	9.24E-08	7.57E-07	1.62E-06	1.01E-07	8.33E-07	1.79E-06	1.15E-07	9.29E-07	2.03E-06	1.21E-07	9.94E-07	2.15E-06	1.02E-07	8.11E-07	1.76E-06
7,928	2.26E-07	1.80E-06	3.89E-06	1.81E-07	1.50E-06	3.18E-06	9.24E-08	7.57E-07	1.62E-06	1.01E-07	8.32E-07	1.79E-06	1.15E-07	9.29E-07	2.03E-06	1.21E-07	9.93E-07	2.15E-06	1.01E-07	8.11E-07	1.76E-06
7,929	2.26E-07	1.80E-06	3.89E-06	1.81E-07	1.50E-06	3.18E-06	9.24E-08	7.57E-07	1.62E-06	1.01E-07	8.32E-07	1.78E-06	1.15E-07	9.28E-07	2.03E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.11E-07	1.76E-06
7,930	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.18E-06	9.22E-08	7.57E-07	1.62E-06	1.01E-07	8.32E-07	1.78E-06	1.15E-07	9.27E-07	2.03E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.11E-07	1.76E-06
7,931	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.18E-06	9.22E-08	7.57E-07	1.62E-06	1.01E-07	8.32E-07	1.78E-06	1.15E-07	9.26E-07	2.03E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.11E-07	1.76E-06
7,932	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.18E-06	9.21E-08	7.56E-07	1.62E-06	1.01E-07	8.32E-07	1.78E-06	1.15E-07	9.26E-07	2.02E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.10E-07	1.75E-06
7,933	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.18E-06	9.21E-08	7.56E-07	1.62E-06	1.01E-07	8.31E-07	1.78E-06	1.15E-07	9.26E-07	2.02E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.10E-07	1.75E-06
7,934	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.18E-06	9.20E-08	7.56E-07	1.62E-06	1.01E-07	8.31E-07	1.78E-06	1.15E-07	9.26E-07	2.02E-06	1.21E-07	9.92E-07	2.15E-06	1.01E-07	8.10E-07	1.75E-06
7,935	2.26E-07	1.80E-06	3.88E-06	1.81E-07	1.50E-06	3.17E-06	9.20E-08	7.55E-07	1.62E-06	1.01E-07	8.31E-07	1.78E-06	1.14E-07	9.25E-07	2.02E-06	1.21E-07	9.91E-07	2.15E-06	1.01E-07	8.10E-07	1.75E-06
7,936	2.25E-07	1.79E-06	3.88E-06	1.81E-07	1.50E-06	3.17E-06	9.20E-08	7.55E-07	1.62E-06	1.00E-07	8.31E-07	1.78E-06	1.14E-07	9.25E-07	2.02E-06	1.21E-07	9.91E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,937	2.25E-07	1.79E-06	3.87E-06	1.81E-07	1.50E-06	3.17E-06	9.19E-08	7.55E-07	1.62E-06	1.00E-07	8.31E-07	1.78E-06	1.14E-07	9.25E-07	2.02E-06	1.21E-07	9.91E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,938	2.25E-07	1.79E-06	3.87E-06	1.81E-07	1.50E-06	3.17E-06	9.19E-08	7.54E-07	1.62E-06	1.00E-07	8.31E-07	1.78E-06	1.14E-07	9.24E-07	2.02E-06	1.21E-07	9.91E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,939	2.25E-07	1.79E-06	3.87E-06	1.81E-07	1.50E-06	3.17E-06	9.19E-08	7.54E-07	1.62E-06	1.00E-07	8.30E-07	1.77E-06	1.14E-07	9.24E-07	2.02E-06	1.21E-07	9.91E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,940	2.25E-07	1.79E-06	3.87E-06	1.81E-07	1.50E-06	3.16E-06	9.19E-08	7.54E-07	1.61E-06	9.99E-08	8.29E-07	1.77E-06	1.14E-07	9.24E-07	2.02E-06	1.21E-07	9.91E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,941	2.25E-07	1.78E-06	3.87E-06	1.81E-07	1.49E-06	3.16E-06	9.18E-08	7.54E-07	1.61E-06	9.99E-08	8.28E-07	1.77E-06	1.14E-07	9.23E-07	2.02E-06	1.20E-07	9.90E-07	2.14E-06	1.01E-07	8.09E-07	1.75E-06
7,942	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.18E-08	7.53E-07	1.61E-06	9.99E-08	8.28E-07	1.77E-06	1.14E-07	9.23E-07	2.02E-06	1.20E-07	9.90E-07	2.14E-06	1.01E-07	8.08E-07	1.75E-06
7,943	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.18E-08	7.53E-07	1.61E-06	9.98E-08	8.28E-07	1.77E-06	1.14E-07	9.23E-07	2.02E-06	1.20E-07	9.88E-07	2.14E-06	1.01E-07	8.08E-07	1.75E-06
7,944	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.18E-08	7.53E-07	1.61E-06	9.98E-08	8.28E-07	1.77E-06	1.14E-07	9.23E-07	2.01E-06	1.20E-07	9.87E-07	2.14E-06	1.01E-07	8.08E-07	1.75E-06
7,945	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.18E-08	7.53E-07	1.61E-06	9.98E-08	8.28E-07	1.77E-06	1.14E-07	9.22E-07	2.01E-06	1.20E-07	9.87E-07	2.13E-06	1.01E-07	8.08E-07	1.75E-06
7,946	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.18E-08	7.53E-07	1.61E-06	9.97E-08	8.28E-07	1.77E-06	1.14E-07	9.21E-07	2.01E-06	1.20E-07	9.86E-07	2.13E-06	1.01E-07	8.08E-07	1.75E-06
7,947	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.17E-08	7.53E-07	1.61E-06	9.97E-08	8.28E-07	1.77E-06	1.14E-07	9.20E-07	2.01E-06	1.20E-07	9.85E-07	2.13E-06	1.01E-07	8.08E-07	1.75E-06
7,948	2.25E-07	1.78E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.17E-08	7.52E-07	1.61E-06	9.97E-08	8.28E-07	1.77E-06	1.14E-07	9.20E-07	2.01E-06	1.20E-07	9.83E-07	2.13E-06	1.01E-07	8.07E-07	1.75E-06
7,949	2.25E-07	1.77E-06	3.86E-06	1.80E-07	1.49E-06	3.16E-06	9.16E-08	7.52E-07	1.61E-06	9.96E-08	8.27E-07	1.77E-06	1.14E-07	9.20E-07	2.01E-06	1.20E-07	9.82E-07	2.13E-06	1.01E-07	8.07E-07	1.74E-06
7,950	2.25E-07	1.77E-06	3.85E-06	1.80E-07	1.49E-06	3.15E-06	9.15E-08	7.52E-07	1.61E-06	9.95E-08	8.27E-07	1.77E-06	1.14E-07	9.19E-07	2.01E-06	1.20E-07	9.81E-07	2.13E-06	1.01E-07	8.06E-07	1.74E-06
7,951	2.24E-07	1.77E-06	3.85E-06	1.80E-07	1.49E-06	3.15E-06	9.15E-08	7.52E-07	1.61E-06	9.95E-08	8.26E-07	1.77E-06	1.14E-07	9.19E-07	2.01E-06	1.20E-07	9.81E-07	2.13E-06	1.01E-07	8.06E-07	1.74E-06
7,952	2.24E-07	1.77E-06	3.85E-06	1.80E-07	1.49E-06	3.15E-06	9.15E-08	7.52E-07	1.61E-06	9.95E-08	8.25E-07	1.77E-06	1.14E-07	9.19E-07	2.01E-06	1.20E-07	9.81E-07	2.13E-06	1.01E-07	8.06E-07	1.74E-06
7,953	2.24E-07	1.77E-06	3.85E-06	1.80E-07	1.49E-06	3.15E-06	9.15E-08	7.51E-07	1.61E-06	9.94E-08	8.25E-07	1.77E-06	1.14E-07	9.18E-07	2.01E-06	1.20E-07	9.81E-07	2.13E-06	1.01E-07	8.05E-07	1.74E-06
7,954	2.24E-07	1.77E-06	3.84E-06	1.80E-07	1.49E-06	3.15E-06	9.15E-08	7.51E-07	1.61E-06	9.94E-08	8.24E-07	1.77E-06	1.14E-07	9.18E-07	2.01E-06	1.20E-07	9.80E-07	2.13E-06	1.00E-07	8.05E-07	1.74E-06
7,955	2.24E-07	1.77E-06	3.84E-06	1.80E-07	1.49E-06	3.15E-06	9.14E-08	7.51E-07	1.61E-06	9.94E-08	8.24E-07	1.76E-06	1.14E-07	9.18E-07	2.01E-06	1.20E-07	9.80E-07	2.13E-06	1.00E-07	8.05E-07	1.74E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,976	2.21E-07	1.76E-06	3.80E-06	1.77E-07	1.48E-06	3.12E-06	9.07E-08	7.44E-07	1.59E-06	9.85E-08	8.18E-07	1.75E-06	1.13E-07	9.07E-07	1.99E-06	1.18E-07	9.72E-07	2.11E-06	9.99E-08	8.02E-07	1.72E-06
7,977	2.20E-07	1.76E-06	3.80E-06	1.77E-07	1.48E-06	3.12E-06	9.07E-08	7.44E-07	1.59E-06	9.84E-08	8.17E-07	1.75E-06	1.13E-07	9.06E-07	1.99E-06	1.18E-07	9.72E-07	2.11E-06	9.99E-08	8.01E-07	1.72E-06
7,978	2.20E-07	1.76E-06	3.79E-06	1.77E-07	1.48E-06	3.12E-06	9.07E-08	7.43E-07	1.59E-06	9.84E-08	8.17E-07	1.75E-06	1.13E-07	9.06E-07	1.99E-06	1.18E-07	9.71E-07	2.11E-06	9.99E-08	8.01E-07	1.72E-06
7,979	2.20E-07	1.76E-06	3.79E-06	1.77E-07	1.48E-06	3.12E-06	9.06E-08	7.43E-07	1.59E-06	9.84E-08	8.17E-07	1.75E-06	1.13E-07	9.06E-07	1.99E-06	1.18E-07	9.71E-07	2.11E-06	9.99E-08	8.01E-07	1.72E-06
7,980	2.20E-07	1.76E-06	3.79E-06	1.77E-07	1.48E-06	3.12E-06	9.05E-08	7.43E-07	1.59E-06	9.83E-08	8.16E-07	1.75E-06	1.13E-07	9.06E-07	1.99E-06	1.18E-07	9.70E-07	2.11E-06	9.99E-08	8.01E-07	1.72E-06
7,981	2.20E-07	1.76E-06	3.79E-06	1.77E-07	1.48E-06	3.12E-06	9.05E-08	7.43E-07	1.59E-06	9.82E-08	8.16E-07	1.75E-06	1.13E-07	9.05E-07	1.99E-06	1.18E-07	9.70E-07	2.11E-06	9.98E-08	8.01E-07	1.72E-06
7,982	2.20E-07	1.75E-06	3.79E-06	1.77E-07	1.48E-06	3.11E-06	9.05E-08	7.43E-07	1.59E-06	9.82E-08	8.15E-07	1.75E-06	1.13E-07	9.05E-07	1.99E-06	1.18E-07	9.70E-07	2.11E-06	9.96E-08	8.00E-07	1.72E-06
7,983	2.19E-07	1.75E-06	3.79E-06	1.77E-07	1.48E-06	3.11E-06	9.05E-08	7.43E-07	1.59E-06	9.81E-08	8.15E-07	1.75E-06	1.13E-07	9.03E-07	1.99E-06	1.18E-07	9.70E-07	2.11E-06	9.96E-08	7.99E-07	1.72E-06
7,984	2.19E-07	1.75E-06	3.78E-06	1.77E-07	1.48E-06	3.11E-06	9.05E-08	7.42E-07	1.59E-06	9.80E-08	8.15E-07	1.75E-06	1.13E-07	9.03E-07	1.99E-06	1.18E-07	9.68E-07	2.11E-06	9.95E-08	7.99E-07	1.72E-06
7,985	2.19E-07	1.75E-06	3.78E-06	1.77E-07	1.47E-06	3.11E-06	9.05E-08	7.42E-07	1.59E-06	9.80E-08	8.14E-07	1.75E-06	1.13E-07	9.03E-07	1.98E-06	1.18E-07	9.68E-07	2.11E-06	9.95E-08	7.98E-07	1.72E-06
7,986	2.19E-07	1.75E-06	3.78E-06	1.77E-07	1.47E-06	3.10E-06	9.05E-08	7.41E-07	1.59E-06	9.80E-08	8.14E-07	1.75E-06	1.13E-07	9.02E-07	1.98E-06	1.18E-07	9.67E-07	2.11E-06	9.95E-08	7.98E-07	1.72E-06
7,987	2.19E-07	1.75E-06	3.78E-06	1.77E-07	1.47E-06	3.10E-06	9.04E-08	7.41E-07	1.59E-06	9.80E-08	8.13E-07	1.75E-06	1.13E-07	9.01E-07	1.98E-06	1.18E-07	9.66E-07	2.10E-06	9.95E-08	7.97E-07	1.72E-06
7,988	2.19E-07	1.75E-06	3.77E-06	1.77E-07	1.47E-06	3.10E-06	9.04E-08	7.40E-07	1.58E-06	9.79E-08	8.13E-07	1.75E-06	1.13E-07	9.01E-07	1.98E-06	1.18E-07	9.66E-07	2.10E-06	9.95E-08	7.97E-07	1.72E-06
7,989	2.19E-07	1.75E-06	3.77E-06	1.77E-07	1.47E-06	3.10E-06	9.02E-08	7.40E-07	1.58E-06	9.78E-08	8.13E-07	1.75E-06	1.13E-07	9.00E-07	1.98E-06	1.18E-07	9.66E-07	2.10E-06	9.94E-08	7.96E-07	1.72E-06
7,990	2.19E-07	1.75E-06	3.76E-06	1.77E-07	1.47E-06	3.10E-06	9.02E-08	7.40E-07	1.58E-06	9.78E-08	8.12E-07	1.74E-06	1.13E-07	9.00E-07	1.98E-06	1.18E-07	9.64E-07	2.10E-06	9.94E-08	7.95E-07	1.72E-06
7,991	2.19E-07	1.75E-06	3.76E-06	1.77E-07	1.47E-06	3.10E-06	9.02E-08	7.40E-07	1.58E-06	9.78E-08	8.11E-07	1.74E-06	1.12E-07	9.00E-07	1.98E-06	1.18E-07	9.64E-07	2.10E-06	9.94E-08	7.95E-07	1.72E-06
7,992	2.19E-07	1.74E-06	3.76E-06	1.77E-07	1.47E-06	3.09E-06	9.02E-08	7.40E-07	1.58E-06	9.77E-08	8.10E-07	1.74E-06	1.12E-07	8.99E-07	1.98E-06	1.17E-07	9.63E-07	2.09E-06	9.94E-08	7.95E-07	1.72E-06
7,993	2.19E-07	1.74E-06	3.75E-06	1.77E-07	1.47E-06	3.09E-06	9.00E-08	7.40E-07	1.58E-06	9.77E-08	8.10E-07	1.74E-06	1.12E-07	8.98E-07	1.98E-06	1.17E-07	9.63E-07	2.09E-06	9.94E-08	7.94E-07	1.72E-06
7,994	2.19E-07	1.74E-06	3.75E-06	1.77E-07	1.47E-06	3.09E-06	9.00E-08	7.39E-07	1.58E-06	9.76E-08	8.10E-07	1.74E-06	1.12E-07	8.97E-07	1.98E-06	1.17E-07	9.63E-07	2.09E-06	9.93E-08	7.94E-07	1.72E-06
7,995	2.18E-07	1.74E-06	3.75E-06	1.77E-07	1.47E-06	3.09E-06	9.00E-08	7.39E-07	1.58E-06	9.76E-08	8.10E-07	1.74E-06	1.12E-07	8.97E-07	1.98E-06	1.17E-07	9.61E-07	2.09E-06	9.92E-08	7.93E-07	1.72E-06
7,996	2.18E-07	1.74E-06	3.75E-06	1.76E-07	1.47E-06	3.09E-06	9.00E-08	7.39E-07	1.58E-06	9.75E-08	8.09E-07	1.74E-06	1.12E-07	8.97E-07	1.98E-06	1.17E-07	9.60E-07	2.09E-06	9.91E-08	7.93E-07	1.72E-06
7,997	2.18E-07	1.74E-06	3.75E-06	1.76E-07	1.46E-06	3.09E-06	9.00E-08	7.39E-07	1.58E-06	9.75E-08	8.08E-07	1.74E-06	1.12E-07	8.97E-07	1.98E-06	1.17E-07	9.60E-07	2.09E-06	9.91E-08	7.93E-07	1.72E-06
7,998	2.18E-07	1.74E-06	3.75E-06	1.76E-07	1.46E-06	3.09E-06	8.99E-08	7.38E-07	1.58E-06	9.74E-08	8.08E-07	1.74E-06	1.12E-07	8.97E-07	1.98E-06	1.17E-07	9.59E-07	2.09E-06	9.90E-08	7.93E-07	1.71E-06
7,999	2.18E-07	1.74E-06	3.75E-06	1.76E-07	1.46E-06	3.09E-06	8.99E-08	7.38E-07	1.58E-06	9.73E-08	8.08E-07	1.74E-06	1.12E-07	8.97E-07	1.97E-06	1.17E-07	9.58E-07	2.09E-06	9.90E-08	7.93E-07	1.71E-06
8,000	2.18E-07	1.74E-06	3.75E-06	1.76E-07	1.46E-06	3.09E-06	8.99E-08	7.38E-07	1.58E-06	9.73E-08	8.08E-07	1.74E-06	1.12E-07	8.96E-07	1.97E-06	1.17E-07	9.58E-07	2.09E-06	9.90E-08	7.93E-07	1.71E-06
8,001	2.18E-07	1.74E-06	3.74E-06	1.76E-07	1.46E-06	3.09E-06	8.99E-08	7.37E-07	1.57E-06	9.73E-08	8.08E-07	1.74E-06	1.12E-07	8.96E-07	1.97E-06	1.17E-07	9.57E-07	2.09E-06	9.89E-08	7.92E-07	1.71E-06
8,002	2.18E-07	1.74E-06	3.74E-06	1.76E-07	1.46E-06	3.08E-06	8.98E-08	7.37E-07	1.57E-06	9.72E-08	8.08E-07	1.74E-06	1.12E-07	8.96E-07	1.97E-06	1.17E-07	9.57E-07	2.09E-06	9.89E-08	7.92E-07	1.71E-06
8,003	2.18E-07	1.74E-06	3.73E-06	1.76E-07	1.46E-06	3.08E-06	8.98E-08	7.37E-07	1.57E-06	9.72E-08	8.08E-07	1.73E-06	1.12E-07	8.95E-07	1.97E-06	1.17E-07	9.56E-07	2.09E-06	9.89E-08	7.92E-07	1.71E-06
8,004	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.08E-06	8.97E-08	7.36E-07	1.57E-06	9.72E-08	8.07E-07	1.73E-06	1.12E-07	8.95E-07	1.97E-06	1.17E-07	9.56E-07	2.09E-06	9.88E-08	7.91E-07	1.71E-06
8,005	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.07E-06	8.97E-08	7.36E-07	1.57E-06	9.71E-08	8.07E-07	1.73E-06	1.12E-07	8.94E-07	1.97E-06	1.17E-07	9.56E-07	2.09E-06	9.87E-08	7.91E-07	1.71E-06
8,006	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.07E-06	8.97E-08	7.35E-07	1.57E-06	9.71E-08	8.07E-07	1.73E-06	1.12E-07	8.94E-07	1.97E-06	1.17E-07	9.56E-07	2.09E-06	9.86E-08	7.91E-07	1.71E-06
8,007	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.07E-06	8.97E-08	7.35E-07	1.57E-06	9.71E-08	8.07E-07	1.73E-06	1.12E-07	8.94E-07	1.97E-06	1.17E-07	9.55E-07	2.09E-06	9.86E-08	7.91E-07	1.71E-06
8,008	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.07E-06	8.96E-08	7.35E-07	1.57E-06	9.70E-08	8.06E-07	1.73E-06	1.12E-07	8.93E-07	1.97E-06	1.17E-07	9.55E-07	2.09E-06	9.86E-08	7.90E-07	1.71E-06
8,009	2.17E-07	1.73E-06	3.73E-06	1.76E-07	1.46E-06	3.07E-06	8.96E-08	7.34E-07	1.57E-06	9.70E-08	8.06E-07	1.73E-06	1.11E-07	8.93E-07	1.97E-06	1.17E-07	9.55E-07	2.09E-06	9.86E-08	7.90E-07	1.71E-06
8,010	2.17E-07	1.73E-06	3.73E-06	1.75E-07	1.46E-06	3.07E-06	8.96E-08	7.34E-07	1.57E-06	9.69E-08	8.06E-07	1.73E-06	1.11E-07	8.92E-07	1.97E-06	1.17E-07	9.54E-07	2.09E-06	9.86E-08	7.90E-07	1.71E-06
8,011	2.17E-07	1.73E-06	3.72E-06	1.75E-07	1.46E-06	3.07E-06	8.95E-08	7.34E-07	1.57E-06	9.69E-08	8.05E-07	1.73E-06	1.11E-07	8.92E-07	1.97E-06	1.17E-07	9.52E-07	2.09E-06	9.86E-08	7.90E-07	1.71E-06
8,012	2.17E-07	1.73E-06	3.72E-06	1.75E-07	1.45E-06	3.07E-06	8.95E-08	7.34E-07	1.57E-06	9.69E-08	8.05E-07	1.73E-06	1.11E-07	8.92E-07	1.96E-06	1.17E-07	9.52E-07	2.08E-06	9.85E-08	7.90E-07	1.71E-06
8,013	2.17E-07	1.72E-06	3.72E-06	1.75E-07	1.45E-06	3.07E-06	8.95E-08	7.34E-07	1.57E-06	9.68E-08	8.05E-07	1.73E-06	1.11E-07	8.92E-07	1.96E-06	1.17E-07	9.52E-07	2.08E-06	9.85E-08	7.90E-07	1.70E-06
8,014	2.17E-07	1.72E-06	3.71E-06	1.75E-07	1.45E-06	3.07E-06	8.95E-08	7.34E-07	1.57E-06	9.65E-08	8.05E-07	1.73E-06	1.11E-07	8.91E-07	1.96E-06	1.17E-07	9.52E-07	2.08E-06	9.84E-08	7.90E-07	1.70E-06
8,015	2.17E-07	1.72E-06	3.71E-06	1.75E-07	1.45E-06	3.07E-06	8.94E-08	7.33E-07	1.57E-06	9.64E-08	8.04E-07	1.73E-06	1.11E-07	8.91E-07	1.96E-06	1.16E-07	9.52E-07	2.08E-06	9.84E-08	7.89E-07	1.70E-06
8,016	2.17E-07	1.72E-06	3.71E-06	1.75E-07	1.45E-06	3.06E-06	8.93E-08	7.33E-07	1.57E-06	9.62E-08	8.04E-07	1.73E-06	1.11E-07	8.91E-07	1.96E-06	1.16E-07	9.51E-07	2.08E-06	9.84E-08	7.89E-07	1.70E-06
8,017	2.16E-07	1.72E-06	3.71E-06	1.75E-07	1.45E-06	3.06E-06	8.93E-08	7.32E-07	1.57E-06	9.62E-08	8.04E-07	1.73E-06	1.11E-07	8.90E-07	1.96E-06	1.16E-07	9.51E-07	2.08E-06	9.84E-08	7.89E-07	1.70E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,038	2.15E-07	1.70E-06	3.68E-06	1.73E-07	1.44E-06	3.04E-06	8.87E-08	7.26E-07	1.55E-06	9.53E-08	7.97E-07	1.72E-06	1.11E-07	8.83E-07	1.94E-06	1.16E-07	9.40E-07	2.06E-06	9.74E-08	7.83E-07	1.69E-06
8,039	2.14E-07	1.70E-06	3.68E-06	1.73E-07	1.44E-06	3.03E-06	8.87E-08	7.25E-07	1.55E-06	9.53E-08	7.96E-07	1.72E-06	1.10E-07	8.82E-07	1.94E-06	1.15E-07	9.40E-07	2.06E-06	9.73E-08	7.82E-07	1.69E-06
8,040	2.14E-07	1.70E-06	3.68E-06	1.73E-07	1.44E-06	3.03E-06	8.86E-08	7.25E-07	1.55E-06	9.53E-08	7.96E-07	1.72E-06	1.10E-07	8.81E-07	1.94E-06	1.15E-07	9.40E-07	2.05E-06	9.73E-08	7.82E-07	1.69E-06
8,041	2.14E-07	1.70E-06	3.68E-06	1.72E-07	1.44E-06	3.03E-06	8.86E-08	7.25E-07	1.55E-06	9.53E-08	7.96E-07	1.72E-06	1.10E-07	8.80E-07	1.93E-06	1.15E-07	9.39E-07	2.05E-06	9.73E-08	7.82E-07	1.69E-06
8,042	2.14E-07	1.70E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.86E-08	7.25E-07	1.55E-06	9.52E-08	7.95E-07	1.72E-06	1.10E-07	8.80E-07	1.93E-06	1.15E-07	9.39E-07	2.05E-06	9.72E-08	7.82E-07	1.69E-06
8,043	2.14E-07	1.70E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.84E-08	7.24E-07	1.55E-06	9.52E-08	7.95E-07	1.71E-06	1.10E-07	8.80E-07	1.93E-06	1.15E-07	9.39E-07	2.05E-06	9.72E-08	7.81E-07	1.69E-06
8,044	2.14E-07	1.70E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.83E-08	7.24E-07	1.55E-06	9.52E-08	7.95E-07	1.71E-06	1.10E-07	8.79E-07	1.93E-06	1.15E-07	9.38E-07	2.05E-06	9.72E-08	7.81E-07	1.69E-06
8,045	2.14E-07	1.70E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.83E-08	7.24E-07	1.55E-06	9.51E-08	7.94E-07	1.71E-06	1.10E-07	8.79E-07	1.93E-06	1.15E-07	9.38E-07	2.05E-06	9.71E-08	7.81E-07	1.69E-06
8,046	2.14E-07	1.69E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.83E-08	7.24E-07	1.55E-06	9.51E-08	7.94E-07	1.71E-06	1.10E-07	8.78E-07	1.93E-06	1.15E-07	9.38E-07	2.05E-06	9.71E-08	7.80E-07	1.69E-06
8,047	2.14E-07	1.69E-06	3.67E-06	1.72E-07	1.44E-06	3.03E-06	8.82E-08	7.24E-07	1.55E-06	9.51E-08	7.93E-07	1.71E-06	1.10E-07	8.78E-07	1.93E-06	1.15E-07	9.38E-07	2.05E-06	9.71E-08	7.80E-07	1.68E-06
8,048	2.14E-07	1.69E-06	3.66E-06	1.72E-07	1.44E-06	3.03E-06	8.81E-08	7.23E-07	1.55E-06	9.51E-08	7.93E-07	1.71E-06	1.10E-07	8.78E-07	1.93E-06	1.15E-07	9.38E-07	2.05E-06	9.70E-08	7.79E-07	1.68E-06
8,049	2.14E-07	1.69E-06	3.66E-06	1.72E-07	1.44E-06	3.03E-06	8.81E-08	7.23E-07	1.55E-06	9.51E-08	7.92E-07	1.71E-06	1.10E-07	8.78E-07	1.92E-06	1.15E-07	9.38E-07	2.04E-06	9.69E-08	7.79E-07	1.68E-06
8,050	2.14E-07	1.69E-06	3.66E-06	1.72E-07	1.44E-06	3.02E-06	8.81E-08	7.23E-07	1.55E-06	9.50E-08	7.92E-07	1.71E-06	1.10E-07	8.78E-07	1.92E-06	1.15E-07	9.38E-07	2.04E-06	9.69E-08	7.78E-07	1.68E-06
8,051	2.14E-07	1.69E-06	3.66E-06	1.72E-07	1.44E-06	3.02E-06	8.81E-08	7.22E-07	1.55E-06	9.50E-08	7.91E-07	1.71E-06	1.10E-07	8.77E-07	1.92E-06	1.15E-07	9.37E-07	2.04E-06	9.69E-08	7.78E-07	1.68E-06
8,052	2.14E-07	1.69E-06	3.66E-06	1.71E-07	1.43E-06	3.02E-06	8.80E-08	7.22E-07	1.55E-06	9.50E-08	7.91E-07	1.71E-06	1.10E-07	8.77E-07	1.92E-06	1.15E-07	9.37E-07	2.04E-06	9.68E-08	7.78E-07	1.68E-06
8,053	2.14E-07	1.69E-06	3.66E-06	1.71E-07	1.43E-06	3.02E-06	8.80E-08	7.22E-07	1.55E-06	9.49E-08	7.91E-07	1.71E-06	1.10E-07	8.76E-07	1.92E-06	1.15E-07	9.35E-07	2.04E-06	9.68E-08	7.78E-07	1.68E-06
8,054	2.14E-07	1.69E-06	3.66E-06	1.71E-07	1.43E-06	3.02E-06	8.80E-08	7.22E-07	1.55E-06	9.49E-08	7.91E-07	1.71E-06	1.10E-07	8.76E-07	1.92E-06	1.15E-07	9.35E-07	2.04E-06	9.68E-08	7.77E-07	1.68E-06
8,055	2.14E-07	1.69E-06	3.66E-06	1.71E-07	1.43E-06	3.02E-06	8.79E-08	7.21E-07	1.55E-06	9.48E-08	7.91E-07	1.71E-06	1.10E-07	8.76E-07	1.92E-06	1.15E-07	9.35E-07	2.04E-06	9.68E-08	7.77E-07	1.68E-06
8,056	2.14E-07	1.68E-06	3.66E-06	1.71E-07	1.43E-06	3.02E-06	8.79E-08	7.21E-07	1.55E-06	9.46E-08	7.90E-07	1.71E-06	1.10E-07	8.75E-07	1.92E-06	1.15E-07	9.34E-07	2.04E-06	9.67E-08	7.77E-07	1.68E-06
8,057	2.14E-07	1.68E-06	3.65E-06	1.71E-07	1.43E-06	3.02E-06	8.79E-08	7.21E-07	1.54E-06	9.46E-08	7.90E-07	1.70E-06	1.10E-07	8.75E-07	1.92E-06	1.15E-07	9.34E-07	2.04E-06	9.67E-08	7.77E-07	1.68E-06
8,058	2.13E-07	1.68E-06	3.65E-06	1.71E-07	1.43E-06	3.02E-06	8.79E-08	7.21E-07	1.54E-06	9.46E-08	7.90E-07	1.70E-06	1.10E-07	8.75E-07	1.92E-06	1.15E-07	9.33E-07	2.04E-06	9.66E-08	7.77E-07	1.68E-06
8,059	2.13E-07	1.68E-06	3.65E-06	1.71E-07	1.43E-06	3.01E-06	8.78E-08	7.20E-07	1.54E-06	9.45E-08	7.90E-07	1.70E-06	1.10E-07	8.75E-07	1.92E-06	1.15E-07	9.33E-07	2.04E-06	9.64E-08	7.77E-07	1.68E-06
8,060	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.77E-08	7.20E-07	1.54E-06	9.45E-08	7.89E-07	1.70E-06	1.10E-07	8.74E-07	1.92E-06	1.15E-07	9.33E-07	2.04E-06	9.63E-08	7.76E-07	1.68E-06
8,061	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.76E-08	7.19E-07	1.54E-06	9.44E-08	7.89E-07	1.70E-06	1.09E-07	8.74E-07	1.92E-06	1.15E-07	9.33E-07	2.04E-06	9.63E-08	7.76E-07	1.68E-06
8,062	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.76E-08	7.18E-07	1.54E-06	9.43E-08	7.88E-07	1.70E-06	1.09E-07	8.74E-07	1.92E-06	1.15E-07	9.32E-07	2.04E-06	9.62E-08	7.76E-07	1.68E-06
8,063	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.76E-08	7.18E-07	1.54E-06	9.43E-08	7.88E-07	1.70E-06	1.09E-07	8.73E-07	1.91E-06	1.15E-07	9.32E-07	2.03E-06	9.62E-08	7.76E-07	1.68E-06
8,064	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.76E-08	7.18E-07	1.54E-06	9.43E-08	7.88E-07	1.70E-06	1.09E-07	8.72E-07	1.91E-06	1.15E-07	9.32E-07	2.03E-06	9.62E-08	7.75E-07	1.68E-06
8,065	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.01E-06	8.76E-08	7.18E-07	1.54E-06	9.42E-08	7.88E-07	1.70E-06	1.09E-07	8.72E-07	1.91E-06	1.15E-07	9.31E-07	2.03E-06	9.61E-08	7.75E-07	1.68E-06
8,066	2.13E-07	1.68E-06	3.65E-06	1.70E-07	1.43E-06	3.00E-06	8.76E-08	7.18E-07	1.54E-06	9.42E-08	7.88E-07	1.70E-06	1.09E-07	8.69E-07	1.91E-06	1.15E-07	9.30E-07	2.03E-06	9.61E-08	7.74E-07	1.67E-06
8,067	2.13E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.74E-08	7.17E-07	1.54E-06	9.41E-08	7.87E-07	1.70E-06	1.09E-07	8.69E-07	1.91E-06	1.15E-07	9.30E-07	2.03E-06	9.60E-08	7.74E-07	1.67E-06
8,068	2.12E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.74E-08	7.17E-07	1.54E-06	9.41E-08	7.87E-07	1.70E-06	1.09E-07	8.68E-07	1.91E-06	1.15E-07	9.29E-07	2.03E-06	9.60E-08	7.73E-07	1.67E-06
8,069	2.12E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.74E-08	7.17E-07	1.54E-06	9.41E-08	7.87E-07	1.70E-06	1.09E-07	8.68E-07	1.91E-06	1.14E-07	9.29E-07	2.03E-06	9.60E-08	7.73E-07	1.67E-06
8,070	2.12E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.74E-08	7.17E-07	1.54E-06	9.41E-08	7.86E-07	1.70E-06	1.09E-07	8.68E-07	1.91E-06	1.14E-07	9.28E-07	2.03E-06	9.60E-08	7.73E-07	1.67E-06
8,071	2.12E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.74E-08	7.16E-07	1.54E-06	9.41E-08	7.86E-07	1.70E-06	1.09E-07	8.68E-07	1.91E-06	1.14E-07	9.26E-07	2.03E-06	9.60E-08	7.72E-07	1.67E-06
8,072	2.12E-07	1.68E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.73E-08	7.16E-07	1.54E-06	9.40E-08	7.86E-07	1.70E-06	1.09E-07	8.68E-07	1.91E-06	1.14E-07	9.26E-07	2.03E-06	9.59E-08	7.72E-07	1.67E-06
8,073	2.12E-07	1.67E-06	3.64E-06	1.70E-07	1.42E-06	3.00E-06	8.73E-08	7.16E-07	1.54E-06	9.40E-08	7.86E-07	1.70E-06	1.09E-07	8.67E-07	1.91E-06	1.14E-07	9.26E-07	2.03E-06	9.59E-08	7.72E-07	1.67E-06
8,074	2.12E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	3.00E-06	8.73E-08	7.16E-07	1.54E-06	9.40E-08	7.86E-07	1.70E-06	1.09E-07	8.67E-07	1.90E-06	1.14E-07	9.26E-07	2.03E-06	9.58E-08	7.72E-07	1.67E-06
8,075	2.11E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	2.99E-06	8.72E-08	7.15E-07	1.54E-06	9.40E-08	7.85E-07	1.70E-06	1.09E-07	8.67E-07	1.90E-06	1.14E-07	9.26E-07	2.03E-06	9.58E-08	7.71E-07	1.67E-06
8,076	2.11E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	2.99E-06	8.72E-08	7.15E-07	1.54E-06	9.39E-08	7.85E-07	1.70E-06	1.09E-07	8.67E-07	1.90E-06	1.14E-07	9.26E-07	2.03E-06	9.57E-08	7.71E-07	1.67E-06
8,077	2.11E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	2.98E-06	8.72E-08	7.15E-07	1.53E-06	9.38E-08	7.85E-07	1.70E-06	1.09E-07	8.66E-07	1.90E-06	1.14E-07	9.26E-07	2.03E-06	9.57E-08	7.71E-07	1.67E-06
8,078	2.11E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	2.98E-06	8.71E-08	7.15E-07	1.53E-06	9.38E-08	7.85E-07	1.70E-06	1.09E-07	8.66E-07	1.90E-06	1.14E-07	9.25E-07	2.03E-06	9.56E-08	7.71E-07	1.67E-06
8,079	2.11E-07	1.67E-06	3.63E-06	1.70E-07	1.42E-06	2.98E-06	8.71E-08	7.14E-07	1.53E-06	9.37E-08	7.84E-07	1.70E-06	1.09E-07	8.66E-07	1.90E-06	1.14E-07	9.25E-07	2.02E-06	9.56E-08	7.71E-07	1.67E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,100	2.09E-07	1.66E-06	3.60E-06	1.68E-07	1.40E-06	2.95E-06	8.65E-08	7.08E-07	1.52E-06	9.31E-08	7.79E-07	1.68E-06	1.08E-07	8.56E-07	1.88E-06	1.13E-07	9.20E-07	2.01E-06	9.50E-08	7.65E-07	1.66E-06
8,101	2.09E-07	1.66E-06	3.60E-06	1.68E-07	1.40E-06	2.95E-06	8.65E-08	7.08E-07	1.52E-06	9.30E-08	7.78E-07	1.68E-06	1.08E-07	8.56E-07	1.88E-06	1.13E-07	9.19E-07	2.01E-06	9.49E-08	7.65E-07	1.66E-06
8,102	2.09E-07	1.65E-06	3.60E-06	1.68E-07	1.40E-06	2.94E-06	8.64E-08	7.08E-07	1.51E-06	9.30E-08	7.78E-07	1.68E-06	1.08E-07	8.54E-07	1.88E-06	1.13E-07	9.19E-07	2.01E-06	9.49E-08	7.64E-07	1.66E-06
8,103	2.09E-07	1.65E-06	3.60E-06	1.68E-07	1.40E-06	2.94E-06	8.64E-08	7.08E-07	1.51E-06	9.30E-08	7.78E-07	1.68E-06	1.08E-07	8.54E-07	1.88E-06	1.13E-07	9.19E-07	2.01E-06	9.49E-08	7.64E-07	1.66E-06
8,104	2.09E-07	1.65E-06	3.60E-06	1.68E-07	1.40E-06	2.93E-06	8.64E-08	7.07E-07	1.51E-06	9.30E-08	7.78E-07	1.68E-06	1.08E-07	8.53E-07	1.88E-06	1.13E-07	9.19E-07	2.01E-06	9.48E-08	7.64E-07	1.66E-06
8,105	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.93E-06	8.64E-08	7.07E-07	1.51E-06	9.29E-08	7.77E-07	1.68E-06	1.08E-07	8.53E-07	1.88E-06	1.13E-07	9.19E-07	2.01E-06	9.48E-08	7.63E-07	1.66E-06
8,106	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.93E-06	8.63E-08	7.06E-07	1.51E-06	9.29E-08	7.77E-07	1.68E-06	1.08E-07	8.53E-07	1.87E-06	1.13E-07	9.19E-07	2.01E-06	9.47E-08	7.63E-07	1.66E-06
8,107	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.93E-06	8.63E-08	7.06E-07	1.51E-06	9.29E-08	7.76E-07	1.68E-06	1.08E-07	8.53E-07	1.87E-06	1.13E-07	9.19E-07	2.01E-06	9.47E-08	7.63E-07	1.65E-06
8,108	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.93E-06	8.62E-08	7.06E-07	1.51E-06	9.28E-08	7.76E-07	1.68E-06	1.08E-07	8.52E-07	1.87E-06	1.13E-07	9.18E-07	2.01E-06	9.47E-08	7.63E-07	1.65E-06
8,109	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.92E-06	8.62E-08	7.05E-07	1.51E-06	9.28E-08	7.76E-07	1.68E-06	1.07E-07	8.52E-07	1.87E-06	1.13E-07	9.18E-07	2.01E-06	9.46E-08	7.63E-07	1.65E-06
8,110	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.92E-06	8.61E-08	7.05E-07	1.51E-06	9.28E-08	7.76E-07	1.68E-06	1.07E-07	8.51E-07	1.87E-06	1.13E-07	9.17E-07	2.00E-06	9.46E-08	7.63E-07	1.65E-06
8,111	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.92E-06	8.61E-08	7.04E-07	1.51E-06	9.28E-08	7.76E-07	1.68E-06	1.07E-07	8.51E-07	1.87E-06	1.13E-07	9.17E-07	2.00E-06	9.45E-08	7.63E-07	1.65E-06
8,112	2.08E-07	1.65E-06	3.59E-06	1.68E-07	1.40E-06	2.92E-06	8.60E-08	7.04E-07	1.51E-06	9.27E-08	7.75E-07	1.68E-06	1.07E-07	8.50E-07	1.87E-06	1.13E-07	9.16E-07	2.00E-06	9.45E-08	7.63E-07	1.65E-06
8,113	2.08E-07	1.65E-06	3.59E-06	1.67E-07	1.40E-06	2.92E-06	8.60E-08	7.04E-07	1.51E-06	9.26E-08	7.75E-07	1.68E-06	1.07E-07	8.50E-07	1.87E-06	1.13E-07	9.16E-07	2.00E-06	9.44E-08	7.62E-07	1.65E-06
8,114	2.08E-07	1.65E-06	3.58E-06	1.67E-07	1.39E-06	2.92E-06	8.60E-08	7.04E-07	1.51E-06	9.26E-08	7.75E-07	1.67E-06	1.07E-07	8.50E-07	1.87E-06	1.12E-07	9.16E-07	2.00E-06	9.43E-08	7.62E-07	1.65E-06
8,115	2.08E-07	1.65E-06	3.58E-06	1.67E-07	1.39E-06	2.92E-06	8.60E-08	7.03E-07	1.50E-06	9.26E-08	7.74E-07	1.67E-06	1.07E-07	8.50E-07	1.87E-06	1.12E-07	9.15E-07	2.00E-06	9.43E-08	7.62E-07	1.65E-06
8,116	2.08E-07	1.64E-06	3.58E-06	1.67E-07	1.39E-06	2.92E-06	8.60E-08	7.03E-07	1.50E-06	9.24E-08	7.73E-07	1.67E-06	1.07E-07	8.49E-07	1.87E-06	1.12E-07	9.15E-07	2.00E-06	9.43E-08	7.61E-07	1.65E-06
8,117	2.08E-07	1.64E-06	3.58E-06	1.67E-07	1.39E-06	2.92E-06	8.60E-08	7.01E-07	1.50E-06	9.23E-08	7.73E-07	1.67E-06	1.07E-07	8.49E-07	1.87E-06	1.12E-07	9.15E-07	1.99E-06	9.43E-08	7.61E-07	1.65E-06
8,118	2.08E-07	1.64E-06	3.58E-06	1.67E-07	1.39E-06	2.91E-06	8.59E-08	7.01E-07	1.50E-06	9.22E-08	7.73E-07	1.67E-06	1.07E-07	8.49E-07	1.87E-06	1.12E-07	9.14E-07	1.99E-06	9.42E-08	7.61E-07	1.65E-06
8,119	2.07E-07	1.64E-06	3.58E-06	1.67E-07	1.39E-06	2.91E-06	8.59E-08	7.01E-07	1.50E-06	9.20E-08	7.72E-07	1.67E-06	1.07E-07	8.48E-07	1.87E-06	1.12E-07	9.13E-07	1.99E-06	9.41E-08	7.60E-07	1.65E-06
8,120	2.07E-07	1.64E-06	3.58E-06	1.67E-07	1.39E-06	2.91E-06	8.59E-08	7.01E-07	1.50E-06	9.20E-08	7.72E-07	1.67E-06	1.07E-07	8.47E-07	1.87E-06	1.12E-07	9.13E-07	1.99E-06	9.41E-08	7.59E-07	1.65E-06
8,121	2.07E-07	1.64E-06	3.57E-06	1.67E-07	1.39E-06	2.91E-06	8.58E-08	7.01E-07	1.50E-06	9.20E-08	7.72E-07	1.67E-06	1.07E-07	8.47E-07	1.87E-06	1.12E-07	9.13E-07	1.99E-06	9.41E-08	7.59E-07	1.65E-06
8,122	2.07E-07	1.64E-06	3.57E-06	1.67E-07	1.39E-06	2.90E-06	8.58E-08	7.01E-07	1.50E-06	9.20E-08	7.72E-07	1.67E-06	1.07E-07	8.47E-07	1.87E-06	1.12E-07	9.12E-07	1.99E-06	9.41E-08	7.58E-07	1.65E-06
8,123	2.06E-07	1.64E-06	3.57E-06	1.67E-07	1.39E-06	2.90E-06	8.57E-08	7.01E-07	1.50E-06	9.20E-08	7.72E-07	1.67E-06	1.07E-07	8.47E-07	1.87E-06	1.12E-07	9.12E-07	1.99E-06	9.40E-08	7.58E-07	1.65E-06
8,124	2.06E-07	1.64E-06	3.57E-06	1.67E-07	1.39E-06	2.90E-06	8.57E-08	7.00E-07	1.50E-06	9.19E-08	7.71E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.12E-07	9.12E-07	1.99E-06	9.40E-08	7.58E-07	1.65E-06
8,125	2.06E-07	1.64E-06	3.57E-06	1.66E-07	1.39E-06	2.90E-06	8.57E-08	7.00E-07	1.50E-06	9.19E-08	7.71E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.12E-07	9.11E-07	1.99E-06	9.40E-08	7.57E-07	1.65E-06
8,126	2.06E-07	1.64E-06	3.57E-06	1.66E-07	1.39E-06	2.90E-06	8.57E-08	7.00E-07	1.50E-06	9.19E-08	7.71E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.12E-07	9.11E-07	1.98E-06	9.38E-08	7.57E-07	1.65E-06
8,127	2.06E-07	1.64E-06	3.57E-06	1.66E-07	1.38E-06	2.90E-06	8.57E-08	6.99E-07	1.50E-06	9.18E-08	7.71E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.12E-07	9.10E-07	1.98E-06	9.38E-08	7.57E-07	1.64E-06
8,128	2.06E-07	1.64E-06	3.57E-06	1.66E-07	1.38E-06	2.89E-06	8.57E-08	6.99E-07	1.50E-06	9.17E-08	7.70E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.11E-07	9.10E-07	1.98E-06	9.37E-08	7.56E-07	1.64E-06
8,129	2.06E-07	1.64E-06	3.57E-06	1.66E-07	1.38E-06	2.89E-06	8.56E-08	6.98E-07	1.50E-06	9.17E-08	7.70E-07	1.67E-06	1.07E-07	8.46E-07	1.86E-06	1.11E-07	9.10E-07	1.98E-06	9.36E-08	7.56E-07	1.64E-06
8,130	2.06E-07	1.64E-06	3.56E-06	1.66E-07	1.38E-06	2.89E-06	8.56E-08	6.98E-07	1.50E-06	9.17E-08	7.69E-07	1.67E-06	1.06E-07	8.45E-07	1.86E-06	1.11E-07	9.08E-07	1.98E-06	9.36E-08	7.56E-07	1.64E-06
8,131	2.06E-07	1.64E-06	3.56E-06	1.66E-07	1.38E-06	2.89E-06	8.56E-08	6.98E-07	1.50E-06	9.17E-08	7.69E-07	1.67E-06	1.06E-07	8.45E-07	1.86E-06	1.11E-07	9.08E-07	1.98E-06	9.35E-08	7.55E-07	1.64E-06
8,132	2.06E-07	1.64E-06	3.56E-06	1.66E-07	1.38E-06	2.89E-06	8.56E-08	6.98E-07	1.50E-06	9.17E-08	7.69E-07	1.67E-06	1.06E-07	8.45E-07	1.86E-06	1.11E-07	9.08E-07	1.98E-06	9.35E-08	7.55E-07	1.64E-06
8,133	2.06E-07	1.64E-06	3.56E-06	1.66E-07	1.38E-06	2.89E-06	8.56E-08	6.98E-07	1.50E-06	9.16E-08	7.67E-07	1.67E-06	1.06E-07	8.44E-07	1.86E-06	1.11E-07	9.07E-07	1.98E-06	9.35E-08	7.54E-07	1.64E-06
8,134	2.06E-07	1.64E-06	3.56E-06	1.65E-07	1.38E-06	2.89E-06	8.55E-08	6.97E-07	1.49E-06	9.16E-08	7.67E-07	1.67E-06	1.06E-07	8.43E-07	1.86E-06	1.11E-07	9.07E-07	1.98E-06	9.34E-08	7.54E-07	1.64E-06
8,135	2.06E-07	1.63E-06	3.56E-06	1.65E-07	1.38E-06	2.88E-06	8.54E-08	6.97E-07	1.49E-06	9.15E-08	7.66E-07	1.66E-06	1.06E-07	8.42E-07	1.86E-06	1.11E-07	9.07E-07	1.98E-06	9.34E-08	7.54E-07	1.64E-06
8,136	2.06E-07	1.63E-06	3.55E-06	1.65E-07	1.38E-06	2.88E-06	8.54E-08	6.96E-07	1.49E-06	9.14E-08	7.66E-07	1.66E-06	1.06E-07	8.42E-07	1.86E-06	1.11E-07	9.07E-07	1.97E-06	9.33E-08	7.53E-07	1.64E-06
8,137	2.06E-07	1.63E-06	3.55E-06	1.65E-07	1.38E-06	2.88E-06	8.54E-08	6.96E-07	1.49E-06	9.14E-08	7.66E-07	1.66E-06	1.06E-07	8.42E-07	1.86E-06	1.11E-07	9.07E-07	1.97E-06	9.33E-08	7.53E-07	1.64E-06
8,138	2.06E-07	1.63E-06	3.55E-06	1.65E-07	1.38E-06	2.88E-06	8.54E-08	6.96E-07	1.49E-06	9.14E-08	7.66E-07	1.66E-06	1.06E-07	8.42E-07	1.85E-06	1.11E-07	9.07E-07	1.97E-06	9.32E-08	7.53E-07	1.64E-06
8,139	2.06E-07	1.63E-06	3.54E-06	1.65E-07	1.38E-06	2.88E-06	8.53E-08	6.95E-07	1.49E-06	9.14E-08	7.65E-07	1.66E-06	1.06E-07	8.41E-07	1.85E-06	1.11E-07	9.06E-07	1.97E-06	9.32E-08	7.52E-07	1.64E-06
8,140	2.06E-07	1.63E-06	3.54E-06	1.65E-07	1.38E-06	2.88E-06	8.53E-08	6.95E-07	1.49E-06	9.12E-08	7.65E-07	1.66E-06	1.06E-07	8.41E-07	1.85E-06	1.11E-07	9.04E-07	1.97E-06	9.31E-08	7.52E-07	1.64E-06
8,141	2.05E-07	1.63E-06	3.54E-06	1.65E-07	1.38E-06	2.88E-06	8.53E-08	6.95E-07	1.49E-06	9.12E-08	7.65E-07	1.66E-06	1.06E-07	8.41E-07	1.85E-06	1.11E-07	9.03E-07	1.97E-06	9.31E-08	7.51E-07	1.63E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,162	2.04E-07	1.62E-06	3.51E-06	1.63E-07	1.36E-06	2.85E-06	8.47E-08	6.90E-07	1.48E-06	9.03E-08	7.58E-07	1.65E-06	1.05E-07	8.33E-07	1.83E-06	1.10E-07	8.92E-07	1.95E-06	9.23E-08	7.45E-07	1.62E-06
8,163	2.04E-07	1.61E-06	3.51E-06	1.63E-07	1.36E-06	2.85E-06	8.46E-08	6.90E-07	1.48E-06	9.03E-08	7.57E-07	1.65E-06	1.05E-07	8.33E-07	1.83E-06	1.10E-07	8.90E-07	1.95E-06	9.23E-08	7.44E-07	1.62E-06
8,164	2.04E-07	1.61E-06	3.50E-06	1.63E-07	1.36E-06	2.85E-06	8.45E-08	6.90E-07	1.48E-06	9.03E-08	7.56E-07	1.65E-06	1.05E-07	8.33E-07	1.83E-06	1.10E-07	8.90E-07	1.95E-06	9.22E-08	7.44E-07	1.62E-06
8,165	2.04E-07	1.61E-06	3.50E-06	1.62E-07	1.35E-06	2.85E-06	8.45E-08	6.90E-07	1.48E-06	9.01E-08	7.55E-07	1.65E-06	1.05E-07	8.32E-07	1.83E-06	1.10E-07	8.90E-07	1.95E-06	9.21E-08	7.44E-07	1.62E-06
8,166	2.04E-07	1.61E-06	3.50E-06	1.62E-07	1.35E-06	2.85E-06	8.45E-08	6.89E-07	1.48E-06	9.01E-08	7.55E-07	1.65E-06	1.05E-07	8.32E-07	1.83E-06	1.10E-07	8.89E-07	1.95E-06	9.20E-08	7.44E-07	1.62E-06
8,167	2.04E-07	1.61E-06	3.50E-06	1.62E-07	1.35E-06	2.85E-06	8.45E-08	6.89E-07	1.48E-06	9.00E-08	7.55E-07	1.65E-06	1.05E-07	8.32E-07	1.83E-06	1.10E-07	8.89E-07	1.95E-06	9.20E-08	7.43E-07	1.62E-06
8,168	2.04E-07	1.61E-06	3.50E-06	1.62E-07	1.35E-06	2.85E-06	8.45E-08	6.89E-07	1.47E-06	9.00E-08	7.55E-07	1.64E-06	1.05E-07	8.32E-07	1.83E-06	1.10E-07	8.88E-07	1.95E-06	9.20E-08	7.43E-07	1.62E-06
8,169	2.03E-07	1.61E-06	3.50E-06	1.62E-07	1.35E-06	2.84E-06	8.44E-08	6.89E-07	1.47E-06	8.99E-08	7.55E-07	1.64E-06	1.05E-07	8.30E-07	1.82E-06	1.10E-07	8.88E-07	1.95E-06	9.19E-08	7.43E-07	1.62E-06
8,170	2.03E-07	1.61E-06	3.49E-06	1.62E-07	1.35E-06	2.84E-06	8.44E-08	6.88E-07	1.47E-06	8.99E-08	7.55E-07	1.64E-06	1.05E-07	8.30E-07	1.82E-06	1.10E-07	8.88E-07	1.95E-06	9.18E-08	7.43E-07	1.62E-06
8,171	2.03E-07	1.61E-06	3.49E-06	1.62E-07	1.35E-06	2.84E-06	8.44E-08	6.88E-07	1.47E-06	8.98E-08	7.55E-07	1.64E-06	1.05E-07	8.30E-07	1.82E-06	1.09E-07	8.87E-07	1.94E-06	9.18E-08	7.43E-07	1.61E-06
8,172	2.03E-07	1.61E-06	3.48E-06	1.62E-07	1.35E-06	2.84E-06	8.44E-08	6.88E-07	1.47E-06	8.98E-08	7.54E-07	1.64E-06	1.05E-07	8.30E-07	1.82E-06	1.09E-07	8.86E-07	1.94E-06	9.18E-08	7.43E-07	1.61E-06
8,173	2.03E-07	1.61E-06	3.48E-06	1.62E-07	1.35E-06	2.84E-06	8.42E-08	6.88E-07	1.47E-06	8.98E-08	7.54E-07	1.64E-06	1.05E-07	8.30E-07	1.82E-06	1.09E-07	8.86E-07	1.94E-06	9.18E-08	7.43E-07	1.61E-06
8,174	2.03E-07	1.61E-06	3.48E-06	1.62E-07	1.35E-06	2.84E-06	8.41E-08	6.88E-07	1.47E-06	8.98E-08	7.53E-07	1.64E-06	1.05E-07	8.29E-07	1.82E-06	1.09E-07	8.85E-07	1.94E-06	9.17E-08	7.42E-07	1.61E-06
8,175	2.03E-07	1.61E-06	3.47E-06	1.62E-07	1.35E-06	2.84E-06	8.41E-08	6.87E-07	1.47E-06	8.98E-08	7.53E-07	1.64E-06	1.05E-07	8.29E-07	1.82E-06	1.09E-07	8.85E-07	1.94E-06	9.17E-08	7.42E-07	1.61E-06
8,176	2.02E-07	1.61E-06	3.47E-06	1.61E-07	1.35E-06	2.84E-06	8.40E-08	6.87E-07	1.47E-06	8.97E-08	7.53E-07	1.64E-06	1.05E-07	8.29E-07	1.82E-06	1.09E-07	8.84E-07	1.94E-06	9.17E-08	7.42E-07	1.61E-06
8,177	2.02E-07	1.61E-06	3.47E-06	1.61E-07	1.34E-06	2.84E-06	8.40E-08	6.87E-07	1.47E-06	8.97E-08	7.52E-07	1.64E-06	1.05E-07	8.28E-07	1.82E-06	1.09E-07	8.83E-07	1.94E-06	9.16E-08	7.42E-07	1.61E-06
8,178	2.02E-07	1.61E-06	3.47E-06	1.61E-07	1.34E-06	2.84E-06	8.40E-08	6.87E-07	1.47E-06	8.96E-08	7.52E-07	1.64E-06	1.04E-07	8.28E-07	1.82E-06	1.09E-07	8.83E-07	1.94E-06	9.16E-08	7.41E-07	1.61E-06
8,179	2.02E-07	1.60E-06	3.47E-06	1.61E-07	1.34E-06	2.84E-06	8.40E-08	6.87E-07	1.47E-06	8.95E-08	7.52E-07	1.64E-06	1.04E-07	8.27E-07	1.82E-06	1.09E-07	8.83E-07	1.94E-06	9.16E-08	7.41E-07	1.61E-06
8,180	2.02E-07	1.60E-06	3.47E-06	1.61E-07	1.34E-06	2.83E-06	8.39E-08	6.86E-07	1.47E-06	8.95E-08	7.52E-07	1.64E-06	1.04E-07	8.26E-07	1.82E-06	1.09E-07	8.81E-07	1.94E-06	9.16E-08	7.41E-07	1.61E-06
8,181	2.02E-07	1.60E-06	3.47E-06	1.61E-07	1.34E-06	2.83E-06	8.37E-08	6.86E-07	1.47E-06	8.95E-08	7.52E-07	1.63E-06	1.04E-07	8.26E-07	1.82E-06	1.09E-07	8.81E-07	1.93E-06	9.14E-08	7.41E-07	1.61E-06
8,182	2.02E-07	1.60E-06	3.46E-06	1.61E-07	1.34E-06	2.83E-06	8.36E-08	6.85E-07	1.47E-06	8.95E-08	7.51E-07	1.63E-06	1.04E-07	8.26E-07	1.82E-06	1.09E-07	8.81E-07	1.93E-06	9.14E-08	7.41E-07	1.61E-06
8,183	2.02E-07	1.60E-06	3.45E-06	1.61E-07	1.34E-06	2.83E-06	8.36E-08	6.85E-07	1.47E-06	8.94E-08	7.51E-07	1.63E-06	1.04E-07	8.26E-07	1.82E-06	1.09E-07	8.80E-07	1.93E-06	9.14E-08	7.40E-07	1.61E-06
8,184	2.02E-07	1.60E-06	3.45E-06	1.61E-07	1.34E-06	2.83E-06	8.36E-08	6.85E-07	1.47E-06	8.94E-08	7.50E-07	1.63E-06	1.04E-07	8.26E-07	1.82E-06	1.09E-07	8.80E-07	1.93E-06	9.14E-08	7.40E-07	1.61E-06
8,185	2.02E-07	1.60E-06	3.45E-06	1.61E-07	1.34E-06	2.83E-06	8.35E-08	6.85E-07	1.47E-06	8.94E-08	7.50E-07	1.63E-06	1.04E-07	8.25E-07	1.82E-06	1.09E-07	8.80E-07	1.93E-06	9.13E-08	7.39E-07	1.61E-06
8,186	2.02E-07	1.60E-06	3.45E-06	1.61E-07	1.34E-06	2.82E-06	8.35E-08	6.84E-07	1.47E-06	8.94E-08	7.49E-07	1.63E-06	1.04E-07	8.25E-07	1.82E-06	1.09E-07	8.79E-07	1.93E-06	9.13E-08	7.38E-07	1.61E-06
8,187	2.02E-07	1.60E-06	3.43E-06	1.61E-07	1.34E-06	2.82E-06	8.34E-08	6.84E-07	1.47E-06	8.94E-08	7.49E-07	1.63E-06	1.04E-07	8.25E-07	1.82E-06	1.09E-07	8.79E-07	1.93E-06	9.13E-08	7.38E-07	1.61E-06
8,188	2.01E-07	1.60E-06	3.43E-06	1.61E-07	1.34E-06	2.82E-06	8.34E-08	6.83E-07	1.46E-06	8.93E-08	7.48E-07	1.63E-06	1.04E-07	8.25E-07	1.81E-06	1.09E-07	8.79E-07	1.93E-06	9.13E-08	7.37E-07	1.61E-06
8,189	2.01E-07	1.60E-06	3.43E-06	1.60E-07	1.34E-06	2.82E-06	8.34E-08	6.83E-07	1.46E-06	8.93E-08	7.47E-07	1.63E-06	1.04E-07	8.24E-07	1.81E-06	1.09E-07	8.79E-07	1.93E-06	9.13E-08	7.37E-07	1.60E-06
8,190	2.01E-07	1.60E-06	3.43E-06	1.60E-07	1.34E-06	2.82E-06	8.34E-08	6.83E-07	1.46E-06	8.93E-08	7.47E-07	1.63E-06	1.04E-07	8.24E-07	1.81E-06	1.09E-07	8.79E-07	1.93E-06	9.12E-08	7.37E-07	1.60E-06
8,191	2.01E-07	1.60E-06	3.43E-06	1.60E-07	1.34E-06	2.81E-06	8.34E-08	6.83E-07	1.46E-06	8.92E-08	7.46E-07	1.63E-06	1.04E-07	8.24E-07	1.81E-06	1.09E-07	8.78E-07	1.93E-06	9.12E-08	7.37E-07	1.60E-06
8,192	2.01E-07	1.60E-06	3.43E-06	1.60E-07	1.33E-06	2.81E-06	8.34E-08	6.83E-07	1.46E-06	8.91E-08	7.46E-07	1.63E-06	1.04E-07	8.24E-07	1.81E-06	1.09E-07	8.78E-07	1.93E-06	9.10E-08	7.36E-07	1.60E-06
8,193	2.01E-07	1.60E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.34E-08	6.83E-07	1.46E-06	8.91E-08	7.46E-07	1.63E-06	1.04E-07	8.22E-07	1.81E-06	1.09E-07	8.78E-07	1.93E-06	9.10E-08	7.36E-07	1.60E-06
8,194	2.01E-07	1.60E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.32E-08	6.82E-07	1.46E-06	8.91E-08	7.45E-07	1.63E-06	1.04E-07	8.22E-07	1.81E-06	1.09E-07	8.78E-07	1.93E-06	9.10E-08	7.36E-07	1.60E-06
8,195	2.01E-07	1.60E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.32E-08	6.82E-07	1.46E-06	8.90E-08	7.45E-07	1.63E-06	1.03E-07	8.22E-07	1.81E-06	1.09E-07	8.78E-07	1.93E-06	9.10E-08	7.36E-07	1.60E-06
8,196	2.01E-07	1.59E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.32E-08	6.82E-07	1.46E-06	8.89E-08	7.45E-07	1.63E-06	1.03E-07	8.22E-07	1.81E-06	1.09E-07	8.77E-07	1.92E-06	9.09E-08	7.35E-07	1.60E-06
8,197	2.01E-07	1.59E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.31E-08	6.81E-07	1.46E-06	8.89E-08	7.45E-07	1.63E-06	1.03E-07	8.22E-07	1.81E-06	1.08E-07	8.77E-07	1.92E-06	9.09E-08	7.35E-07	1.60E-06
8,198	2.00E-07	1.59E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.31E-08	6.81E-07	1.46E-06	8.88E-08	7.45E-07	1.63E-06	1.03E-07	8.21E-07	1.81E-06	1.08E-07	8.77E-07	1.92E-06	9.09E-08	7.35E-07	1.60E-06
8,199	2.00E-07	1.59E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.31E-08	6.80E-07	1.46E-06	8.88E-08	7.45E-07	1.63E-06	1.03E-07	8.20E-07	1.81E-06	1.08E-07	8.77E-07	1.92E-06	9.08E-08	7.35E-07	1.60E-06
8,200	2.00E-07	1.59E-06	3.42E-06	1.60E-07	1.33E-06	2.81E-06	8.30E-08	6.80E-07	1.46E-06	8.88E-08	7.45E-07	1.63E-06	1.03E-07	8.19E-07	1.81E-06	1.08E-07	8.76E-07	1.92E-06	9.08E-08	7.34E-07	1.60E-06
8,201	2.00E-07	1.59E-06	3.41E-06	1.60E-07	1.33E-06	2.81E-06	8.29E-08	6.80E-07	1.46E-06	8.88E-08	7.44E-07	1.63E-06	1.03E-07	8.19E-07	1.81E-06	1.08E-07	8.76E-07	1.92E-06	9.08E-08	7.34E-07	1.60E-06
8,202	2.00E-07	1.59E-06	3.41E-06	1.60E-07	1.33E-06	2.80E-06	8.28E-08	6.80E-07	1.46E-06	8.88E-08	7.44E-07	1.62E-06	1.03E-07	8.19E-07	1.80E-06	1.08E-07	8.75E-07	1.92E-06	9.07E-08	7.33E-07	1.60E-06
8,203	2.00E-07	1.59E-06	3.41E-06	1.60E-07	1.33E-06	2.80E-06	8.28E-08	6.79E-07	1.46E-06	8.87E-08	7.44E-07	1.62E-06	1.03E-07	8.19E-07	1.80E-06	1.08E-07	8.75E-07	1.92E-06	9.07E-08	7.33E-07	1.60E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,224	1.99E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.22E-08	6.73E-07	1.45E-06	8.81E-08	7.36E-07	1.61E-06	1.02E-07	8.11E-07	1.79E-06	1.07E-07	8.66E-07	1.90E-06	8.97E-08	7.27E-07	1.59E-06
8,225	1.98E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.22E-08	6.73E-07	1.44E-06	8.81E-08	7.36E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.66E-07	1.90E-06	8.96E-08	7.26E-07	1.59E-06
8,226	1.98E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.21E-08	6.72E-07	1.44E-06	8.81E-08	7.36E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.65E-07	1.90E-06	8.94E-08	7.26E-07	1.59E-06
8,227	1.98E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.21E-08	6.72E-07	1.44E-06	8.80E-08	7.36E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.65E-07	1.90E-06	8.94E-08	7.25E-07	1.59E-06
8,228	1.98E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.20E-08	6.72E-07	1.44E-06	8.79E-08	7.35E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.64E-07	1.90E-06	8.93E-08	7.25E-07	1.59E-06
8,229	1.98E-07	1.58E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.20E-08	6.72E-07	1.44E-06	8.79E-08	7.35E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.64E-07	1.90E-06	8.92E-08	7.25E-07	1.58E-06
8,230	1.98E-07	1.57E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.20E-08	6.72E-07	1.44E-06	8.77E-08	7.35E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.64E-07	1.90E-06	8.92E-08	7.25E-07	1.58E-06
8,231	1.98E-07	1.57E-06	3.37E-06	1.57E-07	1.31E-06	2.77E-06	8.20E-08	6.72E-07	1.44E-06	8.76E-08	7.35E-07	1.61E-06	1.02E-07	8.10E-07	1.79E-06	1.07E-07	8.64E-07	1.90E-06	8.91E-08	7.25E-07	1.58E-06
8,232	1.98E-07	1.57E-06	3.36E-06	1.57E-07	1.31E-06	2.76E-06	8.20E-08	6.71E-07	1.44E-06	8.73E-08	7.34E-07	1.60E-06	1.02E-07	8.09E-07	1.79E-06	1.07E-07	8.63E-07	1.90E-06	8.90E-08	7.25E-07	1.58E-06
8,233	1.98E-07	1.57E-06	3.36E-06	1.57E-07	1.31E-06	2.76E-06	8.20E-08	6.71E-07	1.44E-06	8.73E-08	7.34E-07	1.60E-06	1.02E-07	8.09E-07	1.79E-06	1.07E-07	8.62E-07	1.90E-06	8.90E-08	7.24E-07	1.58E-06
8,234	1.98E-07	1.57E-06	3.36E-06	1.57E-07	1.31E-06	2.76E-06	8.20E-08	6.71E-07	1.44E-06	8.73E-08	7.34E-07	1.60E-06	1.02E-07	8.09E-07	1.79E-06	1.07E-07	8.62E-07	1.90E-06	8.90E-08	7.24E-07	1.58E-06
8,235	1.98E-07	1.57E-06	3.36E-06	1.57E-07	1.30E-06	2.76E-06	8.19E-08	6.71E-07	1.44E-06	8.73E-08	7.33E-07	1.60E-06	1.02E-07	8.08E-07	1.79E-06	1.07E-07	8.62E-07	1.90E-06	8.90E-08	7.24E-07	1.58E-06
8,236	1.98E-07	1.57E-06	3.36E-06	1.56E-07	1.30E-06	2.76E-06	8.19E-08	6.70E-07	1.44E-06	8.73E-08	7.33E-07	1.60E-06	1.02E-07	8.08E-07	1.79E-06	1.07E-07	8.62E-07	1.90E-06	8.90E-08	7.24E-07	1.58E-06
8,237	1.97E-07	1.57E-06	3.35E-06	1.56E-07	1.30E-06	2.76E-06	8.19E-08	6.70E-07	1.43E-06	8.72E-08	7.33E-07	1.60E-06	1.02E-07	8.08E-07	1.79E-06	1.07E-07	8.60E-07	1.89E-06	8.89E-08	7.23E-07	1.58E-06
8,238	1.97E-07	1.57E-06	3.35E-06	1.56E-07	1.30E-06	2.76E-06	8.19E-08	6.70E-07	1.43E-06	8.72E-08	7.33E-07	1.60E-06	1.02E-07	8.07E-07	1.78E-06	1.07E-07	8.60E-07	1.89E-06	8.89E-08	7.23E-07	1.58E-06
8,239	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.76E-06	8.19E-08	6.69E-07	1.43E-06	8.72E-08	7.32E-07	1.60E-06	1.02E-07	8.07E-07	1.78E-06	1.07E-07	8.59E-07	1.89E-06	8.89E-08	7.23E-07	1.58E-06
8,240	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.18E-08	6.69E-07	1.43E-06	8.72E-08	7.32E-07	1.60E-06	1.02E-07	8.07E-07	1.78E-06	1.07E-07	8.59E-07	1.89E-06	8.88E-08	7.22E-07	1.58E-06
8,241	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.18E-08	6.68E-07	1.43E-06	8.71E-08	7.32E-07	1.60E-06	1.02E-07	8.06E-07	1.78E-06	1.07E-07	8.59E-07	1.89E-06	8.87E-08	7.22E-07	1.58E-06
8,242	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.18E-08	6.68E-07	1.43E-06	8.71E-08	7.31E-07	1.60E-06	1.01E-07	8.06E-07	1.78E-06	1.07E-07	8.59E-07	1.89E-06	8.87E-08	7.22E-07	1.58E-06
8,243	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.17E-08	6.68E-07	1.43E-06	8.71E-08	7.31E-07	1.60E-06	1.01E-07	8.06E-07	1.78E-06	1.07E-07	8.58E-07	1.89E-06	8.87E-08	7.22E-07	1.58E-06
8,244	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.17E-08	6.68E-07	1.43E-06	8.70E-08	7.30E-07	1.60E-06	1.01E-07	8.05E-07	1.78E-06	1.07E-07	8.58E-07	1.89E-06	8.87E-08	7.22E-07	1.57E-06
8,245	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.16E-08	6.68E-07	1.43E-06	8.70E-08	7.30E-07	1.59E-06	1.01E-07	8.05E-07	1.78E-06	1.07E-07	8.58E-07	1.89E-06	8.87E-08	7.22E-07	1.57E-06
8,246	1.97E-07	1.56E-06	3.35E-06	1.56E-07	1.30E-06	2.75E-06	8.16E-08	6.68E-07	1.43E-06	8.70E-08	7.29E-07	1.59E-06	1.01E-07	8.04E-07	1.78E-06	1.06E-07	8.57E-07	1.89E-06	8.86E-08	7.21E-07	1.57E-06
8,247	1.97E-07	1.56E-06	3.34E-06	1.56E-07	1.30E-06	2.75E-06	8.16E-08	6.68E-07	1.43E-06	8.69E-08	7.29E-07	1.59E-06	1.01E-07	8.04E-07	1.78E-06	1.06E-07	8.57E-07	1.89E-06	8.86E-08	7.21E-07	1.57E-06
8,248	1.96E-07	1.56E-06	3.34E-06	1.56E-07	1.30E-06	2.75E-06	8.16E-08	6.68E-07	1.43E-06	8.69E-08	7.29E-07	1.59E-06	1.01E-07	8.04E-07	1.78E-06	1.06E-07	8.57E-07	1.88E-06	8.86E-08	7.21E-07	1.57E-06
8,249	1.96E-07	1.56E-06	3.34E-06	1.55E-07	1.30E-06	2.74E-06	8.16E-08	6.67E-07	1.43E-06	8.69E-08	7.29E-07	1.59E-06	1.01E-07	8.03E-07	1.78E-06	1.06E-07	8.57E-07	1.88E-06	8.86E-08	7.21E-07	1.57E-06
8,250	1.96E-07	1.56E-06	3.34E-06	1.55E-07	1.30E-06	2.74E-06	8.16E-08	6.67E-07	1.43E-06	8.69E-08	7.28E-07	1.59E-06	1.01E-07	8.03E-07	1.78E-06	1.06E-07	8.55E-07	1.88E-06	8.85E-08	7.20E-07	1.57E-06
8,251	1.96E-07	1.56E-06	3.34E-06	1.55E-07	1.30E-06	2.74E-06	8.16E-08	6.67E-07	1.43E-06	8.68E-08	7.28E-07	1.59E-06	1.01E-07	8.03E-07	1.78E-06	1.06E-07	8.55E-07	1.88E-06	8.85E-08	7.20E-07	1.57E-06
8,252	1.96E-07	1.56E-06	3.34E-06	1.55E-07	1.30E-06	2.74E-06	8.15E-08	6.67E-07	1.42E-06	8.68E-08	7.27E-07	1.59E-06	1.01E-07	8.02E-07	1.78E-06	1.06E-07	8.54E-07	1.88E-06	8.84E-08	7.20E-07	1.57E-06
8,253	1.96E-07	1.56E-06	3.33E-06	1.55E-07	1.29E-06	2.74E-06	8.15E-08	6.66E-07	1.42E-06	8.68E-08	7.27E-07	1.59E-06	1.01E-07	8.01E-07	1.78E-06	1.06E-07	8.54E-07	1.88E-06	8.83E-08	7.20E-07	1.57E-06
8,254	1.96E-07	1.55E-06	3.33E-06	1.55E-07	1.29E-06	2.74E-06	8.15E-08	6.66E-07	1.42E-06	8.68E-08	7.27E-07	1.58E-06	1.01E-07	8.01E-07	1.78E-06	1.06E-07	8.54E-07	1.88E-06	8.82E-08	7.19E-07	1.57E-06
8,255	1.96E-07	1.55E-06	3.33E-06	1.55E-07	1.29E-06	2.74E-06	8.15E-08	6.66E-07	1.42E-06	8.68E-08	7.27E-07	1.58E-06	1.01E-07	8.01E-07	1.77E-06	1.06E-07	8.54E-07	1.88E-06	8.82E-08	7.19E-07	1.57E-06
8,256	1.96E-07	1.55E-06	3.33E-06	1.55E-07	1.29E-06	2.74E-06	8.15E-08	6.66E-07	1.42E-06	8.68E-08	7.27E-07	1.58E-06	1.01E-07	8.01E-07	1.77E-06	1.06E-07	8.53E-07	1.88E-06	8.82E-08	7.19E-07	1.57E-06
8,257	1.96E-07	1.55E-06	3.33E-06	1.55E-07	1.29E-06	2.74E-06	8.15E-08	6.66E-07	1.42E-06	8.68E-08	7.27E-07	1.58E-06	1.01E-07	8.00E-07	1.77E-06	1.06E-07	8.52E-07	1.88E-06	8.80E-08	7.19E-07	1.56E-06
8,258	1.95E-07	1.55E-06	3.33E-06	1.54E-07	1.29E-06	2.73E-06	8.14E-08	6.66E-07	1.42E-06	8.67E-08	7.27E-07	1.58E-06	1.01E-07	8.00E-07	1.77E-06	1.06E-07	8.52E-07	1.88E-06	8.80E-08	7.19E-07	1.56E-06
8,259	1.95E-07	1.55E-06	3.33E-06	1.54E-07	1.29E-06	2.73E-06	8.14E-08	6.65E-07	1.42E-06	8.67E-08	7.27E-07	1.58E-06	1.01E-07	8.00E-07	1.77E-06	1.06E-07	8.52E-07	1.88E-06	8.80E-08	7.19E-07	1.56E-06
8,260	1.95E-07	1.55E-06	3.33E-06	1.54E-07	1.29E-06	2.73E-06	8.13E-08	6.65E-07	1.42E-06	8.66E-08	7.26E-07	1.57E-06	1.01E-07	8.00E-07	1.77E-06	1.06E-07	8.52E-07	1.88E-06	8.80E-08	7.19E-07	1.56E-06
8,261	1.95E-07	1.55E-06	3.32E-06	1.54E-07	1.29E-06	2.73E-06	8.12E-08	6.65E-07	1.42E-06	8.66E-08	7.25E-07	1.57E-06	1.01E-07	7.99E-07	1.77E-06	1.06E-07	8.50E-07	1.88E-06	8.80E-08	7.18E-07	1.56E-06
8,262	1.94E-07	1.55E-06	3.32E-06	1.54E-07	1.29E-06	2.73E-06	8.12E-08	6.65E-07	1.42E-06	8.66E-08	7.25E-07	1.57E-06	1.01E-07	7.99E-07	1.77E-06	1.06E-07	8.50E-07	1.87E-06	8.80E-08	7.18E-07	1.56E-06
8,263	1.94E-07	1.55E-06	3.32E-06	1.54E-07	1.29E-06	2.73E-06	8.11E-08	6.65E-07	1.42E-06	8.65E-08	7.25E-07	1.57E-06	1.01E-07	7.98E-07	1.77E-06	1.06E-07	8.49E-07	1.87E-06	8.79E-08	7.17E-07	1.56E-06
8,264	1.94E-07	1.55E-06	3.32E-06	1.54E-07	1.29E-06	2.73E-06	8.11E-08	6.64E-07	1.42E-06	8.65E-08	7.25E-07	1.57E-06	1.01E-07	7.98E-07	1.77E-06	1.06E-07	8.49E-07	1.87E-06	8.79E-08	7.17E-07	1.56E-06
8,265	1.94E-07	1.55E-06	3.32E-06	1.54E-07	1.29E-06	2.73E-06	8.11E-08	6.64E-07	1.42E-06	8.65E-08	7.24E-07	1.57E-06	1.01E-07	7.98E-07	1.76E-06	1.06E-07	8.49E-07	1.87E-06	8.79E-08	7.16E-07	1.56E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,286	1.93E-07	1.54E-06	3.28E-06	1.53E-07	1.27E-06	2.70E-06	8.06E-08	6.58E-07	1.41E-06	8.58E-08	7.20E-07	1.56E-06	9.95E-08	7.90E-07	1.75E-06	1.05E-07	8.41E-07	1.86E-06	8.69E-08	7.10E-07	1.55E-06
8,287	1.93E-07	1.54E-06	3.28E-06	1.53E-07	1.27E-06	2.70E-06	8.06E-08	6.58E-07	1.40E-06	8.58E-08	7.19E-07	1.56E-06	9.94E-08	7.90E-07	1.75E-06	1.05E-07	8.41E-07	1.86E-06	8.69E-08	7.10E-07	1.55E-06
8,288	1.92E-07	1.53E-06	3.28E-06	1.53E-07	1.27E-06	2.70E-06	8.06E-08	6.58E-07	1.40E-06	8.57E-08	7.19E-07	1.56E-06	9.94E-08	7.89E-07	1.75E-06	1.05E-07	8.41E-07	1.86E-06	8.68E-08	7.10E-07	1.55E-06
8,289	1.92E-07	1.53E-06	3.27E-06	1.53E-07	1.27E-06	2.70E-06	8.06E-08	6.57E-07	1.40E-06	8.57E-08	7.19E-07	1.56E-06	9.93E-08	7.89E-07	1.75E-06	1.05E-07	8.41E-07	1.86E-06	8.67E-08	7.09E-07	1.54E-06
8,290	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.27E-06	2.70E-06	8.06E-08	6.57E-07	1.40E-06	8.57E-08	7.18E-07	1.55E-06	9.93E-08	7.89E-07	1.75E-06	1.05E-07	8.41E-07	1.85E-06	8.66E-08	7.09E-07	1.54E-06
8,291	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.27E-06	2.70E-06	8.05E-08	6.57E-07	1.40E-06	8.56E-08	7.18E-07	1.55E-06	9.93E-08	7.88E-07	1.75E-06	1.05E-07	8.41E-07	1.85E-06	8.65E-08	7.09E-07	1.54E-06
8,292	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.27E-06	2.69E-06	8.05E-08	6.57E-07	1.40E-06	8.56E-08	7.17E-07	1.55E-06	9.93E-08	7.88E-07	1.75E-06	1.05E-07	8.41E-07	1.85E-06	8.65E-08	7.09E-07	1.54E-06
8,293	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.27E-06	2.69E-06	8.04E-08	6.56E-07	1.40E-06	8.55E-08	7.16E-07	1.55E-06	9.92E-08	7.88E-07	1.75E-06	1.04E-07	8.41E-07	1.85E-06	8.65E-08	7.09E-07	1.54E-06
8,294	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.27E-06	2.69E-06	8.04E-08	6.56E-07	1.40E-06	8.54E-08	7.16E-07	1.55E-06	9.92E-08	7.87E-07	1.74E-06	1.04E-07	8.41E-07	1.85E-06	8.65E-08	7.08E-07	1.54E-06
8,295	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.26E-06	2.69E-06	8.03E-08	6.56E-07	1.40E-06	8.53E-08	7.15E-07	1.55E-06	9.92E-08	7.87E-07	1.74E-06	1.04E-07	8.40E-07	1.85E-06	8.65E-08	7.08E-07	1.54E-06
8,296	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.26E-06	2.69E-06	8.03E-08	6.56E-07	1.40E-06	8.53E-08	7.15E-07	1.55E-06	9.92E-08	7.86E-07	1.74E-06	1.04E-07	8.40E-07	1.85E-06	8.64E-08	7.08E-07	1.54E-06
8,297	1.92E-07	1.53E-06	3.27E-06	1.52E-07	1.26E-06	2.69E-06	8.03E-08	6.55E-07	1.40E-06	8.53E-08	7.15E-07	1.55E-06	9.92E-08	7.86E-07	1.74E-06	1.04E-07	8.40E-07	1.85E-06	8.64E-08	7.08E-07	1.54E-06
8,298	1.91E-07	1.53E-06	3.27E-06	1.52E-07	1.26E-06	2.69E-06	8.03E-08	6.55E-07	1.40E-06	8.52E-08	7.15E-07	1.55E-06	9.90E-08	7.86E-07	1.74E-06	1.04E-07	8.39E-07	1.85E-06	8.64E-08	7.06E-07	1.54E-06
8,299	1.91E-07	1.53E-06	3.27E-06	1.52E-07	1.26E-06	2.69E-06	8.03E-08	6.54E-07	1.40E-06	8.52E-08	7.14E-07	1.55E-06	9.90E-08	7.85E-07	1.74E-06	1.04E-07	8.38E-07	1.85E-06	8.63E-08	7.06E-07	1.54E-06
8,300	1.91E-07	1.52E-06	3.26E-06	1.52E-07	1.26E-06	2.69E-06	8.02E-08	6.54E-07	1.40E-06	8.51E-08	7.14E-07	1.55E-06	9.90E-08	7.84E-07	1.74E-06	1.04E-07	8.38E-07	1.85E-06	8.63E-08	7.05E-07	1.54E-06
8,301	1.91E-07	1.52E-06	3.26E-06	1.52E-07	1.26E-06	2.69E-06	8.02E-08	6.54E-07	1.40E-06	8.51E-08	7.14E-07	1.55E-06	9.89E-08	7.83E-07	1.74E-06	1.04E-07	8.36E-07	1.85E-06	8.61E-08	7.05E-07	1.54E-06
8,302	1.91E-07	1.52E-06	3.26E-06	1.52E-07	1.26E-06	2.69E-06	8.02E-08	6.54E-07	1.40E-06	8.51E-08	7.13E-07	1.55E-06	9.89E-08	7.83E-07	1.74E-06	1.04E-07	8.36E-07	1.84E-06	8.61E-08	7.05E-07	1.54E-06
8,303	1.91E-07	1.52E-06	3.26E-06	1.52E-07	1.26E-06	2.68E-06	8.01E-08	6.54E-07	1.40E-06	8.51E-08	7.13E-07	1.54E-06	9.89E-08	7.83E-07	1.74E-06	1.04E-07	8.36E-07	1.84E-06	8.60E-08	7.05E-07	1.54E-06
8,304	1.91E-07	1.52E-06	3.26E-06	1.52E-07	1.26E-06	2.68E-06	8.01E-08	6.54E-07	1.40E-06	8.50E-08	7.13E-07	1.54E-06	9.89E-08	7.83E-07	1.74E-06	1.04E-07	8.35E-07	1.84E-06	8.60E-08	7.05E-07	1.54E-06
8,305	1.91E-07	1.52E-06	3.25E-06	1.52E-07	1.26E-06	2.68E-06	8.00E-08	6.54E-07	1.40E-06	8.50E-08	7.13E-07	1.54E-06	9.87E-08	7.83E-07	1.74E-06	1.04E-07	8.34E-07	1.84E-06	8.60E-08	7.05E-07	1.54E-06
8,306	1.91E-07	1.52E-06	3.25E-06	1.52E-07	1.26E-06	2.68E-06	8.00E-08	6.53E-07	1.40E-06	8.49E-08	7.12E-07	1.54E-06	9.87E-08	7.83E-07	1.74E-06	1.04E-07	8.34E-07	1.84E-06	8.60E-08	7.05E-07	1.54E-06
8,307	1.90E-07	1.52E-06	3.25E-06	1.52E-07	1.26E-06	2.68E-06	8.00E-08	6.53E-07	1.40E-06	8.49E-08	7.12E-07	1.54E-06	9.87E-08	7.83E-07	1.74E-06	1.04E-07	8.34E-07	1.84E-06	8.60E-08	7.04E-07	1.54E-06
8,308	1.90E-07	1.52E-06	3.25E-06	1.51E-07	1.26E-06	2.68E-06	7.99E-08	6.53E-07	1.40E-06	8.49E-08	7.11E-07	1.54E-06	9.86E-08	7.83E-07	1.74E-06	1.04E-07	8.34E-07	1.84E-06	8.60E-08	7.04E-07	1.53E-06
8,309	1.90E-07	1.52E-06	3.25E-06	1.51E-07	1.26E-06	2.68E-06	7.99E-08	6.53E-07	1.40E-06	8.49E-08	7.11E-07	1.54E-06	9.86E-08	7.82E-07	1.74E-06	1.04E-07	8.33E-07	1.84E-06	8.60E-08	7.03E-07	1.53E-06
8,310	1.90E-07	1.51E-06	3.25E-06	1.51E-07	1.26E-06	2.68E-06	7.98E-08	6.52E-07	1.40E-06	8.49E-08	7.11E-07	1.54E-06	9.86E-08	7.82E-07	1.74E-06	1.04E-07	8.32E-07	1.84E-06	8.59E-08	7.03E-07	1.53E-06
8,311	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.26E-06	2.67E-06	7.97E-08	6.52E-07	1.39E-06	8.49E-08	7.09E-07	1.54E-06	9.86E-08	7.82E-07	1.74E-06	1.04E-07	8.32E-07	1.84E-06	8.59E-08	7.02E-07	1.53E-06
8,312	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.97E-08	6.52E-07	1.39E-06	8.49E-08	7.09E-07	1.54E-06	9.84E-08	7.81E-07	1.74E-06	1.04E-07	8.32E-07	1.84E-06	8.59E-08	7.02E-07	1.53E-06
8,313	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.96E-08	6.52E-07	1.39E-06	8.48E-08	7.09E-07	1.54E-06	9.84E-08	7.81E-07	1.74E-06	1.03E-07	8.32E-07	1.84E-06	8.58E-08	7.02E-07	1.53E-06
8,314	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.96E-08	6.52E-07	1.39E-06	8.48E-08	7.08E-07	1.54E-06	9.84E-08	7.80E-07	1.74E-06	1.03E-07	8.32E-07	1.84E-06	8.57E-08	7.02E-07	1.53E-06
8,315	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.96E-08	6.51E-07	1.39E-06	8.48E-08	7.08E-07	1.54E-06	9.83E-08	7.80E-07	1.74E-06	1.03E-07	8.31E-07	1.84E-06	8.57E-08	7.01E-07	1.53E-06
8,316	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.96E-08	6.51E-07	1.39E-06	8.47E-08	7.07E-07	1.54E-06	9.83E-08	7.80E-07	1.74E-06	1.03E-07	8.31E-07	1.84E-06	8.55E-08	7.00E-07	1.53E-06
8,317	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.96E-08	6.51E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.83E-08	7.79E-07	1.73E-06	1.03E-07	8.30E-07	1.84E-06	8.55E-08	7.00E-07	1.53E-06
8,318	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.95E-08	6.51E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.83E-08	7.79E-07	1.73E-06	1.03E-07	8.30E-07	1.83E-06	8.54E-08	7.00E-07	1.53E-06
8,319	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.94E-08	6.50E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.82E-08	7.79E-07	1.73E-06	1.03E-07	8.29E-07	1.83E-06	8.54E-08	6.99E-07	1.53E-06
8,320	1.90E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.94E-08	6.50E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.81E-08	7.79E-07	1.73E-06	1.03E-07	8.29E-07	1.83E-06	8.54E-08	6.99E-07	1.53E-06
8,321	1.89E-07	1.51E-06	3.24E-06	1.51E-07	1.25E-06	2.67E-06	7.94E-08	6.50E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.80E-08	7.78E-07	1.73E-06	1.03E-07	8.29E-07	1.83E-06	8.53E-08	6.99E-07	1.52E-06
8,322	1.89E-07	1.50E-06	3.23E-06	1.51E-07	1.24E-06	2.66E-06	7.93E-08	6.50E-07	1.39E-06	8.47E-08	7.07E-07	1.53E-06	9.80E-08	7.78E-07	1.73E-06	1.03E-07	8.29E-07	1.83E-06	8.53E-08	6.99E-07	1.52E-06
8,323	1.89E-07	1.50E-06	3.23E-06	1.50E-07	1.24E-06	2.66E-06	7.93E-08	6.50E-07	1.39E-06	8.46E-08	7.07E-07	1.53E-06	9.80E-08	7.78E-07	1.73E-06	1.03E-07	8.29E-07	1.83E-06	8.52E-08	6.98E-07	1.52E-06
8,324	1.89E-07	1.50E-06	3.23E-06	1.50E-07	1.24E-06	2.66E-06	7.92E-08	6.50E-07	1.39E-06	8.46E-08	7.07E-07	1.53E-06	9.79E-08	7.77E-07	1.73E-06	1.03E-07	8.27E-07	1.83E-06	8.51E-08	6.98E-07	1.52E-06
8,325	1.89E-07	1.50E-06	3.23E-06	1.50E-07	1.24E-06	2.66E-06	7.92E-08	6.49E-07	1.39E-06	8.45E-08	7.07E-07	1.53E-06	9.79E-08	7.77E-07	1.73E-06	1.03E-07	8.27E-07	1.83E-06	8.51E-08	6.98E-07	1.52E-06
8,326	1.89E-07	1.50E-06	3.23E-06	1.50E-07	1.24E-06	2.66E-06	7.92E-08	6.49E-07	1.39E-06	8.44E-08	7.07E-07	1.53E-06	9.78E-08	7.76E-07	1.73E-06	1.03E-07	8.27E-07	1.83E-06	8.50E-08	6.98E-07	1.52E-06
8,327	1.89E-07	1.50E-06	3.23E-06	1.50E-07	1.24E-06	2.66E-06	7.91E-08	6.48E-07	1.39E-06	8.44E-08	7.06E-07	1.53E-06	9.78E-08	7.76E-07	1.73E-06	1.03E-07	8.27E-07	1.83E-06	8.50E-08	6.97E-07	1.52E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,348	1.85E-07	1.48E-06	3.20E-06	1.49E-07	1.22E-06	2.63E-06	7.83E-08	6.43E-07	1.38E-06	8.36E-08	7.02E-07	1.51E-06	9.65E-08	7.68E-07	1.72E-06	1.02E-07	8.20E-07	1.81E-06	8.41E-08	6.93E-07	1.50E-06
8,349	1.85E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.82E-08	6.42E-07	1.38E-06	8.35E-08	7.01E-07	1.51E-06	9.64E-08	7.67E-07	1.72E-06	1.02E-07	8.20E-07	1.81E-06	8.41E-08	6.93E-07	1.50E-06
8,350	1.85E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.82E-08	6.42E-07	1.37E-06	8.34E-08	7.01E-07	1.51E-06	9.64E-08	7.67E-07	1.72E-06	1.02E-07	8.19E-07	1.81E-06	8.39E-08	6.93E-07	1.50E-06
8,351	1.85E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.81E-08	6.41E-07	1.37E-06	8.33E-08	7.00E-07	1.51E-06	9.64E-08	7.66E-07	1.72E-06	1.02E-07	8.19E-07	1.81E-06	8.38E-08	6.93E-07	1.50E-06
8,352	1.85E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.81E-08	6.40E-07	1.37E-06	8.32E-08	7.00E-07	1.51E-06	9.63E-08	7.66E-07	1.72E-06	1.02E-07	8.19E-07	1.80E-06	8.38E-08	6.92E-07	1.50E-06
8,353	1.84E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.81E-08	6.40E-07	1.37E-06	8.31E-08	7.00E-07	1.51E-06	9.63E-08	7.65E-07	1.72E-06	1.02E-07	8.18E-07	1.80E-06	8.38E-08	6.92E-07	1.50E-06
8,354	1.84E-07	1.48E-06	3.20E-06	1.48E-07	1.22E-06	2.63E-06	7.81E-08	6.39E-07	1.37E-06	8.31E-08	7.00E-07	1.51E-06	9.63E-08	7.64E-07	1.72E-06	1.02E-07	8.18E-07	1.80E-06	8.38E-08	6.92E-07	1.50E-06
8,355	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.81E-08	6.39E-07	1.37E-06	8.30E-08	6.99E-07	1.51E-06	9.63E-08	7.64E-07	1.72E-06	1.02E-07	8.17E-07	1.80E-06	8.38E-08	6.92E-07	1.50E-06
8,356	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.81E-08	6.39E-07	1.37E-06	8.29E-08	6.99E-07	1.51E-06	9.62E-08	7.64E-07	1.71E-06	1.02E-07	8.17E-07	1.80E-06	8.37E-08	6.92E-07	1.50E-06
8,357	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.80E-08	6.39E-07	1.37E-06	8.28E-08	6.99E-07	1.51E-06	9.62E-08	7.64E-07	1.71E-06	1.02E-07	8.17E-07	1.80E-06	8.37E-08	6.92E-07	1.50E-06
8,358	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.80E-08	6.38E-07	1.37E-06	8.27E-08	6.98E-07	1.50E-06	9.61E-08	7.63E-07	1.71E-06	1.02E-07	8.16E-07	1.80E-06	8.37E-08	6.92E-07	1.49E-06
8,359	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.79E-08	6.38E-07	1.37E-06	8.27E-08	6.98E-07	1.50E-06	9.61E-08	7.63E-07	1.71E-06	1.02E-07	8.16E-07	1.80E-06	8.36E-08	6.92E-07	1.49E-06
8,360	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.62E-06	7.79E-08	6.38E-07	1.37E-06	8.26E-08	6.98E-07	1.50E-06	9.61E-08	7.62E-07	1.71E-06	1.01E-07	8.16E-07	1.80E-06	8.36E-08	6.91E-07	1.49E-06
8,361	1.84E-07	1.48E-06	3.19E-06	1.48E-07	1.22E-06	2.61E-06	7.78E-08	6.38E-07	1.37E-06	8.26E-08	6.98E-07	1.50E-06	9.60E-08	7.61E-07	1.71E-06	1.01E-07	8.16E-07	1.80E-06	8.35E-08	6.91E-07	1.49E-06
8,362	1.84E-07	1.48E-06	3.18E-06	1.48E-07	1.21E-06	2.61E-06	7.78E-08	6.38E-07	1.37E-06	8.25E-08	6.98E-07	1.50E-06	9.60E-08	7.61E-07	1.71E-06	1.01E-07	8.16E-07	1.80E-06	8.35E-08	6.90E-07	1.49E-06
8,363	1.84E-07	1.48E-06	3.18E-06	1.48E-07	1.21E-06	2.61E-06	7.78E-08	6.38E-07	1.37E-06	8.25E-08	6.98E-07	1.50E-06	9.60E-08	7.61E-07	1.71E-06	1.01E-07	8.16E-07	1.80E-06	8.35E-08	6.89E-07	1.49E-06
8,364	1.84E-07	1.47E-06	3.18E-06	1.48E-07	1.21E-06	2.61E-06	7.77E-08	6.37E-07	1.37E-06	8.23E-08	6.98E-07	1.50E-06	9.60E-08	7.60E-07	1.71E-06	1.01E-07	8.15E-07	1.80E-06	8.34E-08	6.89E-07	1.49E-06
8,365	1.84E-07	1.47E-06	3.18E-06	1.48E-07	1.21E-06	2.60E-06	7.77E-08	6.37E-07	1.37E-06	8.22E-08	6.97E-07	1.50E-06	9.59E-08	7.60E-07	1.71E-06	1.01E-07	8.15E-07	1.80E-06	8.34E-08	6.88E-07	1.49E-06
8,366	1.84E-07	1.47E-06	3.18E-06	1.48E-07	1.21E-06	2.60E-06	7.75E-08	6.36E-07	1.37E-06	8.22E-08	6.97E-07	1.50E-06	9.59E-08	7.59E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.34E-08	6.88E-07	1.49E-06
8,367	1.84E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.75E-08	6.36E-07	1.36E-06	8.22E-08	6.97E-07	1.50E-06	9.59E-08	7.59E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.34E-08	6.88E-07	1.49E-06
8,368	1.83E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.74E-08	6.36E-07	1.36E-06	8.22E-08	6.97E-07	1.50E-06	9.58E-08	7.59E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.33E-08	6.87E-07	1.49E-06
8,369	1.83E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.74E-08	6.35E-07	1.36E-06	8.21E-08	6.97E-07	1.50E-06	9.58E-08	7.59E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.33E-08	6.86E-07	1.49E-06
8,370	1.83E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.74E-08	6.35E-07	1.36E-06	8.20E-08	6.96E-07	1.50E-06	9.57E-08	7.59E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.33E-08	6.86E-07	1.49E-06
8,371	1.83E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.74E-08	6.35E-07	1.36E-06	8.20E-08	6.96E-07	1.49E-06	9.57E-08	7.58E-07	1.71E-06	1.01E-07	8.15E-07	1.79E-06	8.33E-08	6.86E-07	1.49E-06
8,372	1.83E-07	1.47E-06	3.17E-06	1.47E-07	1.21E-06	2.60E-06	7.74E-08	6.35E-07	1.36E-06	8.20E-08	6.95E-07	1.49E-06	9.56E-08	7.58E-07	1.70E-06	1.01E-07	8.14E-07	1.79E-06	8.33E-08	6.86E-07	1.49E-06
8,373	1.83E-07	1.47E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.73E-08	6.35E-07	1.36E-06	8.20E-08	6.95E-07	1.49E-06	9.56E-08	7.58E-07	1.70E-06	1.01E-07	8.14E-07	1.79E-06	8.33E-08	6.86E-07	1.49E-06
8,374	1.83E-07	1.47E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.73E-08	6.35E-07	1.36E-06	8.20E-08	6.95E-07	1.49E-06	9.55E-08	7.57E-07	1.70E-06	1.01E-07	8.13E-07	1.79E-06	8.33E-08	6.86E-07	1.48E-06
8,375	1.83E-07	1.47E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.73E-08	6.34E-07	1.36E-06	8.19E-08	6.95E-07	1.49E-06	9.55E-08	7.57E-07	1.70E-06	1.00E-07	8.13E-07	1.79E-06	8.32E-08	6.86E-07	1.48E-06
8,376	1.83E-07	1.47E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.72E-08	6.34E-07	1.36E-06	8.19E-08	6.95E-07	1.49E-06	9.54E-08	7.56E-07	1.70E-06	1.00E-07	8.13E-07	1.79E-06	8.32E-08	6.85E-07	1.48E-06
8,377	1.82E-07	1.46E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.72E-08	6.33E-07	1.36E-06	8.19E-08	6.95E-07	1.49E-06	9.54E-08	7.56E-07	1.70E-06	1.00E-07	8.13E-07	1.79E-06	8.31E-08	6.84E-07	1.48E-06
8,378	1.82E-07	1.46E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.72E-08	6.33E-07	1.36E-06	8.19E-08	6.94E-07	1.48E-06	9.54E-08	7.55E-07	1.70E-06	1.00E-07	8.12E-07	1.78E-06	8.31E-08	6.83E-07	1.48E-06
8,379	1.82E-07	1.46E-06	3.16E-06	1.47E-07	1.21E-06	2.59E-06	7.72E-08	6.33E-07	1.36E-06	8.18E-08	6.94E-07	1.48E-06	9.54E-08	7.55E-07	1.70E-06	1.00E-07	8.12E-07	1.78E-06	8.30E-08	6.83E-07	1.48E-06
8,380	1.82E-07	1.46E-06	3.15E-06	1.46E-07	1.21E-06	2.59E-06	7.72E-08	6.33E-07	1.36E-06	8.17E-08	6.94E-07	1.48E-06	9.52E-08	7.55E-07	1.70E-06	1.00E-07	8.12E-07	1.78E-06	8.30E-08	6.82E-07	1.48E-06
8,381	1.82E-07	1.46E-06	3.15E-06	1.46E-07	1.21E-06	2.59E-06	7.71E-08	6.33E-07	1.36E-06	8.17E-08	6.94E-07	1.48E-06	9.52E-08	7.55E-07	1.70E-06	1.00E-07	8.12E-07	1.78E-06	8.30E-08	6.82E-07	1.48E-06
8,382	1.82E-07	1.46E-06	3.15E-06	1.46E-07	1.21E-06	2.59E-06	7.71E-08	6.31E-07	1.36E-06	8.16E-08	6.94E-07	1.48E-06	9.52E-08	7.55E-07	1.70E-06	1.00E-07	8.11E-07	1.78E-06	8.30E-08	6.82E-07	1.48E-06
8,383	1.81E-07	1.45E-06	3.15E-06	1.46E-07	1.20E-06	2.59E-06	7.71E-08	6.31E-07	1.36E-06	8.16E-08	6.93E-07	1.48E-06	9.51E-08	7.54E-07	1.69E-06	1.00E-07	8.11E-07	1.78E-06	8.30E-08	6.82E-07	1.48E-06
8,384	1.81E-07	1.45E-06	3.15E-06	1.46E-07	1.20E-06	2.59E-06	7.71E-08	6.31E-07	1.36E-06	8.16E-08	6.93E-07	1.48E-06	9.51E-08	7.54E-07	1.69E-06	1.00E-07	8.11E-07	1.78E-06	8.30E-08	6.82E-07	1.48E-06
8,385	1.81E-07	1.45E-06	3.15E-06	1.46E-07	1.20E-06	2.59E-06	7.71E-08	6.31E-07	1.36E-06	8.15E-08	6.93E-07	1.48E-06	9.51E-08	7.53E-07	1.69E-06	1.00E-07	8.10E-07	1.78E-06	8.29E-08	6.82E-07	1.48E-06
8,386	1.81E-07	1.45E-06	3.15E-06	1.45E-07	1.20E-06	2.58E-06	7.70E-08	6.29E-07	1.35E-06	8.14E-08	6.92E-07	1.48E-06	9.50E-08	7.53E-07	1.69E-06	1.00E-07	8.10E-07	1.78E-06	8.29E-08	6.82E-07	1.48E-06
8,387	1.81E-07	1.45E-06	3.15E-06	1.45E-07	1.20E-06	2.58E-06	7.70E-08	6.29E-07	1.35E-06	8.13E-08	6.92E-07	1.48E-06	9.50E-08	7.52E-07	1.69E-06	1.00E-07	8.08E-07	1.78E-06	8.28E-08	6.82E-07	1.48E-06
8,388	1.81E-07	1.45E-06	3.15E-06	1.45E-07	1.20E-06	2.58E-06	7.70E-08	6.29E-07	1.35E-06	8.13E-08	6.91E-07	1.48E-06	9.49E-08	7.52E-07	1.69E-06	1.00E-07	8.08E-07	1.78E-06	8.28E-08	6.82E-07	1.48E-06
8,389	1.81E-07	1.45E-06	3.15E-06	1.45E-07	1.20E-06	2.58E-06	7.69E-08	6.29E-07	1.35E-06	8.12E-08	6.91E-07	1.48E-06	9.49E-08	7.51E-07	1.69E-06	1.00E-07	8.08E-07	1.78E-06	8.26E-08	6.82E-07	1.48E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,410	1.80E-07	1.43E-06	3.11E-06	1.43E-07	1.18E-06	2.56E-06	7.59E-08	6.22E-07	1.34E-06	8.05E-08	6.82E-07	1.47E-06	9.41E-08	7.41E-07	1.67E-06	9.91E-08	7.98E-07	1.76E-06	8.18E-08	6.76E-07	1.45E-06
8,411	1.79E-07	1.43E-06	3.11E-06	1.43E-07	1.18E-06	2.56E-06	7.58E-08	6.22E-07	1.34E-06	8.05E-08	6.81E-07	1.47E-06	9.40E-08	7.39E-07	1.67E-06	9.89E-08	7.97E-07	1.76E-06	8.18E-08	6.75E-07	1.45E-06
8,412	1.79E-07	1.43E-06	3.11E-06	1.43E-07	1.18E-06	2.56E-06	7.58E-08	6.22E-07	1.34E-06	8.05E-08	6.81E-07	1.47E-06	9.39E-08	7.39E-07	1.67E-06	9.89E-08	7.96E-07	1.76E-06	8.18E-08	6.75E-07	1.45E-06
8,413	1.79E-07	1.43E-06	3.10E-06	1.43E-07	1.18E-06	2.56E-06	7.57E-08	6.21E-07	1.34E-06	8.04E-08	6.81E-07	1.47E-06	9.39E-08	7.39E-07	1.67E-06	9.88E-08	7.96E-07	1.76E-06	8.18E-08	6.75E-07	1.45E-06
8,414	1.79E-07	1.43E-06	3.10E-06	1.43E-07	1.18E-06	2.56E-06	7.57E-08	6.21E-07	1.34E-06	8.03E-08	6.81E-07	1.47E-06	9.39E-08	7.39E-07	1.67E-06	9.88E-08	7.96E-07	1.75E-06	8.18E-08	6.75E-07	1.45E-06
8,415	1.79E-07	1.43E-06	3.10E-06	1.43E-07	1.18E-06	2.56E-06	7.57E-08	6.21E-07	1.34E-06	8.02E-08	6.81E-07	1.47E-06	9.39E-08	7.38E-07	1.67E-06	9.88E-08	7.95E-07	1.75E-06	8.17E-08	6.75E-07	1.45E-06
8,416	1.79E-07	1.43E-06	3.10E-06	1.43E-07	1.18E-06	2.56E-06	7.57E-08	6.21E-07	1.34E-06	8.02E-08	6.80E-07	1.47E-06	9.38E-08	7.38E-07	1.67E-06	9.87E-08	7.95E-07	1.75E-06	8.16E-08	6.75E-07	1.45E-06
8,417	1.79E-07	1.43E-06	3.09E-06	1.43E-07	1.18E-06	2.56E-06	7.57E-08	6.21E-07	1.34E-06	8.02E-08	6.80E-07	1.46E-06	9.38E-08	7.38E-07	1.67E-06	9.87E-08	7.95E-07	1.75E-06	8.16E-08	6.74E-07	1.45E-06
8,418	1.79E-07	1.42E-06	3.09E-06	1.43E-07	1.18E-06	2.55E-06	7.56E-08	6.21E-07	1.34E-06	8.02E-08	6.79E-07	1.46E-06	9.37E-08	7.38E-07	1.67E-06	9.87E-08	7.94E-07	1.75E-06	8.15E-08	6.74E-07	1.45E-06
8,419	1.79E-07	1.42E-06	3.09E-06	1.43E-07	1.18E-06	2.55E-06	7.56E-08	6.21E-07	1.34E-06	8.02E-08	6.79E-07	1.46E-06	9.37E-08	7.38E-07	1.67E-06	9.87E-08	7.94E-07	1.75E-06	8.15E-08	6.73E-07	1.45E-06
8,420	1.79E-07	1.42E-06	3.09E-06	1.43E-07	1.18E-06	2.55E-06	7.55E-08	6.21E-07	1.34E-06	8.01E-08	6.79E-07	1.46E-06	9.36E-08	7.38E-07	1.67E-06	9.86E-08	7.94E-07	1.75E-06	8.15E-08	6.73E-07	1.45E-06
8,421	1.79E-07	1.42E-06	3.09E-06	1.43E-07	1.18E-06	2.55E-06	7.55E-08	6.20E-07	1.34E-06	8.01E-08	6.79E-07	1.46E-06	9.36E-08	7.38E-07	1.66E-06	9.85E-08	7.93E-07	1.75E-06	8.14E-08	6.72E-07	1.45E-06
8,422	1.79E-07	1.42E-06	3.09E-06	1.43E-07	1.18E-06	2.55E-06	7.55E-08	6.20E-07	1.34E-06	8.00E-08	6.79E-07	1.46E-06	9.36E-08	7.37E-07	1.66E-06	9.85E-08	7.93E-07	1.75E-06	8.14E-08	6.72E-07	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,472	1.73E-07	1.39E-06	3.02E-06	1.39E-07	1.13E-06	2.48E-06	7.32E-08	6.07E-07	1.31E-06	7.76E-08	6.61E-07	1.43E-06	9.16E-08	7.21E-07	1.63E-06	9.59E-08	7.75E-07	1.70E-06	7.96E-08	6.59E-07	1.42E-06
8,473	1.73E-07	1.39E-06	3.02E-06	1.39E-07	1.13E-06	2.48E-06	7.32E-08	6.07E-07	1.31E-06	7.75E-08	6.61E-07	1.43E-06	9.14E-08	7.21E-07	1.63E-06	9.59E-08	7.75E-07	1.70E-06	7.96E-08	6.58E-07	1.42E-06
8,474	1.73E-07	1.39E-06	3.02E-06	1.39E-07	1.13E-06	2.48E-06	7.31E-08	6.07E-07	1.31E-06	7.75E-08	6.61E-07	1.43E-06	9.12E-08	7.21E-07	1.63E-06	9.58E-08	7.74E-07	1.70E-06	7.96E-08	6.58E-07	1.42E-06
8,475	1.73E-07	1.39E-06	3.02E-06	1.39E-07	1.13E-06	2.48E-06	7.31E-08	6.07E-07	1.31E-06	7.75E-08	6.61E-07	1.43E-06	9.11E-08	7.21E-07	1.62E-06	9.58E-08	7.73E-07	1.70E-06	7.96E-08	6.56E-07	1.41E-06
8,476	1.73E-07	1.39E-06	3.02E-06	1.39E-07	1.13E-06	2.48E-06	7.31E-08	6.07E-07	1.31E-06	7.75E-08	6.61E-07	1.43E-06	9.11E-08	7.20E-07	1.62E-06	9.58E-08	7.73E-07	1.70E-06	7.95E-08	6.56E-07	1.41E-06
8,477	1.73E-07	1.39E-06	3.01E-06	1.39E-07	1.13E-06	2.48E-06	7.31E-08	6.07E-07	1.31E-06	7.75E-08	6.60E-07	1.43E-06	9.11E-08	7.19E-07	1.62E-06	9.58E-08	7.72E-07	1.70E-06	7.95E-08	6.55E-07	1.41E-06
8,478	1.73E-07	1.38E-06	3.01E-06	1.39E-07	1.13E-06	2.48E-06	7.30E-08	6.06E-07	1.31E-06	7.74E-08	6.60E-07	1.43E-06	9.10E-08	7.19E-07	1.62E-06	9.58E-08	7.72E-07	1.70E-06	7.94E-08	6.55E-07	1.41E-06
8,479	1.73E-07	1.38E-06	3.01E-06	1.39E-07	1.13E-06	2.47E-06	7.29E-08	6.06E-07	1.31E-06	7.74E-08	6.59E-07	1.42E-06	9.10E-08	7.19E-07	1.62E-06	9.56E-08	7.72E-07	1.70E-06	7.93E-08	6.54E-07	1.41E-06
8,480	1.73E-07	1.38E-06	3.01E-06	1.38E-07	1.13E-06	2.47E-06	7.29E-08	6.06E-07	1.31E-06	7.74E-08	6.59E-07	1.42E-06	9.10E-08	7.18E-07	1.62E-06	9.56E-08	7.72E-07	1.70E-06	7.93E-08	6.54E-07	1.41E-06
8,481	1.73E-07	1.38E-06	3.00E-06	1.38E-07	1.13E-06	2.47E-06	7.28E-08	6.06E-07	1.31E-06	7.74E-08	6.58E-07	1.42E-06	9.10E-08	7.18E-07	1.62E-06	9.55E-08	7.71E-07	1.70E-06	7.93E-08	6.54E-07	1.41E-06
8,482	1.72E-07	1.38E-06	3.00E-06	1.38E-07	1.13E-06	2.47E-06	7.28E-08	6.06E-07	1.31E-06	7.73E-08	6.57E-07	1.42E-06	9.10E-08	7.18E-07	1.62E-06	9.55E-08	7.70E-07	1.70E-06	7.92E-08	6.54E-07	1.41E-06
8,483	1.72E-07	1.38E-06	3.00E-06	1.38E-07	1.13E-06	2.47E-06	7.28E-08	6.05E-07	1.31E-06	7.73E-08	6.57E-07	1.42E-06	9.08E-08	7.17E-07	1.62E-06	9.55E-08	7.69E-07	1.70E-06	7.92E-08	6.54E-07	1.41E-06
8,484	1.72E-07	1.38E-06	3.00E-06	1.38E-07	1.13E-06	2.47E-06	7.28E-08	6.05E-07	1.31E-06	7.72E-08	6.56E-07	1.42E-06	9.08E-08	7.17E-07	1.62E-06	9.55E-08	7.69E-07	1.69E-06	7.91E-08	6.53E-07	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,534	1.68E-07	1.34E-06	2.93E-06	1.35E-07	1.10E-06	2.41E-06	7.05E-08	5.87E-07	1.29E-06	7.56E-08	6.40E-07	1.39E-06	8.86E-08	6.98E-07	1.57E-06	9.35E-08	7.50E-07	1.66E-06	7.70E-08	6.38E-07	1.38E-06
8,535	1.68E-07	1.34E-06	2.93E-06	1.35E-07	1.10E-06	2.40E-06	7.05E-08	5.87E-07	1.29E-06	7.56E-08	6.40E-07	1.39E-06	8.86E-08	6.98E-07	1.57E-06	9.34E-08	7.50E-07	1.66E-06	7.70E-08	6.38E-07	1.38E-06
8,536	1.68E-07	1.34E-06	2.93E-06	1.35E-07	1.10E-06	2.40E-06	7.05E-08	5.87E-07	1.29E-06	7.56E-08	6.40E-07	1.39E-06	8.85E-08	6.98E-07	1.57E-06	9.34E-08	7.49E-07	1.66E-06	7.70E-08	6.38E-07	1.38E-06
8,537	1.68E-07	1.34E-06	2.93E-06	1.35E-07	1.10E-06	2.40E-06	7.05E-08	5.87E-07	1.29E-06	7.56E-08	6.40E-07	1.39E-06	8.85E-08	6.98E-07	1.57E-06	9.34E-08	7.48E-07	1.65E-06	7.69E-08	6.37E-07	1.38E-06
8,538	1.68E-07	1.34E-06	2.93E-06	1.35E-07	1.10E-06	2.40E-06	7.04E-08	5.86E-07	1.28E-06	7.54E-08	6.40E-07	1.39E-06	8.85E-08	6.97E-07	1.57E-06	9.34E-08	7.48E-07	1.65E-06	7.69E-08	6.37E-07	1.37E-06
8,539	1.68E-07	1.34E-06	2.93E-06	1.34E-07	1.10E-06	2.40E-06	7.03E-08	5.86E-07	1.28E-06	7.54E-08	6.40E-07	1.39E-06	8.85E-08	6.96E-07	1.57E-06	9.34E-08	7.48E-07	1.65E-06	7.69E-08	6.37E-07	1.37E-06
8,540	1.68E-07	1.34E-06	2.92E-06	1.34E-07	1.10E-06	2.40E-06	7.03E-08	5.86E-07	1.28E-06	7.54E-08	6.40E-07	1.39E-06	8.84E-08	6.96E-07	1.57E-06	9.34E-08	7.48E-07	1.65E-06	7.68E-08	6.37E-07	1.37E-06
8,541	1.68E-07	1.34E-06	2.92E-06	1.34E-07	1.10E-06	2.39E-06	7.03E-08	5.86E-07	1.28E-06	7.53E-08	6.40E-07	1.39E-06	8.83E-08	6.95E-07	1.57E-06	9.33E-08	7.48E-07	1.65E-06	7.68E-08	6.37E-07	1.37E-06
8,542	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.10E-06	2.39E-06	7.03E-08	5.86E-07	1.28E-06	7.53E-08	6.39E-07	1.39E-06	8.83E-08	6.95E-07	1.57E-06	9.33E-08	7.48E-07	1.65E-06	7.68E-08	6.37E-07	1.37E-06
8,543	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.10E-06	2.39E-06	7.03E-08	5.85E-07	1.28E-06	7.53E-08	6.39E-07	1.39E-06	8.83E-08	6.95E-07	1.57E-06	9.33E-08	7.48E-07	1.65E-06	7.67E-08	6.37E-07	1.37E-06
8,544	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.39E-06	7.02E-08	5.85E-07	1.28E-06	7.53E-08	6.39E-07	1.39E-06	8.81E-08	6.95E-07	1.57E-06	9.33E-08	7.48E-07	1.65E-06	7.67E-08	6.36E-07	1.37E-06
8,545	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.39E-06	7.02E-08	5.85E-07	1.28E-06	7.53E-08	6.38E-07	1.38E-06	8.81E-08	6.95E-07	1.57E-06	9.33E-08	7.47E-07	1.65E-06	7.67E-08	6.36E-07	1.37E-06
8,546	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.39E-06	7.02E-08	5.85E-07	1.28E-06	7.52E-08	6.38E-07	1.38E-06	8.81E-08	6.94E-07	1.57E-06	9.32E-08	7.47E-07	1.65E-06	7.66E-08	6.36E-07	1.37E-06
8,547	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.39E-06	7.01E-08	5.84E-07	1.28E-06	7.51E-08	6.38E-07	1.38E-06	8.80E-08	6.94E-07	1.56E-06	9.32E-08	7.47E-07	1.65E-06	7.66E-08	6.36E-07	1.37E-06
8,548	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.38E-06	7.01E-08	5.84E-07	1.28E-06	7.51E-08	6.38E-07	1.38E-06	8.80E-08	6.93E-07	1.56E-06	9.31E-08	7.47E-07	1.65E-06	7.65E-08	6.36E-07	1.37E-06
8,549	1.67E-07	1.34E-06	2.92E-06	1.34E-07	1.09E-06	2.38E-06	7.01E-08	5.84E-07	1.28E-06	7.50E-08	6.38E-07	1.38E-06	8.80E-08	6.93E-07	1.56E-06	9.31E-08	7.47E-07	1.65E-06	7.65E-08	6.36E-07	1.37E-06
8,550	1.67E-07	1.33E-06	2.92E-06	1.34E-07	1.09E-06	2.38E-06	7.00E-08	5.84E-07	1.28E-06	7.50E-08	6.38E-07	1.38E-06	8.79E-08	6.92E-07	1.56E-06	9.31E-08	7.46E-07	1.65E-06	7.65E-08	6.35E-07	1.37E-06
8,551	1.67E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.38E-06	7.00E-08	5.83E-07	1.28E-06	7.50E-08	6.38E-07	1.38E-06	8.78E-08	6.92E-07	1.56E-06	9.31E-08	7.45E-07	1.65E-06	7.64E-08	6.34E-07	1.37E-06
8,552	1.67E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.38E-06	7.00E-08	5.83E-07	1.28E-06	7.49E-08	6.38E-07	1.38E-06	8.78E-08	6.92E-07	1.56E-06	9.30E-08	7.45E-07	1.64E-06	7.64E-08	6.34E-07	1.37E-06
8,553	1.67E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.38E-06	7.00E-08	5.83E-07	1.28E-06	7.49E-08	6.37E-07	1.38E-06	8.78E-08	6.92E-07	1.56E-06	9.29E-08	7.44E-07	1.64E-06	7.64E-08	6.34E-07	1.37E-06
8,554	1.67E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.38E-06	6.99E-08	5.83E-07	1.28E-06	7.48E-08	6.37E-07	1.38E-06	8.77E-08	6.92E-07	1.56E-06	9.29E-08	7.44E-07	1.64E-06	7.64E-08	6.34E-07	1.37E-06
8,555	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.98E-08	5.83E-07	1.28E-06	7.48E-08	6.36E-07	1.38E-06	8.77E-08	6.91E-07	1.56E-06	9.28E-08	7.43E-07	1.64E-06	7.64E-08	6.34E-07	1.37E-06
8,556	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.98E-08	5.83E-07	1.27E-06	7.48E-08	6.36E-07	1.38E-06	8.75E-08	6.91E-07	1.56E-06	9.28E-08	7.43E-07	1.64E-06	7.63E-08	6.33E-07	1.37E-06
8,557	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.97E-08	5.82E-07	1.27E-06	7.48E-08	6.36E-07	1.38E-06	8.75E-08	6.90E-07	1.56E-06	9.28E-08	7.43E-07	1.64E-06	7.63E-08	6.33E-07	1.36E-06
8,558	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.97E-08	5.82E-07	1.27E-06	7.47E-08	6.36E-07	1.37E-06	8.74E-08	6.89E-07	1.56E-06	9.28E-08	7.42E-07	1.64E-06	7.63E-08	6.33E-07	1.36E-06
8,559	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.96E-08	5.82E-07	1.27E-06	7.47E-08	6.36E-07	1.37E-06	8.74E-08	6.89E-07	1.56E-06	9.28E-08	7.42E-07	1.63E-06	7.62E-08	6.33E-07	1.36E-06
8,560	1.66E-07	1.33E-06	2.91E-06	1.33E-07	1.09E-06	2.37E-06	6.96E-08	5.81E-07	1.27E-06	7.47E-08	6.36E-07	1.37E-06	8.74E-08	6.89E-07	1.56E-06	9.27E-08	7.42E-07	1.63E-06	7.62E-08	6.32E-07	1.36E-06
8,561	1.66E-07	1.33E-06	2.90E-06	1.33E-07	1.09E-06	2.37E-06	6.96E-08	5.81E-07	1.27E-06	7.46E-08	6.36E-07	1.37E-06	8.72E-08	6.89E-07	1.55E-06	9.27E-08	7.40E-07	1.63E-06	7.62E-08	6.31E-07	1.36E-06
8,562	1.66E-07	1.32E-06	2.90E-06	1.33E-07	1.09E-06	2.37E-06	6.95E-08	5.81E-07	1.27E-06	7.46E-08	6.35E-07	1.37E-06	8.72E-08	6.88E-07	1.55E-06	9.26E-08	7.40E-07	1.63E-06	7.61E-08	6.31E-07	1.36E-06
8,563	1.65E-07	1.32E-06	2.90E-06	1.33E-07	1.09E-06	2.37E-06	6.95E-08	5.81E-07	1.27E-06	7.45E-08	6.35E-07	1.37E-06	8.72E-08	6.87E-07	1.55E-06	9.26E-08	7.39E-07	1.63E-06	7.61E-08	6.30E-07	1.36E-06
8,564	1.65E-07	1.32E-06	2.90E-06	1.33E-07	1.09E-06	2.37E-06	6.95E-08	5.80E-07	1.27E-06	7.45E-08	6.33E-07	1.37E-06	8.70E-08	6.87E-07	1.55E-06	9.26E-08	7.39E-07	1.63E-06	7.60E-08	6.30E-07	1.36E-06
8,565	1.65E-07	1.32E-06	2.90E-06	1.33E-07	1.09E-06	2.37E-06	6.95E-08	5.80E-07	1.27E-06	7.44E-08	6.33E-07	1.37E-06	8.70E-08	6.86E-07	1.55E-06	9.25E-08	7.39E-07	1.63E-06	7.59E-08	6.30E-07	1.36E-06
8,566	1.65E-07	1.32E-06	2.89E-06	1.32E-07	1.08E-06	2.36E-06	6.94E-08	5.80E-07	1.27E-06	7.44E-08	6.32E-07	1.37E-06	8.70E-08	6.86E-07	1.55E-06	9.24E-08	7.38E-07	1.63E-06	7.59E-08	6.30E-07	1.36E-06
8,567	1.65E-07	1.32E-06	2.89E-06	1.32E-07	1.08E-06	2.36E-06	6.93E-08	5.80E-07	1.27E-06	7.43E-08	6.32E-07	1.37E-06	8.69E-08	6.86E-07	1.55E-06	9.24E-08	7.38E-07	1.63E-06	7.59E-08	6.30E-07	1.36E-06
8,568	1.65E-07	1.32E-06	2.89E-06	1.32E-07	1.08E-06	2.36E-06	6.93E-08	5.80E-07	1.27E-06	7.43E-08	6.32E-07	1.37E-06	8.69E-08	6.86E-07	1.55E-06	9.24E-08	7.38E-07	1.63E-06	7.58E-08	6.30E-07	1.36E-06
8,569	1.65E-07	1.32E-06	2.89E-06	1.32E-07	1.08E-06	2.36E-06	6.93E-08	5.80E-07	1.27E-06	7.43E-08	6.31E-07	1.37E-06	8.68E-08	6.85E-07	1.54E-06	9.24E-08	7.37E-07	1.63E-06	7.58E-08	6.30E-07	1.36E-06
8,570	1.65E-07	1.32E-06	2.89E-06	1.32E-07	1.08E-06	2.36E-06	6.92E-08	5.79E-07	1.27E-06	7.42E-08	6.31E-07	1.37E-06	8.67E-08	6.85E-07	1.54E-06	9.23E-08	7.37E-07	1.63E-06	7.58E-08	6.30E-07	1.36E-06
8,571	1.65E-07	1.32E-06	2.88E-06	1.32E-07	1.08E-06	2.36E-06	6.92E-08	5.79E-07	1.27E-06	7.42E-08	6.31E-07	1.36E-06	8.67E-08	6.85E-07	1.54E-06	9.23E-08	7.36E-07	1.63E-06	7.58E-08	6.30E-07	1.36E-06
8,572	1.65E-07	1.32E-06	2.88E-06	1.32E-07	1.08E-06	2.36E-06	6.92E-08	5.78E-07	1.26E-06	7.42E-08	6.31E-07	1.36E-06	8.67E-08	6.85E-07	1.54E-06	9.23E-08	7.36E-07	1.63E-06	7.57E-08	6.29E-07	1.36E-06
8,573	1.65E-07	1.32E-06	2.88E-06	1.32E-07	1.08E-06	2.35E-06	6.92E-08	5.78E-07	1.26E-06	7.41E-08	6.30E-07	1.36E-06	8.67E-08	6.85E-07	1.54E-06	9.22E-08	7.35E-07	1.63E-06	7.57E-08	6.28E-07	1.36E-06
8,574	1.65E-07	1.32E-06	2.88E-06	1.32E-07	1.08E-06	2.35E-06	6.91E-08	5.77E-07	1.26E-06	7.40E-08	6.29E-07	1.36E-06	8.67E-08	6.85E-07	1.54E-06	9.22E-08	7.35E-07	1.63E-06	7.57E-08	6.28E-07	1.36E-06
8,575	1.64E-07	1.32E-06	2.88E-06	1.32E-07	1.08E-06	2.35E-06	6.91E-08	5.77E-07	1.26E-06	7.39E-08	6.29E-07	1.36E-06	8.67E-08	6.85E-07	1.54E-06	9.22E-08	7.35E-07	1.62E-06	7.57E-08	6.28E-07	1.36E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,596	1.62E-07	1.30E-06	2.84E-06	1.30E-07	1.06E-06	2.32E-06	6.83E-08	5.72E-07	1.25E-06	7.29E-08	6.24E-07	1.35E-06	8.60E-08	6.80E-07	1.52E-06	9.13E-08	7.27E-07	1.60E-06	7.47E-08	6.22E-07	1.34E-06
8,597	1.62E-07	1.30E-06	2.84E-06	1.30E-07	1.06E-06	2.32E-06	6.83E-08	5.72E-07	1.25E-06	7.29E-08	6.24E-07	1.34E-06	8.59E-08	6.79E-07	1.52E-06	9.13E-08	7.27E-07	1.60E-06	7.46E-08	6.22E-07	1.34E-06
8,598	1.62E-07	1.30E-06	2.84E-06	1.30E-07	1.06E-06	2.32E-06	6.83E-08	5.71E-07	1.25E-06	7.28E-08	6.24E-07	1.34E-06	8.59E-08	6.79E-07	1.51E-06	9.12E-08	7.27E-07	1.60E-06	7.46E-08	6.22E-07	1.34E-06
8,599	1.62E-07	1.30E-06	2.83E-06	1.30E-07	1.06E-06	2.32E-06	6.82E-08	5.71E-07	1.25E-06	7.28E-08	6.24E-07	1.34E-06	8.59E-08	6.78E-07	1.51E-06	9.12E-08	7.27E-07	1.60E-06	7.45E-08	6.22E-07	1.34E-06
8,600	1.62E-07	1.30E-06	2.83E-06	1.29E-07	1.06E-06	2.32E-06	6.82E-08	5.71E-07	1.25E-06	7.26E-08	6.23E-07	1.34E-06	8.59E-08	6.78E-07	1.51E-06	9.10E-08	7.26E-07	1.60E-06	7.45E-08	6.21E-07	1.34E-06
8,601	1.62E-07	1.30E-06	2.83E-06	1.29E-07	1.06E-06	2.32E-06	6.82E-08	5.71E-07	1.25E-06	7.26E-08	6.23E-07	1.34E-06	8.59E-08	6.78E-07	1.51E-06	9.10E-08	7.24E-07	1.60E-06	7.45E-08	6.20E-07	1.34E-06
8,602	1.62E-07	1.30E-06	2.83E-06	1.29E-07	1.06E-06	2.32E-06	6.82E-08	5.70E-07	1.25E-06	7.25E-08	6.22E-07	1.34E-06	8.59E-08	6.78E-07	1.51E-06	9.10E-08	7.23E-07	1.60E-06	7.45E-08	6.20E-07	1.34E-06
8,603	1.62E-07	1.30E-06	2.83E-06	1.29E-07	1.06E-06	2.32E-06	6.82E-08	5.70E-07	1.25E-06	7.25E-08	6.22E-07	1.34E-06	8.58E-08	6.78E-07	1.51E-06	9.09E-08	7.23E-07	1.60E-06	7.44E-08	6.20E-07	1.34E-06
8,604	1.62E-07	1.30E-06	2.82E-06	1.29E-07	1.06E-06	2.32E-06	6.81E-08	5.70E-07	1.24E-06	7.25E-08	6.22E-07	1.34E-06	8.57E-08	6.77E-07	1.51E-06	9.08E-08	7.23E-07	1.60E-06	7.44E-08	6.20E-07	1.34E-06
8,605	1.62E-07	1.30E-06	2.82E-06	1.29E-07	1.06E-06	2.31E-06	6.81E-08	5.69E-07	1.24E-06	7.24E-08	6.22E-07	1.34E-06	8.57E-08	6.77E-07	1.51E-06	9.08E-08	7.22E-07	1.60E-06	7.44E-08	6.19E-07	1.34E-06
8,606	1.62E-07	1.30E-06	2.82E-06	1.29E-07	1.06E-06	2.31E-06	6.81E-08	5.69E-07	1.24E-06	7.24E-08	6.22E-07	1.34E-06	8.56E-08	6.77E-07	1.51E-06	9.07E-08	7.22E-07	1.60E-06	7.44E-08	6.19E-07	1.34E-06
8,607	1.62E-07	1.30E-06	2.82E-06	1.29E-07	1.06E-06	2.31E-06	6.80E-08	5.68E-07	1.24E-06	7.24E-08	6.22E-07	1.34E-06	8.55E-08	6.76E-07	1.51E-06	9.07E-08	7.22E-07	1.60E-06	7.43E-08	6.19E-07	1.34E-06
8,608	1.62E-07	1.30E-06	2.81E-06	1.29E-07	1.06E-06	2.31E-06	6.80E-08	5.68E-07	1.24E-06	7.24E-08	6.21E-07	1.34E-06	8.54E-08	6.75E-07	1.51E-06	9.07E-08	7.22E-07	1.59E-06	7.42E-08	6.19E-07	1.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,658	1.57E-07	1.26E-06	2.74E-06	1.25E-07	1.04E-06	2.25E-06	6.66E-08	5.51E-07	1.21E-06	7.08E-08	6.05E-07	1.31E-06	8.31E-08	6.61E-07	1.47E-06	8.79E-08	7.09E-07	1.56E-06	7.24E-08	6.03E-07	1.31E-06
8,659	1.57E-07	1.26E-06	2.74E-06	1.25E-07	1.04E-06	2.24E-06	6.65E-08	5.51E-07	1.21E-06	7.07E-08	6.04E-07	1.31E-06	8.29E-08	6.61E-07	1.47E-06	8.79E-08	7.09E-07	1.56E-06	7.24E-08	6.02E-07	1.31E-06
8,660	1.57E-07	1.26E-06	2.74E-06	1.25E-07	1.04E-06	2.24E-06	6.65E-08	5.51E-07	1.21E-06	7.07E-08	6.04E-07	1.31E-06	8.29E-08	6.60E-07	1.47E-06	8.79E-08	7.09E-07	1.56E-06	7.23E-08	6.02E-07	1.31E-06
8,661	1.57E-07	1.26E-06	2.73E-06	1.25E-07	1.04E-06	2.24E-06	6.65E-08	5.51E-07	1.21E-06	7.07E-08	6.04E-07	1.31E-06	8.29E-08	6.60E-07	1.47E-06	8.79E-08	7.08E-07	1.56E-06	7.23E-08	6.02E-07	1.31E-06
8,662	1.57E-07	1.26E-06	2.73E-06	1.25E-07	1.04E-06	2.24E-06	6.65E-08	5.51E-07	1.21E-06	7.07E-08	6.04E-07	1.30E-06	8.29E-08	6.60E-07	1.47E-06	8.78E-08	7.08E-07	1.56E-06	7.22E-08	6.02E-07	1.31E-06
8,663	1.57E-07	1.26E-06	2.73E-06	1.25E-07	1.04E-06	2.24E-06	6.65E-08	5.50E-07	1.21E-06	7.07E-08	6.04E-07	1.30E-06	8.28E-08	6.59E-07	1.47E-06	8.78E-08	7.08E-07	1.56E-06	7.22E-08	6.02E-07	1.31E-06
8,664	1.57E-07	1.26E-06	2.73E-06	1.25E-07	1.04E-06	2.24E-06	6.63E-08	5.50E-07	1.21E-06	7.06E-08	6.03E-07	1.30E-06	8.28E-08	6.58E-07	1.47E-06	8.77E-08	7.08E-07	1.56E-06	7.22E-08	6.02E-07	1.31E-06
8,665	1.57E-07	1.26E-06	2.72E-06	1.25E-07	1.03E-06	2.24E-06	6.63E-08	5.50E-07	1.21E-06	7.06E-08	6.02E-07	1.30E-06	8.28E-08	6.58E-07	1.47E-06	8.77E-08	7.08E-07	1.56E-06	7.21E-08	6.02E-07	1.31E-06
8,666	1.57E-07	1.26E-06	2.72E-06	1.25E-07	1.03E-06	2.24E-06	6.63E-08	5.50E-07	1.21E-06	7.06E-08	6.02E-07	1.30E-06	8.27E-08	6.58E-07	1.47E-06	8.76E-08	7.08E-07	1.55E-06	7.21E-08	6.01E-07	1.31E-06
8,667	1.57E-07	1.26E-06	2.72E-06	1.25E-07	1.03E-06	2.24E-06	6.63E-08	5.50E-07	1.21E-06	7.06E-08	6.02E-07	1.30E-06	8.26E-08	6.57E-07	1.46E-06	8.76E-08	7.07E-07	1.55E-06	7.21E-08	6.01E-07	1.30E-06
8,668	1.57E-07	1.26E-06	2.72E-06	1.24E-07	1.03E-06	2.24E-06	6.62E-08	5.49E-07	1.21E-06	7.05E-08	6.01E-07	1.30E-06	8.25E-08	6.57E-07	1.46E-06	8.75E-08	7.07E-07	1.55E-06	7.21E-08	6.01E-07	1.30E-06
8,669	1.57E-07	1.26E-06	2.72E-06	1.24E-07	1.03E-06	2.24E-06	6.62E-08	5.49E-07	1.20E-06	7.05E-08	6.00E-07	1.30E-06	8.24E-08	6.55E-07	1.46E-06	8.75E-08	7.07E-07	1.55E-06	7.20E-08	5.99E-07	1.30E-06
8,670	1.57E-07	1.26E-06	2.72E-06	1.24E-07	1.03E-06	2.23E-06	6.62E-08	5.49E-07	1.20E-06	7.04E-08	6.00E-07	1.30E-06	8.24E-08	6.55E-07	1.46E-06	8.75E-08	7.07E-07	1.55E-06	7.19E-08	5.99E-07	1.30E-06
8,671	1.57E-07	1.26E-06	2.72E-06	1.24E-07	1.03E-06	2.23E-06	6.62E-08	5.49E-07	1.20E-06	7.04E-08	6.00E-07	1.30E-06	8.23E-08	6.55E-07	1.46E-06	8.74E-08	7.07E-07	1.55E-06	7.19E-08	5.99E-07	1.30E-06
8,672	1.57E-07	1.26E-06	2.72E-06	1.24E-07	1.03E-06	2.23E-06	6.61E-08	5.49E-07	1.20E-06	7.03E-08	6.00E-07	1.30E-06	8.23E-08	6.55E-07	1.46E-06	8.74E-08	7.06E-07	1.55E-06	7.19E-08	5.99E-07	1.30E-06
8,673	1.57E-07	1.26E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.61E-08	5.48E-07	1.20E-06	7.03E-08	6.00E-07	1.30E-06	8.23E-08	6.55E-07	1.46E-06	8.73E-08	7.04E-07	1.55E-06	7.18E-08	5.99E-07	1.30E-06
8,674	1.57E-07	1.26E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.61E-08	5.48E-07	1.20E-06	7.02E-08	6.00E-07	1.30E-06	8.22E-08	6.55E-07	1.46E-06	8.73E-08	7.03E-07	1.55E-06	7.17E-08	5.99E-07	1.30E-06
8,675	1.57E-07	1.25E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.61E-08	5.48E-07	1.20E-06	7.01E-08	5.98E-07	1.30E-06	8.20E-08	6.54E-07	1.46E-06	8.73E-08	7.02E-07	1.55E-06	7.16E-08	5.99E-07	1.30E-06
8,676	1.56E-07	1.25E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.59E-08	5.48E-07	1.20E-06	7.00E-08	5.98E-07	1.29E-06	8.20E-08	6.54E-07	1.46E-06	8.72E-08	7.02E-07	1.55E-06	7.16E-08	5.99E-07	1.30E-06
8,677	1.56E-07	1.25E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.59E-08	5.47E-07	1.20E-06	6.99E-08	5.98E-07	1.29E-06	8.19E-08	6.54E-07	1.46E-06	8.72E-08	7.01E-07	1.54E-06	7.16E-08	5.98E-07	1.30E-06
8,678	1.56E-07	1.25E-06	2.71E-06	1.24E-07	1.03E-06	2.23E-06	6.59E-08	5.47E-07	1.20E-06	6.99E-08	5.98E-07	1.29E-06	8.19E-08	6.54E-07	1.46E-06	8.71E-08	7.00E-07	1.54E-06	7.16E-08	5.98E-07	1.30E-06
8,679	1.56E-07	1.25E-06	2.70E-06	1.24E-07	1.03E-06	2.23E-06	6.59E-08	5.47E-07	1.20E-06	6.98E-08	5.98E-07	1.29E-06	8.18E-08	6.54E-07	1.46E-06	8.70E-08	7.00E-07	1.54E-06	7.15E-08	5.98E-07	1.30E-06
8,680	1.56E-07	1.25E-06	2.70E-06	1.24E-07	1.03E-06	2.22E-06	6.58E-08	5.47E-07	1.20E-06	6.98E-08	5.98E-07	1.29E-06	8.17E-08	6.54E-07	1.46E-06	8.70E-08	7.00E-07	1.54E-06	7.15E-08	5.97E-07	1.30E-06
8,681	1.56E-07	1.25E-06	2.70E-06	1.24E-07	1.03E-06	2.22E-06	6.58E-08	5.47E-07	1.20E-06	6.97E-08	5.97E-07	1.29E-06	8.17E-08	6.53E-07	1.45E-06	8.69E-08	7.00E-07	1.54E-06	7.13E-08	5.96E-07	1.29E-06
8,682	1.56E-07	1.25E-06	2.70E-06	1.23E-07	1.03E-06	2.22E-06	6.57E-08	5.46E-07	1.20E-06	6.97E-08	5.97E-07	1.29E-06	8.16E-08	6.53E-07	1.45E-06	8.69E-08	7.00E-07	1.54E-06	7.13E-08	5.96E-07	1.29E-06
8,683	1.56E-07	1.25E-06	2.70E-06	1.23E-07	1.03E-06	2.22E-06	6.57E-08	5.46E-07	1.20E-06	6.97E-08	5.96E-07	1.29E-06	8.16E-08	6.53E-07	1.45E-06	8.68E-08	6.99E-07	1.54E-06	7.12E-08	5.96E-07	1.29E-06
8,684	1.56E-07	1.25E-06	2.70E-06	1.23E-07	1.03E-06	2.22E-06	6.57E-08	5.46E-07	1.20E-06	6.97E-08	5.96E-07	1.29E-06	8.16E-08	6.53E-07	1.45E-06	8.68E-08	6.99E-07	1.54E-06	7.12E-08	5.95E-07	1.29E-06
8,685	1.56E-07	1.25E-06	2.70E-06	1.23E-07	1.03E-06	2.22E-06	6.56E-08	5.46E-07	1.20E-06	6.96E-08	5.96E-07	1.29E-06	8.15E-08	6.52E-07	1.45E-06	8.67E-08	6.98E-07	1.54E-06	7.10E-08	5.95E-07	1.29E-06
8,686	1.56E-07	1.25E-06	2.70E-06	1.23E-07	1.02E-06	2.22E-06	6.56E-08	5.45E-07	1.19E-06	6.95E-08	5.96E-07	1.29E-06	8.15E-08	6.52E-07	1.45E-06	8.67E-08	6.97E-07	1.54E-06	7.10E-08	5.95E-07	1.29E-06
8,687	1.55E-07	1.24E-06	2.70E-06	1.23E-07	1.02E-06	2.21E-06	6.56E-08	5.45E-07	1.19E-06	6.95E-08	5.96E-07	1.29E-06	8.15E-08	6.52E-07	1.45E-06	8.67E-08	6.97E-07	1.53E-06	7.09E-08	5.94E-07	1.29E-06
8,688	1.55E-07	1.24E-06	2.70E-06	1.23E-07	1.02E-06	2.21E-06	6.56E-08	5.45E-07	1.19E-06	6.95E-08	5.95E-07	1.28E-06	8.14E-08	6.51E-07	1.45E-06	8.66E-08	6.96E-07	1.53E-06	7.09E-08	5.94E-07	1.29E-06
8,689	1.55E-07	1.24E-06	2.69E-06	1.23E-07	1.02E-06	2.21E-06	6.56E-08	5.45E-07	1.19E-06	6.95E-08	5.95E-07	1.28E-06	8.13E-08	6.51E-07	1.45E-06	8.66E-08	6.96E-07	1.53E-06	7.09E-08	5.93E-07	1.29E-06
8,690	1.55E-07	1.24E-06	2.69E-06	1.23E-07	1.02E-06	2.21E-06	6.56E-08	5.45E-07	1.19E-06	6.94E-08	5.95E-07	1.28E-06	8.13E-08	6.51E-07	1.45E-06	8.66E-08	6.95E-07	1.53E-06	7.08E-08	5.93E-07	1.29E-06
8,691	1.55E-07	1.24E-06	2.69E-06	1.23E-07	1.02E-06	2.21E-06	6.55E-08	5.44E-07	1.19E-06	6.94E-08	5.95E-07	1.28E-06	8.11E-08	6.51E-07	1.45E-06	8.66E-08	6.95E-07	1.53E-06	7.08E-08	5.93E-07	1.29E-06
8,692	1.55E-07	1.24E-06	2.69E-06	1.23E-07	1.02E-06	2.21E-06	6.55E-08	5.44E-07	1.19E-06	6.94E-08	5.95E-07	1.28E-06	8.11E-08	6.50E-07	1.45E-06	8.65E-08	6.94E-07	1.53E-06	7.08E-08	5.92E-07	1.29E-06
8,693	1.55E-07	1.24E-06	2.69E-06	1.22E-07	1.02E-06	2.21E-06	6.55E-08	5.43E-07	1.19E-06	6.92E-08	5.95E-07	1.28E-06	8.11E-08	6.50E-07	1.45E-06	8.65E-08	6.94E-07	1.53E-06	7.07E-08	5.92E-07	1.29E-06
8,694	1.55E-07	1.24E-06	2.69E-06	1.22E-07	1.02E-06	2.21E-06	6.55E-08	5.42E-07	1.19E-06	6.92E-08	5.94E-07	1.28E-06	8.10E-08	6.49E-07	1.45E-06	8.65E-08	6.94E-07	1.53E-06	7.07E-08	5.92E-07	1.29E-06
8,695	1.55E-07	1.24E-06	2.69E-06	1.22E-07	1.02E-06	2.21E-06	6.54E-08	5.42E-07	1.19E-06	6.92E-08	5.94E-07	1.28E-06	8.10E-08	6.49E-07	1.44E-06	8.65E-08	6.93E-07	1.53E-06	7.06E-08	5.92E-07	1.29E-06
8,696	1.55E-07	1.24E-06	2.69E-06	1.22E-07	1.02E-06	2.21E-06	6.53E-08	5.41E-07	1.19E-06	6.92E-08	5.93E-07	1.28E-06	8.09E-08	6.48E-07	1.44E-06	8.64E-08	6.93E-07	1.53E-06	7.05E-08	5.91E-07	1.29E-06
8,697	1.55E-07	1.24E-06	2.68E-06	1.22E-07	1.02E-06	2.21E-06	6.52E-08	5.41E-07	1.19E-06	6.92E-08	5.93E-07	1.28E-06	8.08E-08	6.46E-07	1.44E-06	8.63E-08	6.92E-07	1.53E-06	7.05E-08	5.91E-07	1.29E-06
8,698	1.55E-07	1.24E-06	2.68E-06	1.22E-07	1.01E-06	2.21E-06	6.52E-08	5.41E-07	1.19E-06	6.91E-08	5.93E-07	1.28E-06	8.08E-08	6.46E-07	1.44E-06	8.63E-08	6.92E-07	1.53E-06	7.05E-08	5.91E-07	1.29E-06
8,699	1.55E-07	1.24E-06	2.68E-06	1.22E-07	1.01E-06	2.21E-06	6.52E-08	5.41E-07	1.19E-06	6.91E-08	5.91E-07	1.28E-06	8.08E-08	6.46E-07	1.44E-06	8.63E-08	6.92E-07	1.52E-06	7.05E-08	5.91E-07	1.28E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,720	1.53E-07	1.22E-06	2.66E-06	1.21E-07	9.99E-07	2.18E-06	6.46E-08	5.35E-07	1.18E-06	6.83E-08	5.87E-07	1.27E-06	7.97E-08	6.42E-07	1.43E-06	8.52E-08	6.82E-07	1.51E-06	6.98E-08	5.85E-07	1.28E-06
8,721	1.53E-07	1.22E-06	2.65E-06	1.21E-07	9.99E-07	2.18E-06	6.46E-08	5.35E-07	1.18E-06	6.83E-08	5.86E-07	1.27E-06	7.96E-08	6.42E-07	1.43E-06	8.52E-08	6.81E-07	1.51E-06	6.98E-08	5.84E-07	1.27E-06
8,722	1.53E-07	1.22E-06	2.65E-06	1.21E-07	9.99E-07	2.18E-06	6.46E-08	5.35E-07	1.18E-06	6.83E-08	5.86E-07	1.27E-06	7.96E-08	6.41E-07	1.43E-06	8.52E-08	6.81E-07	1.51E-06	6.97E-08	5.84E-07	1.27E-06
8,723	1.53E-07	1.22E-06	2.65E-06	1.21E-07	9.99E-07	2.17E-06	6.45E-08	5.34E-07	1.18E-06	6.82E-08	5.86E-07	1.27E-06	7.95E-08	6.41E-07	1.43E-06	8.51E-08	6.81E-07	1.51E-06	6.97E-08	5.84E-07	1.27E-06
8,724	1.53E-07	1.22E-06	2.65E-06	1.21E-07	9.98E-07	2.17E-06	6.44E-08	5.34E-07	1.17E-06	6.81E-08	5.85E-07	1.27E-06	7.95E-08	6.40E-07	1.43E-06	8.50E-08	6.81E-07	1.51E-06	6.96E-08	5.84E-07	1.27E-06
8,725	1.52E-07	1.22E-06	2.65E-06	1.21E-07	9.97E-07	2.17E-06	6.44E-08	5.34E-07	1.17E-06	6.80E-08	5.85E-07	1.27E-06	7.95E-08	6.39E-07	1.43E-06	8.48E-08	6.80E-07	1.51E-06	6.96E-08	5.84E-07	1.27E-06
8,726	1.52E-07	1.22E-06	2.65E-06	1.21E-07	9.97E-07	2.17E-06	6.44E-08	5.34E-07	1.17E-06	6.80E-08	5.84E-07	1.27E-06	7.95E-08	6.38E-07	1.43E-06	8.48E-08	6.80E-07	1.51E-06	6.95E-08	5.83E-07	1.27E-06
8,727	1.52E-07	1.22E-06	2.65E-06	1.20E-07	9.97E-07	2.17E-06	6.44E-08	5.33E-07	1.17E-06	6.80E-08	5.84E-07	1.27E-06	7.94E-08	6.38E-07	1.43E-06	8.48E-08	6.80E-07	1.51E-06	6.94E-08	5.83E-07	1.27E-06
8,728	1.52E-07	1.22E-06	2.65E-06	1.20E-07	9.97E-07	2.17E-06	6.43E-08	5.33E-07	1.17E-06	6.80E-08	5.84E-07	1.26E-06	7.94E-08	6.38E-07	1.43E-06	8.48E-08	6.79E-07	1.51E-06	6.94E-08	5.83E-07	1.27E-06
8,729	1.52E-07	1.22E-06	2.65E-06	1.20E-07	9.96E-07	2.17E-06	6.43E-08	5.33E-07	1.17E-06	6.79E-08	5.83E-07	1.26E-06	7.94E-08	6.38E-07	1.42E-06	8.48E-08	6.78E-07	1.51E-06	6.94E-08	5.83E-07	1.27E-06
8,730	1.52E-07	1.22E-06	2.65E-06	1.20E-07	9.96E-07	2.17E-06	6.42E-08	5.33E-07	1.17E-06	6.79E-08	5.83E-07	1.26E-06	7.94E-08	6.38E-07	1.42E-06	8.47E-08	6.78E-07	1.51E-06	6.94E-08	5.83E-07	1.27E-06
8,731	1.51E-07	1.22E-06	2.65E-06	1.20E-07	9.96E-07	2.16E-06	6.42E-08	5.32E-07	1.17E-06	6.78E-08	5.83E-07	1.26E-06	7.94E-08	6.38E-07	1.42E-06	8.47E-08	6.78E-07	1.51E-06	6.93E-08	5.82E-07	1.27E-06
8,732	1.51E-07	1.21E-06	2.65E-06	1.20E-07	9.95E-07	2.16E-06	6.42E-08	5.32E-07	1.17E-06	6.78E-08	5.83E-07	1.26E-06	7.93E-08	6.38E-07	1.42E-06	8.47E-08	6.78E-07	1.51E-06	6.93E-08	5.82E-07	1.27E-06
8,733	1.51E-07	1.21E-06	2.64E-06	1.20E-07	9.95E-07	2.16E-06	6.42E-08	5.32E-07	1.17E-06	6.78E-08	5.82E-07	1.26E-06	7.93E-08	6.37E-07	1.42E-06	8.46E-08	6.78E-07	1.51E-06	6.92E-08	5.82E-07	1.27E-06
8,734	1.51E-07	1.21E-06	2.64E-06	1.20E-07	9.95E-07	2.16E-06	6.41E-08	5.31E-07	1.17E-06	6.78E-08	5.82E-07	1.26E-06	7.93E-08	6.37E-07	1.42E-06	8.45E-08	6.77E-07	1.50E-06	6.91E-08	5.82E-07	1.27E-06
8,735	1.51E-07	1.21E-06	2.64E-06	1.20E-07	9.95E-07	2.16E-06	6.40E-08	5.31E-07	1.17E-06	6.78E-08	5.81E-07	1.26E-06	7.92E-08	6.36E-07	1.42E-06	8.45E-08	6.76E-07	1.50E-06	6.91E-08	5.81E-07	1.27E-06
8,736	1.51E-07	1.21E-06	2.64E-06	1.20E-07	9.94E-07	2.16E-06	6.40E-08	5.31E-07	1.17E-06	6.78E-08	5.80E-07	1.26E-06	7.91E-08	6.36E-07	1.42E-06	8.44E-08	6.75E-07	1.50E-06	6.91E-08	5.81E-07	1.27E-06
8,737	1.51E-07	1.21E-06	2.64E-06	1.20E-07	9.94E-07	2.15E-06	6.40E-08	5.31E-07	1.17E-06	6.77E-08	5.80E-07	1.26E-06	7.91E-08	6.36E-07	1.42E-06	8.44E-08	6.74E-07	1.50E-06	6.91E-08	5.81E-07	1.27E-06
8,738	1.50E-07	1.21E-06	2.64E-06	1.19E-07	9.88E-07	2.15E-06	6.39E-08	5.31E-07	1.16E-06	6.77E-08	5.80E-07	1.26E-06	7.90E-08	6.36E-07	1.42E-06	8.43E-08	6.74E-07	1.50E-06	6.90E-08	5.81E-07	1.27E-06
8,739	1.50E-07	1.21E-06	2.64E-06	1.19E-07	9.88E-07	2.15E-06	6.39E-08	5.30E-07	1.16E-06	6.77E-08	5.79E-07	1.26E-06	7.90E-08	6.35E-07	1.42E-06	8.42E-08	6.74E-07	1.50E-06	6.90E-08	5.80E-07	1.27E-06
8,740	1.50E-07	1.21E-06	2.64E-06	1.19E-07	9.86E-07	2.15E-06	6.39E-08	5.30E-07	1.16E-06	6.77E-08	5.79E-07	1.26E-06	7.90E-08	6.35E-07	1.41E-06	8.41E-08	6.73E-07	1.50E-06	6.90E-08	5.80E-07	1.26E-06
8,741	1.50E-07	1.21E-06	2.64E-06	1.19E-07	9.85E-07	2.15E-06	6.39E-08	5.30E-07	1.16E-06	6.76E-08	5.78E-07	1.26E-06	7.89E-08	6.34E-07	1.41E-06	8.41E-08	6.73E-07	1.50E-06	6.89E-08	5.80E-07	1.26E-06
8,742	1.50E-07	1.21E-06	2.63E-06	1.19E-07	9.85E-07	2.15E-06	6.39E-08	5.30E-07	1.16E-06	6.76E-08	5.78E-07	1.26E-06	7.89E-08	6.34E-07	1.41E-06	8.41E-08	6.73E-07	1.50E-06	6.89E-08	5.80E-07	1.26E-06
8,743	1.50E-07	1.21E-06	2.63E-06	1.19E-07	9.84E-07	2.14E-06	6.37E-08	5.30E-07	1.16E-06	6.76E-08	5.77E-07	1.26E-06	7.89E-08	6.33E-07	1.41E-06	8.40E-08	6.72E-07	1.50E-06	6.88E-08	5.80E-07	1.26E-06
8,744	1.50E-07	1.21E-06	2.63E-06	1.19E-07	9.83E-07	2.14E-06	6.37E-08	5.30E-07	1.16E-06	6.74E-08	5.77E-07	1.26E-06	7.89E-08	6.32E-07	1.41E-06	8.40E-08	6.71E-07	1.49E-06	6.87E-08	5.80E-07	1.26E-06
8,745	1.50E-07	1.21E-06	2.63E-06	1.19E-07	9.82E-07	2.14E-06	6.37E-08	5.30E-07	1.16E-06	6.73E-08	5.76E-07	1.26E-06	7.87E-08	6.32E-07	1.41E-06	8.40E-08	6.71E-07	1.49E-06	6.87E-08	5.79E-07	1.26E-06
8,746	1.50E-07	1.21E-06	2.63E-06	1.19E-07	9.81E-07	2.14E-06	6.37E-08	5.29E-07	1.16E-06	6.72E-08	5.76E-07	1.26E-06	7.87E-08	6.31E-07	1.41E-06	8.39E-08	6.70E-07	1.49E-06	6.87E-08	5.79E-07	1.26E-06
8,747	1.50E-07	1.20E-06	2.62E-06	1.19E-07	9.81E-07	2.14E-06	6.37E-08	5.29E-07	1.16E-06	6.72E-08	5.76E-07	1.26E-06	7.87E-08	6.31E-07	1.41E-06	8.37E-08	6.69E-07	1.49E-06	6.87E-08	5.79E-07	1.25E-06
8,748	1.50E-07	1.20E-06	2.62E-06	1.19E-07	9.80E-07	2.14E-06	6.36E-08	5.29E-07	1.16E-06	6.72E-08	5.75E-07	1.26E-06	7.87E-08	6.31E-07	1.41E-06	8.37E-08	6.68E-07	1.49E-06	6.86E-08	5.78E-07	1.25E-06
8,749	1.50E-07	1.20E-06	2.62E-06	1.19E-07	9.80E-07	2.14E-06	6.36E-08	5.28E-07	1.16E-06	6.72E-08	5.74E-07	1.26E-06	7.86E-08	6.31E-07	1.41E-06	8.37E-08	6.67E-07	1.49E-06	6.86E-08	5.78E-07	1.25E-06
8,750	1.50E-07	1.20E-06	2.62E-06	1.19E-07	9.79E-07	2.14E-06	6.36E-08	5.28E-07	1.16E-06	6.72E-08	5.74E-07	1.26E-06	7.86E-08	6.31E-07	1.41E-06	8.37E-08	6.67E-07	1.49E-06	6.86E-08	5.77E-07	1.25E-06
8,751	1.49E-07	1.20E-06	2.62E-06	1.19E-07	9.78E-07	2.13E-06	6.36E-08	5.28E-07	1.16E-06	6.71E-08	5.74E-07	1.25E-06	7.85E-08	6.30E-07	1.41E-06	8.36E-08	6.67E-07	1.49E-06	6.86E-08	5.77E-07	1.25E-06
8,752	1.49E-07	1.20E-06	2.61E-06	1.19E-07	9.77E-07	2.13E-06	6.35E-08	5.27E-07	1.16E-06	6.71E-08	5.74E-07	1.25E-06	7.85E-08	6.29E-07	1.41E-06	8.36E-08	6.66E-07	1.49E-06	6.86E-08	5.77E-07	1.25E-06
8,753	1.49E-07	1.20E-06	2.61E-06	1.19E-07	9.77E-07	2.13E-06	6.34E-08	5.27E-07	1.16E-06	6.71E-08	5.74E-07	1.25E-06	7.85E-08	6.29E-07	1.41E-06	8.36E-08	6.66E-07	1.49E-06	6.86E-08	5.77E-07	1.25E-06
8,754	1.49E-07	1.20E-06	2.61E-06	1.18E-07	9.75E-07	2.12E-06	6.34E-08	5.27E-07	1.16E-06	6.71E-08	5.72E-07	1.25E-06	7.85E-08	6.29E-07	1.41E-06	8.35E-08	6.65E-07	1.48E-06	6.86E-08	5.76E-07	1.25E-06
8,755	1.49E-07	1.20E-06	2.61E-06	1.18E-07	9.75E-07	2.12E-06	6.34E-08	5.26E-07	1.16E-06	6.71E-08	5.72E-07	1.25E-06	7.84E-08	6.29E-07	1.40E-06	8.34E-08	6.65E-07	1.48E-06	6.86E-08	5.76E-07	1.25E-06
8,756	1.49E-07	1.20E-06	2.61E-06	1.18E-07	9.75E-07	2.12E-06	6.34E-08	5.26E-07	1.16E-06	6.71E-08	5.72E-07	1.25E-06	7.84E-08	6.28E-07	1.40E-06	8.34E-08	6.64E-07	1.48E-06	6.85E-08	5.75E-07	1.25E-06
8,757	1.49E-07	1.20E-06	2.60E-06	1.18E-07	9.74E-07	2.12E-06	6.33E-08	5.25E-07	1.16E-06	6.71E-08	5.71E-07	1.25E-06	7.83E-08	6.28E-07	1.40E-06	8.34E-08	6.64E-07	1.48E-06	6.85E-08	5.75E-07	1.25E-06
8,758	1.49E-07	1.20E-06	2.60E-06	1.18E-07	9.72E-07	2.12E-06	6.32E-08	5.25E-07	1.16E-06	6.70E-08	5.71E-07	1.25E-06	7.83E-08	6.27E-07	1.40E-06	8.34E-08	6.63E-07	1.48E-06	6.85E-08	5.75E-07	1.24E-06
8,759	1.49E-07	1.20E-06	2.60E-06	1.18E-07	9.72E-07	2.12E-06	6.32E-08	5.25E-07	1.16E-06	6.70E-08	5.71E-07	1.25E-06	7.82E-08	6.26E-07	1.40E-06	8.33E-08	6.63E-07	1.48E-06	6.85E-08	5.74E-07	1.24E-06
8,760	1.48E-07	1.20E-06	2.60E-06	1.18E-07	9.72E-07	2.12E-06	6.32E-08	5.25E-07	1.15E-06	6.70E-08	5.71E-07	1.25E-06	7.81E-08	6.26E-07	1.40E-06	8.33E-08	6.63E-07	1.48E-06	6.84E-08	5.74E-07	1.24E-06
8,761	1.48E-07	1.20E-06	2.59E-06	1.18E-07	9.71E-07	2.12E-06	6.31E-08	5.24E-07	1.15E-06	6.69E-08	5.71E-07	1.25E-06	7.81E-08	6.26E-07	1.40E-06	8.32E-08	6.62E-07	1.48E-06	6.83E-08	5.74E-07	1.24E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,782	1.46E-07	1.18E-06	2.56E-06	1.17E-07	9.56E-07	2.09E-06	6.25E-08	5.19E-07	1.14E-06	6.62E-08	5.63E-07	1.24E-06	7.70E-08	6.21E-07	1.38E-06	8.23E-08	6.55E-07	1.46E-06	6.76E-08	5.66E-07	1.23E-06
8,783	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.54E-07	2.09E-06	6.25E-08	5.19E-07	1.13E-06	6.62E-08	5.63E-07	1.24E-06	7.70E-08	6.21E-07	1.38E-06	8.22E-08	6.55E-07	1.46E-06	6.75E-08	5.66E-07	1.23E-06
8,784	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.53E-07	2.09E-06	6.24E-08	5.19E-07	1.13E-06	6.62E-08	5.62E-07	1.24E-06	7.70E-08	6.21E-07	1.38E-06	8.22E-08	6.55E-07	1.46E-06	6.72E-08	5.65E-07	1.23E-06
8,785	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.53E-07	2.09E-06	6.23E-08	5.19E-07	1.13E-06	6.61E-08	5.62E-07	1.24E-06	7.70E-08	6.20E-07	1.38E-06	8.22E-08	6.55E-07	1.46E-06	6.72E-08	5.65E-07	1.23E-06
8,786	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.52E-07	2.09E-06	6.23E-08	5.18E-07	1.13E-06	6.60E-08	5.62E-07	1.24E-06	7.69E-08	6.20E-07	1.38E-06	8.21E-08	6.54E-07	1.46E-06	6.71E-08	5.65E-07	1.22E-06
8,787	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.51E-07	2.09E-06	6.23E-08	5.18E-07	1.13E-06	6.60E-08	5.61E-07	1.24E-06	7.69E-08	6.20E-07	1.38E-06	8.20E-08	6.54E-07	1.45E-06	6.70E-08	5.64E-07	1.22E-06
8,788	1.46E-07	1.18E-06	2.56E-06	1.16E-07	9.50E-07	2.08E-06	6.23E-08	5.17E-07	1.13E-06	6.60E-08	5.60E-07	1.24E-06	7.69E-08	6.20E-07	1.38E-06	8.20E-08	6.54E-07	1.45E-06	6.69E-08	5.64E-07	1.22E-06
8,789	1.45E-07	1.18E-06	2.56E-06	1.16E-07	9.49E-07	2.08E-06	6.22E-08	5.17E-07	1.13E-06	6.60E-08	5.60E-07	1.24E-06	7.68E-08	6.20E-07	1.38E-06	8.20E-08	6.53E-07	1.45E-06	6.69E-08	5.64E-07	1.22E-06
8,790	1.45E-07	1.18E-06	2.55E-06	1.16E-07	9.45E-07	2.08E-06	6.22E-08	5.17E-07	1.13E-06	6.59E-08	5.60E-07	1.24E-06	7.67E-08	6.20E-07	1.38E-06	8.20E-08	6.52E-07	1.45E-06	6.69E-08	5.63E-07	1.22E-06
8,791	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.44E-07	2.08E-06	6.22E-08	5.16E-07	1.13E-06	6.59E-08	5.60E-07	1.24E-06	7.67E-08	6.19E-07	1.38E-06	8.20E-08	6.52E-07	1.45E-06	6.68E-08	5.63E-07	1.22E-06
8,792	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.43E-07	2.08E-06	6.22E-08	5.16E-07	1.13E-06	6.59E-08	5.60E-07	1.24E-06	7.67E-08	6.19E-07	1.37E-06	8.19E-08	6.51E-07	1.45E-06	6.68E-08	5.63E-07	1.22E-06
8,793	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.43E-07	2.08E-06	6.22E-08	5.16E-07	1.13E-06	6.58E-08	5.59E-07	1.23E-06	7.66E-08	6.19E-07	1.37E-06	8.19E-08	6.51E-07	1.45E-06	6.67E-08	5.63E-07	1.22E-06
8,794	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.42E-07	2.08E-06	6.22E-08	5.15E-07	1.13E-06	6.58E-08	5.59E-07	1.23E-06	7.66E-08	6.19E-07	1.37E-06	8.18E-08	6.50E-07	1.45E-06	6.67E-08	5.63E-07	1.22E-06
8,795	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.42E-07	2.08E-06	6.21E-08	5.15E-07	1.13E-06	6.57E-08	5.59E-07	1.23E-06	7.66E-08	6.18E-07	1.37E-06	8.18E-08	6.50E-07	1.45E-06	6.67E-08	5.62E-07	1.22E-06
8,796	1.45E-07	1.17E-06	2.55E-06	1.16E-07	9.42E-07	2.08E-06	6.21E-08	5.15E-07	1.13E-06	6.57E-08	5.58E-07	1.23E-06	7.65E-08	6.18E-07	1.37E-06	8.17E-08	6.50E-07	1.45E-06	6.66E-08	5.62E-07	1.22E-06
8,797	1.45E-07	1.17E-06	2.55E-06	1.15E-07	9.41E-07	2.07E-06	6.20E-08	5.15E-07	1.13E-06	6.57E-08	5.58E-07	1.23E-06	7.65E-08	6.18E-07	1.37E-06	8.17E-08	6.49E-07	1.45E-06	6.66E-08	5.62E-07	1.22E-06
8,798	1.45E-07	1.17E-06	2.55E-06	1.15E-07	9.41E-07	2.07E-06	6.20E-08	5.15E-07	1.13E-06	6.56E-08	5.58E-07	1.23E-06	7.65E-08	6.17E-07	1.37E-06	8.17E-08	6.49E-07	1.45E-06	6.65E-08	5.61E-07	1.22E-06
8,799	1.45E-07	1.17E-06	2.54E-06	1.15E-07	9.40E-07	2.07E-06	6.20E-08	5.14E-07	1.13E-06	6.56E-08	5.58E-07	1.23E-06	7.65E-08	6.15E-07	1.37E-06	8.16E-08	6.49E-07	1.44E-06	6.64E-08	5.61E-07	1.22E-06
8,800	1.45E-07	1.17E-06	2.54E-06	1.15E-07	9.40E-07	2.07E-06	6.20E-08	5.14E-07	1.13E-06	6.55E-08	5.57E-07	1.23E-06	7.64E-08	6.15E-07	1.37E-06	8.16E-08	6.49E-07	1.44E-06	6.64E-08	5.60E-07	1.21E-06
8,801	1.45E-07	1.17E-06	2.54E-06	1.15E-07	9.40E-07	2.07E-06	6.19E-08	5.14E-07	1.13E-06	6.55E-08	5.57E-07	1.23E-06	7.63E-08	6.15E-07	1.37E-06	8.16E-08	6.49E-07	1.44E-06	6.63E-08	5.60E-07	1.21E-06
8,802	1.45E-07	1.16E-06	2.54E-06	1.15E-07	9.38E-07	2.07E-06	6.19E-08	5.14E-07	1.13E-06	6.55E-08	5.57E-07	1.23E-06	7.63E-08	6.15E-07	1.37E-06	8.15E-08	6.48E-07	1.44E-06	6.63E-08	5.59E-07	1.21E-06
8,803	1.45E-07	1.16E-06	2.54E-06	1.15E-07	9.38E-07	2.07E-06	6.19E-08	5.14E-07	1.13E-06	6.55E-08	5.56E-07	1.23E-06	7.60E-08	6.14E-07	1.37E-06	8.15E-08	6.48E-07	1.44E-06	6.62E-08	5.59E-07	1.21E-06
8,804	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.37E-07	2.07E-06	6.19E-08	5.14E-07	1.12E-06	6.54E-08	5.55E-07	1.23E-06	7.60E-08	6.14E-07	1.37E-06	8.14E-08	6.47E-07	1.44E-06	6.62E-08	5.58E-07	1.21E-06
8,805	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.36E-07	2.07E-06	6.19E-08	5.13E-07	1.12E-06	6.54E-08	5.55E-07	1.22E-06	7.59E-08	6.13E-07	1.37E-06	8.14E-08	6.47E-07	1.44E-06	6.61E-08	5.58E-07	1.21E-06
8,806	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.36E-07	2.07E-06	6.18E-08	5.13E-07	1.12E-06	6.53E-08	5.55E-07	1.22E-06	7.59E-08	6.13E-07	1.37E-06	8.13E-08	6.47E-07	1.44E-06	6.61E-08	5.58E-07	1.21E-06
8,807	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.36E-07	2.07E-06	6.18E-08	5.13E-07	1.12E-06	6.53E-08	5.55E-07	1.22E-06	7.58E-08	6.13E-07	1.37E-06	8.12E-08	6.47E-07	1.44E-06	6.60E-08	5.58E-07	1.21E-06
8,808	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.35E-07	2.07E-06	6.18E-08	5.13E-07	1.12E-06	6.52E-08	5.54E-07	1.22E-06	7.57E-08	6.12E-07	1.37E-06	8.12E-08	6.46E-07	1.44E-06	6.59E-08	5.57E-07	1.21E-06
8,809	1.44E-07	1.16E-06	2.54E-06	1.15E-07	9.35E-07	2.07E-06	6.18E-08	5.12E-07	1.12E-06	6.52E-08	5.53E-07	1.22E-06	7.57E-08	6.12E-07	1.37E-06	8.11E-08	6.46E-07	1.44E-06	6.59E-08	5.57E-07	1.21E-06
8,810	1.44E-07	1.16E-06	2.53E-06	1.14E-07	9.34E-07	2.07E-06	6.18E-08	5.12E-07	1.12E-06	6.52E-08	5.53E-07	1.22E-06	7.57E-08	6.12E-07	1.37E-06	8.10E-08	6.45E-07	1.44E-06	6.59E-08	5.57E-07	1.21E-06
8,811	1.44E-07	1.16E-06	2.53E-06	1.14E-07	9.34E-07	2.07E-06	6.18E-08	5.12E-07	1.12E-06	6.51E-08	5.53E-07	1.22E-06	7.56E-08	6.12E-07	1.37E-06	8.10E-08	6.45E-07	1.44E-06	6.58E-08	5.57E-07	1.21E-06
8,812	1.43E-07	1.15E-06	2.53E-06	1.14E-07	9.34E-07	2.07E-06	6.17E-08	5.12E-07	1.12E-06	6.51E-08	5.53E-07	1.22E-06	7.56E-08	6.12E-07	1.36E-06	8.10E-08	6.44E-07	1.44E-06	6.57E-08	5.56E-07	1.21E-06
8,813	1.43E-07	1.15E-06	2.53E-06	1.14E-07	9.32E-07	2.06E-06	6.16E-08	5.12E-07	1.12E-06	6.50E-08	5.53E-07	1.22E-06	7.55E-08	6.11E-07	1.36E-06	8.10E-08	6.43E-07	1.44E-06	6.56E-08	5.55E-07	1.21E-06
8,814	1.43E-07	1.15E-06	2.53E-06	1.14E-07	9.32E-07	2.06E-06	6.16E-08	5.11E-07	1.12E-06	6.50E-08	5.52E-07	1.22E-06	7.54E-08	6.11E-07	1.36E-06	8.10E-08	6.43E-07	1.43E-06	6.56E-08	5.55E-07	1.21E-06
8,815	1.43E-07	1.15E-06	2.52E-06	1.14E-07	9.32E-07	2.06E-06	6.15E-08	5.11E-07	1.12E-06	6.50E-08	5.52E-07	1.22E-06	7.54E-08	6.10E-07	1.36E-06	8.09E-08	6.42E-07	1.43E-06	6.55E-08	5.55E-07	1.21E-06
8,816	1.43E-07	1.15E-06	2.52E-06	1.14E-07	9.31E-07	2.05E-06	6.15E-08	5.11E-07	1.12E-06	6.49E-08	5.52E-07	1.22E-06	7.54E-08	6.10E-07	1.36E-06	8.09E-08	6.41E-07	1.43E-06	6.55E-08	5.54E-07	1.21E-06
8,817	1.43E-07	1.15E-06	2.52E-06	1.14E-07	9.31E-07	2.05E-06	6.15E-08	5.11E-07	1.12E-06	6.49E-08	5.52E-07	1.22E-06	7.53E-08	6.09E-07	1.36E-06	8.09E-08	6.41E-07	1.43E-06	6.54E-08	5.54E-07	1.20E-06
8,818	1.43E-07	1.15E-06	2.52E-06	1.14E-07	9.31E-07	2.05E-06	6.15E-08	5.11E-07	1.12E-06	6.48E-08	5.52E-07	1.22E-06	7.52E-08	6.09E-07	1.36E-06	8.09E-08	6.41E-07	1.43E-06	6.54E-08	5.54E-07	1.20E-06
8,819	1.43E-07	1.15E-06	2.52E-06	1.14E-07	9.30E-07	2.05E-06	6.14E-08	5.10E-07	1.12E-06	6.47E-08	5.51E-07	1.21E-06	7.52E-08	6.09E-07	1.36E-06	8.08E-08	6.41E-07	1.43E-06	6.53E-08	5.54E-07	1.20E-06
8,820	1.43E-07	1.15E-06	2.51E-06	1.14E-07	9.30E-07	2.05E-06	6.14E-08	5.10E-07	1.12E-06	6.47E-08	5.51E-07	1.21E-06	7.52E-08	6.09E-07	1.36E-06	8.08E-08	6.41E-07	1.43E-06	6.53E-08	5.54E-07	1.20E-06
8,821	1.43E-07	1.14E-06	2.51E-06	1.14E-07	9.29E-07	2.05E-06	6.14E-08	5.10E-07	1.12E-06	6.47E-08	5.50E-07	1.21E-06	7.51E-08	6.09E-07	1.36E-06	8.08E-08	6.40E-07	1.42E-06	6.53E-08	5.54E-07	1.20E-06
8,822	1.43E-07	1.14E-06	2.51E-06	1.14E-07	9.28E-07	2.04E-06	6.13E-08	5.10E-07	1.12E-06	6.46E-08	5.49E-07	1.21E-06	7.51E-08	6.09E-07	1.36E-06	8.07E-08	6.40E-07	1.42E-06	6.53E-08	5.53E-07	1.20E-06
8,823	1.43E-07	1.14E-06	2.51E-06	1.14E-07	9.28E-07	2.04E-06	6.13E-08	5.09E-07	1.12E-06	6.45E-08	5.49E-07	1.21E-06	7.50E-08	6.09E-07	1.36E-06	8.07E-08	6.40E-07	1.42E-06	6.53E-08	5.53E-07	1.20E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,844	1.40E-07	1.13E-06	2.49E-06	1.12E-07	9.17E-07	2.02E-06	6.07E-08	5.03E-07	1.11E-06	6.39E-08	5.43E-07	1.20E-06	7.41E-08	6.03E-07	1.34E-06	7.98E-08	6.30E-07	1.41E-06	6.46E-08	5.49E-07	1.18E-06
8,845	1.40E-07	1.13E-06	2.49E-06	1.12E-07	9.17E-07	2.02E-06	6.06E-08	5.02E-07	1.10E-06	6.39E-08	5.43E-07	1.20E-06	7.41E-08	6.03E-07	1.34E-06	7.98E-08	6.30E-07	1.41E-06	6.46E-08	5.49E-07	1.18E-06
8,846	1.40E-07	1.13E-06	2.49E-06	1.12E-07	9.17E-07	2.01E-06	6.06E-08	5.02E-07	1.10E-06	6.38E-08	5.42E-07	1.20E-06	7.41E-08	6.02E-07	1.34E-06	7.97E-08	6.30E-07	1.41E-06	6.45E-08	5.48E-07	1.18E-06
8,847	1.40E-07	1.13E-06	2.48E-06	1.12E-07	9.16E-07	2.01E-06	6.06E-08	5.01E-07	1.10E-06	6.38E-08	5.42E-07	1.19E-06	7.39E-08	6.02E-07	1.34E-06	7.97E-08	6.29E-07	1.41E-06	6.45E-08	5.48E-07	1.18E-06
8,848	1.40E-07	1.13E-06	2.48E-06	1.12E-07	9.16E-07	2.01E-06	6.05E-08	5.01E-07	1.10E-06	6.37E-08	5.42E-07	1.19E-06	7.39E-08	6.02E-07	1.34E-06	7.96E-08	6.29E-07	1.41E-06	6.44E-08	5.48E-07	1.18E-06
8,849	1.40E-07	1.13E-06	2.48E-06	1.12E-07	9.15E-07	2.01E-06	6.04E-08	5.01E-07	1.10E-06	6.37E-08	5.42E-07	1.19E-06	7.39E-08	6.02E-07	1.34E-06	7.96E-08	6.29E-07	1.41E-06	6.44E-08	5.48E-07	1.18E-06
8,850	1.40E-07	1.13E-06	2.48E-06	1.12E-07	9.14E-07	2.01E-06	6.04E-08	5.00E-07	1.10E-06	6.37E-08	5.41E-07	1.19E-06	7.38E-08	6.02E-07	1.34E-06	7.95E-08	6.29E-07	1.40E-06	6.43E-08	5.48E-07	1.18E-06
8,851	1.39E-07	1.13E-06	2.48E-06	1.12E-07	9.14E-07	2.00E-06	6.04E-08	5.00E-07	1.10E-06	6.35E-08	5.41E-07	1.19E-06	7.37E-08	6.01E-07	1.34E-06	7.95E-08	6.28E-07	1.40E-06	6.43E-08	5.48E-07	1.18E-06
8,852	1.39E-07	1.12E-06	2.48E-06	1.12E-07	9.13E-07	2.00E-06	6.02E-08	5.00E-07	1.10E-06	6.35E-08	5.40E-07	1.19E-06	7.37E-08	6.01E-07	1.33E-06	7.93E-08	6.28E-07	1.40E-06	6.42E-08	5.48E-07	1.18E-06
8,853	1.39E-07	1.12E-06	2.48E-06	1.12E-07	9.13E-07	2.00E-06	6.02E-08	4.99E-07	1.10E-06	6.35E-08	5.40E-07	1.19E-06	7.37E-08	6.01E-07	1.33E-06	7.93E-08	6.28E-07	1.40E-06	6.42E-08	5.47E-07	1.18E-06
8,854	1.39E-07	1.12E-06	2.47E-06	1.12E-07	9.12E-07	2.00E-06	6.02E-08	4.99E-07	1.10E-06	6.35E-08	5.40E-07	1.19E-06	7.37E-08	6.01E-07	1.33E-06	7.92E-08	6.27E-07	1.40E-06	6.42E-08	5.47E-07	1.18E-06
8,855	1.39E-07	1.12E-06	2.47E-06	1.12E-07	9.09E-07	2.00E-06	6.02E-08	4.99E-07	1.10E-06	6.34E-08	5.40E-07	1.19E-06	7.37E-08	6.01E-07	1.33E-06	7.92E-08	6.27E-07	1.40E-06	6.41E-08	5.47E-07	1.18E-06
8,856	1.39E-07	1.12E-06	2.47E-06	1.12E-07	9.08E-07	2.00E-06	6.02E-08	4.99E-07	1.10E-06	6.34E-08	5.40E-07	1.19E-06	7.36E-08	6.00E-07	1.33E-06	7.91E-08	6.27E-07	1.40E-06	6.41E-08	5.47E-07	1.18E-06
8,857	1.39E-07	1.12E-06	2.47E-06	1.11E-07	9.08E-07	1.99E-06	6.01E-08	4.99E-07	1.10E-06	6.34E-08	5.40E-07	1.19E-06	7.36E-08	6.00E-07	1.33E-06	7.90E-08	6.26E-07	1.40E-06	6.41E-08	5.47E-07	1.18E-06
8,858	1.38E-07	1.12E-06	2.47E-06	1.11E-07	9.08E-07	1.99E-06	6.01E-08	4.99E-07	1.10E-06	6.34E-08	5.39E-07	1.19E-06	7.36E-08	5.99E-07	1.33E-06	7.90E-08	6.26E-07	1.40E-06	6.41E-08	5.47E-07	1.18E-06
8,859	1.38E-07	1.12E-06	2.47E-06	1.11E-07	9.08E-07	1.98E-06	6.00E-08	4.99E-07	1.10E-06	6.33E-08	5.39E-07	1.18E-06	7.36E-08	5.99E-07	1.33E-06	7.90E-08	6.24E-07	1.40E-06	6.41E-08	5.46E-07	1.18E-06
8,860	1.38E-07	1.12E-06	2.47E-06	1.11E-07	9.08E-07	1.98E-06	5.99E-08	4.98E-07	1.10E-06	6.33E-08	5.39E-07	1.18E-06	7.35E-08	5.99E-07	1.33E-06	7.89E-08	6.23E-07	1.40E-06	6.41E-08	5.46E-07	1.18E-06
8,861	1.38E-07	1.12E-06	2.47E-06	1.11E-07	9.08E-07	1.98E-06	5.99E-08	4.98E-07	1.09E-06	6.31E-08	5.39E-07	1.18E-06	7.35E-08	5.99E-07	1.33E-06	7.89E-08	6.23E-07	1.39E-06	6.41E-08	5.46E-07	1.18E-06
8,862	1.38E-07	1.12E-06	2.46E-06	1.11E-07	9.07E-07	1.98E-06	5.99E-08	4.98E-07	1.09E-06	6.31E-08	5.38E-07	1.18E-06	7.34E-08	5.99E-07	1.33E-06	7.89E-08	6.23E-07	1.39E-06	6.41E-08	5.45E-07	1.17E-06
8,863	1.38E-07	1.12E-06	2.46E-06	1.11E-07	9.07E-07	1.98E-06	5.98E-08	4.98E-07	1.09E-06	6.31E-08	5.37E-07	1.18E-06	7.34E-08	5.98E-07	1.33E-06	7.89E-08	6.23E-07	1.39E-06	6.41E-08	5.45E-07	1.17E-06
8,864	1.38E-07	1.12E-06	2.46E-06	1.10E-07	9.06E-07	1.98E-06	5.98E-08	4.98E-07	1.09E-06	6.31E-08	5.37E-07	1.18E-06	7.33E-08	5.98E-07	1.33E-06	7.89E-08	6.23E-07	1.39E-06	6.40E-08	5.45E-07	1.17E-06
8,865	1.38E-07	1.12E-06	2.46E-06	1.10E-07	9.06E-07	1.98E-06	5.98E-08	4.97E-07	1.09E-06	6.30E-08	5.37E-07	1.18E-06	7.33E-08	5.98E-07	1.33E-06	7.88E-08	6.23E-07	1.39E-06	6.40E-08	5.45E-07	1.17E-06
8,866	1.38E-07	1.12E-06	2.46E-06	1.10E-07	9.05E-07	1.98E-06	5.96E-08	4.97E-07	1.09E-06	6.30E-08	5.37E-07	1.18E-06	7.32E-08	5.97E-07	1.33E-06	7.88E-08	6.23E-07	1.39E-06	6.40E-08	5.45E-07	1.17E-06
8,867	1.38E-07	1.12E-06	2.46E-06	1.10E-07	9.04E-07	1.98E-06	5.96E-08	4.97E-07	1.09E-06	6.29E-08	5.36E-07	1.18E-06	7.32E-08	5.96E-07	1.33E-06	7.88E-08	6.23E-07	1.39E-06	6.40E-08	5.45E-07	1.17E-06
8,868	1.38E-07	1.11E-06	2.46E-06	1.10E-07	9.03E-07	1.98E-06	5.96E-08	4.97E-07	1.09E-06	6.29E-08	5.36E-07	1.18E-06	7.32E-08	5.96E-07	1.32E-06	7.88E-08	6.22E-07	1.38E-06	6.40E-08	5.44E-07	1.17E-06
8,869	1.37E-07	1.11E-06	2.46E-06	1.10E-07	9.03E-07	1.98E-06	5.96E-08	4.97E-07	1.09E-06	6.29E-08	5.36E-07	1.18E-06	7.31E-08	5.96E-07	1.32E-06	7.87E-08	6.21E-07	1.38E-06	6.40E-08	5.44E-07	1.17E-06
8,870	1.37E-07	1.11E-06	2.46E-06	1.10E-07	9.02E-07	1.97E-06	5.96E-08	4.96E-07	1.09E-06	6.29E-08	5.36E-07	1.18E-06	7.31E-08	5.95E-07	1.32E-06	7.87E-08	6.21E-07	1.38E-06	6.39E-08	5.44E-07	1.17E-06
8,871	1.37E-07	1.11E-06	2.46E-06	1.10E-07	9.01E-07	1.97E-06	5.96E-08	4.96E-07	1.09E-06	6.29E-08	5.36E-07	1.18E-06	7.31E-08	5.95E-07	1.32E-06	7.87E-08	6.20E-07	1.38E-06	6.38E-08	5.44E-07	1.17E-06
8,872	1.37E-07	1.11E-06	2.45E-06	1.10E-07	9.00E-07	1.97E-06	5.96E-08	4.96E-07	1.09E-06	6.28E-08	5.35E-07	1.18E-06	7.30E-08	5.95E-07	1.32E-06	7.86E-08	6.20E-07	1.38E-06	6.38E-08	5.43E-07	1.17E-06
8,873	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.99E-07	1.96E-06	5.95E-08	4.96E-07	1.09E-06	6.28E-08	5.35E-07	1.18E-06	7.29E-08	5.93E-07	1.32E-06	7.86E-08	6.20E-07	1.38E-06	6.37E-08	5.43E-07	1.17E-06
8,874	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.98E-07	1.96E-06	5.95E-08	4.95E-07	1.09E-06	6.28E-08	5.35E-07	1.18E-06	7.29E-08	5.93E-07	1.32E-06	7.86E-08	6.19E-07	1.38E-06	6.36E-08	5.42E-07	1.17E-06
8,875	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.98E-07	1.96E-06	5.95E-08	4.95E-07	1.09E-06	6.26E-08	5.34E-07	1.18E-06	7.28E-08	5.93E-07	1.32E-06	7.85E-08	6.19E-07	1.38E-06	6.35E-08	5.42E-07	1.17E-06
8,876	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.97E-07	1.96E-06	5.95E-08	4.95E-07	1.08E-06	6.26E-08	5.34E-07	1.18E-06	7.28E-08	5.92E-07	1.32E-06	7.84E-08	6.19E-07	1.38E-06	6.35E-08	5.42E-07	1.17E-06
8,877	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.96E-07	1.96E-06	5.95E-08	4.95E-07	1.08E-06	6.25E-08	5.34E-07	1.18E-06	7.28E-08	5.92E-07	1.32E-06	7.84E-08	6.19E-07	1.38E-06	6.34E-08	5.42E-07	1.17E-06
8,878	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.96E-07	1.96E-06	5.95E-08	4.94E-07	1.08E-06	6.25E-08	5.34E-07	1.18E-06	7.27E-08	5.92E-07	1.32E-06	7.84E-08	6.19E-07	1.38E-06	6.33E-08	5.42E-07	1.17E-06
8,879	1.37E-07	1.11E-06	2.45E-06	1.10E-07	8.95E-07	1.96E-06	5.95E-08	4.94E-07	1.08E-06	6.25E-08	5.34E-07	1.18E-06	7.27E-08	5.92E-07	1.31E-06	7.83E-08	6.19E-07	1.38E-06	6.33E-08	5.42E-07	1.17E-06
8,880	1.36E-07	1.11E-06	2.45E-06	1.10E-07	8.95E-07	1.96E-06	5.95E-08	4.94E-07	1.08E-06	6.25E-08	5.34E-07	1.18E-06	7.27E-08	5.91E-07	1.31E-06	7.83E-08	6.18E-07	1.38E-06	6.33E-08	5.41E-07	1.17E-06
8,881	1.36E-07	1.11E-06	2.44E-06	1.10E-07	8.95E-07	1.96E-06	5.94E-08	4.93E-07	1.08E-06	6.24E-08	5.33E-07	1.18E-06	7.27E-08	5.91E-07	1.31E-06	7.83E-08	6.18E-07	1.38E-06	6.33E-08	5.41E-07	1.17E-06
8,882	1.36E-07	1.11E-06	2.44E-06	1.10E-07	8.94E-07	1.96E-06	5.93E-08	4.93E-07	1.08E-06	6.24E-08	5.33E-07	1.18E-06	7.27E-08	5.91E-07	1.31E-06	7.82E-08	6.17E-07	1.38E-06	6.32E-08	5.41E-07	1.17E-06
8,883	1.36E-07	1.11E-06	2.44E-06	1.09E-07	8.94E-07	1.96E-06	5.93E-08	4.93E-07	1.08E-06	6.24E-08	5.33E-07	1.17E-06	7.26E-08	5.91E-07	1.31E-06	7.82E-08	6.17E-07	1.37E-06	6.32E-08	5.40E-07	1.17E-06
8,884	1.36E-07	1.10E-06	2.43E-06	1.09E-07	8.93E-07	1.95E-06	5.93E-08	4.92E-07	1.08E-06	6.22E-08	5.33E-07	1.17E-06	7.26E-08	5.90E-07	1.31E-06	7.81E-08	6.17E-07	1.37E-06	6.32E-08	5.40E-07	1.17E-06
8,885	1.35E-07	1.10E-06	2.43E-06	1.09E-07	8.93E-07	1.95E-06	5.93E-08	4.92E-07	1.08E-06	6.21E-08	5.32E-07	1.17E-06	7.25E-08	5.90E-07	1.31E-06	7.80E-08	6.16E-07	1.37E-06	6.31E-08	5.39E-07	1.16E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,906	1.34E-07	1.09E-06	2.41E-06	1.08E-07	8.84E-07	1.93E-06	5.87E-08	4.86E-07	1.06E-06	6.13E-08	5.24E-07	1.16E-06	7.18E-08	5.81E-07	1.30E-06	7.74E-08	6.06E-07	1.36E-06	6.22E-08	5.34E-07	1.15E-06
8,907	1.34E-07	1.09E-06	2.40E-06	1.08E-07	8.83E-07	1.93E-06	5.87E-08	4.86E-07	1.06E-06	6.13E-08	5.24E-07	1.16E-06	7.17E-08	5.81E-07	1.29E-06	7.73E-08	6.06E-07	1.36E-06	6.22E-08	5.33E-07	1.15E-06
8,908	1.34E-07	1.09E-06	2.40E-06	1.08E-07	8.83E-07	1.92E-06	5.87E-08	4.85E-07	1.06E-06	6.13E-08	5.24E-07	1.16E-06	7.17E-08	5.80E-07	1.29E-06	7.73E-08	6.06E-07	1.36E-06	6.22E-08	5.33E-07	1.15E-06
8,909	1.34E-07	1.09E-06	2.40E-06	1.07E-07	8.83E-07	1.92E-06	5.87E-08	4.85E-07	1.06E-06	6.13E-08	5.24E-07	1.16E-06	7.17E-08	5.80E-07	1.29E-06	7.73E-08	6.05E-07	1.36E-06	6.22E-08	5.33E-07	1.15E-06
8,910	1.34E-07	1.08E-06	2.40E-06	1.07E-07	8.81E-07	1.92E-06	5.86E-08	4.85E-07	1.06E-06	6.13E-08	5.23E-07	1.16E-06	7.17E-08	5.78E-07	1.29E-06	7.71E-08	6.05E-07	1.36E-06	6.21E-08	5.33E-07	1.15E-06
8,911	1.34E-07	1.08E-06	2.40E-06	1.07E-07	8.80E-07	1.92E-06	5.86E-08	4.85E-07	1.06E-06	6.12E-08	5.23E-07	1.16E-06	7.16E-08	5.77E-07	1.29E-06	7.70E-08	6.04E-07	1.36E-06	6.19E-08	5.32E-07	1.15E-06
8,912	1.33E-07	1.08E-06	2.40E-06	1.07E-07	8.80E-07	1.92E-06	5.85E-08	4.85E-07	1.06E-06	6.10E-08	5.23E-07	1.15E-06	7.16E-08	5.77E-07	1.29E-06	7.70E-08	6.04E-07	1.36E-06	6.19E-08	5.31E-07	1.15E-06
8,913	1.33E-07	1.08E-06	2.40E-06	1.07E-07	8.79E-07	1.92E-06	5.85E-08	4.85E-07	1.06E-06	6.10E-08	5.23E-07	1.15E-06	7.15E-08	5.76E-07	1.29E-06	7.69E-08	6.04E-07	1.36E-06	6.19E-08	5.31E-07	1.15E-06
8,914	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.79E-07	1.92E-06	5.85E-08	4.84E-07	1.06E-06	6.10E-08	5.22E-07	1.15E-06	7.15E-08	5.76E-07	1.29E-06	7.67E-08	6.04E-07	1.35E-06	6.18E-08	5.31E-07	1.15E-06
8,915	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.79E-07	1.92E-06	5.85E-08	4.84E-07	1.06E-06	6.10E-08	5.22E-07	1.15E-06	7.15E-08	5.76E-07	1.29E-06	7.67E-08	6.04E-07	1.35E-06	6.18E-08	5.31E-07	1.15E-06
8,916	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.79E-07	1.92E-06	5.84E-08	4.84E-07	1.06E-06	6.09E-08	5.22E-07	1.15E-06	7.14E-08	5.76E-07	1.29E-06	7.66E-08	6.03E-07	1.35E-06	6.17E-08	5.30E-07	1.15E-06
8,917	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.79E-07	1.92E-06	5.83E-08	4.84E-07	1.06E-06	6.09E-08	5.21E-07	1.15E-06	7.14E-08	5.75E-07	1.29E-06	7.66E-08	6.01E-07	1.35E-06	6.16E-08	5.30E-07	1.15E-06
8,918	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.78E-07	1.91E-06	5.83E-08	4.83E-07	1.06E-06	6.09E-08	5.21E-07	1.15E-06	7.14E-08	5.75E-07	1.29E-06	7.66E-08	6.01E-07	1.35E-06	6.16E-08	5.30E-07	1.15E-06
8,919	1.33E-07	1.08E-06	2.39E-06	1.07E-07	8.77E-07	1.91E-06	5.83E-08	4.83E-07	1.06E-06	6.09E-08	5.21E-07	1.15E-06	7.13E-08	5.74E-07	1.29E-06	7.66E-08	6.00E-07	1.35E-06	6.16E-08	5.29E-07	1.15E-06
8,920	1.32E-07	1.08E-06	2.39E-06	1.06E-07	8.76E-07	1.91E-06	5.82E-08	4.83E-07	1.06E-06	6.09E-08	5.20E-07	1.15E-06	7.13E-08	5.74E-07	1.29E-06	7.65E-08	6.00E-07	1.35E-06	6.16E-08	5.29E-07	1.15E-06
8,921	1.32E-07	1.08E-06	2.39E-06	1.06E-07	8.76E-07	1.91E-06	5.82E-08	4.82E-07	1.06E-06	6.08E-08	5.20E-07	1.15E-06	7.13E-08	5.73E-07	1.29E-06	7.65E-08	6.00E-07	1.35E-06	6.15E-08	5.28E-07	1.15E-06
8,922	1.32E-07	1.08E-06	2.39E-06	1.06E-07	8.75E-07	1.91E-06	5.82E-08	4.82E-07	1.05E-06	6.08E-08	5.20E-07	1.15E-06	7.12E-08	5.72E-07	1.29E-06	7.65E-08	6.00E-07	1.35E-06	6.14E-08	5.28E-07	1.15E-06
8,923	1.32E-07	1.07E-06	2.39E-06	1.06E-07	8.75E-07	1.91E-06	5.82E-08	4.82E-07	1.05E-06	6.08E-08	5.20E-07	1.15E-06	7.12E-08	5.72E-07	1.29E-06	7.63E-08	5.99E-07	1.35E-06	6.14E-08	5.28E-07	1.15E-06
8,924	1.32E-07	1.07E-06	2.39E-06	1.06E-07	8.75E-07	1.90E-06	5.81E-08	4.82E-07	1.05E-06	6.07E-08	5.19E-07	1.15E-06	7.12E-08	5.71E-07	1.29E-06	7.63E-08	5.99E-07	1.35E-06	6.14E-08	5.28E-07	1.15E-06
8,925	1.32E-07	1.07E-06	2.38E-06	1.06E-07	8.75E-07	1.90E-06	5.81E-08	4.81E-07	1.05E-06	6.07E-08	5.19E-07	1.15E-06	7.11E-08	5.70E-07	1.28E-06	7.63E-08	5.99E-07	1.35E-06	6.13E-08	5.26E-07	1.15E-06
8,926	1.32E-07	1.07E-06	2.38E-06	1.06E-07	8.75E-07	1.90E-06	5.81E-08	4.81E-07	1.05E-06	6.07E-08	5.19E-07	1.15E-06	7.11E-08	5.69E-07	1.28E-06	7.63E-08	5.99E-07	1.35E-06	6.13E-08	5.26E-07	1.15E-06
8,927	1.32E-07	1.07E-06	2.38E-06	1.06E-07	8.72E-07	1.90E-06	5.80E-08	4.81E-07	1.05E-06	6.07E-08	5.19E-07	1.15E-06	7.10E-08	5.68E-07	1.28E-06	7.63E-08	5.98E-07	1.35E-06	6.13E-08	5.26E-07	1.14E-06
8,928	1.32E-07	1.07E-06	2.38E-06	1.06E-07	8.72E-07	1.90E-06	5.80E-08	4.81E-07	1.05E-06	6.07E-08	5.19E-07	1.15E-06	7.10E-08	5.68E-07	1.28E-06	7.63E-08	5.98E-07	1.35E-06	6.13E-08	5.25E-07	1.14E-06
8,929	1.32E-07	1.07E-06	2.38E-06	1.06E-07	8.71E-07	1.90E-06	5.80E-08	4.80E-07	1.05E-06	6.06E-08	5.19E-07	1.15E-06	7.10E-08	5.68E-07	1.28E-06	7.62E-08	5.97E-07	1.35E-06	6.13E-08	5.25E-07	1.14E-06
8,930	1.32E-07	1.07E-06	2.37E-06	1.06E-07	8.69E-07	1.90E-06	5.79E-08	4.80E-07	1.05E-06	6.06E-08	5.19E-07	1.15E-06	7.10E-08	5.68E-07	1.28E-06	7.62E-08	5.97E-07	1.35E-06	6.12E-08	5.25E-07	1.14E-06
8,931	1.32E-07	1.07E-06	2.37E-06	1.06E-07	8.69E-07	1.90E-06	5.79E-08	4.79E-07	1.05E-06	6.05E-08	5.18E-07	1.15E-06	7.09E-08	5.67E-07	1.28E-06	7.62E-08	5.97E-07	1.35E-06	6.12E-08	5.24E-07	1.14E-06
8,932	1.32E-07	1.07E-06	2.37E-06	1.06E-07	8.69E-07	1.89E-06	5.79E-08	4.79E-07	1.05E-06	6.05E-08	5.18E-07	1.15E-06	7.09E-08	5.67E-07	1.28E-06	7.62E-08	5.97E-07	1.34E-06	6.11E-08	5.24E-07	1.14E-06
8,933	1.32E-07	1.07E-06	2.37E-06	1.06E-07	8.69E-07	1.89E-06	5.79E-08	4.79E-07	1.05E-06	6.04E-08	5.18E-07	1.14E-06	7.09E-08	5.67E-07	1.28E-06	7.62E-08	5.97E-07	1.34E-06	6.11E-08	5.23E-07	1.14E-06
8,934	1.32E-07	1.07E-06	2.37E-06	1.06E-07	8.69E-07	1.89E-06	5.77E-08	4.79E-07	1.05E-06	6.04E-08	5.18E-07	1.14E-06	7.08E-08	5.67E-07	1.28E-06	7.62E-08	5.97E-07	1.34E-06	6.11E-08	5.23E-07	1.14E-06
8,935	1.32E-07	1.07E-06	2.37E-06	1.05E-07	8.69E-07	1.89E-06	5.77E-08	4.78E-07	1.05E-06	6.04E-08	5.18E-07	1.14E-06	7.08E-08	5.65E-07	1.28E-06	7.61E-08	5.96E-07	1.34E-06	6.10E-08	5.22E-07	1.14E-06
8,936	1.31E-07	1.07E-06	2.36E-06	1.05E-07	8.68E-07	1.89E-06	5.76E-08	4.78E-07	1.05E-06	6.04E-08	5.18E-07	1.14E-06	7.07E-08	5.65E-07	1.28E-06	7.60E-08	5.96E-07	1.34E-06	6.10E-08	5.22E-07	1.14E-06
8,937	1.31E-07	1.07E-06	2.36E-06	1.05E-07	8.68E-07	1.89E-06	5.76E-08	4.78E-07	1.05E-06	6.02E-08	5.17E-07	1.14E-06	7.06E-08	5.64E-07	1.28E-06	7.60E-08	5.96E-07	1.34E-06	6.10E-08	5.22E-07	1.14E-06
8,938	1.31E-07	1.07E-06	2.36E-06	1.05E-07	8.67E-07	1.89E-06	5.75E-08	4.78E-07	1.05E-06	6.02E-08	5.17E-07	1.14E-06	7.06E-08	5.64E-07	1.27E-06	7.59E-08	5.95E-07	1.34E-06	6.09E-08	5.22E-07	1.14E-06
8,939	1.31E-07	1.07E-06	2.36E-06	1.05E-07	8.67E-07	1.89E-06	5.75E-08	4.78E-07	1.04E-06	6.02E-08	5.16E-07	1.14E-06	7.05E-08	5.64E-07	1.27E-06	7.59E-08	5.95E-07	1.34E-06	6.09E-08	5.21E-07	1.14E-06
8,940	1.31E-07	1.07E-06	2.36E-06	1.05E-07	8.66E-07	1.89E-06	5.75E-08	4.78E-07	1.04E-06	6.01E-08	5.16E-07	1.14E-06	7.05E-08	5.64E-07	1.27E-06	7.59E-08	5.94E-07	1.34E-06	6.09E-08	5.20E-07	1.14E-06
8,941	1.30E-07	1.07E-06	2.36E-06	1.05E-07	8.66E-07	1.88E-06	5.74E-08	4.78E-07	1.04E-06	6.01E-08	5.15E-07	1.14E-06	7.05E-08	5.63E-07	1.27E-06	7.59E-08	5.94E-07	1.34E-06	6.08E-08	5.20E-07	1.14E-06
8,942	1.30E-07	1.07E-06	2.35E-06	1.05E-07	8.66E-07	1.88E-06	5.74E-08	4.78E-07	1.04E-06	6.01E-08	5.15E-07	1.14E-06	7.04E-08	5.63E-07	1.27E-06	7.59E-08	5.94E-07	1.34E-06	6.08E-08	5.20E-07	1.14E-06
8,943	1.30E-07	1.07E-06	2.35E-06	1.05E-07	8.65E-07	1.88E-06	5.73E-08	4.77E-07	1.04E-06	6.00E-08	5.14E-07	1.14E-06	7.04E-08	5.63E-07	1.27E-06	7.59E-08	5.94E-07	1.34E-06	6.07E-08	5.19E-07	1.13E-06
8,944	1.30E-07	1.07E-06	2.35E-06	1.05E-07	8.65E-07	1.88E-06	5.73E-08	4.76E-07	1.04E-06	5.99E-08	5.14E-07	1.14E-06	7.04E-08	5.62E-07	1.27E-06	7.59E-08	5.93E-07	1.34E-06	6.07E-08	5.19E-07	1.13E-06
8,945	1.30E-07	1.07E-06	2.35E-06	1.05E-07	8.65E-07	1.88E-06	5.72E-08	4.76E-07	1.04E-06	5.99E-08	5.14E-07	1.14E-06	7.03E-08	5.62E-07	1.27E-06	7.58E-08	5.92E-07	1.34E-06	6.07E-08	5.19E-07	1.13E-06
8,946	1.30E-07	1.07E-06	2.35E-06	1.04E-07	8.65E-07	1.88E-06	5.71E-08	4.76E-07	1.04E-06	5.98E-08	5.14E-07	1.14E-06	7.03E-08	5.62E-07	1.27E-06	7.58E-08	5.92E-07	1.33E-06	6.07E-08	5.19E-07	1.13E-06
8,947	1.30E-07	1.07E-06	2.35E-06	1.04E-07	8.65E-07	1.88E-06	5.71E-08	4.76E-07	1.04E-06	5.98E-08	5.13E-07	1.14E-06	7.03E-08	5.62E-07	1.27E-06	7.58E-08	5.92E-07	1.33E-06	6.07E-08	5.18E-07	1.13E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,968	1.29E-07	1.06E-06	2.32E-06	1.03E-07	8.52E-07	1.86E-06	5.61E-08	4.69E-07	1.02E-06	5.90E-08	5.07E-07	1.12E-06	6.91E-08	5.53E-07	1.25E-06	7.50E-08	5.82E-07	1.31E-06	6.00E-08	5.12E-07	1.12E-06
8,969	1.29E-07	1.06E-06	2.31E-06	1.03E-07	8.48E-07	1.86E-06	5.61E-08	4.69E-07	1.02E-06	5.90E-08	5.07E-07	1.12E-06	6.90E-08	5.53E-07	1.25E-06	7.49E-08	5.82E-07	1.31E-06	6.00E-08	5.12E-07	1.12E-06
8,970	1.28E-07	1.06E-06	2.31E-06	1.03E-07	8.48E-07	1.86E-06	5.60E-08	4.69E-07	1.02E-06	5.89E-08	5.07E-07	1.12E-06	6.88E-08	5.52E-07	1.25E-06	7.49E-08	5.82E-07	1.31E-06	5.98E-08	5.12E-07	1.12E-06
8,971	1.28E-07	1.06E-06	2.31E-06	1.03E-07	8.47E-07	1.86E-06	5.60E-08	4.68E-07	1.02E-06	5.89E-08	5.06E-07	1.12E-06	6.88E-08	5.52E-07	1.25E-06	7.49E-08	5.81E-07	1.31E-06	5.98E-08	5.12E-07	1.12E-06
8,972	1.28E-07	1.06E-06	2.31E-06	1.03E-07	8.46E-07	1.86E-06	5.60E-08	4.68E-07	1.02E-06	5.89E-08	5.05E-07	1.11E-06	6.88E-08	5.51E-07	1.25E-06	7.49E-08	5.81E-07	1.31E-06	5.97E-08	5.12E-07	1.11E-06
8,973	1.28E-07	1.05E-06	2.30E-06	1.03E-07	8.46E-07	1.86E-06	5.60E-08	4.67E-07	1.02E-06	5.89E-08	5.05E-07	1.11E-06	6.87E-08	5.51E-07	1.25E-06	7.49E-08	5.80E-07	1.30E-06	5.97E-08	5.12E-07	1.11E-06
8,974	1.28E-07	1.05E-06	2.30E-06	1.03E-07	8.46E-07	1.85E-06	5.60E-08	4.66E-07	1.02E-06	5.88E-08	5.05E-07	1.11E-06	6.87E-08	5.51E-07	1.25E-06	7.48E-08	5.80E-07	1.30E-06	5.97E-08	5.11E-07	1.11E-06
8,975	1.28E-07	1.05E-06	2.29E-06	1.03E-07	8.46E-07	1.85E-06	5.60E-08	4.66E-07	1.02E-06	5.88E-08	5.05E-07	1.11E-06	6.87E-08	5.51E-07	1.25E-06	7.47E-08	5.80E-07	1.30E-06	5.96E-08	5.11E-07	1.11E-06
8,976	1.28E-07	1.05E-06	2.29E-06	1.03E-07	8.46E-07	1.85E-06	5.60E-08	4.66E-07	1.02E-06	5.88E-08	5.04E-07	1.11E-06	6.87E-08	5.51E-07	1.25E-06	7.47E-08	5.79E-07	1.30E-06	5.95E-08	5.11E-07	1.11E-06
8,977	1.28E-07	1.05E-06	2.29E-06	1.03E-07	8.45E-07	1.85E-06	5.59E-08	4.66E-07	1.02E-06	5.88E-08	5.04E-07	1.11E-06	6.87E-08	5.50E-07	1.24E-06	7.45E-08	5.79E-07	1.30E-06	5.95E-08	5.11E-07	1.11E-06
8,978	1.28E-07	1.05E-06	2.29E-06	1.03E-07	8.43E-07	1.85E-06	5.59E-08	4.66E-07	1.02E-06	5.87E-08	5.02E-07	1.11E-06	6.86E-08	5.50E-07	1.24E-06	7.44E-08	5.79E-07	1.30E-06	5.94E-08	5.10E-07	1.11E-06
8,979	1.28E-07	1.05E-06	2.28E-06	1.03E-07	8.42E-07	1.85E-06	5.59E-08	4.66E-07	1.02E-06	5.87E-08	5.02E-07	1.11E-06	6.85E-08	5.50E-07	1.24E-06	7.44E-08	5.79E-07	1.30E-06	5.93E-08	5.10E-07	1.11E-06
8,980	1.28E-07	1.05E-06	2.28E-06	1.03E-07	8.41E-07	1.85E-06	5.59E-08	4.66E-07	1.02E-06	5.87E-08	5.02E-07	1.11E-06	6.85E-08	5.50E-07	1.24E-06	7.44E-08	5.79E-07	1.30E-06	5.93E-08	5.10E-07	1.11E-06
8,981	1.28E-07	1.05E-06	2.28E-06	1.02E-07	8.41E-07	1.85E-06	5.59E-08	4.66E-07	1.01E-06	5.86E-08	5.02E-07	1.11E-06	6.85E-08	5.49E-07	1.24E-06	7.43E-08	5.78E-07	1.30E-06	5.92E-08	5.10E-07	1.11E-06
8,982	1.28E-07	1.05E-06	2.28E-06	1.02E-07	8.41E-07	1.85E-06	5.57E-08	4.65E-07	1.01E-06	5.86E-08	5.02E-07	1.11E-06	6.84E-08	5.49E-07	1.24E-06	7.41E-08	5.78E-07	1.30E-06	5.92E-08	5.09E-07	1.11E-06
8,983	1.28E-07	1.05E-06	2.28E-06	1.02E-07	8.40E-07	1.85E-06	5.57E-08	4.65E-07	1.01E-06	5.86E-08	5.01E-07	1.11E-06	6.84E-08	5.49E-07	1.24E-06	7.40E-08	5.78E-07	1.30E-06	5.92E-08	5.09E-07	1.11E-06
8,984	1.28E-07	1.05E-06	2.28E-06	1.02E-07	8.39E-07	1.84E-06	5.57E-08	4.65E-07	1.01E-06	5.86E-08	5.01E-07	1.11E-06	6.83E-08	5.49E-07	1.24E-06	7.40E-08	5.77E-07	1.30E-06	5.92E-08	5.09E-07	1.11E-06
8,985	1.27E-07	1.05E-06	2.28E-06	1.02E-07	8.39E-07	1.84E-06	5.57E-08	4.65E-07	1.01E-06	5.85E-08	5.00E-07	1.11E-06	6.83E-08	5.49E-07	1.24E-06	7.40E-08	5.77E-07	1.30E-06	5.91E-08	5.08E-07	1.11E-06
8,986	1.27E-07	1.05E-06	2.27E-06	1.02E-07	8.38E-07	1.84E-06	5.57E-08	4.65E-07	1.01E-06	5.85E-08	5.00E-07	1.11E-06	6.83E-08	5.49E-07	1.24E-06	7.39E-08	5.77E-07	1.30E-06	5.91E-08	5.08E-07	1.10E-06
8,987	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.38E-07	1.84E-06	5.56E-08	4.64E-07	1.01E-06	5.84E-08	4.99E-07	1.11E-06	6.82E-08	5.48E-07	1.24E-06	7.39E-08	5.77E-07	1.30E-06	5.91E-08	5.08E-07	1.10E-06
8,988	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.38E-07	1.84E-06	5.56E-08	4.64E-07	1.01E-06	5.84E-08	4.99E-07	1.11E-06	6.82E-08	5.48E-07	1.24E-06	7.39E-08	5.77E-07	1.30E-06	5.91E-08	5.07E-07	1.10E-06
8,989	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.38E-07	1.83E-06	5.56E-08	4.64E-07	1.01E-06	5.83E-08	4.99E-07	1.11E-06	6.81E-08	5.47E-07	1.23E-06	7.38E-08	5.77E-07	1.30E-06	5.90E-08	5.07E-07	1.10E-06
8,990	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.36E-07	1.83E-06	5.54E-08	4.63E-07	1.01E-06	5.83E-08	4.99E-07	1.11E-06	6.81E-08	5.47E-07	1.23E-06	7.38E-08	5.77E-07	1.30E-06	5.89E-08	5.07E-07	1.10E-06
8,991	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.35E-07	1.83E-06	5.54E-08	4.63E-07	1.01E-06	5.83E-08	4.99E-07	1.11E-06	6.81E-08	5.47E-07	1.23E-06	7.38E-08	5.77E-07	1.29E-06	5.89E-08	5.07E-07	1.10E-06
8,992	1.27E-07	1.04E-06	2.27E-06	1.02E-07	8.35E-07	1.83E-06	5.54E-08	4.63E-07	1.01E-06	5.83E-08	4.98E-07	1.11E-06	6.80E-08	5.47E-07	1.23E-06	7.38E-08	5.77E-07	1.29E-06	5.89E-08	5.05E-07	1.10E-06
8,993	1.27E-07	1.04E-06	2.26E-06	1.02E-07	8.34E-07	1.83E-06	5.53E-08	4.63E-07	1.01E-06	5.83E-08	4.98E-07	1.11E-06	6.80E-08	5.47E-07	1.23E-06	7.38E-08	5.77E-07	1.29E-06	5.89E-08	5.05E-07	1.10E-06
8,994	1.26E-07	1.04E-06	2.26E-06	1.02E-07	8.34E-07	1.83E-06	5.53E-08	4.62E-07	1.01E-06	5.83E-08	4.98E-07	1.10E-06	6.79E-08	5.46E-07	1.23E-06	7.38E-08	5.76E-07	1.29E-06	5.88E-08	5.05E-07	1.10E-06
8,995	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.33E-07	1.83E-06	5.52E-08	4.62E-07	1.01E-06	5.82E-08	4.98E-07	1.10E-06	6.78E-08	5.46E-07	1.23E-06	7.37E-08	5.75E-07	1.29E-06	5.88E-08	5.05E-07	1.10E-06
8,996	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.31E-07	1.83E-06	5.52E-08	4.62E-07	1.01E-06	5.81E-08	4.98E-07	1.10E-06	6.78E-08	5.46E-07	1.23E-06	7.37E-08	5.75E-07	1.29E-06	5.88E-08	5.05E-07	1.10E-06
8,997	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.30E-07	1.83E-06	5.52E-08	4.61E-07	1.01E-06	5.81E-08	4.98E-07	1.10E-06	6.78E-08	5.46E-07	1.23E-06	7.37E-08	5.74E-07	1.29E-06	5.88E-08	5.04E-07	1.10E-06
8,998	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.30E-07	1.83E-06	5.52E-08	4.61E-07	1.01E-06	5.81E-08	4.98E-07	1.10E-06	6.78E-08	5.45E-07	1.23E-06	7.36E-08	5.73E-07	1.29E-06	5.87E-08	5.04E-07	1.10E-06
8,999	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.29E-07	1.83E-06	5.51E-08	4.61E-07	1.01E-06	5.81E-08	4.97E-07	1.10E-06	6.78E-08	5.45E-07	1.23E-06	7.36E-08	5.73E-07	1.29E-06	5.87E-08	5.04E-07	1.10E-06
9,000	1.26E-07	1.04E-06	2.26E-06	1.01E-07	8.29E-07	1.83E-06	5.51E-08	4.61E-07	1.01E-06	5.81E-08	4.97E-07	1.10E-06	6.77E-08	5.45E-07	1.23E-06	7.35E-08	5.73E-07	1.29E-06	5.86E-08	5.04E-07	1.10E-06
9,001	1.26E-07	1.04E-06	2.26E-06	1.00E-07	8.27E-07	1.83E-06	5.50E-08	4.61E-07	1.01E-06	5.81E-08	4.97E-07	1.10E-06	6.77E-08	5.45E-07	1.23E-06	7.35E-08	5.73E-07	1.29E-06	5.86E-08	5.04E-07	1.10E-06
9,002	1.26E-07	1.04E-06	2.26E-06	1.00E-07	8.27E-07	1.83E-06	5.49E-08	4.61E-07	1.01E-06	5.80E-08	4.97E-07	1.10E-06	6.76E-08	5.45E-07	1.23E-06	7.35E-08	5.73E-07	1.28E-06	5.86E-08	5.03E-07	1.09E-06
9,003	1.26E-07	1.04E-06	2.26E-06	1.00E-07	8.25E-07	1.83E-06	5.48E-08	4.60E-07	1.01E-06	5.80E-08	4.97E-07	1.10E-06	6.76E-08	5.45E-07	1.23E-06	7.35E-08	5.73E-07	1.28E-06	5.86E-08	5.03E-07	1.09E-06
9,004	1.25E-07	1.03E-06	2.25E-06	1.00E-07	8.25E-07	1.82E-06	5.48E-08	4.60E-07	1.00E-06	5.79E-08	4.96E-07	1.10E-06	6.76E-08	5.44E-07	1.22E-06	7.34E-08	5.72E-07	1.28E-06	5.86E-08	5.03E-07	1.09E-06
9,005	1.25E-07	1.03E-06	2.25E-06	1.00E-07	8.25E-07	1.82E-06	5.47E-08	4.60E-07	1.00E-06	5.77E-08	4.96E-07	1.10E-06	6.76E-08	5.44E-07	1.22E-06	7.33E-08	5.72E-07	1.28E-06	5.86E-08	5.02E-07	1.09E-06
9,006	1.25E-07	1.03E-06	2.25E-06	1.00E-07	8.24E-07	1.82E-06	5.46E-08	4.59E-07	1.00E-06	5.77E-08	4.96E-07	1.10E-06	6.76E-08	5.44E-07	1.22E-06	7.33E-08	5.72E-07	1.28E-06	5.85E-08	5.02E-07	1.09E-06
9,007	1.25E-07	1.03E-06	2.25E-06	1.00E-07	8.24E-07	1.82E-06	5.46E-08	4.59E-07	1.00E-06	5.77E-08	4.96E-07	1.10E-06	6.75E-08	5.43E-07	1.22E-06	7.33E-08	5.71E-07	1.28E-06	5.85E-08	5.02E-07	1.09E-06
9,008	1.25E-07	1.03E-06	2.25E-06	9.99E-08	8.24E-07	1.82E-06	5.46E-08	4.59E-07	1.00E-06	5.76E-08	4.95E-07	1.10E-06	6.74E-08	5.43E-07	1.22E-06	7.33E-08	5.71E-07	1.28E-06	5.85E-08	5.01E-07	1.09E-06
9,009	1.25E-07	1.03E-06	2.24E-06	9.98E-08	8.23E-07	1.82E-06	5.45E-08	4.59E-07	1.00E-06	5.76E-08	4.95E-07	1.10E-06	6.74E-08	5.43E-07	1.22E-06	7.32E-08	5.70E-07	1.28E-06	5.85E-08	5.01E-07	1.09E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,030	1.24E-07	1.02E-06	2.21E-06	9.79E-08	8.10E-07	1.80E-06	5.37E-08	4.54E-07	9.90E-07	5.69E-08	4.90E-07	1.08E-06	6.62E-08	5.34E-07	1.20E-06	7.19E-08	5.61E-07	1.26E-06	5.80E-08	4.87E-07	1.07E-06
9,031	1.24E-07	1.02E-06	2.21E-06	9.78E-08	8.10E-07	1.80E-06	5.37E-08	4.54E-07	9.90E-07	5.69E-08	4.90E-07	1.08E-06	6.62E-08	5.33E-07	1.20E-06	7.18E-08	5.61E-07	1.26E-06	5.79E-08	4.87E-07	1.07E-06
9,032	1.23E-07	1.01E-06	2.21E-06	9.77E-08	8.10E-07	1.80E-06	5.37E-08	4.54E-07	9.90E-07	5.69E-08	4.89E-07	1.08E-06	6.62E-08	5.33E-07	1.20E-06	7.17E-08	5.61E-07	1.26E-06	5.79E-08	4.87E-07	1.07E-06
9,033	1.23E-07	1.01E-06	2.21E-06	9.77E-08	8.09E-07	1.79E-06	5.37E-08	4.54E-07	9.89E-07	5.69E-08	4.89E-07	1.08E-06	6.62E-08	5.33E-07	1.20E-06	7.17E-08	5.60E-07	1.26E-06	5.79E-08	4.87E-07	1.07E-06
9,034	1.23E-07	1.01E-06	2.20E-06	9.75E-08	8.09E-07	1.79E-06	5.36E-08	4.53E-07	9.89E-07	5.68E-08	4.89E-07	1.08E-06	6.62E-08	5.33E-07	1.20E-06	7.15E-08	5.60E-07	1.26E-06	5.78E-08	4.86E-07	1.07E-06
9,035	1.22E-07	1.01E-06	2.20E-06	9.74E-08	8.09E-07	1.79E-06	5.36E-08	4.53E-07	9.87E-07	5.68E-08	4.89E-07	1.08E-06	6.61E-08	5.32E-07	1.20E-06	7.15E-08	5.59E-07	1.26E-06	5.77E-08	4.85E-07	1.07E-06
9,036	1.22E-07	1.01E-06	2.20E-06	9.71E-08	8.07E-07	1.79E-06	5.36E-08	4.52E-07	9.87E-07	5.68E-08	4.89E-07	1.08E-06	6.60E-08	5.32E-07	1.20E-06	7.15E-08	5.59E-07	1.26E-06	5.77E-08	4.85E-07	1.06E-06
9,037	1.22E-07	1.01E-06	2.20E-06	9.71E-08	8.07E-07	1.79E-06	5.35E-08	4.52E-07	9.86E-07	5.68E-08	4.89E-07	1.08E-06	6.60E-08	5.32E-07	1.20E-06	7.14E-08	5.59E-07	1.26E-06	5.77E-08	4.85E-07	1.06E-06
9,038	1.22E-07	1.01E-06	2.20E-06	9.69E-08	8.07E-07	1.79E-06	5.35E-08	4.52E-07	9.86E-07	5.67E-08	4.89E-07	1.08E-06	6.59E-08	5.31E-07	1.20E-06	7.13E-08	5.59E-07	1.25E-06	5.76E-08	4.85E-07	1.06E-06
9,039	1.22E-07	1.01E-06	2.20E-06	9.69E-08	8.04E-07	1.79E-06	5.35E-08	4.52E-07	9.83E-07	5.66E-08	4.89E-07	1.08E-06	6.59E-08	5.30E-07	1.20E-06	7.13E-08	5.58E-07	1.25E-06	5.76E-08	4.85E-07	1.06E-06
9,040	1.22E-07	1.01E-06	2.19E-06	9.68E-08	8.04E-07	1.79E-06	5.34E-08	4.51E-07	9.82E-07	5.66E-08	4.88E-07	1.08E-06	6.58E-08	5.30E-07	1.20E-06	7.13E-08	5.58E-07	1.25E-06	5.76E-08	4.85E-07	1.06E-06
9,041	1.22E-07	1.01E-06	2.19E-06	9.68E-08	8.04E-07	1.79E-06	5.34E-08	4.51E-07	9.81E-07	5.65E-08	4.88E-07	1.08E-06	6.58E-08	5.30E-07	1.20E-06	7.12E-08	5.58E-07	1.25E-06	5.76E-08	4.84E-07	1.06E-06
9,042	1.22E-07	1.01E-06	2.19E-06	9.68E-08	8.03E-07	1.79E-06	5.34E-08	4.51E-07	9.80E-07	5.65E-08	4.88E-07	1.07E-06	6.58E-08	5.30E-07	1.20E-06	7.12E-08	5.58E-07	1.25E-06	5.75E-08	4.84E-07	1.06E-06
9,043	1.22E-07	1.01E-06	2.19E-06	9.64E-08	8.03E-07	1.78E-06	5.34E-08	4.51E-07	9.80E-07	5.65E-08	4.87E-07	1.07E-06	6.57E-08	5.29E-07	1.20E-06	7.12E-08	5.57E-07	1.25E-06	5.75E-08	4.83E-07	1.06E-06
9,044	1.22E-07	1.01E-06	2.19E-06	9.63E-08	8.03E-07	1.78E-06	5.34E-08	4.51E-07	9.80E-07	5.64E-08	4.87E-07	1.07E-06	6.57E-08	5.29E-07	1.20E-06	7.11E-08	5.57E-07	1.25E-06	5.74E-08	4.83E-07	1.06E-06
9,045	1.22E-07	1.00E-06	2.19E-06	9.63E-08	8.01E-07	1.78E-06	5.33E-08	4.51E-07	9.80E-07	5.64E-08	4.86E-07	1.07E-06	6.57E-08	5.27E-07	1.19E-06	7.11E-08	5.57E-07	1.25E-06	5.74E-08	4.83E-07	1.06E-06
9,046	1.22E-07	1.00E-06	2.19E-06	9.63E-08	8.01E-07	1.78E-06	5.32E-08	4.51E-07	9.79E-07	5.62E-08	4.85E-07	1.07E-06	6.56E-08	5.27E-07	1.19E-06	7.11E-08	5.56E-07	1.25E-06	5.74E-08	4.82E-07	1.06E-06
9,047	1.22E-07	1.00E-06	2.19E-06	9.63E-08	8.00E-07	1.78E-06	5.32E-08	4.50E-07	9.79E-07	5.61E-08	4.85E-07	1.07E-06	6.55E-08	5.27E-07	1.19E-06	7.11E-08	5.56E-07	1.25E-06	5.74E-08	4.81E-07	1.06E-06
9,048	1.22E-07	1.00E-06	2.18E-06	9.62E-08	8.00E-07	1.78E-06	5.32E-08	4.50E-07	9.79E-07	5.61E-08	4.84E-07	1.07E-06	6.54E-08	5.26E-07	1.19E-06	7.10E-08	5.55E-07	1.25E-06	5.73E-08	4.80E-07	1.06E-06
9,049	1.21E-07	1.00E-06	2.18E-06	9.62E-08	7.99E-07	1.78E-06	5.32E-08	4.50E-07	9.79E-07	5.60E-08	4.84E-07	1.07E-06	6.54E-08	5.26E-07	1.19E-06	7.10E-08	5.55E-07	1.24E-06	5.72E-08	4.80E-07	1.05E-06
9,050	1.21E-07	1.00E-06	2.18E-06	9.62E-08	7.99E-07	1.78E-06	5.32E-08	4.49E-07	9.78E-07	5.60E-08	4.84E-07	1.07E-06	6.54E-08	5.25E-07	1.19E-06	7.10E-08	5.54E-07	1.24E-06	5.72E-08	4.80E-07	1.05E-06
9,051	1.21E-07	1.00E-06	2.17E-06	9.61E-08	7.98E-07	1.77E-06	5.31E-08	4.49E-07	9.78E-07	5.60E-08	4.83E-07	1.07E-06	6.53E-08	5.25E-07	1.19E-06	7.09E-08	5.54E-07	1.24E-06	5.71E-08	4.79E-07	1.05E-06
9,052	1.21E-07	9.99E-07	2.17E-06	9.61E-08	7.98E-07	1.77E-06	5.31E-08	4.49E-07	9.76E-07	5.60E-08	4.83E-07	1.07E-06	6.51E-08	5.25E-07	1.19E-06	7.09E-08	5.54E-07	1.24E-06	5.71E-08	4.79E-07	1.05E-06
9,053	1.21E-07	9.97E-07	2.17E-06	9.60E-08	7.98E-07	1.77E-06	5.31E-08	4.49E-07	9.75E-07	5.58E-08	4.83E-07	1.07E-06	6.51E-08	5.25E-07	1.19E-06	7.08E-08	5.54E-07	1.24E-06	5.71E-08	4.79E-07	1.05E-06
9,054	1.21E-07	9.95E-07	2.16E-06	9.59E-08	7.97E-07	1.76E-06	5.29E-08	4.49E-07	9.75E-07	5.58E-08	4.83E-07	1.07E-06	6.51E-08	5.25E-07	1.19E-06	7.08E-08	5.53E-07	1.24E-06	5.71E-08	4.78E-07	1.05E-06
9,055	1.21E-07	9.94E-07	2.16E-06	9.59E-08	7.97E-07	1.76E-06	5.29E-08	4.49E-07	9.75E-07	5.58E-08	4.82E-07	1.07E-06	6.50E-08	5.25E-07	1.19E-06	7.08E-08	5.53E-07	1.24E-06	5.70E-08	4.78E-07	1.05E-06
9,056	1.21E-07	9.93E-07	2.16E-06	9.57E-08	7.95E-07	1.76E-06	5.29E-08	4.49E-07	9.75E-07	5.57E-08	4.82E-07	1.07E-06	6.50E-08	5.25E-07	1.19E-06	7.07E-08	5.52E-07	1.24E-06	5.70E-08	4.78E-07	1.05E-06
9,057	1.21E-07	9.92E-07	2.16E-06	9.56E-08	7.95E-07	1.76E-06	5.29E-08	4.48E-07	9.75E-07	5.57E-08	4.82E-07	1.07E-06	6.50E-08	5.24E-07	1.19E-06	7.06E-08	5.52E-07	1.24E-06	5.69E-08	4.78E-07	1.05E-06
9,058	1.21E-07	9.91E-07	2.16E-06	9.56E-08	7.93E-07	1.76E-06	5.29E-08	4.48E-07	9.74E-07	5.56E-08	4.81E-07	1.07E-06	6.50E-08	5.24E-07	1.19E-06	7.06E-08	5.52E-07	1.23E-06	5.69E-08	4.78E-07	1.05E-06
9,059	1.21E-07	9.90E-07	2.15E-06	9.54E-08	7.92E-07	1.76E-06	5.29E-08	4.48E-07	9.73E-07	5.56E-08	4.81E-07	1.07E-06	6.49E-08	5.24E-07	1.19E-06	7.06E-08	5.52E-07	1.23E-06	5.69E-08	4.78E-07	1.05E-06
9,060	1.21E-07	9.90E-07	2.15E-06	9.51E-08	7.92E-07	1.76E-06	5.27E-08	4.48E-07	9.71E-07	5.56E-08	4.81E-07	1.06E-06	6.48E-08	5.23E-07	1.18E-06	7.05E-08	5.52E-07	1.23E-06	5.68E-08	4.77E-07	1.05E-06
9,061	1.21E-07	9.89E-07	2.15E-06	9.50E-08	7.91E-07	1.76E-06	5.27E-08	4.47E-07	9.71E-07	5.55E-08	4.81E-07	1.06E-06	6.48E-08	5.23E-07	1.18E-06	7.05E-08	5.51E-07	1.23E-06	5.68E-08	4.76E-07	1.05E-06
9,062	1.20E-07	9.89E-07	2.15E-06	9.50E-08	7.90E-07	1.75E-06	5.26E-08	4.46E-07	9.71E-07	5.55E-08	4.80E-07	1.06E-06	6.47E-08	5.23E-07	1.18E-06	7.05E-08	5.51E-07	1.23E-06	5.68E-08	4.76E-07	1.04E-06
9,063	1.20E-07	9.89E-07	2.15E-06	9.47E-08	7.89E-07	1.75E-06	5.25E-08	4.46E-07	9.71E-07	5.54E-08	4.79E-07	1.06E-06	6.47E-08	5.22E-07	1.18E-06	7.04E-08	5.50E-07	1.23E-06	5.68E-08	4.76E-07	1.04E-06
9,064	1.20E-07	9.89E-07	2.15E-06	9.47E-08	7.89E-07	1.75E-06	5.25E-08	4.46E-07	9.71E-07	5.53E-08	4.79E-07	1.06E-06	6.47E-08	5.22E-07	1.18E-06	7.04E-08	5.50E-07	1.23E-06	5.68E-08	4.76E-07	1.04E-06
9,065	1.20E-07	9.88E-07	2.15E-06	9.46E-08	7.87E-07	1.75E-06	5.25E-08	4.46E-07	9.70E-07	5.53E-08	4.79E-07	1.06E-06	6.47E-08	5.21E-07	1.18E-06	7.04E-08	5.49E-07	1.23E-06	5.68E-08	4.75E-07	1.04E-06
9,066	1.20E-07	9.88E-07	2.15E-06	9.46E-08	7.87E-07	1.75E-06	5.25E-08	4.46E-07	9.69E-07	5.53E-08	4.79E-07	1.06E-06	6.47E-08	5.21E-07	1.18E-06	7.04E-08	5.49E-07	1.23E-06	5.68E-08	4.75E-07	1.04E-06
9,067	1.20E-07	9.88E-07	2.15E-06	9.44E-08	7.86E-07	1.74E-06	5.24E-08	4.46E-07	9.67E-07	5.52E-08	4.77E-07	1.06E-06	6.46E-08	5.21E-07	1.18E-06	7.04E-08	5.49E-07	1.23E-06	5.67E-08	4.75E-07	1.04E-06
9,068	1.20E-07	9.87E-07	2.14E-06	9.44E-08	7.86E-07	1.74E-06	5.24E-08	4.45E-07	9.67E-07	5.50E-08	4.77E-07	1.06E-06	6.46E-08	5.20E-07	1.18E-06	7.03E-08	5.49E-07	1.23E-06	5.67E-08	4.75E-07	1.04E-06
9,069	1.20E-07	9.86E-07	2.14E-06	9.44E-08	7.86E-07	1.74E-06	5.23E-08	4.45E-07	9.66E-07	5.50E-08	4.77E-07	1.06E-06	6.44E-08	5.20E-07	1.18E-06	7.03E-08	5.48E-07	1.23E-06	5.67E-08	4.75E-07	1.04E-06
9,070	1.20E-07	9.85E-07	2.14E-06	9.43E-08	7.86E-07	1.74E-06	5.23E-08	4.45E-07	9.66E-07	5.50E-08	4.76E-07	1.06E-06	6.42E-08	5.20E-07	1.18E-06	7.02E-08	5.48E-07	1.23E-06	5.66E-08	4.74E-07	1.04E-06
9,071	1.19E-07	9.85E-07	2.14E-06	9.43E-08	7.84E-07	1.74E-06	5.23E-08	4.45E-07	9.66E-07	5.50E-08	4.76E-07	1.06E-06	6.42E-08	5.20E-07	1.18E-06	7.02E-08	5.47E-07	1.22E-06	5.66E-08	4.74E-07	1.04E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,092	1.18E-07	9.68E-07	2.10E-06	9.29E-08	7.75E-07	1.71E-06	5.15E-08	4.40E-07	9.54E-07	5.43E-08	4.70E-07	1.04E-06	6.34E-08	5.09E-07	1.17E-06	6.96E-08	5.41E-07	1.21E-06	5.58E-08	4.66E-07	1.02E-06
9,093	1.18E-07	9.68E-07	2.10E-06	9.29E-08	7.75E-07	1.71E-06	5.15E-08	4.39E-07	9.54E-07	5.42E-08	4.70E-07	1.04E-06	6.34E-08	5.09E-07	1.17E-06	6.96E-08	5.40E-07	1.21E-06	5.58E-08	4.65E-07	1.02E-06
9,094	1.18E-07	9.68E-07	2.10E-06	9.27E-08	7.75E-07	1.71E-06	5.15E-08	4.39E-07	9.53E-07	5.42E-08	4.69E-07	1.04E-06	6.34E-08	5.09E-07	1.17E-06	6.96E-08	5.39E-07	1.21E-06	5.58E-08	4.65E-07	1.02E-06
9,095	1.18E-07	9.65E-07	2.10E-06	9.26E-08	7.73E-07	1.71E-06	5.15E-08	4.39E-07	9.53E-07	5.42E-08	4.69E-07	1.04E-06	6.34E-08	5.09E-07	1.17E-06	6.95E-08	5.38E-07	1.21E-06	5.58E-08	4.65E-07	1.02E-06
9,096	1.18E-07	9.64E-07	2.09E-06	9.26E-08	7.72E-07	1.70E-06	5.15E-08	4.39E-07	9.53E-07	5.41E-08	4.69E-07	1.04E-06	6.33E-08	5.09E-07	1.17E-06	6.95E-08	5.38E-07	1.20E-06	5.58E-08	4.64E-07	1.02E-06
9,097	1.18E-07	9.64E-07	2.09E-06	9.26E-08	7.72E-07	1.70E-06	5.14E-08	4.38E-07	9.53E-07	5.41E-08	4.68E-07	1.04E-06	6.33E-08	5.09E-07	1.17E-06	6.94E-08	5.37E-07	1.20E-06	5.57E-08	4.64E-07	1.02E-06
9,098	1.18E-07	9.64E-07	2.09E-06	9.25E-08	7.71E-07	1.70E-06	5.14E-08	4.38E-07	9.50E-07	5.40E-08	4.68E-07	1.04E-06	6.33E-08	5.09E-07	1.16E-06	6.92E-08	5.37E-07	1.20E-06	5.57E-08	4.64E-07	1.02E-06
9,099	1.18E-07	9.63E-07	2.09E-06	9.24E-08	7.71E-07	1.70E-06	5.14E-08	4.37E-07	9.50E-07	5.40E-08	4.68E-07	1.04E-06	6.32E-08	5.09E-07	1.16E-06	6.91E-08	5.37E-07	1.20E-06	5.56E-08	4.64E-07	1.01E-06
9,100	1.18E-07	9.62E-07	2.09E-06	9.24E-08	7.71E-07	1.70E-06	5.14E-08	4.37E-07	9.49E-07	5.40E-08	4.68E-07	1.04E-06	6.31E-08	5.08E-07	1.16E-06	6.91E-08	5.37E-07	1.20E-06	5.56E-08	4.64E-07	1.01E-06
9,101	1.18E-07	9.61E-07	2.09E-06	9.24E-08	7.70E-07	1.70E-06	5.14E-08	4.37E-07	9.48E-07	5.40E-08	4.68E-07	1.04E-06	6.30E-08	5.08E-07	1.16E-06	6.89E-08	5.37E-07	1.20E-06	5.56E-08	4.63E-07	1.01E-06
9,102	1.18E-07	9.61E-07	2.09E-06	9.22E-08	7.70E-07	1.70E-06	5.14E-08	4.37E-07	9.47E-07	5.40E-08	4.67E-07	1.04E-06	6.30E-08	5.08E-07	1.16E-06	6.88E-08	5.37E-07	1.20E-06	5.56E-08	4.63E-07	1.01E-06
9,103	1.18E-07	9.59E-07	2.09E-06	9.21E-08	7.69E-07	1.70E-06	5.13E-08	4.37E-07	9.46E-07	5.40E-08	4.67E-07	1.03E-06	6.29E-08	5.08E-07	1.16E-06	6.88E-08	5.36E-07	1.20E-06	5.56E-08	4.63E-07	1.01E-06
9,104	1.18E-07	9.58E-07	2.09E-06	9.21E-08	7.69E-07	1.70E-06	5.13E-08	4.37E-07	9.46E-07	5.39E-08	4.67E-07	1.03E-06	6.29E-08	5.08E-07	1.16E-06	6.88E-08	5.34E-07	1.20E-06	5.56E-08	4.62E-07	1.01E-06
9,105	1.17E-07	9.58E-07	2.09E-06	9.20E-08	7.69E-07	1.70E-06	5.13E-08	4.36E-07	9.45E-07	5.39E-08	4.67E-07	1.03E-06	6.28E-08	5.07E-07	1.16E-06	6.87E-08	5.32E-07	1.20E-06	5.55E-08	4.62E-07	1.01E-06
9,106	1.17E-07	9.57E-07	2.08E-06	9.20E-08	7.67E-07	1.70E-06	5.13E-08	4.36E-07	9.44E-07	5.39E-08	4.67E-07	1.03E-06	6.28E-08	5.07E-07	1.16E-06	6.87E-08	5.31E-07	1.20E-06	5.54E-08	4.61E-07	1.01E-06
9,107	1.17E-07	9.56E-07	2.08E-06	9.18E-08	7.66E-07	1.69E-06	5.12E-08	4.36E-07	9.44E-07	5.38E-08	4.67E-07	1.03E-06	6.28E-08	5.07E-07	1.16E-06	6.87E-08	5.31E-07	1.20E-06	5.54E-08	4.61E-07	1.01E-06
9,108	1.17E-07	9.55E-07	2.08E-06	9.17E-08	7.66E-07	1.69E-06	5.11E-08	4.35E-07	9.44E-07	5.38E-08	4.67E-07	1.03E-06	6.27E-08	5.06E-07	1.16E-06	6.85E-08	5.31E-07	1.20E-06	5.54E-08	4.60E-07	1.01E-06
9,109	1.17E-07	9.54E-07	2.08E-06	9.17E-08	7.65E-07	1.69E-06	5.11E-08	4.35E-07	9.43E-07	5.37E-08	4.66E-07	1.03E-06	6.26E-08	5.06E-07	1.16E-06	6.83E-08	5.30E-07	1.20E-06	5.54E-08	4.60E-07	1.01E-06
9,110	1.17E-07	9.54E-07	2.08E-06	9.17E-08	7.65E-07	1.69E-06	5.10E-08	4.34E-07	9.43E-07	5.37E-08	4.66E-07	1.03E-06	6.26E-08	5.06E-07	1.16E-06	6.83E-08	5.30E-07	1.20E-06	5.53E-08	4.60E-07	1.01E-06
9,111	1.17E-07	9.53E-07	2.08E-06	9.16E-08	7.65E-07	1.69E-06	5.10E-08	4.34E-07	9.42E-07	5.37E-08	4.66E-07	1.03E-06	6.25E-08	5.05E-07	1.16E-06	6.82E-08	5.30E-07	1.20E-06	5.53E-08	4.59E-07	1.00E-06
9,112	1.17E-07	9.53E-07	2.08E-06	9.16E-08	7.62E-07	1.69E-06	5.10E-08	4.34E-07	9.42E-07	5.37E-08	4.66E-07	1.03E-06	6.25E-08	5.05E-07	1.16E-06	6.82E-08	5.29E-07	1.20E-06	5.53E-08	4.59E-07	1.00E-06
9,113	1.17E-07	9.53E-07	2.08E-06	9.15E-08	7.62E-07	1.68E-06	5.10E-08	4.33E-07	9.39E-07	5.36E-08	4.66E-07	1.03E-06	6.24E-08	5.04E-07	1.16E-06	6.82E-08	5.29E-07	1.20E-06	5.53E-08	4.59E-07	1.00E-06
9,114	1.17E-07	9.51E-07	2.08E-06	9.15E-08	7.62E-07	1.68E-06	5.10E-08	4.33E-07	9.38E-07	5.35E-08	4.66E-07	1.03E-06	6.24E-08	5.04E-07	1.16E-06	6.81E-08	5.28E-07	1.19E-06	5.52E-08	4.59E-07	1.00E-06
9,115	1.17E-07	9.50E-07	2.08E-06	9.14E-08	7.61E-07	1.68E-06	5.09E-08	4.33E-07	9.38E-07	5.35E-08	4.66E-07	1.03E-06	6.24E-08	5.03E-07	1.15E-06	6.80E-08	5.28E-07	1.19E-06	5.52E-08	4.58E-07	1.00E-06
9,116	1.17E-07	9.50E-07	2.08E-06	9.13E-08	7.61E-07	1.68E-06	5.09E-08	4.33E-07	9.37E-07	5.35E-08	4.66E-07	1.03E-06	6.23E-08	5.03E-07	1.15E-06	6.79E-08	5.28E-07	1.19E-06	5.52E-08	4.58E-07	1.00E-06
9,117	1.17E-07	9.48E-07	2.07E-06	9.11E-08	7.60E-07	1.68E-06	5.09E-08	4.33E-07	9.37E-07	5.35E-08	4.65E-07	1.03E-06	6.23E-08	5.03E-07	1.15E-06	6.78E-08	5.27E-07	1.19E-06	5.52E-08	4.58E-07	1.00E-06
9,118	1.17E-07	9.48E-07	2.07E-06	9.10E-08	7.59E-07	1.68E-06	5.08E-08	4.33E-07	9.37E-07	5.35E-08	4.65E-07	1.03E-06	6.22E-08	5.02E-07	1.15E-06	6.78E-08	5.27E-07	1.19E-06	5.51E-08	4.57E-07	1.00E-06
9,119	1.17E-07	9.47E-07	2.07E-06	9.09E-08	7.58E-07	1.68E-06	5.08E-08	4.32E-07	9.36E-07	5.34E-08	4.65E-07	1.02E-06	6.22E-08	5.02E-07	1.15E-06	6.77E-08	5.27E-07	1.19E-06	5.51E-08	4.57E-07	1.00E-06
9,120	1.17E-07	9.47E-07	2.07E-06	9.09E-08	7.57E-07	1.67E-06	5.08E-08	4.32E-07	9.36E-07	5.34E-08	4.65E-07	1.02E-06	6.22E-08	5.00E-07	1.15E-06	6.76E-08	5.27E-07	1.19E-06	5.51E-08	4.56E-07	1.00E-06
9,121	1.16E-07	9.46E-07	2.07E-06	9.07E-08	7.56E-07	1.67E-06	5.07E-08	4.32E-07	9.35E-07	5.33E-08	4.65E-07	1.02E-06	6.21E-08	4.99E-07	1.15E-06	6.75E-08	5.26E-07	1.19E-06	5.51E-08	4.56E-07	1.00E-06
9,122	1.16E-07	9.46E-07	2.07E-06	9.05E-08	7.56E-07	1.67E-06	5.07E-08	4.32E-07	9.32E-07	5.33E-08	4.64E-07	1.02E-06	6.21E-08	4.99E-07	1.15E-06	6.75E-08	5.26E-07	1.19E-06	5.51E-08	4.55E-07	9.99E-07
9,123	1.16E-07	9.44E-07	2.07E-06	9.03E-08	7.54E-07	1.67E-06	5.07E-08	4.32E-07	9.32E-07	5.33E-08	4.64E-07	1.02E-06	6.21E-08	4.99E-07	1.15E-06	6.74E-08	5.26E-07	1.19E-06	5.51E-08	4.55E-07	9.98E-07
9,124	1.16E-07	9.44E-07	2.07E-06	9.02E-08	7.54E-07	1.67E-06	5.07E-08	4.31E-07	9.32E-07	5.32E-08	4.64E-07	1.02E-06	6.21E-08	4.99E-07	1.15E-06	6.74E-08	5.25E-07	1.19E-06	5.51E-08	4.55E-07	9.98E-07
9,125	1.16E-07	9.42E-07	2.07E-06	9.01E-08	7.52E-07	1.66E-06	5.06E-08	4.31E-07	9.31E-07	5.32E-08	4.64E-07	1.02E-06	6.20E-08	4.99E-07	1.15E-06	6.74E-08	5.25E-07	1.19E-06	5.51E-08	4.55E-07	9.98E-07
9,126	1.16E-07	9.41E-07	2.06E-06	9.01E-08	7.52E-07	1.66E-06	5.06E-08	4.30E-07	9.30E-07	5.32E-08	4.64E-07	1.02E-06	6.20E-08	4.99E-07	1.15E-06	6.74E-08	5.25E-07	1.19E-06	5.50E-08	4.55E-07	9.98E-07
9,127	1.16E-07	9.41E-07	2.06E-06	9.00E-08	7.52E-07	1.66E-06	5.06E-08	4.30E-07	9.29E-07	5.32E-08	4.63E-07	1.02E-06	6.20E-08	4.98E-07	1.15E-06	6.72E-08	5.23E-07	1.19E-06	5.50E-08	4.55E-07	9.94E-07
9,128	1.16E-07	9.38E-07	2.06E-06	9.00E-08	7.52E-07	1.66E-06	5.06E-08	4.30E-07	9.28E-07	5.32E-08	4.62E-07	1.02E-06	6.19E-08	4.98E-07	1.15E-06	6.71E-08	5.23E-07	1.19E-06	5.49E-08	4.54E-07	9.94E-07
9,129	1.15E-07	9.37E-07	2.06E-06	8.99E-08	7.51E-07	1.66E-06	5.05E-08	4.30E-07	9.28E-07	5.31E-08	4.62E-07	1.02E-06	6.19E-08	4.97E-07	1.15E-06	6.71E-08	5.22E-07	1.18E-06	5.49E-08	4.53E-07	9.94E-07
9,130	1.15E-07	9.37E-07	2.06E-06	8.98E-08	7.51E-07	1.65E-06	5.05E-08	4.30E-07	9.28E-07	5.31E-08	4.61E-07	1.02E-06	6.18E-08	4.97E-07	1.15E-06	6.68E-08	5.22E-07	1.18E-06	5.49E-08	4.53E-07	9.94E-07
9,131	1.15E-07	9.37E-07	2.06E-06	8.98E-08	7.49E-07	1.65E-06	5.05E-08	4.29E-07	9.28E-07	5.31E-08	4.61E-07	1.02E-06	6.18E-08	4.96E-07	1.15E-06	6.68E-08	5.22E-07	1.18E-06	5.48E-08	4.53E-07	9.93E-07
9,132	1.15E-07	9.36E-07	2.06E-06	8.96E-08	7.49E-07	1.65E-06	5.05E-08	4.29E-07	9.26E-07	5.31E-08	4.61E-07	1.02E-06	6.18E-08	4.96E-07	1.15E-06	6.66E-08	5.22E-07	1.18E-06	5.48E-08	4.53E-07	9.93E-07
9,133	1.15E-07	9.36E-07	2.06E-06	8.95E-08	7.49E-07	1.65E-06	5.05E-08	4.29E-07	9.26E-07	5.31E-08	4.61E-07	1.02E-06	6.17E-08	4.96E-07	1.15E-06	6.64E-08	5.21E-07	1.18E-06	5.48E-08	4.53E-07	9.93E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,154	1.12E-07	9.18E-07	2.02E-06	8.83E-08	7.38E-07	1.62E-06	5.00E-08	4.25E-07	9.13E-07	5.23E-08	4.55E-07	9.97E-07	6.06E-08	4.90E-07	1.13E-06	6.54E-08	5.13E-07	1.16E-06	5.41E-08	4.44E-07	9.81E-07
9,155	1.12E-07	9.18E-07	2.02E-06	8.83E-08	7.38E-07	1.62E-06	5.00E-08	4.25E-07	9.12E-07	5.23E-08	4.54E-07	9.95E-07	6.06E-08	4.90E-07	1.13E-06	6.53E-08	5.13E-07	1.16E-06	5.41E-08	4.43E-07	9.81E-07
9,156	1.12E-07	9.17E-07	2.02E-06	8.82E-08	7.37E-07	1.62E-06	5.00E-08	4.24E-07	9.12E-07	5.23E-08	4.54E-07	9.94E-07	6.04E-08	4.89E-07	1.13E-06	6.53E-08	5.12E-07	1.16E-06	5.39E-08	4.43E-07	9.80E-07
9,157	1.12E-07	9.16E-07	2.02E-06	8.81E-08	7.34E-07	1.62E-06	5.00E-08	4.24E-07	9.12E-07	5.22E-08	4.54E-07	9.93E-07	6.04E-08	4.89E-07	1.13E-06	6.52E-08	5.12E-07	1.16E-06	5.38E-08	4.43E-07	9.80E-07
9,158	1.12E-07	9.16E-07	2.02E-06	8.81E-08	7.33E-07	1.61E-06	4.99E-08	4.24E-07	9.11E-07	5.22E-08	4.53E-07	9.93E-07	6.04E-08	4.89E-07	1.13E-06	6.52E-08	5.12E-07	1.16E-06	5.38E-08	4.43E-07	9.79E-07
9,159	1.12E-07	9.16E-07	2.02E-06	8.81E-08	7.33E-07	1.61E-06	4.98E-08	4.24E-07	9.11E-07	5.22E-08	4.53E-07	9.93E-07	6.02E-08	4.89E-07	1.13E-06	6.51E-08	5.11E-07	1.16E-06	5.38E-08	4.42E-07	9.79E-07
9,160	1.12E-07	9.16E-07	2.01E-06	8.80E-08	7.32E-07	1.61E-06	4.98E-08	4.24E-07	9.10E-07	5.22E-08	4.52E-07	9.92E-07	6.01E-08	4.89E-07	1.13E-06	6.51E-08	5.11E-07	1.16E-06	5.38E-08	4.42E-07	9.79E-07
9,161	1.12E-07	9.16E-07	2.01E-06	8.80E-08	7.32E-07	1.61E-06	4.97E-08	4.24E-07	9.08E-07	5.21E-08	4.52E-07	9.90E-07	6.00E-08	4.88E-07	1.13E-06	6.50E-08	5.11E-07	1.16E-06	5.38E-08	4.42E-07	9.79E-07
9,162	1.11E-07	9.15E-07	2.01E-06	8.79E-08	7.31E-07	1.61E-06	4.97E-08	4.23E-07	9.08E-07	5.21E-08	4.52E-07	9.90E-07	6.00E-08	4.88E-07	1.13E-06	6.50E-08	5.10E-07	1.16E-06	5.37E-08	4.42E-07	9.79E-07
9,163	1.11E-07	9.15E-07	2.01E-06	8.77E-08	7.31E-07	1.61E-06	4.96E-08	4.23E-07	9.08E-07	5.20E-08	4.51E-07	9.90E-07	6.00E-08	4.88E-07	1.13E-06	6.49E-08	5.10E-07	1.16E-06	5.36E-08	4.42E-07	9.79E-07
9,164	1.11E-07	9.15E-07	2.01E-06	8.77E-08	7.31E-07	1.61E-06	4.96E-08	4.22E-07	9.06E-07	5.19E-08	4.51E-07	9.90E-07	5.99E-08	4.88E-07	1.13E-06	6.49E-08	5.10E-07	1.15E-06	5.36E-08	4.42E-07	9.78E-07
9,165	1.11E-07	9.14E-07	2.01E-06	8.76E-08	7.30E-07	1.61E-06	4.95E-08	4.22E-07	9.05E-07	5.19E-08	4.50E-07	9.90E-07	5.99E-08	4.87E-07	1.12E-06	6.49E-08	5.10E-07	1.15E-06	5.36E-08	4.42E-07	9.77E-07
9,166	1.11E-07	9.13E-07	2.00E-06	8.76E-08	7.30E-07	1.61E-06	4.95E-08	4.22E-07	9.05E-07	5.19E-08	4.50E-07	9.90E-07	5.98E-08	4.86E-07	1.12E-06	6.49E-08	5.10E-07	1.15E-06	5.35E-08	4.42E-07	9.76E-07
9,167	1.11E-07	9.13E-07	2.00E-06	8.75E-08	7.29E-07	1.61E-06	4.94E-08	4.22E-07	9.04E-07	5.17E-08	4.50E-07	9.89E-07	5.98E-08	4.86E-07	1.12E-06	6.49E-08	5.09E-07	1.15E-06	5.34E-08	4.42E-07	9.76E-07
9,168	1.11E-07	9.12E-07	2.00E-06	8.75E-08	7.29E-07	1.61E-06	4.94E-08	4.22E-07	9.03E-07	5.17E-08	4.50E-07	9.89E-07	5.97E-08	4.85E-07	1.12E-06	6.48E-08	5.09E-07	1.15E-06	5.34E-08	4.41E-07	9.76E-07
9,169	1.11E-07	9.12E-07	2.00E-06	8.75E-08	7.29E-07	1.61E-06	4.93E-08	4.21E-07	9.03E-07	5.17E-08	4.49E-07	9.89E-07	5.97E-08	4.84E-07	1.12E-06	6.46E-08	5.09E-07	1.15E-06	5.33E-08	4.41E-07	9.75E-07
9,170	1.11E-07	9.11E-07	2.00E-06	8.74E-08	7.29E-07	1.60E-06	4.92E-08	4.21E-07	9.03E-07	5.16E-08	4.49E-07	9.88E-07	5.97E-08	4.84E-07	1.12E-06	6.46E-08	5.09E-07	1.15E-06	5.32E-08	4.41E-07	9.75E-07
9,171	1.11E-07	9.11E-07	2.00E-06	8.74E-08	7.28E-07	1.60E-06	4.92E-08	4.21E-07	9.01E-07	5.16E-08	4.49E-07	9.88E-07	5.96E-08	4.84E-07	1.12E-06	6.45E-08	5.08E-07	1.15E-06	5.32E-08	4.41E-07	9.75E-07
9,172	1.11E-07	9.11E-07	2.00E-06	8.72E-08	7.28E-07	1.60E-06	4.92E-08	4.20E-07	9.00E-07	5.16E-08	4.48E-07	9.86E-07	5.96E-08	4.84E-07	1.12E-06	6.44E-08	5.08E-07	1.15E-06	5.32E-08	4.41E-07	9.74E-07
9,173	1.11E-07	9.09E-07	2.00E-06	8.71E-08	7.26E-07	1.60E-06	4.92E-08	4.20E-07	8.97E-07	5.16E-08	4.48E-07	9.86E-07	5.96E-08	4.84E-07	1.12E-06	6.44E-08	5.08E-07	1.15E-06	5.32E-08	4.41E-07	9.73E-07
9,174	1.11E-07	9.09E-07	1.99E-06	8.70E-08	7.26E-07	1.60E-06	4.92E-08	4.20E-07	8.97E-07	5.15E-08	4.48E-07	9.86E-07	5.96E-08	4.83E-07	1.12E-06	6.44E-08	5.07E-07	1.15E-06	5.31E-08	4.41E-07	9.72E-07
9,175	1.10E-07	9.08E-07	1.99E-06	8.70E-08	7.25E-07	1.60E-06	4.91E-08	4.20E-07	8.97E-07	5.14E-08	4.48E-07	9.86E-07	5.96E-08	4.83E-07	1.12E-06	6.44E-08	5.05E-07	1.15E-06	5.30E-08	4.40E-07	9.70E-07
9,176	1.10E-07	9.08E-07	1.99E-06	8.70E-08	7.24E-07	1.60E-06	4.91E-08	4.19E-07	8.96E-07	5.13E-08	4.48E-07	9.84E-07	5.96E-08	4.83E-07	1.12E-06	6.44E-08	5.05E-07	1.15E-06	5.30E-08	4.40E-07	9.69E-07
9,177	1.10E-07	9.07E-07	1.99E-06	8.69E-08	7.24E-07	1.60E-06	4.91E-08	4.18E-07	8.96E-07	5.13E-08	4.48E-07	9.84E-07	5.96E-08	4.83E-07	1.12E-06	6.43E-08	5.05E-07	1.15E-06	5.30E-08	4.39E-07	9.69E-07
9,178	1.10E-07	9.06E-07	1.99E-06	8.68E-08	7.23E-07	1.60E-06	4.91E-08	4.17E-07	8.95E-07	5.13E-08	4.48E-07	9.83E-07	5.95E-08	4.83E-07	1.12E-06	6.43E-08	5.04E-07	1.15E-06	5.29E-08	4.39E-07	9.68E-07
9,179	1.10E-07	9.06E-07	1.99E-06	8.67E-08	7.23E-07	1.60E-06	4.91E-08	4.16E-07	8.95E-07	5.13E-08	4.47E-07	9.80E-07	5.95E-08	4.82E-07	1.12E-06	6.43E-08	5.04E-07	1.15E-06	5.29E-08	4.39E-07	9.67E-07
9,180	1.10E-07	9.05E-07	1.99E-06	8.66E-08	7.22E-07	1.59E-06	4.90E-08	4.16E-07	8.93E-07	5.12E-08	4.46E-07	9.79E-07	5.95E-08	4.82E-07	1.11E-06	6.42E-08	5.03E-07	1.15E-06	5.29E-08	4.39E-07	9.65E-07
9,181	1.10E-07	9.04E-07	1.98E-06	8.66E-08	7.22E-07	1.59E-06	4.90E-08	4.16E-07	8.92E-07	5.11E-08	4.46E-07	9.78E-07	5.94E-08	4.82E-07	1.11E-06	6.42E-08	5.03E-07	1.15E-06	5.29E-08	4.39E-07	9.65E-07
9,182	1.10E-07	9.01E-07	1.98E-06	8.65E-08	7.21E-07	1.59E-06	4.90E-08	4.16E-07	8.91E-07	5.11E-08	4.46E-07	9.78E-07	5.94E-08	4.81E-07	1.11E-06	6.42E-08	5.02E-07	1.15E-06	5.29E-08	4.38E-07	9.64E-07
9,183	1.10E-07	9.00E-07	1.98E-06	8.65E-08	7.21E-07	1.59E-06	4.89E-08	4.15E-07	8.91E-07	5.10E-08	4.46E-07	9.78E-07	5.93E-08	4.81E-07	1.11E-06	6.42E-08	5.02E-07	1.14E-06	5.28E-08	4.37E-07	9.64E-07
9,184	1.10E-07	8.99E-07	1.97E-06	8.65E-08	7.21E-07	1.59E-06	4.88E-08	4.14E-07	8.90E-07	5.10E-08	4.46E-07	9.76E-07	5.93E-08	4.80E-07	1.11E-06	6.42E-08	5.02E-07	1.14E-06	5.28E-08	4.37E-07	9.64E-07
9,185	1.10E-07	8.99E-07	1.97E-06	8.64E-08	7.20E-07	1.59E-06	4.88E-08	4.14E-07	8.90E-07	5.10E-08	4.46E-07	9.76E-07	5.93E-08	4.80E-07	1.11E-06	6.41E-08	5.02E-07	1.14E-06	5.27E-08	4.37E-07	9.64E-07
9,186	1.10E-07	8.99E-07	1.97E-06	8.64E-08	7.19E-07	1.59E-06	4.88E-08	4.14E-07	8.87E-07	5.10E-08	4.46E-07	9.75E-07	5.93E-08	4.80E-07	1.11E-06	6.40E-08	5.01E-07	1.14E-06	5.27E-08	4.36E-07	9.63E-07
9,187	1.09E-07	8.98E-07	1.97E-06	8.62E-08	7.19E-07	1.59E-06	4.87E-08	4.14E-07	8.86E-07	5.09E-08	4.45E-07	9.74E-07	5.93E-08	4.79E-07	1.11E-06	6.40E-08	5.01E-07	1.14E-06	5.26E-08	4.36E-07	9.60E-07
9,188	1.09E-07	8.96E-07	1.97E-06	8.59E-08	7.19E-07	1.59E-06	4.87E-08	4.14E-07	8.86E-07	5.09E-08	4.45E-07	9.74E-07	5.93E-08	4.79E-07	1.11E-06	6.39E-08	5.00E-07	1.14E-06	5.25E-08	4.36E-07	9.59E-07
9,189	1.09E-07	8.94E-07	1.97E-06	8.57E-08	7.19E-07	1.59E-06	4.87E-08	4.13E-07	8.86E-07	5.09E-08	4.45E-07	9.72E-07	5.93E-08	4.79E-07	1.11E-06	6.39E-08	5.00E-07	1.14E-06	5.25E-08	4.35E-07	9.59E-07
9,190	1.09E-07	8.94E-07	1.97E-06	8.57E-08	7.18E-07	1.59E-06	4.86E-08	4.13E-07	8.85E-07	5.09E-08	4.45E-07	9.71E-07	5.92E-08	4.79E-07	1.11E-06	6.39E-08	5.00E-07	1.14E-06	5.25E-08	4.35E-07	9.58E-07
9,191	1.09E-07	8.93E-07	1.97E-06	8.54E-08	7.18E-07	1.59E-06	4.86E-08	4.13E-07	8.85E-07	5.08E-08	4.44E-07	9.71E-07	5.92E-08	4.79E-07	1.11E-06	6.38E-08	5.00E-07	1.14E-06	5.24E-08	4.35E-07	9.57E-07
9,192	1.09E-07	8.93E-07	1.97E-06	8.52E-08	7.18E-07	1.59E-06	4.86E-08	4.13E-07	8.85E-07	5.08E-08	4.44E-07	9.70E-07	5.92E-08	4.79E-07	1.11E-06	6.38E-08	5.00E-07	1.14E-06	5.24E-08	4.35E-07	9.57E-07
9,193	1.09E-07	8.93E-07	1.97E-06	8.52E-08	7.17E-07	1.58E-06	4.85E-08	4.13E-07	8.84E-07	5.06E-08	4.44E-07	9.68E-07	5.92E-08	4.79E-07	1.11E-06	6.38E-08	5.00E-07	1.14E-06	5.24E-08	4.34E-07	9.57E-07
9,194	1.09E-07	8.92E-07	1.97E-06	8.47E-08	7.15E-07	1.58E-06	4.85E-08	4.13E-07	8.84E-07	5.05E-08	4.43E-07	9.67E-07	5.91E-08	4.78E-07	1.11E-06	6.37E-08	4.99E-07	1.13E-06	5.23E-08	4.34E-07	9.56E-07
9,195	1.09E-07	8.91E-07	1.97E-06	8.47E-08	7.15E-07	1.58E-06	4.85E-08	4.12E-07	8.82E-07	5.05E-08	4.43E-07	9.66E-07	5.91E-08	4.78E-07	1.10E-06	6.37E-08	4.99E-07	1.13E-06	5.23E-08	4.34E-07	9.54E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,216	1.07E-07	8.78E-07	1.93E-06	8.35E-08	7.00E-07	1.56E-06	4.80E-08	4.06E-07	8.67E-07	4.98E-08	4.38E-07	9.55E-07	5.79E-08	4.71E-07	1.08E-06	6.25E-08	4.91E-07	1.11E-06	5.15E-08	4.29E-07	9.43E-07
9,217	1.06E-07	8.77E-07	1.93E-06	8.35E-08	6.99E-07	1.56E-06	4.80E-08	4.06E-07	8.67E-07	4.98E-08	4.37E-07	9.54E-07	5.79E-08	4.71E-07	1.08E-06	6.25E-08	4.91E-07	1.11E-06	5.15E-08	4.29E-07	9.43E-07
9,218	1.06E-07	8.77E-07	1.93E-06	8.35E-08	6.98E-07	1.56E-06	4.79E-08	4.05E-07	8.67E-07	4.98E-08	4.37E-07	9.54E-07	5.78E-08	4.71E-07	1.08E-06	6.24E-08	4.90E-07	1.11E-06	5.14E-08	4.29E-07	9.42E-07
9,219	1.06E-07	8.77E-07	1.93E-06	8.35E-08	6.98E-07	1.55E-06	4.79E-08	4.05E-07	8.64E-07	4.97E-08	4.36E-07	9.54E-07	5.78E-08	4.71E-07	1.08E-06	6.24E-08	4.89E-07	1.11E-06	5.14E-08	4.28E-07	9.42E-07
9,220	1.06E-07	8.76E-07	1.93E-06	8.34E-08	6.97E-07	1.55E-06	4.78E-08	4.05E-07	8.64E-07	4.97E-08	4.36E-07	9.53E-07	5.77E-08	4.71E-07	1.08E-06	6.24E-08	4.88E-07	1.11E-06	5.14E-08	4.28E-07	9.41E-07
9,221	1.06E-07	8.75E-07	1.93E-06	8.34E-08	6.97E-07	1.55E-06	4.78E-08	4.05E-07	8.62E-07	4.97E-08	4.36E-07	9.53E-07	5.77E-08	4.71E-07	1.08E-06	6.23E-08	4.87E-07	1.11E-06	5.14E-08	4.28E-07	9.40E-07
9,222	1.06E-07	8.74E-07	1.93E-06	8.33E-08	6.97E-07	1.55E-06	4.78E-08	4.05E-07	8.62E-07	4.97E-08	4.35E-07	9.52E-07	5.76E-08	4.70E-07	1.07E-06	6.23E-08	4.87E-07	1.11E-06	5.13E-08	4.28E-07	9.40E-07
9,223	1.06E-07	8.73E-07	1.92E-06	8.33E-08	6.96E-07	1.55E-06	4.78E-08	4.04E-07	8.61E-07	4.97E-08	4.35E-07	9.52E-07	5.76E-08	4.70E-07	1.07E-06	6.23E-08	4.87E-07	1.10E-06	5.13E-08	4.28E-07	9.40E-07
9,224	1.06E-07	8.72E-07	1.92E-06	8.32E-08	6.95E-07	1.55E-06	4.77E-08	4.04E-07	8.61E-07	4.97E-08	4.35E-07	9.51E-07	5.75E-08	4.70E-07	1.07E-06	6.21E-08	4.86E-07	1.10E-06	5.13E-08	4.28E-07	9.40E-07
9,225	1.06E-07	8.72E-07	1.92E-06	8.31E-08	6.95E-07	1.55E-06	4.77E-08	4.04E-07	8.60E-07	4.96E-08	4.34E-07	9.50E-07	5.74E-08	4.69E-07	1.07E-06	6.20E-08	4.86E-07	1.10E-06	5.12E-08	4.27E-07	9.39E-07
9,226	1.06E-07	8.71E-07	1.92E-06	8.30E-08	6.95E-07	1.55E-06	4.77E-08	4.04E-07	8.60E-07	4.96E-08	4.34E-07	9.50E-07	5.73E-08	4.69E-07	1.07E-06	6.19E-08	4.86E-07	1.09E-06	5.12E-08	4.26E-07	9.38E-07
9,227	1.05E-07	8.71E-07	1.92E-06	8.29E-08	6.95E-07	1.55E-06	4.77E-08	4.04E-07	8.59E-07	4.95E-08	4.34E-07	9.50E-07	5.73E-08	4.69E-07	1.07E-06	6.18E-08	4.85E-07	1.09E-06	5.12E-08	4.26E-07	9.37E-07
9,228	1.05E-07	8.70E-07	1.92E-06	8.26E-08	6.94E-07	1.54E-06	4.77E-08	4.04E-07	8.59E-07	4.95E-08	4.34E-07	9.49E-07	5.72E-08	4.69E-07	1.07E-06	6.17E-08	4.85E-07	1.09E-06	5.12E-08	4.25E-07	9.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,278	1.02E-07	8.42E-07	1.85E-06	7.97E-08	6.64E-07	1.47E-06	4.61E-08	3.89E-07	8.29E-07	4.74E-08	4.17E-07	9.16E-07	5.49E-08	4.54E-07	1.02E-06	5.90E-08	4.68E-07	1.05E-06	4.86E-08	4.08E-07	8.94E-07
9,279	1.02E-07	8.42E-07	1.85E-06	7.97E-08	6.64E-07	1.47E-06	4.61E-08	3.88E-07	8.27E-07	4.73E-08	4.16E-07	9.15E-07	5.49E-08	4.54E-07	1.02E-06	5.90E-08	4.66E-07	1.05E-06	4.85E-08	4.08E-07	8.91E-07
9,280	1.02E-07	8.42E-07	1.84E-06	7.95E-08	6.64E-07	1.46E-06	4.60E-08	3.88E-07	8.26E-07	4.73E-08	4.16E-07	9.14E-07	5.48E-08	4.54E-07	1.02E-06	5.90E-08	4.65E-07	1.05E-06	4.84E-08	4.08E-07	8.91E-07
9,281	1.01E-07	8.41E-07	1.84E-06	7.95E-08	6.63E-07	1.46E-06	4.60E-08	3.87E-07	8.25E-07	4.73E-08	4.16E-07	9.14E-07	5.48E-08	4.53E-07	1.02E-06	5.89E-08	4.65E-07	1.05E-06	4.84E-08	4.08E-07	8.89E-07
9,282	1.01E-07	8.40E-07	1.84E-06	7.94E-08	6.62E-07	1.46E-06	4.60E-08	3.86E-07	8.25E-07	4.73E-08	4.16E-07	9.14E-07	5.47E-08	4.53E-07	1.02E-06	5.89E-08	4.65E-07	1.05E-06	4.84E-08	4.08E-07	8.89E-07
9,283	1.01E-07	8.39E-07	1.84E-06	7.94E-08	6.61E-07	1.46E-06	4.59E-08	3.86E-07	8.25E-07	4.73E-08	4.15E-07	9.13E-07	5.46E-08	4.53E-07	1.02E-06	5.89E-08	4.64E-07	1.05E-06	4.84E-08	4.07E-07	8.88E-07
9,284	1.01E-07	8.38E-07	1.84E-06	7.93E-08	6.61E-07	1.46E-06	4.59E-08	3.86E-07	8.25E-07	4.73E-08	4.15E-07	9.13E-07	5.46E-08	4.53E-07	1.02E-06	5.89E-08	4.64E-07	1.05E-06	4.83E-08	4.07E-07	8.88E-07
9,285	1.01E-07	8.37E-07	1.84E-06	7.93E-08	6.57E-07	1.46E-06	4.59E-08	3.86E-07	8.24E-07	4.72E-08	4.15E-07	9.12E-07	5.45E-08	4.53E-07	1.02E-06	5.87E-08	4.63E-07	1.05E-06	4.83E-08	4.06E-07	8.87E-07
9,286	1.01E-07	8.37E-07	1.83E-06	7.92E-08	6.57E-07	1.46E-06	4.58E-08	3.86E-07	8.23E-07	4.72E-08	4.15E-07	9.12E-07	5.45E-08	4.52E-07	1.01E-06	5.86E-08	4.63E-07	1.05E-06	4.83E-08	4.06E-07	8.86E-07
9,287	1.00E-07	8.37E-07	1.83E-06	7.91E-08	6.56E-07	1.46E-06	4.58E-08	3.85E-07	8.22E-07	4.72E-08	4.13E-07	9.11E-07	5.45E-08	4.51E-07	1.01E-06	5.86E-08	4.62E-07	1.04E-06	4.83E-08	4.05E-07	8.86E-07
9,288	1.00E-07	8.37E-07	1.83E-06	7.91E-08	6.55E-07	1.46E-06	4.57E-08	3.85E-07	8.22E-07	4.71E-08	4.13E-07	9.10E-07	5.45E-08	4.51E-07	1.01E-06	5.85E-08	4.62E-07	1.04E-06	4.82E-08	4.05E-07	8.85E-07
9,289	1.00E-07	8.36E-07	1.83E-06	7.90E-08	6.55E-07	1.46E-06	4.57E-08	3.85E-07	8.21E-07	4.71E-08	4.13E-07	9.10E-07	5.45E-08	4.51E-07	1.01E-06	5.83E-08	4.61E-07	1.04E-06	4.81E-08	4.04E-07	8.85E-07
9,290	1.00E-07	8.35E-07	1.83E-06	7.89E-08	6.55E-07	1.46E-06	4.56E-08	3.85E-07	8.21E-07	4.71E-08	4.13E-07	9.10E-07	5.45E-08	4.50E-07	1.01E-06	5.83E-08	4.59E-07	1.04E-06	4.81E-08	4.04E-07	8.

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,340	9.41E-08	8.00E-07	1.75E-06	7.57E-08	6.26E-07	1.39E-06	4.39E-08	3.70E-07	7.98E-07	4.46E-08	3.97E-07	8.75E-07	5.21E-08	4.33E-07	9.75E-07	5.56E-08	4.42E-07	1.00E-06	4.60E-08	3.90E-07	8.53E-07
9,341	9.41E-08	7.99E-07	1.75E-06	7.56E-08	6.25E-07	1.38E-06	4.38E-08	3.70E-07	7.95E-07	4.46E-08	3.96E-07	8.74E-07	5.21E-08	4.31E-07	9.74E-07	5.56E-08	4.41E-07	1.00E-06	4.60E-08	3.90E-07	8.53E-07
9,342	9.39E-08	7.98E-07	1.75E-06	7.56E-08	6.25E-07	1.38E-06	4.37E-08	3.69E-07	7.95E-07	4.45E-08	3.95E-07	8.73E-07	5.21E-08	4.31E-07	9.73E-07	5.56E-08	4.41E-07	1.00E-06	4.59E-08	3.90E-07	8.51E-07
9,343	9.38E-08	7.98E-07	1.75E-06	7.55E-08	6.24E-07	1.38E-06	4.37E-08	3.68E-07	7.95E-07	4.45E-08	3.95E-07	8.72E-07	5.20E-08	4.31E-07	9.73E-07	5.55E-08	4.41E-07	1.00E-06	4.58E-08	3.90E-07	8.51E-07
9,344	9.37E-08	7.96E-07	1.74E-06	7.55E-08	6.23E-07	1.38E-06	4.37E-08	3.68E-07	7.95E-07	4.45E-08	3.95E-07	8.71E-07	5.20E-08	4.30E-07	9.72E-07	5.54E-08	4.40E-07	1.00E-06	4.58E-08	3.90E-07	8.51E-07
9,345	9.37E-08	7.95E-07	1.74E-06	7.55E-08	6.22E-07	1.38E-06	4.36E-08	3.67E-07	7.95E-07	4.45E-08	3.93E-07	8.70E-07	5.20E-08	4.30E-07	9.72E-07	5.54E-08	4.40E-07	1.00E-06	4.58E-08	3.90E-07	8.51E-07
9,346	9.37E-08	7.95E-07	1.74E-06	7.54E-08	6.21E-07	1.38E-06	4.35E-08	3.67E-07	7.94E-07	4.44E-08	3.93E-07	8.69E-07	5.20E-08	4.29E-07	9.71E-07	5.54E-08	4.39E-07	1.00E-06	4.57E-08	3.90E-07	8.51E-07
9,347	9.36E-08	7.95E-07	1.74E-06	7.53E-08	6.21E-07	1.38E-06	4.35E-08	3.67E-07	7.94E-07	4.44E-08	3.92E-07	8.68E-07	5.19E-08	4.29E-07	9.71E-07	5.54E-08	4.39E-07	9.99E-07	4.57E-08	3.90E-07	8.51E-07
9,348	9.36E-08	7.94E-07	1.74E-06	7.52E-08	6.21E-07	1.38E-06	4.34E-08	3.67E-07	7.94E-07	4.44E-08	3.92E-07	8.67E-07	5.18E-08	4.28E-07	9.71E-07	5.54E-08	4.39E-07	9.99E-07	4.56E-08	3.88E-07	8.49E-07
9,349	9.36E-08	7.94E-07	1.74E-06	7.52E-08	6.20E-07	1.38E-06	4.34E-08	3.66E-07	7.93E-07	4.43E-08	3.90E-07	8.65E-07	5.18E-08	4.28E-07	9.71E-07	5.54E-08	4.39E-07	9.98E-07	4.56E-08	3.87E-07	8.49E-07
9,350	9.36E-08	7.92E-07	1.73E-06	7.50E-08	6.18E-07	1.37E-06	4.34E-08	3.66E-07	7.93E-07	4.43E-08	3.89E-07	8.65E-07	5.18E-08	4.28E-07	9.68E-07	5.54E-08	4.38E-07	9.97E-07	4.56E-08	3.87E-07	8.49E-07
9,351	9.35E-08	7.92E-07	1.73E-06	7.50E-08	6.16E-07	1.37E-06	4.32E-08	3.65E-07	7.92E-07	4.43E-08	3.89E-07	8.64E-07	5.18E-08	4.27E-07	9.65E-07	5.53E-08	4.38E-07	9.96E-07	4.56E-08	3.86E-07	8.48E-07
9,352	9.35E-08	7.92E-07	1.72E-06	7.50E-08	6.14E-07	1.37E-06	4.31E-08	3.65E-07	7.92E-07	4.43E-08	3.87E-07	8.63E-07	5.17E-08	4.26E-07	9.64E-07	5.53E-08	4.38E-07	9.95E-07	4.55E-08	3.85E-07	8.47E-07
9,353	9.34E-08	7.90E-07	1.72E-06	7.48E-08	6.14E-07	1.37E-06	4.30E-08	3.65E-07	7.92E-07	4.43E-08	3.86E-07	8.61E-07	5.15E-08	4.26E-07	9.64E-07	5.53E-08	4.38E-07	9.94E-07	4.55E-08	3.85E-07	8.47E-07
9,354	9.33E-08	7.89E-07	1.72E-06	7.47E-08	6.14E-07	1.37E-06	4.30E-08	3.65E-07	7.91E-07	4.42E-08	3.86E-07	8.59E-07	5.14E-08	4.26E-07	9.63E-07	5.52E-08	4.38E-07	9.94E-07	4.55E-08	3.85E-07	8.47E-07
9,355	9.30E-08	7.89E-07	1.72E-06	7.46E-08	6.12E-07	1.36E-06	4.30E-08	3.65E-07	7.90E-07	4.42E-08	3.86E-07	8.59E-07	5.14E-08	4.26E-07	9.62E-07	5.52E-08	4.38E-07	9.94E-07	4.54E-08	3.85E-07	8.47E-07
9,356	9.29E-08	7.89E-07	1.72E-06	7.46E-08	6.11E-07	1.36E-06	4.29E-08	3.65E-07	7.90E-07	4.42E-08	3.86E-07	8.59E-07	5.14E-08	4.26E-07	9.62E-07	5.51E-08	4.37E-07	9.93E-07	4.53E-08	3.85E-07	8.47E-07
9,357	9.28E-08	7.89E-07	1.72E-06	7.44E-08	6.08E-07	1.36E-06	4.29E-08	3.65E-07	7.88E-07	4.42E-08	3.86E-07	8.58E-07	5.13E-08	4.26E-07	9.60E-07	5.51E-08	4.37E-07	9.92E-07	4.53E-08	3.85E-07	8.46E-07
9,358	9.27E-08	7.88E-07	1.72E-06	7.44E-08	6.08E-07	1.36E-06	4.28E-08	3.65E-07	7.88E-07	4.42E-08	3.86E-07	8.58E-07	5.12E-08	4.25E-07	9.60E-07	5.51E-08	4.37E-07	9.91E-07	4.53E-08	3.85E-07	8.46E-07
9,359	9.27E-08	7.88E-07	1.72E-06	7.41E-08	6.07E-07	1.36E-06	4.27E-08	3.64E-07	7.87E-07	4.42E-08	3.85E-07	8.58E-07	5.12E-08	4.24E-07	9.60E-07	5.50E-08	4.36E-07	9.90E-07	4.52E-08	3.84E-07	8.46E-07
9,360	9.26E-08	7.84E-07	1.72E-06	7.40E-08	6.06E-07	1.36E-06	4.27E-08	3.64E-07	7.86E-07	4.41E-08	3.85E-07	8.58E-07	5.12E-08	4.24E-07	9.59E-07	5.48E-08	4.36E-07	9.90E-07	4.51E-08	3.84E-07	8.45E-07
9,361	9.26E-08	7.84E-07	1.72E-06	7.38E-08	6.05E-07	1.36E-06	4.26E-08	3.64E-07	7.86E-07	4.40E-08	3.85E-07	8.57E-07	5.12E-08	4.24E-07	9.59E-07	5.47E-08	4.35E-07	9.90E-07	4.50E-08	3.84E-07	8.44E-07
9,362	9.25E-08	7.83E-07	1.71E-06	7.38E-08	6.04E-07	1.36E-06	4.26E-08	3.64E-07	7.85E-07	4.40E-08	3.85E-07	8.56E-07	5.10E-08	4.24E-07	9.57E-07	5.47E-08	4.35E-07	9.89E-07	4.49E-08	3.84E-07	8.43E-07
9,363	9.25E-08	7.83E-07	1.71E-06	7.38E-08	6.04E-07	1.36E-06	4.26E-08	3.63E-07	7.85E-07	4.40E-08	3.85E-07	8.54E-07	5.10E-08	4.24E-07	9.53E-07	5.47E-08	4.35E-07	9.89E-07	4.49E-08	3.83E-07	8.43E-07
9,364	9.25E-08	7.81E-07	1.71E-06	7.38E-08	6.04E-07	1.36E-06	4.25E-08	3.63E-07	7.85E-07	4.40E-08	3.84E-07	8.53E-07	5.10E-08	4.23E-07	9.53E-07	5.47E-08	4.34E-07	9.87E-07	4.49E-08	3.83E-07	8.43E-07
9,365	9.25E-08	7.79E-07	1.71E-06	7.37E-08	6.03E-07	1.35E-06	4.25E-08	3.63E-07	7.83E-07	4.39E-08	3.84E-07	8.51E-07	5.10E-08	4.23E-07	9.53E-07	5.47E-08	4.34E-07	9.87E-07	4.48E-08	3.82E-07	8.42E-07
9,366	9.24E-08	7.79E-07	1.71E-06	7.37E-08	6.02E-07	1.35E-06	4.25E-08	3.63E-07	7.83E-07	4.39E-08	3.84E-07	8.51E-07	5.09E-08	4.22E-07	9.51E-07	5.46E-08	4.34E-07	9.84E-07	4.48E-08	3.82E-07	8.42E-07
9,367	9.24E-08	7.79E-07	1.71E-06	7.34E-08	6.02E-07	1.35E-06	4.25E-08	3.63E-07	7.82E-07	4.39E-08	3.84E-07	8.51E-07	5.09E-08	4.22E-07	9.51E-07	5.45E-08	4.34E-07	9.83E-07	4.48E-08	3.81E-07	8.41E-07
9,368	9.24E-08	7.78E-07	1.71E-06	7.34E-08	6.02E-07	1.35E-06	4.24E-08	3.62E-07	7.81E-07	4.39E-08	3.83E-07	8.50E-07	5.09E-08	4.22E-07	9.48E-07	5.45E-08	4.33E-07	9.83E-07	4.48E-08	3.81E-07	8.40E-07
9,369	9.23E-08	7.78E-07	1.71E-06	7.34E-08	6.01E-07	1.35E-06	4.24E-08	3.62E-07	7.81E-07	4.38E-08	3.83E-07	8.50E-07	5.08E-08	4.21E-07	9.47E-07	5.44E-08	4.33E-07	9.81E-07	4.47E-08	3.80E-07	8.40E-07
9,370	9.23E-08	7.77E-07	1.70E-06	7.33E-08	6.00E-07	1.35E-06	4.24E-08	3.61E-07	7.81E-07	4.37E-08	3.82E-07	8.49E-07	5.08E-08	4.21E-07	9.46E-07	5.44E-08	4.33E-07	9.81E-07	4.47E-08	3.80E-07	8.38E-07
9,371	9.22E-08	7.77E-07	1.70E-06	7.33E-08	6.00E-07	1.35E-06	4.24E-08	3.61E-07	7.81E-07	4.37E-08	3.82E-07	8.48E-07	5.08E-08	4.21E-07	9.44E-07	5.44E-08	4.32E-07	9.81E-07	4.46E-08	3.80E-07	8.38E-07
9,372	9.22E-08	7.76E-07	1.70E-06	7.33E-08	6.00E-07	1.35E-06	4.23E-08	3.60E-07	7.81E-07	4.37E-08	3.81E-07	8.48E-07	5.07E-08	4.20E-07	9.44E-07	5.43E-08	4.31E-07	9.75E-07	4.46E-08	3.80E-07	8.38E-07
9,373	9.22E-08	7.76E-07	1.70E-06	7.30E-08	5.99E-07	1.35E-06	4.23E-08	3.60E-07	7.81E-07	4.36E-08	3.81E-07	8.47E-07	5.06E-08	4.19E-07	9.43E-07	5.42E-08	4.30E-07	9.75E-07	4.45E-08	3.80E-07	8.36E-07
9,374	9.21E-08	7.76E-07	1.70E-06	7.30E-08	5.99E-07	1.35E-06	4.22E-08	3.60E-07	7.79E-07	4.36E-08	3.81E-07	8.47E-07	5.06E-08	4.19E-07	9.42E-07	5.42E-08	4.28E-07	9.74E-07	4.45E-08	3.79E-07	8.36E-07
9,375	9.21E-08	7.75E-07	1.70E-06	7.29E-08	5.99E-07	1.35E-06	4.22E-08	3.59E-07	7.79E-07	4.36E-08	3.81E-07	8.45E-07	5.06E-08	4.19E-07	9.42E-07	5.40E-08	4.27E-07	9.74E-07	4.44E-08	3.79E-07	8.35E-07
9,376	9.20E-08	7.74E-07	1.70E-06	7.28E-08	5.98E-07	1.34E-06	4.21E-08	3.59E-07	7.78E-07	4.36E-08	3.81E-07	8.45E-07	5.06E-08	4.19E-07	9.42E-07	5.39E-08	4.26E-07	9.73E-07	4.44E-08	3.79E-07	8.32E-07
9,377	9.19E-08	7.72E-07	1.70E-06	7.28E-08	5.98E-07	1.34E-06	4.21E-08	3.59E-07	7.78E-07	4.36E-08	3.81E-07	8.44E-07	5.05E-08	4.18E-07	9.41E-07	5.39E-08	4.26E-07	9.73E-07	4.44E-08	3.79E-07	8.31E-07
9,378	9.19E-08	7.72E-07	1.69E-06	7.28E-08	5.97E-07	1.34E-06	4.20E-08	3.59E-07	7.78E-07	4.35E-08	3.80E-07	8.44E-07	5.05E-08	4.17E-07	9.38E-07	5.39E-08	4.26E-07	9.70E-07	4.43E-08	3.79E-07	8.30E-07
9,379	9.18E-08	7.72E-07	1.69E-06	7.27E-08	5.94E-07	1.34E-06	4.20E-08	3.58E-07	7.78E-07	4.35E-08	3.80E-07	8.43E-07	5.04E-08	4.16E-07	9.37E-07	5.38E-08	4.25E-07	9.69E-07	4.43E-08	3.79E-07	8.29E-07
9,380	9.17E-08	7.71E-07	1.69E-06	7.26E-08	5.94E-07	1.34E-06	4.20E-08	3.58E-07	7.77E-07	4.35E-08	3.80E-07	8.42E-07	5.04E-08	4.15E-07	9.37E-07	5.38E-08	4.25E-07	9.68E-07	4.42E-08	3.79E-07	8.28E-07
9,381	9.16E-08	7.71E-07	1.69E-06	7.25E-08	5.94E-07	1.34E-06	4.20E-08	3.57E-07	7.77E-07	4.35E-08	3.80E-07	8.39E-07	5.03E-08	4.15E-07	9.35E-07	5.38E-08	4.25E-07	9.68E-07	4.42E-08	3.78E-07	8.28E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,402	9.00E-08	7.51E-07	1.66E-06	7.09E-08	5.77E-07	1.31E-06	4.13E-08	3.52E-07	7.59E-07	4.27E-08	3.76E-07	8.17E-07	4.93E-08	4.07E-07	9.20E-07	5.26E-08	4.18E-07	9.48E-07	4.37E-08	3.68E-07	8.15E-07
9,403	8.99E-08	7.51E-07	1.66E-06	7.08E-08	5.76E-07	1.31E-06	4.11E-08	3.51E-07	7.59E-07	4.27E-08	3.76E-07	8.17E-07	4.93E-08	4.07E-07	9.20E-07	5.25E-08	4.18E-07	9.48E-07	4.37E-08	3.68E-07	8.15E-07
9,404	8.98E-08	7.50E-07	1.66E-06	7.07E-08	5.73E-07	1.31E-06	4.11E-08	3.51E-07	7.58E-07	4.27E-08	3.75E-07	8.17E-07	4.93E-08	4.07E-07	9.20E-07	5.25E-08	4.18E-07	9.48E-07	4.37E-08	3.68E-07	8.14E-07
9,405	8.98E-08	7.50E-07	1.66E-06	7.07E-08	5.73E-07	1.30E-06	4.10E-08	3.51E-07	7.57E-07	4.26E-08	3.75E-07	8.15E-07	4.92E-08	4.07E-07	9.19E-07	5.25E-08	4.17E-07	9.46E-07	4.36E-08	3.67E-07	8.14E-07
9,406	8.98E-08	7.49E-07	1.66E-06	7.05E-08	5.73E-07	1.30E-06	4.10E-08	3.51E-07	7.57E-07	4.26E-08	3.75E-07	8.15E-07	4.92E-08	4.06E-07	9.19E-07	5.24E-08	4.17E-07	9.44E-07	4.35E-08	3.67E-07	8.14E-07
9,407	8.97E-08	7.48E-07	1.66E-06	7.05E-08	5.73E-07	1.30E-06	4.10E-08	3.51E-07	7.56E-07	4.26E-08	3.74E-07	8.14E-07	4.91E-08	4.06E-07	9.18E-07	5.24E-08	4.16E-07	9.42E-07	4.35E-08	3.67E-07	8.13E-07
9,408	8.95E-08	7.47E-07	1.65E-06	7.05E-08	5.73E-07	1.30E-06	4.09E-08	3.51E-07	7.56E-07	4.26E-08	3.74E-07	8.14E-07	4.91E-08	4.05E-07	9.18E-07	5.24E-08	4.15E-07	9.42E-07	4.34E-08	3.67E-07	8.13E-07
9,409	8.94E-08	7.46E-07	1.64E-06	7.05E-08	5.72E-07	1.30E-06	4.09E-08	3.51E-07	7.56E-07	4.26E-08	3.74E-07	8.13E-07	4.91E-08	4.04E-07	9.17E-07	5.24E-08	4.15E-07	9.42E-07	4.34E-08	3.66E-07	8.13E-07
9,410	8.94E-08	7.46E-07	1.64E-06	7.04E-08	5.72E-07	1.30E-06	4.09E-08	3.51E-07	7.55E-07	4.25E-08	3.74E-07	8.13E-07	4.90E-08	4.03E-07	9.15E-07	5.24E-08	4.15E-07	9.40E-07	4.34E-08	3.66E-07	8.12E-07
9,411	8.93E-08	7.44E-07	1.64E-06	7.04E-08	5.71E-07	1.30E-06	4.09E-08	3.51E-07	7.54E-07	4.25E-08	3.73E-07	8.12E-07	4.90E-08	4.02E-07	9.14E-07	5.23E-08	4.14E-07	9.40E-07	4.34E-08	3.66E-07	8.11E-07
9,412	8.93E-08	7.43E-07	1.64E-06	7.04E-08	5.71E-07	1.29E-06	4.09E-08	3.50E-07	7.54E-07	4.25E-08	3.73E-07	8.11E-07	4.89E-08	4.02E-07	9.11E-07	5.22E-08	4.14E-07	9.40E-07	4.33E-08	3.66E-07	8.11E-07
9,413	8.91E-08	7.43E-07	1.63E-06	7.03E-08	5.71E-07	1.29E-06	4.08E-08	3.50E-07	7.54E-07	4.25E-08	3.73E-07	8.10E-07	4.89E-08	4.01E-07	9.10E-07	5.22E-08	4.14E-07	9.39E-07	4.33E-08	3.66E-07	8.11E-07
9,414	8.90E-08	7.43E-07	1.63E-06	7.03E-08	5.71E-07	1.29E-06	4.08E-08	3.50E-07	7.54E-07	4.24E-08	3.73E-07	8.08E-07	4.89E-08	4.01E-07	9.09E-07	5.22E-08	4.14E-07	9.39E-07	4.32E-08	3.65E-07	8.10E-07
9,415	8.89E-08	7.43E-07	1.63E-06	7.02E-08	5.70E-07	1.29E-06	4.08E-08	3.50E-07	7.54E-07	4.24E-08	3.72E-07	8.08E-07	4.88E-08	4.01E-07	9.08E-07	5.21E-08	4.14E-07	9.38E-07	4.32E-08	3.65E-07	8.09E-07
9,416	8.87E-08	7.42E-07	1.63E-06	7.01E-08	5.69E-07	1.29E-06	4.08E-08	3.49E-07	7.53E-07	4.23E-08	3.72E-07	8.07E-07	4.88E-08	4.01E-07	9.06E-07	5.20E-08	4.14E-07	9.38E-07	4.30E-08	3.65E-07	8.09E-07
9,417	8.85E-08	7.39E-07	1.63E-06	7.00E-08	5.67E-07	1.28E-06	4.07E-08	3.49E-07	7.52E-07	4.23E-08	3.72E-07	8.06E-07	4.86E-08	4.01E-07	9.05E-07	5.20E-08	4.14E-07	9.38E-07	4.30E-08	3.65E-07	8.09E-07
9,418	8.83E-08	7.39E-07	1.63E-06	7.00E-08	5.66E-07	1.28E-06	4.07E-08	3.49E-07	7.52E-07	4.22E-08	3.72E-07	8.05E-07	4.86E-08	4.01E-07	9.03E-07	5.20E-08	4.13E-07	9.38E-07	4.29E-08	3.65E-07	8.08E-07
9,419	8.83E-08	7.38E-07	1.63E-06	6.99E-08	5.66E-07	1.28E-06	4.06E-08	3.49E-07	7.51E-07	4.22E-08	3.71E-07	8.05E-07	4.86E-08	4.01E-07	9.03E-07	5.18E-08	4.13E-07	9.37E-07	4.29E-08	3.64E-07	8.07E-07
9,420	8.83E-08	7.38E-07	1.62E-06	6.99E-08	5.66E-07	1.28E-06	4.06E-08	3.49E-07	7.51E-07	4.22E-08	3.71E-07	8.05E-07	4.85E-08	4.00E-07	9.00E-07	5.18E-08	4.13E-07	9.37E-07	4.29E-08	3.64E-07	8.06E-07
9,421	8.82E-08	7.36E-07	1.62E-06	6.98E-08	5.64E-07	1.28E-06	4.06E-08	3.48E-07	7.50E-07	4.22E-08	3.70E-07	8.04E-07	4.85E-08	4.00E-07	8.99E-07	5.18E-08	4.12E-07	9.36E-07	4.29E-08	3.64E-07	8.06E-07
9,422	8.82E-08	7.35E-07	1.62E-06	6.98E-08	5.64E-07	1.28E-06	4.06E-08	3.48E-07	7.48E-07	4.21E-08	3.70E-07	8.03E-07	4.84E-08	4.00E-07	8.97E-07	5.18E-08	4.12E-07	9.35E-07	4.29E-08	3.64E-07	8.05E-07
9,423	8.81E-08	7.35E-07	1.61E-06	6.97E-08	5.60E-07	1.28E-06	4.05E-08	3.48E-07	7.48E-07	4.21E-08	3.70E-07	8.03E-07	4.84E-08	3.99E-07	8.97E-07	5.17E-08	4.12E-07	9.35E-07	4.28E-08	3.64E-07	8.04E-07
9,424	8.81E-08	7.34E-07	1.61E-06	6.96E-08	5.60E-07	1.28E-06	4.05E-08	3.48E-07	7.48E-07	4.21E-08	3.70E-07	8.03E-07	4.84E-08	3.99E-07	8.97E-07	5.17E-08	4.12E-07	9.33E-07	4.28E-08	3.63E-07	8.04E-07
9,425	8.80E-08	7.33E-07	1.61E-06	6.96E-08	5.60E-07	1.28E-06	4.05E-08	3.47E-07	7.47E-07	4.21E-08	3.70E-07	8.03E-07	4.84E-08	3.98E-07	8.96E-07	5.16E-08	4.11E-07	9.33E-07	4.28E-08	3.63E-07	8.03E-07
9,426	8.80E-08	7.33E-07	1.61E-06	6.96E-08	5.60E-07	1.27E-06	4.04E-08	3.47E-07	7.45E-07	4.20E-08	3.70E-07	8.02E-07	4.83E-08	3.97E-07	8.95E-07	5.15E-08	4.11E-07	9.32E-07	4.27E-08	3.62E-07	8.02E-07
9,427	8.80E-08	7.31E-07	1.61E-06	6.96E-08	5.60E-07	1.27E-06	4.04E-08	3.47E-07	7.44E-07	4.20E-08	3.70E-07	8.02E-07	4.83E-08	3.96E-07	8.95E-07	5.14E-08	4.10E-07	9.32E-07	4.27E-08	3.62E-07	8.02E-07
9,428	8.79E-08	7.31E-07	1.61E-06	6.95E-08	5.57E-07	1.27E-06	4.04E-08	3.46E-07	7.44E-07	4.19E-08	3.70E-07	8.01E-07	4.81E-08	3.96E-07	8.94E-07	5.13E-08	4.10E-07	9.31E-07	4.26E-08	3.62E-07	8.02E-07
9,429	8.78E-08	7.31E-07	1.61E-06	6.94E-08	5.57E-07	1.27E-06	4.04E-08	3.46E-07	7.43E-07	4.18E-08	3.69E-07	8.01E-07	4.81E-08	3.95E-07	8.93E-07	5.13E-08	4.08E-07	9.30E-07	4.26E-08	3.62E-07	8.02E-07
9,430	8.78E-08	7.30E-07	1.60E-06	6.94E-08	5.56E-07	1.27E-06	4.04E-08	3.46E-07	7.43E-07	4.18E-08	3.69E-07	8.00E-07	4.79E-08	3.95E-07	8.91E-07	5.13E-08	4.08E-07	9.29E-07	4.25E-08	3.61E-07	8.01E-07
9,431	8.77E-08	7.30E-07	1.60E-06	6.94E-08	5.56E-07	1.27E-06	4.03E-08	3.46E-07	7.42E-07	4.17E-08	3.69E-07	8.00E-07	4.78E-08	3.95E-07	8.91E-07	5.13E-08	4.08E-07	9.28E-07	4.24E-08	3.60E-07	7.99E-07
9,432	8.77E-08	7.30E-07	1.60E-06	6.94E-08	5.55E-07	1.27E-06	4.03E-08	3.45E-07	7.40E-07	4.17E-08	3.69E-07	7.98E-07	4.78E-08	3.94E-07	8.90E-07	5.12E-08	4.08E-07	9.26E-07	4.24E-08	3.59E-07	7.99E-07
9,433	8.74E-08	7.28E-07	1.60E-06	6.91E-08	5.55E-07	1.27E-06	4.03E-08	3.45E-07	7.38E-07	4.16E-08	3.69E-07	7.98E-07	4.77E-08	3.94E-07	8.88E-07	5.12E-08	4.08E-07	9.26E-07	4.24E-08	3.59E-07	7.98E-07
9,434	8.74E-08	7.27E-07	1.60E-06	6.90E-08	5.55E-07	1.27E-06	4.02E-08	3.45E-07	7.38E-07	4.15E-08	3.69E-07	7.97E-07	4.77E-08	3.93E-07	8.87E-07	5.12E-08	4.08E-07	9.26E-07	4.24E-08	3.59E-07	7.98E-07
9,435	8.71E-08	7.25E-07	1.60E-06	6.88E-08	5.54E-07	1.26E-06	4.02E-08	3.45E-07	7.38E-07	4.15E-08	3.68E-07	7.97E-07	4.77E-08	3.93E-07	8.87E-07	5.10E-08	4.07E-07	9.25E-07	4.23E-08	3.58E-07	7.98E-07
9,436	8.70E-08	7.25E-07	1.60E-06	6.88E-08	5.54E-07	1.26E-06	4.01E-08	3.44E-07	7.36E-07	4.15E-08	3.68E-07	7.96E-07	4.77E-08	3.93E-07	8.86E-07	5.09E-08	4.07E-07	9.24E-07	4.23E-08	3.57E-07	7.97E-07
9,437	8.70E-08	7.24E-07	1.60E-06	6.87E-08	5.54E-07	1.26E-06	4.01E-08	3.44E-07	7.35E-07	4.14E-08	3.68E-07	7.95E-07	4.77E-08	3.93E-07	8.86E-07	5.09E-08	4.07E-07	9.24E-07	4.23E-08	3.57E-07	7.96E-07
9,438	8.68E-08	7.21E-07	1.60E-06	6.84E-08	5.53E-07	1.26E-06	4.01E-08	3.44E-07	7.34E-07	4.14E-08	3.67E-07	7.95E-07	4.76E-08	3.92E-07	8.86E-07	5.08E-08	4.06E-07	9.23E-07	4.22E-08	3.57E-07	7.96E-07
9,439	8.68E-08	7.20E-07	1.60E-06	6.83E-08	5.52E-07	1.26E-06	4.01E-08	3.43E-07	7.34E-07	4.14E-08	3.67E-07	7.94E-07	4.75E-08	3.92E-07	8.86E-07	5.08E-08	4.06E-07	9.23E-07	4.22E-08	3.56E-07	7.95E-07
9,440	8.67E-08	7.20E-07	1.60E-06	6.83E-08	5.51E-07	1.26E-06	4.01E-08	3.42E-07	7.34E-07	4.14E-08	3.67E-07	7.93E-07	4.74E-08	3.92E-07	8.86E-07	5.08E-08	4.06E-07	9.22E-07	4.21E-08	3.56E-07	7.95E-07
9,441	8.67E-08	7.19E-07	1.60E-06	6.82E-08	5.51E-07	1.26E-06	4.00E-08	3.42E-07	7.33E-07	4.13E-08	3.66E-07	7.92E-07	4.74E-08	3.92E-07	8.85E-07	5.08E-08	4.06E-07	9.22E-07	4.20E-08	3.55E-07	7.94E-07
9,442	8.67E-08	7.19E-07	1.59E-06	6.82E-08	5.49E-07	1.25E-06	4.00E-08	3.42E-07	7.33E-07	4.13E-08	3.66E-07	7.92E-07	4.74E-08	3.92E-07	8.85E-07	5.08E-08	4.05E-07	9.19E-07	4.20E-08	3.53E-07	7.93E-07
9,443	8.67E-08	7.19E-07	1.59E-06	6.81E-08	5.49E-07	1.25E-06	4.00E-08	3.42E-07	7.33E-07	4.12E-08	3.65E-07	7.90E-07	4.74E-08	3.91E-07	8.81E-07	5.07E-08	4.05E-07	9.18E-07	4.20E-08	3.53E-07	7.92E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,464	8.54E-08	7.01E-07	1.56E-06	6.68E-08	5.39E-07	1.22E-06	3.93E-08	3.34E-07	7.20E-07	4.07E-08	3.59E-07	7.77E-07	4.64E-08	3.86E-07	8.57E-07	4.99E-08	3.93E-07	8.93E-07	4.08E-08	3.46E-07	7.77E-07
9,465	8.54E-08	7.00E-07	1.56E-06	6.67E-08	5.39E-07	1.22E-06	3.93E-08	3.33E-07	7.20E-07	4.07E-08	3.59E-07	7.77E-07	4.63E-08	3.86E-07	8.57E-07	4.96E-08	3.92E-07	8.91E-07	4.06E-08	3.46E-07	7.77E-07
9,466	8.52E-08	7.00E-07	1.56E-06	6.66E-08	5.37E-07	1.22E-06	3.92E-08	3.33E-07	7.18E-07	4.06E-08	3.58E-07	7.76E-07	4.63E-08	3.85E-07	8.57E-07	4.96E-08	3.92E-07	8.91E-07	4.05E-08	3.46E-07	7.77E-07
9,467	8.51E-08	6.99E-07	1.55E-06	6.65E-08	5.37E-07	1.22E-06	3.92E-08	3.33E-07	7.18E-07	4.06E-08	3.58E-07	7.73E-07	4.62E-08	3.85E-07	8.57E-07	4.96E-08	3.92E-07	8.89E-07	4.05E-08	3.46E-07	7.75E-07
9,468	8.50E-08	6.98E-07	1.55E-06	6.64E-08	5.37E-07	1.22E-06	3.91E-08	3.33E-07	7.17E-07	4.03E-08	3.57E-07	7.72E-07	4.61E-08	3.85E-07	8.54E-07	4.96E-08	3.91E-07	8.88E-07	4.04E-08	3.45E-07	7.75E-07
9,469	8.49E-08	6.97E-07	1.55E-06	6.64E-08	5.36E-07	1.21E-06	3.91E-08	3.32E-07	7.17E-07	4.03E-08	3.57E-07	7.72E-07	4.61E-08	3.83E-07	8.53E-07	4.95E-08	3.91E-07	8.84E-07	4.04E-08	3.45E-07	7.73E-07
9,470	8.48E-08	6.97E-07	1.55E-06	6.63E-08	5.36E-07	1.21E-06	3.90E-08	3.32E-07	7.16E-07	4.02E-08	3.57E-07	7.72E-07	4.60E-08	3.83E-07	8.53E-07	4.95E-08	3.91E-07	8.84E-07	4.03E-08	3.45E-07	7.73E-07
9,471	8.47E-08	6.96E-07	1.54E-06	6.63E-08	5.36E-07	1.21E-06	3.90E-08	3.32E-07	7.16E-07	4.02E-08	3.57E-07	7.71E-07	4.60E-08	3.83E-07	8.53E-07	4.94E-08	3.90E-07	8.83E-07	4.03E-08	3.45E-07	7.72E-07
9,472	8.46E-08	6.95E-07	1.54E-06	6.62E-08	5.36E-07	1.21E-06	3.90E-08	3.31E-07	7.16E-07	4.02E-08	3.56E-07	7.71E-07	4.59E-08	3.82E-07	8.52E-07	4.94E-08	3.89E-07	8.82E-07	4.03E-08	3.45E-07	7.72E-07
9,473	8.45E-08	6.95E-07	1.54E-06	6.62E-08	5.35E-07	1.21E-06	3.90E-08	3.31E-07	7.16E-07	4.02E-08	3.55E-07	7.70E-07	4.59E-08	3.82E-07	8.51E-07	4.94E-08	3.89E-07	8.82E-07	4.03E-08	3.44E-07	7.72E-07
9,474	8.45E-08	6.94E-07	1.54E-06	6.62E-08	5.34E-07	1.21E-06	3.89E-08	3.31E-07	7.16E-07	4.02E-08	3.54E-07	7.70E-07	4.59E-08	3.82E-07	8.51E-07	4.92E-08	3.89E-07	8.82E-07	4.03E-08	3.44E-07	7.72E-07
9,475	8.43E-08	6.93E-07	1.54E-06	6.61E-08	5.33E-07	1.21E-06	3.88E-08	3.31E-07	7.15E-07	4.01E-08	3.54E-07	7.69E-07	4.58E-08	3.81E-07	8.51E-07	4.92E-08	3.88E-07	8.81E-07	4.03E-08	3.42E-07	7.71E-07
9,476	8.42E-08	6.90E-07	1.54E-06	6.60E-08	5.33E-07	1.21E-06	3.88E-08	3.31E-07	7.14E-07	4.01E-08	3.53E-07	7.69E-07	4.58E-08	3.81E-07	8.50E-07	4.91E-08	3.87E-07	8.81E-07	4.03E-08	3.42E-07	7.71E-07
9,477	8.42E-08	6.88E-07	1.53E-06	6.58E-08	5.33E-07	1.20E-06	3.88E-08	3.31E-07	7.13E-07	4.01E-08	3.53E-07	7.68E-07	4.57E-08	3.81E-07	8.49E-07	4.91E-08	3.87E-07	8.80E-07	4.02E-08	3.41E-07	7.71E-07
9,478	8.42E-08	6.88E-07	1.53E-06	6.58E-08	5.32E-07	1.20E-06	3.88E-08	3.31E-07	7.13E-07	4.01E-08	3.52E-07	7.68E-07	4.57E-08	3.81E-07	8.48E-07	4.90E-08	3.86E-07	8.80E-07	4.01E-08	3.41E-07	7.70E-07
9,479	8.40E-08	6.88E-07	1.53E-06	6.56E-08	5.32E-07	1.20E-06	3.87E-08	3.31E-07	7.13E-07	4.01E-08	3.52E-07	7.68E-07	4.57E-08	3.81E-07	8.47E-07	4.90E-08	3.86E-07	8.80E-07	4.01E-08	3.41E-07	7.70E-07
9,480	8.39E-08	6.87E-07	1.53E-06	6.54E-08	5.32E-07	1.19E-06	3.87E-08	3.31E-07	7.13E-07	4.00E-08	3.52E-07	7.68E-07	4.56E-08	3.81E-07	8.47E-07	4.90E-08	3.85E-07	8.78E-07	4.00E-08	3.41E-07	7.70E-07
9,481	8.37E-08	6.85E-07	1.53E-06	6.53E-08	5.31E-07	1.18E-06	3.87E-08	3.31E-07	7.12E-07	4.00E-08	3.52E-07	7.66E-07	4.55E-08	3.81E-07	8.47E-07	4.89E-08	3.85E-07	8.78E-07	4.00E-08	3.41E-07	7.70E-07
9,482	8.37E-08	6.85E-07	1.53E-06	6.53E-08	5.30E-07	1.18E-06	3.86E-08	3.31E-07	7.11E-07	4.00E-08	3.52E-07	7.66E-07	4.55E-08	3.80E-07	8.47E-07	4.89E-08	3.84E-07	8.77E-07	4.00E-08	3.40E-07	7.67E-07
9,483	8.37E-08	6.85E-07	1.53E-06	6.53E-08	5.29E-07	1.18E-06	3.85E-08	3.30E-07	7.10E-07	3.99E-08	3.51E-07	7.66E-07	4.54E-08	3.79E-07	8.46E-07	4.89E-08	3.84E-07	8.76E-07	4.00E-08	3.40E-07	7.67E-07
9,484	8.35E-08	6.85E-07	1.52E-06	6.52E-08	5.29E-07	1.18E-06	3.85E-08	3.30E-07	7.10E-07	3.99E-08	3.50E-07	7.63E-07	4.54E-08	3.79E-07	8.45E-07	4.88E-08	3.84E-07	8.75E-07	4.00E-08	3.39E-07	7.66E-07
9,485	8.34E-08	6.83E-07	1.52E-06	6.51E-08	5.28E-07	1.18E-06	3.85E-08	3.29E-07	7.08E-07	3.99E-08	3.50E-07	7.63E-07	4.54E-08	3.79E-07	8.43E-07	4.87E-08	3.83E-07	8.75E-07	3.99E-08	3.38E-07	7.65E-07
9,486	8.33E-08	6.83E-07	1.52E-06	6.50E-08	5.28E-07	1.18E-06	3.85E-08	3.29E-07	7.08E-07	3.98E-08	3.50E-07	7.62E-07	4.53E-08	3.79E-07	8.42E-07	4.87E-08	3.83E-07	8.74E-07	3.99E-08	3.37E-07	7.65E-07
9,487	8.32E-08	6.82E-07	1.52E-06	6.46E-08	5.27E-07	1.18E-06	3.85E-08	3.29E-07	7.07E-07	3.97E-08	3.49E-07	7.62E-07	4.52E-08	3.78E-07	8.42E-07	4.87E-08	3.83E-07	8.72E-07	3.99E-08	3.37E-07	7.65E-07
9,488	8.32E-08	6.80E-07	1.52E-06	6.44E-08	5.27E-07	1.18E-06	3.84E-08	3.29E-07	7.06E-07	3.97E-08	3.49E-07	7.62E-07	4.52E-08	3.78E-07	8.41E-07	4.86E-08	3.83E-07	8.70E-07	3.98E-08	3.37E-07	7.64E-07
9,489	8.31E-08	6.80E-07	1.52E-06	6.44E-08	5.27E-07	1.17E-06	3.84E-08	3.29E-07	7.05E-07	3.97E-08	3.49E-07	7.60E-07	4.52E-08	3.78E-07	8.41E-07	4.86E-08	3.82E-07	8.67E-07	3.98E-08	3.37E-07	7.64E-07
9,490	8.31E-08	6.77E-07	1.51E-06	6.42E-08	5.26E-07	1.17E-06	3.83E-08	3.28E-07	7.05E-07	3.96E-08	3.49E-07	7.60E-07	4.51E-08	3.78E-07	8.41E-07	4.85E-08	3.80E-07	8.65E-07	3.98E-08	3.37E-07	7.63E-07
9,491	8.29E-08	6.75E-07	1.51E-06	6.42E-08	5.26E-07	1.17E-06	3.83E-08	3.28E-07	7.05E-07	3.96E-08	3.49E-07	7.59E-07	4.50E-08	3.77E-07	8.40E-07	4.84E-08	3.80E-07	8.65E-07	3.97E-08	3.37E-07	7.61E-07
9,492	8.29E-08	6.71E-07	1.51E-06	6.41E-08	5.25E-07	1.17E-06	3.83E-08	3.28E-07	7.05E-07	3.96E-08	3.48E-07	7.59E-07	4.50E-08	3.77E-07	8.40E-07	4.83E-08	3.80E-07	8.65E-07	3.97E-08	3.36E-07	7.60E-07
9,493	8.28E-08	6.71E-07	1.51E-06	6.40E-08	5.24E-07	1.17E-06	3.83E-08	3.27E-07	7.05E-07	3.95E-08	3.48E-07	7.57E-07	4.49E-08	3.77E-07	8.39E-07	4.82E-08	3.79E-07	8.65E-07	3.96E-08	3.36E-07	7.60E-07
9,494	8.27E-08	6.71E-07	1.51E-06	6.40E-08	5.24E-07	1.17E-06	3.83E-08	3.26E-07	7.04E-07	3.95E-08	3.48E-07	7.57E-07	4.49E-08	3.76E-07	8.38E-07	4.82E-08	3.78E-07	8.64E-07	3.96E-08	3.36E-07	7.60E-07
9,495	8.23E-08	6.70E-07	1.51E-06	6.38E-08	5.23E-07	1.17E-06	3.82E-08	3.26E-07	7.04E-07	3.95E-08	3.48E-07	7.54E-07	4.49E-08	3.76E-07	8.35E-07	4.81E-08	3.78E-07	8.64E-07	3.95E-08	3.36E-07	7.60E-07
9,496	8.23E-08	6.70E-07	1.51E-06	6.37E-08	5.23E-07	1.17E-06	3.82E-08	3.25E-07	7.04E-07	3.95E-08	3.47E-07	7.54E-07	4.49E-08	3.76E-07	8.33E-07	4.80E-08	3.77E-07	8.63E-07	3.94E-08	3.35E-07	7.59E-07
9,497	8.16E-08	6.69E-07	1.50E-06	6.35E-08	5.23E-07	1.16E-06	3.81E-08	3.25E-07	7.03E-07	3.95E-08	3.46E-07	7.53E-07	4.49E-08	3.75E-07	8.30E-07	4.79E-08	3.76E-07	8.63E-07	3.93E-08	3.35E-07	7.59E-07
9,498	8.16E-08	6.69E-07	1.50E-06	6.34E-08	5.23E-07	1.16E-06	3.81E-08	3.25E-07	7.03E-07	3.95E-08	3.46E-07	7.51E-07	4.48E-08	3.75E-07	8.30E-07	4.78E-08	3.76E-07	8.63E-07	3.93E-08	3.35E-07	7.59E-07
9,499	8.14E-08	6.68E-07	1.50E-06	6.33E-08	5.21E-07	1.15E-06	3.81E-08	3.24E-07	7.02E-07	3.94E-08	3.45E-07	7.51E-07	4.47E-08	3.74E-07	8.28E-07	4.78E-08	3.76E-07	8.60E-07	3.91E-08	3.35E-07	7.59E-07
9,500	8.14E-08	6.67E-07	1.50E-06	6.32E-08	5.21E-07	1.15E-06	3.80E-08	3.24E-07	7.02E-07	3.93E-08	3.45E-07	7.49E-07	4.47E-08	3.74E-07	8.28E-07	4.78E-08	3.76E-07	8.59E-07	3.91E-08	3.34E-07	7.58E-07
9,501	8.13E-08	6.66E-07	1.50E-06	6.32E-08	5.20E-07	1.15E-06	3.79E-08	3.24E-07	7.01E-07	3.93E-08	3.45E-07	7.48E-07	4.47E-08	3.74E-07	8.27E-07	4.77E-08	3.76E-07	8.59E-07	3.90E-08	3.34E-07	7.55E-07
9,502	8.13E-08	6.66E-07	1.49E-06	6.32E-08	5.20E-07	1.15E-06	3.79E-08	3.24E-07	6.99E-07	3.93E-08	3.44E-07	7.47E-07	4.47E-08	3.74E-07	8.26E-07	4.76E-08	3.76E-07	8.59E-07	3.90E-08	3.34E-07	7.54E-07
9,503	8.13E-08	6.66E-07	1.49E-06	6.31E-08	5.19E-07	1.15E-06	3.79E-08	3.23E-07	6.98E-07	3.93E-08	3.44E-07	7.43E-07	4.46E-08	3.73E-07	8.26E-07	4.76E-08	3.75E-07	8.58E-07	3.90E-08	3.33E-07	7.54E-07
9,504	8.12E-08	6.65E-07	1.49E-06	6.31E-08	5.18E-07	1.15E-06	3.79E-08	3.23E-07	6.98E-07	3.93E-08	3.44E-07	7.43E-07	4.46E-08	3.73E-07	8.24E-07	4.76E-08	3.74E-07	8.58E-07	3.90E-08	3.33E-07	7.53E-07
9,505	8.10E-08	6.65E-07	1.48E-06	6.30E-08	5.17E-07	1.15E-06	3.79E-08	3.23E-07	6.97E-07	3.92E-08	3.44E-07	7.43E-07	4.45E-08	3.73E-07	8.24E-07	4.76E-08	3.74E-07	8.56E-07	3.89E-08	3.32E-07	7.52E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,526	7.92E-08	6.47E-07	1.44E-06	6.18E-08	5.06E-07	1.11E-06	3.72E-08	3.17E-07	6.84E-07	3.80E-08	3.33E-07	7.17E-07	4.34E-08	3.65E-07	8.08E-07	4.65E-08	3.69E-07	8.43E-07	3.80E-08	3.25E-07	7.39E-07
9,527	7.91E-08	6.47E-07	1.44E-06	6.17E-08	5.06E-07	1.11E-06	3.70E-08	3.17E-07	6.84E-07	3.80E-08	3.33E-07	7.17E-07	4.34E-08	3.65E-07	8.06E-07	4.64E-08	3.69E-07	8.43E-07	3.79E-08	3.25E-07	7.37E-07
9,528	7.89E-08	6.47E-07	1.44E-06	6.16E-08	5.05E-07	1.11E-06	3.70E-08	3.16E-07	6.83E-07	3.80E-08	3.33E-07	7.17E-07	4.33E-08	3.65E-07	8.06E-07	4.64E-08	3.68E-07	8.41E-07	3.79E-08	3.24E-07	7.37E-07
9,529	7.88E-08	6.46E-07	1.44E-06	6.16E-08	5.04E-07	1.11E-06	3.69E-08	3.16E-07	6.83E-07	3.79E-08	3.32E-07	7.16E-07	4.33E-08	3.64E-07	8.06E-07	4.64E-08	3.68E-07	8.40E-07	3.78E-08	3.24E-07	7.35E-07
9,530	7.88E-08	6.45E-07	1.44E-06	6.16E-08	5.04E-07	1.11E-06	3.68E-08	3.15E-07	6.82E-07	3.79E-08	3.31E-07	7.16E-07	4.32E-08	3.63E-07	8.04E-07	4.63E-08	3.67E-07	8.40E-07	3.78E-08	3.24E-07	7.34E-07
9,531	7.88E-08	6.43E-07	1.43E-06	6.14E-08	5.03E-07	1.11E-06	3.68E-08	3.15E-07	6.81E-07	3.78E-08	3.31E-07	7.14E-07	4.32E-08	3.63E-07	8.04E-07	4.62E-08	3.67E-07	8.40E-07	3.77E-08	3.24E-07	7.34E-07
9,532	7.87E-08	6.43E-07	1.43E-06	6.12E-08	5.03E-07	1.11E-06	3.68E-08	3.14E-07	6.81E-07	3.78E-08	3.31E-07	7.14E-07	4.30E-08	3.63E-07	8.04E-07	4.62E-08	3.67E-07	8.40E-07	3.77E-08	3.23E-07	7.33E-07
9,533	7.80E-08	6.43E-07	1.43E-06	6.11E-08	5.03E-07	1.11E-06	3.67E-08	3.13E-07	6.78E-07	3.78E-08	3.30E-07	7.14E-07	4.30E-08	3.62E-07	8.03E-07	4.61E-08	3.67E-07	8.39E-07	3.75E-08	3.23E-07	7.33E-07
9,534	7.79E-08	6.41E-07	1.43E-06	6.11E-08	5.02E-07	1.11E-06	3.66E-08	3.12E-07	6.78E-07	3.78E-08	3.30E-07	7.14E-07	4.30E-08	3.62E-07	8.02E-07	4.61E-08	3.66E-07	8.37E-07	3.75E-08	3.23E-07	7.28E-07
9,535	7.78E-08	6.41E-07	1.43E-06	6.10E-08	5.01E-07	1.10E-06	3.66E-08	3.11E-07	6.77E-07	3.77E-08	3.28E-07	7.13E-07	4.30E-08	3.61E-07	8.02E-07	4.61E-08	3.66E-07	8.36E-07	3.75E-08	3.23E-07	7.26E-07
9,536	7.78E-08	6.41E-07	1.42E-06	6.10E-08	5.00E-07	1.10E-06	3.66E-08	3.11E-07	6.76E-07	3.77E-08	3.28E-07	7.13E-07	4.29E-08	3.60E-07	8.01E-07	4.61E-08	3.65E-07	8.35E-07	3.74E-08	3.23E-07	7.25E-07
9,537	7.78E-08	6.41E-07	1.42E-06	6.10E-08	5.00E-07	1.10E-06	3.66E-08	3.09E-07	6.74E-07	3.77E-08	3.28E-07	7.11E-07	4.29E-08	3.59E-07	8.01E-07	4.60E-08	3.64E-07	8.34E-07	3.74E-08	3.23E-07	7.24E-07
9,538	7.78E-08	6.40E-07	1.42E-06	6.09E-08	4.99E-07	1.10E-06	3.65E-08	3.09E-07	6.73E-07	3.76E-08	3.26E-07	7.11E-07	4.29E-08	3.59E-07	8.01E-07	4.60E-08	3.64E-07	8.34E-07	3.73E-08	3.23E-07	7.23E-07
9,539	7.77E-08	6.40E-07	1.42E-06	6.07E-08	4.99E-07	1.10E-06	3.65E-08	3.09E-07	6.72E-07	3.76E-08	3.25E-07	7.11E-07	4.28E-08	3.59E-07	8.00E-07	4.60E-08	3.64E-07	8.34E-07	3.73E-08	3.22E-07	7.22E-07
9,540	7.74E-08	6.40E-07	1.42E-06	6.06E-08	4.97E-07	1.10E-06	3.64E-08	3.09E-07	6.71E-07	3.76E-08	3.25E-07	7.10E-07	4.28E-08	3.59E-07	7.98E-07	4.60E-08	3.64E-07	8.34E-07	3.73E-08	3.22E-07	7.21E-07
9,541	7.74E-08	6.39E-07	1.41E-06	6.06E-08	4.96E-07	1.10E-06	3.64E-08	3.08E-07	6.71E-07	3.75E-08	3.23E-07	7.09E-07	4.28E-08	3.59E-07	7.97E-07	4.60E-08	3.64E-07	8.32E-07	3.72E-08	3.21E-07	7.20E-07
9,542	7.72E-08	6.39E-07	1.41E-06	6.06E-08	4.94E-07	1.10E-06	3.63E-08	3.08E-07	6.69E-07	3.75E-08	3.22E-07	7.09E-07	4.28E-08	3.59E-07	7.97E-07	4.60E-08	3.63E-07	8.31E-07	3.72E-08	3.20E-07	7.20E-07
9,543	7.71E-08	6.39E-07	1.41E-06	6.04E-08	4.94E-07	1.10E-06	3.62E-08	3.08E-07	6.68E-07	3.75E-08	3.21E-07	7.08E-07	4.27E-08	3.58E-07	7.97E-07	4.60E-08	3.63E-07	8.30E-07	3.72E-08	3.20E-07	7.20E-07
9,544	7.70E-08	6.38E-07	1.41E-06	6.02E-08	4.94E-07	1.10E-06	3.62E-08	3.07E-07	6.68E-07	3.74E-08	3.21E-07	7.07E-07	4.27E-08	3.58E-07	7.95E-07	4.59E-08	3.63E-07	8.30E-07	3.72E-08	3.20E-07	7.19E-07
9,545	7.69E-08	6.37E-07	1.41E-06	6.02E-08	4.93E-07	1.10E-06	3.62E-08	3.07E-07	6.68E-07	3.73E-08	3.20E-07	7.07E-07	4.27E-08	3.58E-07	7.95E-07	4.59E-08	3.63E-07	8.29E-07	3.71E-08	3.19E-07	7.19E-07
9,546	7.68E-08	6.36E-07	1.41E-06	6.02E-08	4.93E-07	1.10E-06	3.61E-08	3.07E-07	6.67E-07	3.72E-08	3.20E-07	7.05E-07	4.26E-08	3.58E-07	7.90E-07	4.59E-08	3.63E-07	8.29E-07	3.71E-08	3.19E-07	7.18E-07
9,547	7.67E-08	6.35E-07	1.41E-06	6.02E-08	4.92E-07	1.10E-06	3.61E-08	3.06E-07	6.67E-07	3.72E-08	3.19E-07	7.04E-07	4.25E-08	3.57E-07	7.88E-07	4.58E-08	3.62E-07	8.29E-07	3.70E-08	3.19E-07	7.17E-07
9,548	7.67E-08	6.34E-07	1.41E-06	6.01E-08	4.92E-07	1.09E-06	3.61E-08	3.06E-07	6.66E-07	3.72E-08	3.19E-07	7.04E-07	4.24E-08	3.57E-07	7.88E-07	4.58E-08	3.60E-07	8.29E-07	3.69E-08	3.18E-07	7.17E-07
9,549	7.66E-08	6.34E-07	1.41E-06	6.00E-08	4.91E-07	1.09E-06	3.61E-08	3.06E-07	6.65E-07	3.71E-08	3.19E-07	7.04E-07	4.24E-08	3.57E-07	7.88E-07	4.57E-08	3.59E-07	8.28E-07	3.69E-08	3.18E-07	7.15E-07
9,550	7.65E-08	6.33E-07	1.40E-06	5.99E-08	4.89E-07	1.09E-06	3.61E-08	3.06E-07	6.65E-07	3.71E-08	3.19E-07	7.02E-07	4.24E-08	3.57E-07	7.88E-07	4.57E-08	3.59E-07	8.27E-07	3.68E-08	3.17E-07	7.14E-07
9,551	7.65E-08	6.33E-07	1.40E-06	5.99E-08	4.87E-07	1.09E-06	3.61E-08	3.06E-07	6.61E-07	3.71E-08	3.19E-07	7.02E-07	4.24E-08	3.57E-07	7.88E-07	4.56E-08	3.58E-07	8.27E-07	3.68E-08	3.17E-07	7.14E-07
9,552	7.65E-08	6.32E-07	1.40E-06	5.98E-08	4.87E-07	1.09E-06	3.61E-08	3.06E-07	6.61E-07	3.71E-08	3.19E-07	7.02E-07	4.22E-08	3.56E-07	7.88E-07	4.56E-08	3.58E-07	8.27E-07	3.68E-08	3.17E-07	7.10E-07
9,553	7.65E-08	6.30E-07	1.40E-06	5.96E-08	4.86E-07	1.09E-06	3.60E-08	3.05E-07	6.61E-07	3.71E-08	3.19E-07	7.00E-07	4.22E-08	3.56E-07	7.85E-07	4.56E-08	3.58E-07	8.26E-07	3.68E-08	3.16E-07	7.10E-07
9,554	7.64E-08	6.30E-07	1.40E-06	5.94E-08	4.85E-07	1.09E-06	3.60E-08	3.05E-07	6.61E-07	3.71E-08	3.18E-07	7.00E-07	4.22E-08	3.54E-07	7.85E-07	4.55E-08	3.58E-07	8.25E-07	3.68E-08	3.16E-07	7.10E-07
9,555	7.63E-08	6.28E-07	1.40E-06	5.94E-08	4.84E-07	1.09E-06	3.60E-08	3.05E-07	6.61E-07	3.68E-08	3.18E-07	6.99E-07	4.22E-08	3.53E-07	7.84E-07	4.55E-08	3.57E-07	8.25E-07	3.67E-08	3.16E-07	7.09E-07
9,556	7.63E-08	6.27E-07	1.39E-06	5.93E-08	4.84E-07	1.08E-06	3.60E-08	3.04E-07	6.60E-07	3.68E-08	3.18E-07	6.98E-07	4.21E-08	3.53E-07	7.84E-07	4.53E-08	3.57E-07	8.23E-07	3.67E-08	3.16E-07	7.09E-07
9,557	7.62E-08	6.26E-07	1.39E-06	5.90E-08	4.83E-07	1.08E-06	3.59E-08	3.04E-07	6.60E-07	3.68E-08	3.18E-07	6.98E-07	4.21E-08	3.52E-07	7.84E-07	4.53E-08	3.57E-07	8.23E-07	3.66E-08	3.16E-07	7.07E-07
9,558	7.62E-08	6.26E-07	1.39E-06	5.87E-08	4.81E-07	1.08E-06	3.58E-08	3.04E-07	6.59E-07	3.68E-08	3.18E-07	6.97E-07	4.20E-08	3.51E-07	7.83E-07	4.52E-08	3.56E-07	8.22E-07	3.65E-08	3.16E-07	7.06E-07
9,559	7.61E-08	6.26E-07	1.38E-06	5.86E-08	4.81E-07	1.08E-06	3.58E-08	3.03E-07	6.59E-07	3.67E-08	3.18E-07	6.95E-07	4.19E-08	3.51E-07	7.82E-07	4.52E-08	3.56E-07	8.21E-07	3.65E-08	3.14E-07	7.06E-07
9,560	7.61E-08	6.26E-07	1.38E-06	5.86E-08	4.80E-07	1.08E-06	3.58E-08	3.02E-07	6.58E-07	3.67E-08	3.17E-07	6.95E-07	4.17E-08	3.51E-07	7.82E-07	4.52E-08	3.56E-07	8.20E-07	3.65E-08	3.14E-07	7.04E-07
9,561	7.61E-08	6.26E-07	1.38E-06	5.84E-08	4.80E-07	1.08E-06	3.57E-08	3.02E-07	6.58E-07	3.66E-08	3.17E-07	6.95E-07	4.16E-08	3.50E-07	7.81E-07	4.51E-08	3.56E-07	8.20E-07	3.64E-08	3.14E-07	7.02E-07
9,562	7.59E-08	6.26E-07	1.38E-06	5.82E-08	4.77E-07	1.08E-06	3.57E-08	3.00E-07	6.58E-07	3.66E-08	3.17E-07	6.93E-07	4.16E-08	3.49E-07	7.81E-07	4.51E-08	3.56E-07	8.20E-07	3.62E-08	3.14E-07	7.01E-07
9,563	7.57E-08	6.25E-07	1.38E-06	5.79E-08	4.77E-07	1.08E-06	3.55E-08	3.00E-07	6.57E-07	3.66E-08	3.17E-07	6.92E-07	4.16E-08	3.48E-07	7.79E-07	4.50E-08	3.56E-07	8.18E-07	3.61E-08	3.13E-07	7.01E-07
9,564	7.57E-08	6.24E-07	1.37E-06	5.79E-08	4.77E-07	1.08E-06	3.55E-08	2.99E-07	6.57E-07	3.65E-08	3.16E-07	6.92E-07	4.16E-08	3.48E-07	7.78E-07	4.50E-08	3.55E-07	8.17E-07	3.61E-08	3.12E-07	7.00E-07
9,565	7.56E-08	6.23E-07	1.37E-06	5.78E-08	4.76E-07	1.08E-06	3.55E-08	2.98E-07	6.57E-07	3.65E-08	3.16E-07	6.91E-07	4.16E-08	3.47E-07	7.78E-07	4.49E-08	3.55E-07	8.16E-07	3.60E-08	3.12E-07	7.00E-07
9,566	7.55E-08	6.23E-07	1.36E-06	5.77E-08	4.76E-07	1.08E-06	3.54E-08	2.98E-07	6.57E-07	3.64E-08	3.16E-07	6.91E-07	4.16E-08	3.47E-07	7.77E-07	4.47E-08	3.54E-07	8.16E-07	3.60E-08	3.12E-07	6.99E-07
9,567	7.55E-08	6.23E-07	1.36E-06	5.76E-08	4.76E-07	1.08E-06	3.54E-08	2.97E-07	6.56E-07	3.64E-08	3.16E-07	6.90E-07	4.15E-08	3.47E-07	7.77E-07	4.46E-08	3.53E-07	8.12E-07	3.60E-08	3.12E-07	6.97E-07

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,588	7.32E-08	6.07E-07	1.32E-06	5.57E-08	4.59E-07	1.05E-06	3.43E-08	2.91E-07	6.45E-07	3.57E-08	3.07E-07	6.77E-07	4.05E-08	3.40E-07	7.55E-07	4.36E-08	3.46E-07	7.88E-07	3.51E-08	3.03E-07	6.81E-07
9,589	7.32E-08	6.06E-07	1.32E-06	5.56E-08	4.59E-07	1.05E-06	3.43E-08	2.91E-07	6.44E-07	3.56E-08	3.05E-07	6.76E-07	4.05E-08	3.40E-07	7.55E-07	4.35E-08	3.46E-07	7.87E-07	3.49E-08	3.03E-07	6.79E-07
9,590	7.31E-08	6.06E-07	1.32E-06	5.54E-08	4.58E-07	1.04E-06	3.42E-08	2.89E-07	6.44E-07	3.56E-08	3.05E-07	6.75E-07	4.04E-08	3.39E-07	7.53E-07	4.35E-08	3.46E-07	7.87E-07	3.48E-08	3.02E-07	6.79E-07
9,591	7.29E-08	6.06E-07	1.32E-06	5.54E-08	4.58E-07	1.04E-06	3.42E-08	2.89E-07	6.44E-07	3.56E-08	3.05E-07	6.73E-07	4.04E-08	3.39E-07	7.53E-07	4.33E-08	3.46E-07	7.86E-07	3.47E-08	3.02E-07	6.77E-07
9,592	7.27E-08	6.05E-07	1.31E-06	5.52E-08	4.58E-07	1.04E-06	3.41E-08	2.89E-07	6.44E-07	3.54E-08	3.04E-07	6.73E-07	4.04E-08	3.39E-07	7.52E-07	4.32E-08	3.46E-07	7.86E-07	3.47E-08	3.02E-07	6.76E-07
9,593	7.26E-08	6.05E-07	1.31E-06	5.52E-08	4.57E-07	1.04E-06	3.40E-08	2.89E-07	6.44E-07	3.52E-08	3.04E-07	6.72E-07	4.04E-08	3.39E-07	7.52E-07	4.30E-08	3.45E-07	7.85E-07	3.47E-08	3.02E-07	6.76E-07
9,594	7.25E-08	6.04E-07	1.31E-06	5.50E-08	4.57E-07	1.04E-06	3.38E-08	2.89E-07	6.43E-07	3.52E-08	3.04E-07	6.72E-07	4.04E-08	3.38E-07	7.50E-07	4.30E-08	3.45E-07	7.84E-07	3.47E-08	3.02E-07	6.76E-07
9,595	7.25E-08	6.04E-07	1.31E-06	5.49E-08	4.57E-07	1.04E-06	3.37E-08	2.88E-07	6.42E-07	3.51E-08	3.04E-07	6.71E-07	4.04E-08	3.38E-07	7.50E-07	4.29E-08	3.44E-07	7.84E-07	3.47E-08	3.02E-07	6.75E-07
9,596	7.24E-08	6.03E-07	1.31E-06	5.49E-08	4.56E-07	1.04E-06	3.37E-08	2.87E-07	6.42E-07	3.50E-08	3.04E-07	6.70E-07	4.03E-08	3.38E-07	7.49E-07	4.29E-08	3.44E-07	7.84E-07	3.45E-08	3.02E-07	6.74E-07
9,597	7.23E-08	6.02E-07	1.31E-06	5.48E-08	4.55E-07	1.04E-06	3.36E-08	2.87E-07	6.42E-07	3.50E-08	3.03E-07	6.69E-07	4.03E-08	3.37E-07	7.49E-07	4.28E-08	3.43E-07	7.84E-07	3.45E-08	3.02E-07	6.73E-07
9,598	7.23E-08	5.99E-07	1.31E-06	5.47E-08	4.54E-07	1.03E-06	3.36E-08	2.86E-07	6.42E-07	3.50E-08	3.03E-07	6.68E-07	4.02E-08	3.37E-07	7.49E-07	4.28E-08	3.41E-07	7.83E-07	3.45E-08	3.01E-07	6.73E-07
9,599	7.23E-08	5.97E-07	1.31E-06	5.46E-08	4.54E-07	1.03E-06	3.36E-08	2.86E-07	6.39E-07	3.49E-08	3.02E-07	6.66E-07	4.02E-08	3.36E-07	7.48E-07	4.28E-08	3.40E-07	7.82E-07	3.42E-08	3.01E-07	6.73E-07
9,600	7.21E-08	5.96E-07	1.31E-06	5.44E-08	4.50E-07	1.02E-06	3.36E-08	2.86E-07	6.39E-07	3.49E-08	3.02E-07	6.65E-07	4.01E-08	3.36E-07	7.46E-07	4.27E-08	3.40E-07	7.81E-07	3.42E-08	3.01E-07	6.73E-07
9,601	7.20E-08	5.95E-07	1.30E-06	5.43E-08	4.48E-07	1.02E-06	3.36E-08	2.86E-07	6.38E-07	3.49E-08	3.02E-07	6.65E-07	4.01E-08	3.36E-07	7.45E-07	4.26E-08	3.39E-07	7.80E-07	3.41E-08	3.00E-07	6.72E-07
9,602	7.20E-08	5.94E-07	1.30E-06	5.42E-08	4.48E-07	1.02E-06	3.35E-08	2.86E-07	6.38E-07	3.48E-08	3.02E-07	6.64E-07	4.01E-08	3.35E-07	7.45E-07	4.26E-08	3.39E-07	7.79E-07	3.41E-08	3.00E-07	6.72E-07
9,603	7.19E-08	5.93E-07	1.30E-06	5.42E-08	4.48E-07	1.02E-06	3.35E-08	2.86E-07	6.38E-07	3.48E-08	3.02E-07	6.62E-07	4.00E-08	3.35E-07	7.44E-07	4.25E-08	3.39E-07	7.78E-07	3.40E-08	3.00E-07	6.72E-07
9,604	7.19E-08	5.93E-07	1.30E-06	5.41E-08	4.47E-07	1.02E-06	3.34E-08	2.85E-07	6.37E-07	3.47E-08	3.02E-07	6.62E-07	4.00E-08	3.35E-07	7.44E-07	4.24E-08	3.39E-07	7.76E-07	3.40E-08	2.99E-07	6.71E-07
9,605	7.19E-08	5.92E-07	1.30E-06	5.41E-08	4.46E-07	1.02E-06	3.34E-08	2.85E-07	6.36E-07	3.46E-08	3.01E-07	6.61E-07	3.99E-08	3.34E-07	7.43E-07	4.23E-08	3.38E-07	7.76E-07	3.39E-08	2.98E-07	6.71E-07
9,606	7.19E-08	5.92E-07	1.30E-06	5.40E-08	4.46E-07	1.02E-06	3.32E-08	2.84E-07	6.33E-07	3.46E-08	3.01E-07	6.60E-07	3.99E-08	3.34E-07	7.43E-07	4.23E-08	3.38E-07	7.75E-07	3.39E-08	2.98E-07	6.70E-07
9,607	7.17E-08	5.89E-07	1.30E-06	5.38E-08	4.46E-07	1.02E-06	3.32E-08	2.83E-07	6.32E-07	3.46E-08	3.01E-07	6.60E-07	3.99E-08	3.34E-07	7.43E-07	4.22E-08	3.37E-07	7.75E-07	3.38E-08	2.98E-07	6.68E-07
9,608	7.13E-08	5.87E-07	1.30E-06	5.38E-08	4.44E-07	1.01E-06	3.32E-08	2.83E-07	6.32E-07	3.44E-08	3.01E-07	6.60E-07	3.99E-08	3.33E-07	7.41E-07	4.22E-08	3.37E-07	7.75E-07	3.38E-08	2.97E-07	6.68E-07
9,609	7.10E-08	5.86E-07	1.29E-06	5.37E-08	4.44E-07	1.01E-06	3.30E-08	2.83E-07	6.31E-07	3.44E-08	3.00E-07	6.59E-07	3.98E-08	3.33E-07	7.39E-07	4.22E-08	3.37E-07	7.74E-07	3.38E-08	2.97E-07	6.66E-07
9,610	7.08E-08	5.86E-07	1.29E-06	5.36E-08	4.43E-07	1.01E-06	3.30E-08	2.82E-07	6.30E-07	3.44E-08	3.00E-07	6.58E-07	3.98E-08	3.33E-07	7.39E-07	4.20E-08	3.37E-07	7.73E-07	3.37E-08	2.97E-07	6.66E-07
9,611	7.07E-08	5.86E-07	1.29E-06	5.35E-08	4.43E-07	1.01E-06	3.29E-08	2.82E-07	6.30E-07	3.44E-08	3.00E-07	6.58E-07	3.98E-08	3.33E-07	7.38E-07	4.19E-08	3.36E-07	7.73E-07	3.37E-08	2.96E-07	6.65E-07
9,612	7.06E-08	5.85E-07	1.29E-06	5.34E-08	4.43E-07	1.01E-06	3.29E-08	2.82E-07	6.29E-07	3.43E-08	3.00E-07	6.57E-07	3.98E-08	3.32E-07	7.37E-07	4.19E-08	3.36E-07	7.72E-07	3.37E-08	2.96E-07	6.65E-07
9,613	7.05E-08	5.84E-07	1.28E-06	5.34E-08	4.43E-07	1.00E-06	3.29E-08	2.82E-07	6.28E-07	3.43E-08	3.00E-07	6.56E-07	3.97E-08	3.31E-07	7.37E-07	4.19E-08	3.35E-07	7.71E-07	3.37E-08	2.96E-07	6.63E-07
9,614	7.04E-08	5.83E-07	1.28E-06	5.33E-08	4.42E-07	1.00E-06	3.29E-08	2.82E-07	6.27E-07	3.43E-08	3.00E-07	6.52E-07	3.96E-08	3.31E-07	7.36E-07	4.19E-08	3.35E-07	7.70E-07	3.35E-08	2.96E-07	6.63E-07
9,615	7.03E-08	5.80E-07	1.28E-06	5.33E-08	4.41E-07	9.97E-07	3.28E-08	2.82E-07	6.26E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,650	6.71E-08	5.46E-07	1.22E-06	5.07E-08	4.24E-07	9.43E-07	3.14E-08	2.68E-07	5.96E-07	3.25E-08	2.86E-07	6.31E-07	3.78E-08	3.13E-07	7.00E-07	3.97E-08	3.20E-07	7.25E-07	3.23E-08	2.80E-07	6.33E-07
9,651	6.71E-08	5.45E-07	1.22E-06	5.05E-08	4.23E-07	9.42E-07	3.13E-08	2.68E-07	5.96E-07	3.24E-08	2.86E-07	6.31E-07	3.77E-08	3.13E-07	7.00E-07	3.96E-08	3.20E-07	7.25E-07	3.22E-08	2.79E-07	6.29E-07
9,652	6.69E-08	5.45E-07	1.22E-06	5.04E-08	4.23E-07	9.40E-07	3.13E-08	2.68E-07	5.96E-07	3.24E-08	2.86E-07	6.31E-07	3.76E-08	3.12E-07	6.99E-07	3.96E-08	3.20E-07	7.25E-07	3.22E-08	2.79E-07	6.28E-07
9,653	6.68E-08	5.45E-07	1.22E-06	5.04E-08	4.21E-07	9.39E-07	3.13E-08	2.67E-07	5.95E-07	3.23E-08	2.86E-07	6.31E-07	3.76E-08	3.12E-07	6.99E-07	3.95E-08	3.19E-07	7.24E-07	3.21E-08	2.79E-07	6.27E-07
9,654	6.68E-08	5.45E-07	1.22E-06	5.02E-08	4.19E-07	9.38E-07	3.13E-08	2.67E-07	5.95E-07	3.23E-08	2.85E-07	6.29E-07	3.75E-08	3.12E-07	6.98E-07	3.94E-08	3.19E-07	7.22E-07	3.21E-08	2.79E-07	6.25E-07
9,655	6.67E-08	5.44E-07	1.21E-06	5.02E-08	4.16E-07	9.34E-07	3.13E-08	2.67E-07	5.95E-07	3.22E-08	2.85E-07	6.29E-07	3.74E-08	3.12E-07	6.97E-07	3.94E-08	3.19E-07	7.21E-07	3.20E-08	2.78E-07	6.24E-07
9,656	6.66E-08	5.44E-07	1.21E-06	5.01E-08	4.16E-07	9.32E-07	3.13E-08	2.66E-07	5.94E-07	3.21E-08	2.85E-07	6.29E-07	3.72E-08	3.11E-07	6.96E-07	3.92E-08	3.19E-07	7.21E-07	3.20E-08	2.78E-07	6.22E-07
9,657	6.66E-08	5.44E-07	1.21E-06	5.01E-08	4.16E-07	9.32E-07	3.12E-08	2.66E-07	5.94E-07	3.21E-08	2.85E-07	6.28E-07	3.72E-08	3.11E-07	6.96E-07	3.92E-08	3.18E-07	7.20E-07	3.19E-08	2.77E-07	6.22E-07
9,658	6.64E-08	5.42E-07	1.21E-06	4.99E-08	4.16E-07	9.28E-07	3.12E-08	2.66E-07	5.94E-07	3.20E-08	2.84E-07	6.23E-07	3.69E-08	3.10E-07	6.95E-07	3.91E-08	3.18E-07	7.20E-07	3.19E-08	2.77E-07	6.20E-07
9,659	6.64E-08	5.41E-07	1.20E-06	4.99E-08	4.16E-07	9.27E-07	3.12E-08	2.65E-07	5.93E-07	3.19E-08	2.84E-07	6.23E-07	3.68E-08	3.10E-07	6.95E-07	3.90E-08	3.17E-07	7.19E-07	3.19E-08	2.77E-07	6.18E-07
9,660	6.62E-08	5.41E-07	1.20E-06	4.96E-08	4.15E-07	9.26E-07	3.12E-08	2.65E-07	5.93E-07	3.19E-08	2.84E-07	6.21E-07	3.68E-08	3.09E-07	6.95E-07	3.90E-08	3.17E-07	7.19E-07	3.18E-08	2.77E-07	6.17E-07
9,661	6.62E-08	5.40E-07	1.20E-06	4.96E-08	4.14E-07	9.23E-07	3.11E-08	2.64E-07	5.92E-07	3.17E-08	2.84E-07	6.19E-07	3.65E-08	3.09E-07	6.94E-07	3.90E-08	3.17E-07	7.18E-07	3.18E-08	2.76E-07	6.17E-07
9,662	6.60E-08	5.40E-07	1.20E-06	4.96E-08	4.14E-07	9.23E-07	3.10E-08	2.64E-07	5.91E-07	3.16E-08	2.84E-07	6.16E-07	3.65E-08	3.08E-07	6.93E-07	3.88E-08	3.17E-07	7.16E-07	3.18E-08	2.76E-07	6.16E-07
9,663	6.59E-08	5.38E-07	1.19E-06	4.96E-08	4.14E-07	9.22E-07	3.10E-08	2.64E-07	5.91E-07	3.15E-08	2.84E-07	6.16E-07	3.65E-08	3.08E-07	6.93E-07	3.87E-08	3.17E-07	7.16E-07	3.18E-08	2.76E-07	6.14E-07
9,664	6.55E-08	5.38E-07	1.19E-06	4.95E-08	4.13E-07	9.22E-07	3.10E-08	2.64E-07	5.90E-07	3.14E-08	2.83E-07	6.15E-07	3.64E-08	3.08E-07	6.93E-07	3.87E-08	3.16E-07	7.15E-07	3.17E-08	2.76E-07	6.14E-07
9,665	6.55E-08	5.38E-07	1.19E-06	4.95E-08	4.13E-07	9.21E-07	3.09E-08	2.64E-07	5.90E-07	3.13E-08	2.82E-07	6.15E-07	3.63E-08	3.07E-07	6.93E-07	3.86E-08	3.15E-07	7.14E-07	3.16E-08	2.75E-07	6.13E-07
9,666	6.55E-08	5.35E-07	1.19E-06	4.93E-08	4.11E-07	9.20E-07	3.08E-08	2.63E-07	5.90E-07	3.12E-08	2.82E-07	6.14E-07	3.63E-08	3.07E-07	6.92E-07	3.86E-08	3.14E-07	7.14E-07	3.16E-08	2.75E-07	6.12E-07
9,667	6.54E-08	5.33E-07	1.19E-06	4.91E-08	4.09E-07	9.20E-07	3.08E-08	2.63E-07	5.90E-07	3.12E-08	2.82E-07	6.14E-07	3.62E-08	3.06E-07	6.91E-07	3.85E-08	3.14E-07	7.12E-07	3.16E-08	2.74E-07	6.12E-07
9,668	6.52E-08	5.33E-07	1.18E-06	4.91E-08	4.09E-07	9.19E-07	3.08E-08	2.63E-07	5.88E-07	3.10E-08	2.82E-07	6.14E-07	3.61E-08	3.05E-07	6.91E-07	3.85E-08	3.14E-07	7.09E-07	3.16E-08	2.74E-07	6.11E-07
9,669	6.52E-08	5.32E-07	1.18E-06	4.91E-08	4.08E-07	9.19E-07	3.07E-08	2.62E-07	5.88E-07	3.10E-08	2.81E-07	6.12E-07	3.61E-08	3.04E-07	6.89E-07	3.84E-08	3.14E-07	7.08E-07	3.16E-08	2.73E-07	6.11E-07
9,670	6.51E-08	5.31E-07	1.18E-06	4.90E-08	4.07E-07	9.14E-07	3.06E-08	2.62E-07	5.87E-07	3.10E-08	2.81E-07	6.12E-07	3.61E-08	3.04E-07	6.89E-07	3.84E-08	3.13E-07	7.08E-07	3.15E-08	2.72E-07	6.10E-07
9,671	6.50E-08	5.30E-07	1.18E-06	4.88E-08	4.07E-07	9.12E-07	3.06E-08	2.62E-07	5.85E-07	3.09E-08	2.81E-07	6.11E-07	3.61E-08	3.04E-07	6.86E-07	3.82E-08	3.13E-07	7.06E-07	3.14E-08	2.71E-07	6.10E-07
9,672	6.49E-08	5.28E-07	1.18E-06	4.87E-08	4.06E-07	9.10E-07	3.05E-08	2.61E-07	5.85E-07	3.09E-08	2.79E-07	6.10E-07	3.58E-08	3.02E-07	6.85E-07	3.82E-08	3.12E-07	7.06E-07	3.13E-08	2.71E-07	6.10E-07
9,673	6.46E-08	5.27E-07	1.18E-06	4.87E-08	4.04E-07	9.09E-07	3.05E-08	2.61E-07	5.84E-07	3.09E-08	2.79E-07	6.08E-07	3.58E-08	3.02E-07	6.84E-07	3.81E-08	3.12E-07	7.06E-07	3.13E-08	2.71E-07	6.10E-07
9,674	6.46E-08	5.26E-07	1.17E-06	4.87E-08	4.04E-07	9.07E-07	3.04E-08	2.60E-07	5.83E-07	3.09E-08	2.79E-07	6.06E-07	3.58E-08	3.02E-07	6.83E-07	3.81E-08	3.12E-07	7.05E-07	3.12E-08	2.70E-07	6.09E-07
9,675	6.43E-08	5.25E-07	1.17E-06	4.87E-08	4.04E-07	9.06E-07	3.03E-08	2.59E-07	5.83E-07	3.09E-08	2.78E-07	6.06E-07	3.58E-08	3.01E-07	6.83E-07	3.79E-08	3.11E-07	7.05E-07	3.12E-08	2.70E-07	6.08E-07
9,676	6.42E-08	5.25E-07	1.16E-06	4.86E-08	4.03E-07	9.06E-07	3.03E-08	2.58E-07	5.82E-07	3.08E-08	2.78E-07	6.06E-07	3.58E-08	3.01E-07	6.83E-07	3.79E-08	3.11E-07	7.02E-07	3.11E-08	2.70E-07	6.07E-07
9,677	6.42E-08	5.23E-07	1.16E-06	4.85E-08	4.03E-07	9.06E-07	3.03E-08	2.58E-07	5.82E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,712	5.97E-08	4.96E-07	1.09E-06	4.59E-08	3.79E-07	8.64E-07	2.84E-08	2.38E-07	5.55E-07	2.92E-08	2.66E-07	5.69E-07	3.40E-08	2.85E-07	6.48E-07	3.53E-08	2.93E-07	6.60E-07	2.97E-08	2.50E-07	5.72E-07
9,713	5.92E-08	4.96E-07	1.08E-06	4.57E-08	3.77E-07	8.62E-07	2.84E-08	2.37E-07	5.54E-07	2.90E-08	2.66E-07	5.68E-07	3.38E-08	2.85E-07	6.44E-07	3.52E-08	2.92E-07	6.60E-07	2.95E-08	2.50E-07	5.70E-07
9,714	5.91E-08	4.94E-07	1.08E-06	4.56E-08	3.76E-07	8.60E-07	2.83E-08	2.37E-07	5.53E-07	2.90E-08	2.66E-07	5.68E-07	3.37E-08	2.84E-07	6.44E-07	3.52E-08	2.92E-07	6.58E-07	2.95E-08	2.50E-07	5.69E-07
9,715	5.88E-08	4.93E-07	1.08E-06	4.55E-08	3.76E-07	8.60E-07	2.82E-08	2.36E-07	5.52E-07	2.90E-08	2.65E-07	5.66E-07	3.37E-08	2.84E-07	6.44E-07	3.51E-08	2.92E-07	6.58E-07	2.95E-08	2.50E-07	5.68E-07
9,716	5.88E-08	4.91E-07	1.08E-06	4.52E-08	3.76E-07	8.59E-07	2.82E-08	2.36E-07	5.51E-07	2.89E-08	2.65E-07	5.66E-07	3.36E-08	2.84E-07	6.41E-07	3.51E-08	2.91E-07	6.58E-07	2.95E-08	2.50E-07	5.66E-07
9,717	5.87E-08	4.91E-07	1.08E-06	4.52E-08	3.76E-07	8.57E-07	2.82E-08	2.35E-07	5.49E-07	2.89E-08	2.65E-07	5.66E-07	3.36E-08	2.84E-07	6.39E-07	3.51E-08	2.91E-07	6.57E-07	2.95E-08	2.49E-07	5.66E-07
9,718	5.87E-08	4.90E-07	1.08E-06	4.51E-08	3.75E-07	8.50E-07	2.82E-08	2.34E-07	5.49E-07	2.89E-08	2.65E-07	5.64E-07	3.35E-08	2.83E-07	6.39E-07	3.51E-08	2.90E-07	6.57E-07	2.93E-08	2.49E-07	5.64E-07
9,719	5.87E-08	4.90E-07	1.08E-06	4.49E-08	3.75E-07	8.49E-07	2.80E-08	2.33E-07	5.48E-07	2.88E-08	2.64E-07	5.64E-07	3.35E-08	2.83E-07	6.38E-07	3.50E-08	2.90E-07	6.56E-07	2.93E-08	2.49E-07	5.64E-07
9,720	5.86E-08	4.90E-07	1.07E-06	4.47E-08	3.75E-07	8.49E-07	2.80E-08	2.32E-07	5.46E-07	2.87E-08	2.63E-07	5.64E-07	3.34E-08	2.81E-07	6.37E-07	3.50E-08	2.90E-07	6.55E-07	2.91E-08	2.48E-07	5.64E-07
9,721	5.86E-08	4.89E-07	1.07E-06	4.46E-08	3.75E-07	8.48E-07	2.77E-08	2.32E-07	5.44E-07	2.87E-08	2.63E-07	5.62E-07	3.34E-08	2.81E-07	6.37E-07	3.50E-08	2.89E-07	6.55E-07	2.91E-08	2.46E-07	5.63E-07
9,722	5.86E-08	4.88E-07	1.07E-06	4.46E-08	3.74E-07	8.42E-07	2.76E-08	2.31E-07	5.42E-07	2.87E-08	2.63E-07	5.60E-07	3.34E-08	2.81E-07	6.35E-07	3.49E-08	2.88E-07	6.55E-07	2.91E-08	2.46E-07	5.63E-07
9,723	5.85E-08	4.88E-07	1.07E-06	4.46E-08	3.74E-07	8.39E-07	2.74E-08	2.31E-07	5.40E-07	2.86E-08	2.63E-07	5.60E-07	3.33E-08	2.81E-07	6.35E-07	3.47E-08	2.88E-07	6.55E-07	2.91E-08	2.45E-07	5.62E-07
9,724	5.84E-08	4.88E-07	1.07E-06	4.45E-08	3.73E-07	8.38E-07	2.74E-08	2.31E-07	5.39E-07	2.86E-08	2.61E-07	5.60E-07	3.32E-08	2.80E-07	6.33E-07	3.44E-08	2.87E-07	6.54E-07	2.89E-08	2.45E-07	5.61E-07
9,725	5.83E-08	4.88E-07	1.07E-06	4.45E-08	3.72E-07	8.36E-07	2.73E-08	2.30E-07	5.39E-07	2.86E-08	2.60E-07	5.60E-07	3.32E-08	2.80E-07	6.32E-07	3.44E-08	2.87E-07	6.53E-07	2.89E-08	2.44E-07	5.60E-07
9,726	5.80E-08	4.87E-07	1.06E-06	4.44E-08	3.72E-07	8.33E-07	2.73E-08	2.30E-07	5.37E-07	2.84E-08	2.60E-07	5.59E-07	3.31E-08	2.79E-07	6.30E-07	3.43E-08	2.86E-07	6.53E-07	2.89E-08	2.44E-07	5.60E-07
9,727	5.80E-08	4.87E-07	1.06E-06	4.43E-08	3.71E-07	8.30E-07	2.72E-08	2.29E-07	5.36E-07	2.84E-08	2.59E-07	5.59E-07	3.31E-08	2.79E-07	6.27E-07	3.42E-08	2.86E-07	6.52E-07	2.89E-08	2.43E-07	5.59E-07
9,728	5.79E-08	4.84E-07	1.06E-06	4.42E-08	3.71E-07	8.30E-07	2.72E-08	2.29E-07	5.35E-07	2.84E-08	2.59E-07	5.59E-07	3.31E-08	2.78E-07	6.27E-07	3.41E-08	2.86E-07	6.52E-07	2.88E-08	2.43E-07	5.58E-07
9,729	5.78E-08	4.83E-07	1.06E-06	4.42E-08	3.70E-07	8.29E-07	2.72E-08	2.29E-07	5.35E-07	2.83E-08	2.59E-07	5.59E-07	3.30E-08	2.78E-07	6.27E-07	3.40E-08	2.86E-07	6.52E-07	2.87E-08	2.43E-07	5.58E-07
9,730	5.78E-08	4.83E-07	1.06E-06	4.41E-08	3.69E-07	8.25E-07	2.72E-08	2.29E-07	5.35E-07	2.82E-08	2.59E-07	5.58E-07	3.29E-08	2.78E-07	6.26E-07	3.40E-08	2.85E-07	6.50E-07	2.87E-08	2.42E-07	5.58E-07
9,731	5.78E-08	4.83E-07	1.06E-06	4.41E-08	3.68E-07	8.18E-07	2.71E-08	2.28E-07	5.34E-07	2.82E-08	2.57E-07	5.58E-07	3.29E-08	2.77E-07	6.24E-07	3.39E-08	2.85E-07	6.47E-07	2.87E-08	2.42E-07	5.57E-07
9,732	5.72E-08	4.83E-07	1.06E-06	4.38E-08	3.68E-07	8.16E-07	2.71E-08	2.28E-07	5.33E-07	2.82E-08	2.57E-07	5.57E-07	3.28E-08	2.77E-07	6.24E-07	3.39E-08	2.85E-07	6.45E-07	2.86E-08	2.42E-07	5.57E-07
9,733	5.72E-08	4.81E-07	1.06E-06	4.35E-08	3.68E-07	8.16E-07	2.70E-08	2.27E-07	5.30E-07	2.81E-08	2.56E-07	5.57E-07	3.27E-08	2.77E-07	6.22E-07	3.38E-08	2.85E-07	6.45E-07	2.85E-08	2.41E-07	5.57E-07
9,734	5.71E-08	4.80E-07	1.06E-06	4.34E-08	3.67E-07	8.15E-07	2.70E-08	2.27E-07	5.30E-07	2.81E-08	2.56E-07	5.57E-07	3.27E-08	2.77E-07	6.21E-07	3.38E-08	2.85E-07	6.45E-07	2.85E-08	2.41E-07	5.56E-07
9,735	5.69E-08	4.80E-07	1.05E-06	4.34E-08	3.66E-07	8.14E-07	2.69E-08	2.27E-07	5.30E-07	2.81E-08	2.56E-07	5.56E-07	3.26E-08	2.77E-07	6.21E-07	3.38E-08	2.84E-07	6.43E-07	2.84E-08	2.41E-07	5.53E-07
9,736	5.68E-08	4.80E-07	1.05E-06	4.33E-08	3.65E-07	8.12E-07	2.68E-08	2.27E-07	5.30E-07	2.81E-08	2.56E-07	5.56E-07	3.26E-08	2.77E-07	6.18E-07	3.37E-08	2.83E-07	6.42E-07	2.84E-08	2.40E-07	5.49E-07
9,737	5.68E-08	4.80E-07	1.05E-06	4.28E-08	3.64E-07	8.07E-07	2.68E-08	2.25E-07	5.28E-07	2.80E-08	2.55E-07	5.55E-07	3.25E-08	2.76E-07	6.18E-07	3.37E-08	2.83E-07	6.41E-07	2.83E-08	2.40E-07	5.47E-07
9,738	5.67E-08	4.75E-07	1.05E-06	4.26E-08	3.64E-07	8.05E-07	2.68E-08	2.25E-07	5.27E-07	2.79E-08	2.55E-07	5.55E-07	3.25E-08	2.75E-07	6.18E-07	3.37E-08	2.81E-07	6.41E-07	2.82E-08	2.39E-07	5.45E-07
9,739	5.67E-08	4.74E-07	1.05E-06	4.25E-08	3.61E-07	8.03E-07	2.68E-08	2.25E-07	5.27E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,774	5.37E-08	4.42E-07	9.69E-07	3.92E-08	3.35E-07	7.42E-07	2.53E-08	2.12E-07	5.00E-07	2.58E-08	2.41E-07	5.13E-07	3.02E-08	2.57E-07	5.80E-07	3.11E-08	2.63E-07	5.96E-07	2.60E-08	2.26E-07	5.12E-07
9,775	5.36E-08	4.42E-07	9.69E-07	3.91E-08	3.34E-07	7.42E-07	2.52E-08	2.11E-07	4.99E-07	2.57E-08	2.41E-07	5.13E-07	3.01E-08	2.57E-07	5.80E-07	3.10E-08	2.61E-07	5.96E-07	2.60E-08	2.25E-07	5.10E-07
9,776	5.35E-08	4.41E-07	9.68E-07	3.90E-08	3.33E-07	7.39E-07	2.52E-08	2.10E-07	4.97E-07	2.56E-08	2.41E-07	5.12E-07	3.00E-08	2.56E-07	5.79E-07	3.10E-08	2.60E-07	5.93E-07	2.59E-08	2.25E-07	5.09E-07
9,777	5.31E-08	4.40E-07	9.67E-07	3.89E-08	3.33E-07	7.38E-07	2.51E-08	2.10E-07	4.97E-07	2.56E-08	2.41E-07	5.12E-07	2.99E-08	2.56E-07	5.75E-07	3.10E-08	2.60E-07	5.92E-07	2.59E-08	2.24E-07	5.09E-07
9,778	5.31E-08	4.39E-07	9.67E-07	3.88E-08	3.32E-07	7.37E-07	2.50E-08	2.10E-07	4.97E-07	2.55E-08	2.41E-07	5.12E-07	2.99E-08	2.56E-07	5.75E-07	3.09E-08	2.60E-07	5.91E-07	2.59E-08	2.24E-07	5.07E-07
9,779	5.30E-08	4.37E-07	9.66E-07	3.87E-08	3.32E-07	7.32E-07	2.50E-08	2.10E-07	4.94E-07	2.55E-08	2.40E-07	5.10E-07	2.98E-08	2.56E-07	5.75E-07	3.09E-08	2.59E-07	5.89E-07	2.58E-08	2.24E-07	5.06E-07
9,780	5.29E-08	4.36E-07	9.63E-07	3.87E-08	3.32E-07	7.31E-07	2.48E-08	2.10E-07	4.93E-07	2.55E-08	2.40E-07	5.10E-07	2.97E-08	2.55E-07	5.74E-07	3.09E-08	2.59E-07	5.88E-07	2.58E-08	2.23E-07	5.05E-07
9,781	5.19E-08	4.35E-07	9.63E-07	3.85E-08	3.30E-07	7.31E-07	2.48E-08	2.09E-07	4.93E-07	2.53E-08	2.38E-07	5.10E-07	2.97E-08	2.55E-07	5.73E-07	3.08E-08	2.59E-07	5.88E-07	2.57E-08	2.23E-07	5.02E-07
9,782	5.18E-08	4.34E-07	9.62E-07	3.84E-08	3.29E-07	7.30E-07	2.48E-08	2.09E-07	4.92E-07	2.52E-08	2.38E-07	5.10E-07	2.96E-08	2.55E-07	5.72E-07	3.05E-08	2.58E-07	5.86E-07	2.56E-08	2.23E-07	5.01E-07
9,783	5.16E-08	4.33E-07	9.58E-07	3.84E-08	3.28E-07	7.26E-07	2.47E-08	2.08E-07	4.90E-07	2.52E-08	2.37E-07	5.10E-07	2.95E-08	2.54E-07	5.72E-07	3.05E-08	2.57E-07	5.86E-07	2.56E-08	2.23E-07	4.98E-07
9,784	5.15E-08	4.33E-07	9.57E-07	3.83E-08	3.27E-07	7.25E-07	2.46E-08	2.08E-07	4.90E-07	2.51E-08	2.37E-07	5.10E-07	2.95E-08	2.53E-07	5.72E-07	3.04E-08	2.56E-07	5.86E-07	2.55E-08	2.23E-07	4.97E-07
9,785	5.15E-08	4.33E-07	9.55E-07	3.83E-08	3.25E-07	7.23E-07	2.46E-08	2.08E-07	4.89E-07	2.51E-08	2.37E-07	5.09E-07	2.94E-08	2.53E-07	5.71E-07	3.03E-08	2.54E-07	5.85E-07	2.55E-08	2.23E-07	4.96E-07
9,786	5.12E-08	4.33E-07	9.54E-07	3.82E-08	3.25E-07	7.20E-07	2.46E-08	2.08E-07	4.88E-07	2.50E-08	2.37E-07	5.08E-07	2.94E-08	2.53E-07	5.67E-07	3.02E-08	2.53E-07	5.85E-07	2.53E-08	2.22E-07	4.95E-07
9,787	5.11E-08	4.32E-07	9.50E-07	3.81E-08	3.25E-07	7.18E-07	2.46E-08	2.07E-07	4.87E-07	2.50E-08	2.37E-07	5.08E-07	2.93E-08	2.52E-07	5.67E-07	3.02E-08	2.53E-07	5.83E-07	2.53E-08	2.22E-07	4.93E-07
9,788	5.11E-08	4.31E-07	9.49E-07	3.81E-08	3.24E-07	7.14E-07	2.45E-08	2.07E-07	4.87E-07	2.49E-08	2.36E-07	5.08E-07	2.93E-08	2.50E-07	5.66E-07	3.01E-08	2.53E-07	5.83E-07	2.52E-08	2.22E-07	4.92E-07
9,789	5.10E-08	4.30E-07	9.46E-07	3.80E-08	3.24E-07	7.12E-07	2.45E-08	2.07E-07	4.86E-07	2.49E-08	2.35E-07	5.05E-07	2.93E-08	2.50E-07	5.65E-07	3.00E-08	2.52E-07	5.82E-07	2.52E-08	2.22E-07	4.92E-07
9,790	5.10E-08	4.22E-07	9.46E-07	3.80E-08	3.22E-07	7.11E-07	2.45E-08	2.06E-07	4.85E-07	2.49E-08	2.35E-07	5.03E-07	2.92E-08	2.50E-07	5.65E-07	3.00E-08	2.52E-07	5.81E-07	2.50E-08	2.21E-07	4.87E-07
9,791	5.10E-08	4.21E-07	9.42E-07	3.79E-08	3.21E-07	7.11E-07	2.44E-08	2.06E-07	4.85E-07	2.48E-08	2.34E-07	5.02E-07	2.92E-08	2.48E-07	5.65E-07	3.00E-08	2.51E-07	5.81E-07	2.49E-08	2.21E-07	4.86E-07
9,792	5.09E-08	4.18E-07	9.38E-07	3.79E-08	3.21E-07	7.09E-07	2.44E-08	2.05E-07	4.85E-07	2.48E-08	2.33E-07	5.00E-07	2.91E-08	2.48E-07	5.64E-07	3.00E-08	2.51E-07	5.80E-07	2.48E-08	2.21E-07	4.85E-07
9,793	5.09E-08	4.17E-07	9.38E-07	3.78E-08	3.20E-07	7.09E-07	2.43E-08	2.05E-07	4.83E-07	2.48E-08	2.32E-07	4.99E-07	2.90E-08	2.47E-07	5.62E-07	3.00E-08	2.50E-07	5.80E-07	2.47E-08	2.21E-07	4.85E-07
9,794	5.07E-08	4.17E-07	9.37E-07	3.78E-08	3.19E-07	7.08E-07	2.43E-08	2.05E-07	4.82E-07	2.47E-08	2.32E-07	4.97E-07	2.89E-08	2.47E-07	5.61E-07	2.99E-08	2.50E-07	5.80E-07	2.47E-08	2.19E-07	4.85E-07
9,795	5.07E-08	4.17E-07	9.37E-07	3.78E-08	3.19E-07	7.07E-07	2.42E-08	2.04E-07	4.79E-07	2.43E-08	2.32E-07	4.97E-07	2.88E-08	2.47E-07	5.61E-07	2.99E-08	2.50E-07	5.79E-07	2.46E-08	2.19E-07	4.84E-07
9,796	5.05E-08	4.12E-07	9.34E-07	3.76E-08	3.18E-07	7.07E-07	2.42E-08	2.04E-07	4.78E-07	2.43E-08	2.32E-07	4.96E-07	2.87E-08	2.47E-07	5.56E-07	2.98E-08	2.49E-07	5.79E-07	2.46E-08	2.19E-07	4.83E-07
9,797	5.05E-08	4.11E-07	9.32E-07	3.75E-08	3.18E-07	7.06E-07	2.41E-08	2.04E-07	4.75E-07	2.42E-08	2.31E-07	4.96E-07	2.87E-08	2.47E-07	5.56E-07	2.96E-08	2.48E-07	5.78E-07	2.46E-08	2.18E-07	4.82E-07
9,798	5.04E-08	4.11E-07	9.28E-07	3.73E-08	3.17E-07	7.06E-07	2.40E-08	2.03E-07	4.75E-07	2.42E-08	2.31E-07	4.94E-07	2.86E-08	2.46E-07	5.54E-07	2.96E-08	2.48E-07	5.78E-07	2.46E-08	2.18E-07	4.81E-07
9,799	5.01E-08	4.11E-07	9.28E-07	3.72E-08	3.17E-07	7.04E-07	2.39E-08	2.03E-07	4.71E-07	2.42E-08	2.31E-07	4.93E-07	2.86E-08	2.45E-07	5.54E-07	2.95E-08	2.47E-07	5.74E-07	2.45E-08	2.17E-07	4.80E-07
9,800	5.01E-08	4.10E-07	9.26E-07	3.71E-08	3.16E-07	7.03E-07	2.39E-08	2.02E-07	4.70E-07	2.41E-08	2.31E-07	4.92E-07	2.85E-08	2.45E-07	5.54E-07	2.95E-08	2.47E-07	5.74E-07	2.44E-08	2.17E-07	4.79E-07
9,801	4.97E-08	4.10E-07	9.25E-07	3.70E-08	3.14E-07	7.02E-07	2.39E-08	2.02E-07	4.70E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,836	4.54E-08	3.78E-07	8.57E-07	3.39E-08	2.89E-07	6.47E-07	2.19E-08	1.89E-07	4.34E-07	2.17E-08	2.13E-07	4.59E-07	2.54E-08	2.27E-07	5.19E-07	2.71E-08	2.24E-07	5.21E-07	2.18E-08	1.96E-07	4.41E-07
9,837	4.54E-08	3.76E-07	8.54E-07	3.38E-08	2.88E-07	6.39E-07	2.18E-08	1.88E-07	4.34E-07	2.16E-08	2.13E-07	4.58E-07	2.54E-08	2.26E-07	5.16E-07	2.69E-08	2.24E-07	5.20E-07	2.18E-08	1.95E-07	4.39E-07
9,838	4.53E-08	3.76E-07	8.52E-07	3.38E-08	2.88E-07	6.37E-07	2.18E-08	1.87E-07	4.33E-07	2.16E-08	2.13E-07	4.58E-07	2.53E-08	2.26E-07	5.13E-07	2.68E-08	2.23E-07	5.19E-07	2.17E-08	1.95E-07	4.39E-07
9,839	4.53E-08	3.75E-07	8.46E-07	3.33E-08	2.87E-07	6.32E-07	2.17E-08	1.86E-07	4.33E-07	2.16E-08	2.13E-07	4.58E-07	2.53E-08	2.25E-07	5.09E-07	2.66E-08	2.23E-07	5.13E-07	2.17E-08	1.94E-07	4.38E-07
9,840	4.50E-08	3.72E-07	8.43E-07	3.33E-08	2.87E-07	6.31E-07	2.17E-08	1.86E-07	4.32E-07	2.16E-08	2.10E-07	4.56E-07	2.53E-08	2.24E-07	5.09E-07	2.64E-08	2.23E-07	5.12E-07	2.16E-08	1.94E-07	4.37E-07
9,841	4.49E-08	3.72E-07	8.42E-07	3.33E-08	2.86E-07	6.30E-07	2.16E-08	1.86E-07	4.32E-07	2.15E-08	2.10E-07	4.55E-07	2.52E-08	2.24E-07	5.08E-07	2.62E-08	2.22E-07	5.09E-07	2.16E-08	1.94E-07	4.37E-07
9,842	4.48E-08	3.70E-07	8.39E-07	3.32E-08	2.86E-07	6.30E-07	2.16E-08	1.86E-07	4.30E-07	2.15E-08	2.10E-07	4.55E-07	2.51E-08	2.23E-07	5.07E-07	2.59E-08	2.21E-07	5.08E-07	2.16E-08	1.94E-07	4.36E-07
9,843	4.45E-08	3.69E-07	8.38E-07	3.32E-08	2.86E-07	6.27E-07	2.16E-08	1.85E-07	4.30E-07	2.14E-08	2.09E-07	4.55E-07	2.51E-08	2.22E-07	5.07E-07	2.59E-08	2.20E-07	5.08E-07	2.15E-08	1.93E-07	4.36E-07
9,844	4.44E-08	3.69E-07	8.35E-07	3.31E-08	2.84E-07	6.22E-07	2.15E-08	1.85E-07	4.29E-07	2.14E-08	2.09E-07	4.53E-07	2.51E-08	2.21E-07	5.04E-07	2.59E-08	2.18E-07	5.07E-07	2.15E-08	1.93E-07	4.34E-07
9,845	4.42E-08	3.66E-07	8.35E-07	3.31E-08	2.82E-07	6.21E-07	2.14E-08	1.85E-07	4.29E-07	2.14E-08	2.08E-07	4.53E-07	2.50E-08	2.21E-07	5.02E-07	2.58E-08	2.17E-07	5.05E-07	2.14E-08	1.93E-07	4.33E-07
9,846	4.42E-08	3.66E-07	8.28E-07	3.30E-08	2.82E-07	6.19E-07	2.13E-08	1.84E-07	4.28E-07	2.14E-08	2.08E-07	4.52E-07	2.50E-08	2.21E-07	4.99E-07	2.58E-08	2.17E-07	5.05E-07	2.14E-08	1.92E-07	4.31E-07
9,847	4.41E-08	3.65E-07	8.26E-07	3.29E-08	2.81E-07	6.18E-07	2.13E-08	1.84E-07	4.27E-07	2.13E-08	2.07E-07	4.50E-07	2.50E-08	2.21E-07	4.94E-07	2.57E-08	2.17E-07	5.05E-07	2.12E-08	1.92E-07	4.30E-07
9,848	4.41E-08	3.64E-07	8.26E-07	3.29E-08	2.79E-07	6.16E-07	2.13E-08	1.84E-07	4.27E-07	2.13E-08	2.07E-07	4.49E-07	2.49E-08	2.20E-07	4.94E-07	2.56E-08	2.16E-07	5.03E-07	2.10E-08	1.90E-07	4.30E-07
9,849	4.40E-08	3.63E-07	8.23E-07	3.28E-08	2.77E-07	6.16E-07	2.12E-08	1.84E-07	4.25E-07	2.09E-08	2.06E-07	4.48E-07	2.49E-08	2.20E-07	4.94E-07	2.55E-08	2.15E-07	5.02E-07	2.10E-08	1.90E-07	4.30E-07
9,850	4.37E-08	3.62E-07	8.22E-07	3.27E-08	2.76E-07	6.14E-07	2.11E-08	1.84E-07	4.25E-07	2.09E-08	2.06E-07	4.48E-07	2.49E-08	2.20E-07	4.92E-07	2.54E-08	2.15E-07	5.01E-07	2.09E-08	1.90E-07	4.28E-07
9,851	4.36E-08	3.60E-07	8.21E-07	3.27E-08	2.76E-07	6.11E-07	2.10E-08	1.84E-07	4.24E-07	2.06E-08	2.04E-07	4.47E-07	2.48E-08	2.18E-07	4.91E-07	2.54E-08	2.15E-07	4.99E-07	2.09E-08	1.89E-07	4.27E-07
9,852	4.35E-08	3.59E-07	8.15E-07	3.23E-08	2.73E-07	6.08E-07	2.10E-08	1.84E-07	4.24E-07	2.06E-08	2.01E-07	4.45E-07	2.48E-08	2.18E-07	4.89E-07	2.53E-08	2.15E-07	4.97E-07	2.08E-08	1.89E-07	4.23E-07
9,853	4.34E-08	3.59E-07	8.10E-07	3.22E-08	2.71E-07	6.07E-07	2.09E-08	1.84E-07	4.24E-07	2.06E-08	2.01E-07	4.45E-07	2.46E-08	2.18E-07	4.86E-07	2.51E-08	2.14E-07	4.93E-07	2.08E-08	1.89E-07	4.22E-07
9,854	4.34E-08	3.58E-07	8.08E-07	3.21E-08	2.71E-07	6.07E-07	2.08E-08	1.83E-07	4.23E-07	2.05E-08	2.01E-07	4.43E-07	2.46E-08	2.17E-07	4.85E-07	2.48E-08	2.13E-07	4.92E-07	2.07E-08	1.89E-07	4.19E-07
9,855	4.33E-08	3.58E-07	8.07E-07	3.18E-08	2.71E-07	6.03E-07	2.08E-08	1.83E-07	4.23E-07	2.04E-08	2.00E-07	4.43E-07	2.46E-08	2.17E-07	4.84E-07	2.47E-08	2.13E-07	4.89E-07	2.06E-08	1.89E-07	4.19E-07
9,856	4.32E-08	3.58E-07	8.07E-07	3.17E-08	2.69E-07	6.00E-07	2.07E-08	1.82E-07	4.22E-07	2.04E-08	1.99E-07	4.42E-07	2.46E-08	2.16E-07	4.82E-07	2.44E-08	2.12E-07	4.87E-07	2.05E-08	1.87E-07	4.18E-07
9,857	4.32E-08	3.51E-07	8.05E-07	3.15E-08	2.69E-07	5.96E-07	2.07E-08	1.81E-07	4.22E-07	2.04E-08	1.99E-07	4.42E-07	2.44E-08	2.16E-07	4.81E-07	2.44E-08	2.11E-07	4.87E-07	2.05E-08	1.86E-07	4.17E-07
9,858	4.31E-08	3.48E-07	8.01E-07	3.14E-08	2.69E-07	5.96E-07	2.07E-08	1.81E-07	4.21E-07	2.03E-08	1.98E-07	4.42E-07	2.44E-08	2.15E-07	4.79E-07	2.43E-08	2.10E-07	4.86E-07	2.04E-08	1.86E-07	4.16E-07
9,859	4.25E-08	3.47E-07	7.98E-07	3.14E-08	2.69E-07	5.95E-07	2.07E-08	1.80E-07	4.20E-07	2.03E-08	1.98E-07	4.41E-07	2.44E-08	2.15E-07	4.78E-07	2.40E-08	2.10E-07	4.86E-07	2.04E-08	1.86E-07	4.16E-07
9,860	4.24E-08	3.44E-07	7.96E-07	3.13E-08	2.68E-07	5.89E-07	2.06E-08	1.79E-07	4.20E-07	2.02E-08	1.98E-07	4.38E-07	2.43E-08	2.14E-07	4.77E-07	2.40E-08	2.10E-07	4.83E-07	2.03E-08	1.86E-07	4.15E-07
9,861	4.22E-08	3.44E-07	7.96E-07	3.12E-08	2.68E-07	5.89E-07	2.04E-08	1.79E-07	4.19E-07	2.01E-08	1.97E-07	4.34E-07	2.43E-08	2.14E-07	4.75E-07	2.40E-08	2.09E-07	4.80E-07	2.03E-08	1.86E-07	4.14E-07
9,862	4.22E-08	3.43E-07	7.95E-07	3.12E-08	2.68E-07	5.88E-07	2.03E-08	1.79E-07	4.18E-07	2.01E-08	1.97E-07	4.33E-07	2.42E-08	2.12E-07	4.74E-07	2.40E-08	2.09E-07	4.78E-07	2.01E-08	1.85E-07	4.12E-07
9,863	4.21E-08	3.42E-07	7.93E-07	3.08E-08	2.67E-07	5.86E-07	2.02E-08	1.78E-07	4.14E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,898	3.61E-08	3.03E-07	7.13E-07	2.62E-08	2.32E-07	5.20E-07	1.82E-08	1.61E-07	3.75E-07	1.78E-08	1.75E-07	3.95E-07	2.10E-08	1.87E-07	4.19E-07	2.13E-08	1.89E-07	4.28E-07	1.72E-08	1.69E-07	3.68E-07
9,899	3.61E-08	3.02E-07	7.06E-07	2.61E-08	2.31E-07	5.19E-07	1.82E-08	1.60E-07	3.75E-07	1.77E-08	1.75E-07	3.92E-07	2.09E-08	1.87E-07	4.19E-07	2.12E-08	1.89E-07	4.25E-07	1.71E-08	1.69E-07	3.67E-07
9,900	3.56E-08	3.00E-07	6.97E-07	2.60E-08	2.31E-07	5.14E-07	1.81E-08	1.60E-07	3.73E-07	1.76E-08	1.74E-07	3.90E-07	2.08E-08	1.86E-07	4.19E-07	2.12E-08	1.89E-07	4.24E-07	1.70E-08	1.68E-07	3.65E-07
9,901	3.55E-08	2.98E-07	6.96E-07	2.60E-08	2.31E-07	5.11E-07	1.80E-08	1.58E-07	3.73E-07	1.75E-08	1.72E-07	3.90E-07	2.04E-08	1.86E-07	4.18E-07	2.09E-08	1.89E-07	4.24E-07	1.68E-08	1.68E-07	3.64E-07
9,902	3.52E-08	2.96E-07	6.88E-07	2.60E-08	2.31E-07	5.11E-07	1.80E-08	1.58E-07	3.72E-07	1.73E-08	1.72E-07	3.84E-07	2.04E-08	1.84E-07	4.18E-07	2.09E-08	1.88E-07	4.22E-07	1.68E-08	1.67E-07	3.64E-07
9,903	3.50E-08	2.94E-07	6.88E-07	2.58E-08	2.30E-07	5.09E-07	1.80E-08	1.58E-07	3.70E-07	1.73E-08	1.71E-07	3.82E-07	2.04E-08	1.84E-07	4.18E-07	2.09E-08	1.88E-07	4.20E-07	1.67E-08	1.67E-07	3.61E-07
9,904	3.49E-08	2.94E-07	6.86E-07	2.58E-08	2.30E-07	5.08E-07	1.80E-08	1.58E-07	3.70E-07	1.73E-08	1.70E-07	3.81E-07	2.04E-08	1.84E-07	4.16E-07	2.06E-08	1.87E-07	4.18E-07	1.67E-08	1.66E-07	3.60E-07
9,905	3.48E-08	2.94E-07	6.82E-07	2.58E-08	2.26E-07	5.08E-07	1.79E-08	1.57E-07	3.68E-07	1.71E-08	1.70E-07	3.81E-07	2.03E-08	1.84E-07	4.16E-07	2.04E-08	1.86E-07	4.17E-07	1.67E-08	1.66E-07	3.59E-07
9,906	3.48E-08	2.93E-07	6.76E-07	2.56E-08	2.24E-07	5.03E-07	1.79E-08	1.57E-07	3.68E-07	1.70E-08	1.68E-07	3.79E-07	2.03E-08	1.83E-07	4.14E-07	2.03E-08	1.85E-07	4.14E-07	1.65E-08	1.65E-07	3.57E-07
9,907	3.47E-08	2.93E-07	6.74E-07	2.56E-08	2.24E-07	5.02E-07	1.79E-08	1.57E-07	3.66E-07	1.70E-08	1.68E-07	3.78E-07	2.02E-08	1.82E-07	4.14E-07	2.02E-08	1.84E-07	4.12E-07	1.64E-08	1.65E-07	3.56E-07
9,908	3.45E-08	2.93E-07	6.71E-07	2.56E-08	2.23E-07	5.02E-07	1.78E-08	1.56E-07	3.63E-07	1.70E-08	1.68E-07	3.77E-07	2.02E-08	1.81E-07	4.14E-07	2.02E-08	1.83E-07	4.11E-07	1.64E-08	1.65E-07	3.52E-07
9,909	3.44E-08	2.92E-07	6.61E-07	2.53E-08	2.21E-07	5.00E-07	1.78E-08	1.55E-07	3.62E-07	1.69E-08	1.68E-07	3.74E-07	2.02E-08	1.80E-07	4.14E-07	2.02E-08	1.82E-07	4.07E-07	1.63E-08	1.65E-07	3.52E-07
9,910	3.42E-08	2.92E-07	6.56E-07	2.51E-08	2.20E-07	5.00E-07	1.78E-08	1.54E-07	3.62E-07	1.69E-08	1.67E-07	3.72E-07	2.00E-08	1.77E-07	4.13E-07	2.01E-08	1.81E-07	4.05E-07	1.62E-08	1.64E-07	3.51E-07
9,911	3.40E-08	2.92E-07	6.53E-07	2.49E-08	2.18E-07	4.97E-07	1.75E-08	1.54E-07	3.62E-07	1.68E-08	1.66E-07	3.72E-07	1.99E-08	1.77E-07	4.12E-07	2.01E-08	1.81E-07	4.04E-07	1.61E-08	1.63E-07	3.51E-07
9,912	3.40E-08	2.90E-07	6.50E-07	2.48E-08	2.18E-07	4.90E-07	1.74E-08	1.54E-07	3.59E-07	1.68E-08	1.66E-07	3.69E-07	1.98E-08	1.76E-07	4.09E-07	1.99E-08	1.81E-07	4.04E-07	1.61E-08	1.63E-07	3.49E-07
9,913	3.38E-08	2.86E-07	6.49E-07	2.42E-08	2.17E-07	4.89E-07	1.74E-08	1.53E-07	3.57E-07	1.68E-08	1.65E-07	3.69E-07	1.98E-08	1.76E-07	4.08E-07	1.98E-08	1.80E-07	4.04E-07	1.60E-08	1.62E-07	3.49E-07
9,914	3.37E-08	2.84E-07	6.48E-07	2.39E-08	2.17E-07	4.87E-07	1.73E-08	1.52E-07	3.57E-07	1.67E-08	1.65E-07	3.66E-07	1.98E-08	1.75E-07	4.06E-07	1.97E-08	1.78E-07	4.03E-07	1.60E-08	1.62E-07	3.48E-07
9,915	3.35E-08	2.82E-07	6.48E-07	2.38E-08	2.17E-07	4.85E-07	1.72E-08	1.52E-07	3.57E-07	1.67E-08	1.65E-07	3.65E-07	1.97E-08	1.73E-07	4.05E-07	1.97E-08	1.77E-07	4.02E-07	1.59E-08	1.62E-07	3.48E-07
9,916	3.34E-08	2.82E-07	6.46E-07	2.36E-08	2.15E-07	4.80E-07	1.71E-08	1.49E-07	3.56E-07	1.66E-08	1.64E-07	3.63E-07	1.96E-08	1.73E-07	4.01E-07	1.91E-08	1.76E-07	3.98E-07	1.57E-08	1.62E-07	3.47E-07
9,917	3.31E-08	2.79E-07	6.46E-07	2.36E-08	2.14E-07	4.76E-07	1.69E-08	1.48E-07	3.56E-07	1.66E-08	1.64E-07	3.62E-07	1.95E-08	1.73E-07	3.99E-07	1.89E-08	1.76E-07	3.97E-07	1.57E-08	1.60E-07	3.46E-07
9,918	3.31E-08	2.78E-07	6.44E-07	2.33E-08	2.12E-07	4.75E-07	1.68E-08	1.48E-07	3.55E-07	1.65E-08	1.64E-07	3.60E-07	1.93E-08	1.72E-07	3.98E-07	1.88E-08	1.75E-07	3.95E-07	1.57E-08	1.60E-07	3.45E-07
9,919	3.30E-08	2.77E-07	6.43E-07	2.33E-08	2.11E-07	4.74E-07	1.68E-08	1.46E-07	3.54E-07	1.65E-08	1.62E-07	3.60E-07	1.93E-08	1.71E-07	3.96E-07	1.87E-08	1.74E-07	3.94E-07	1.56E-08	1.60E-07	3.45E-07
9,920	3.30E-08	2.76E-07	6.42E-07	2.31E-08	2.07E-07	4.73E-07	1.66E-08	1.45E-07	3.52E-07	1.64E-08	1.61E-07	3.59E-07	1.90E-08	1.70E-07	3.94E-07	1.87E-08	1.73E-07	3.90E-07	1.54E-08	1.60E-07	3.45E-07
9,921	3.29E-08	2.75E-07	6.42E-07	2.31E-08	2.04E-07	4.72E-07	1.65E-08	1.44E-07	3.52E-07	1.63E-08	1.61E-07	3.59E-07	1.89E-08	1.68E-07	3.94E-07	1.87E-08	1.72E-07	3.83E-07	1.54E-08	1.57E-07	3.42E-07
9,922	3.27E-08	2.70E-07	6.37E-07	2.31E-08	2.03E-07	4.71E-07	1.64E-08	1.44E-07	3.52E-07	1.63E-08	1.61E-07	3.57E-07	1.89E-08	1.68E-07	3.93E-07	1.87E-08	1.71E-07	3.82E-07	1.51E-08	1.57E-07	3.42E-07
9,923	3.18E-08	2.64E-07	6.32E-07	2.26E-08	2.03E-07	4.70E-07	1.63E-08	1.43E-07	3.52E-07	1.62E-08	1.61E-07	3.57E-07	1.88E-08	1.68E-07	3.90E-07	1.86E-08	1.70E-07	3.82E-07	1.50E-08	1.55E-07	3.38E-07
9,924	3.18E-08	2.63E-07	6.26E-07	2.26E-08	2.03E-07	4.69E-07	1.63E-08	1.42E-07	3.50E-07	1.62E-08	1.60E-07	3.57E-07	1.88E-08	1.67E-07	3.88E-07	1.86E-08	1.69E-07	3.77E-07	1.49E-08	1.55E-07	3.37E-07
9,925	3.12E-08	2.59E-07	6.25E-07	2.23E-08	2.02E-07	4.67E-07	1.63E-08	1.42E-07	3.48E												

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	Pre-ICM			CMA 1			CMA 2			CMA 3			CMA 4			CMA 5			CMA 6A/B		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,960	2.19E-08	1.96E-07	4.70E-07	1.67E-08	1.64E-07	3.64E-07	1.29E-08	1.18E-07	2.78E-07	1.31E-08	1.26E-07	3.00E-07	1.45E-08	1.36E-07	3.07E-07	1.38E-08	1.36E-07	2.90E-07	1.19E-08	1.11E-07	2.77E-07
9,961	2.19E-08	1.96E-07	4.70E-07	1.60E-08	1.62E-07	3.44E-07	1.28E-08	1.17E-07	2.77E-07	1.30E-08	1.25E-07	2.99E-07	1.45E-08	1.33E-07	3.07E-07	1.38E-08	1.36E-07	2.89E-07	1.18E-08	1.06E-07	2.76E-07
9,962	2.17E-08	1.95E-07	4.69E-07	1.59E-08	1.61E-07	3.41E-07	1.28E-08	1.15E-07	2.75E-07	1.30E-08	1.25E-07	2.99E-07	1.44E-08	1.31E-07	3.05E-07	1.34E-08	1.36E-07	2.89E-07	1.17E-08	1.06E-07	2.76E-07
9,963	2.13E-08	1.93E-07	4.68E-07	1.59E-08	1.60E-07	3.41E-07	1.27E-08	1.14E-07	2.70E-07	1.30E-08	1.25E-07	2.97E-07	1.43E-08	1.30E-07	3.01E-07	1.33E-08	1.35E-07	2.88E-07	1.16E-08	1.05E-07	2.74E-07
9,964	2.12E-08	1.93E-07	4.62E-07	1.57E-08	1.60E-07	3.36E-07	1.26E-08	1.14E-07	2.69E-07	1.28E-08	1.24E-07	2.92E-07	1.39E-08	1.30E-07	2.98E-07	1.33E-08	1.35E-07	2.84E-07	1.16E-08	1.05E-07	2.74E-07
9,965	2.09E-08	1.91E-07	4.60E-07	1.57E-08	1.58E-07	3.32E-07	1.26E-08	1.12E-07	2.55E-07	1.25E-08	1.22E-07	2.87E-07	1.38E-08	1.29E-07	2.94E-07	1.32E-08	1.32E-07	2.81E-07	1.14E-08	1.02E-07	2.71E-07
9,966	2.09E-08	1.89E-07	4.51E-07	1.56E-08	1.58E-07	3.27E-07	1.26E-08	1.12E-07	2.55E-07	1.22E-08	1.21E-07	2.87E-07	1.35E-08	1.27E-07	2.93E-07	1.32E-08	1.30E-07	2.81E-07	1.14E-08	9.79E-08	2.67E-07
9,967	2.05E-08	1.87E-07	4.32E-07	1.53E-08	1.56E-07	3.26E-07	1.25E-08	1.12E-07	2.53E-07	1.20E-08	1.17E-07	2.85E-07	1.35E-08	1.26E-07	2.87E-07	1.30E-08	1.29E-07	2.80E-07	1.14E-08	9.72E-08	2.63E-07
9,968	2.00E-08	1.86E-07	4.22E-07	1.51E-08	1.53E-07	3.25E-07	1.25E-08	1.11E-07	2.52E-07	1.19E-08	1.15E-07	2.84E-07	1.34E-08	1.25E-07	2.86E-07	1.29E-08	1.29E-07	2.73E-07	1.13E-08	9.71E-08	2.58E-07
9,969	2.00E-08	1.84E-07	4.11E-07	1.51E-08	1.52E-07	3.23E-07	1.21E-08	1.10E-07	2.51E-07	1.18E-08	1.15E-07	2.81E-07	1.33E-08	1.25E-07	2.84E-07	1.28E-08	1.29E-07	2.71E-07	1.13E-08	9.66E-08	2.57E-07
9,970	1.99E-08	1.79E-07	4.02E-07	1.51E-08	1.51E-07	3.22E-07	1.21E-08	1.09E-07	2.51E-07	1.16E-08	1.12E-07	2.79E-07	1.32E-08	1.24E-07	2.79E-07	1.28E-08	1.29E-07	2.69E-07	1.06E-08	9.59E-08	2.50E-07
9,971	1.88E-08	1.77E-07	3.99E-07	1.48E-08	1.51E-07	3.22E-07	1.21E-08	1.08E-07	2.45E-07	1.15E-08	1.12E-07	2.76E-07	1.32E-08	1.24E-07	2.74E-07	1.28E-08	1.29E-07	2.64E-07	1.06E-08	9.53E-08	2.50E-07
9,972	1.87E-08	1.77E-07	3.91E-07	1.45E-08	1.48E-07	3.08E-07	1.20E-08	1.08E-07	2.44E-07	1.15E-08	1.11E-07	2.75E-07	1.30E-08	1.23E-07	2.69E-07	1.26E-08	1.28E-07	2.59E-07	1.05E-08	9.47E-08	2.50E-07
9,973	1.84E-08	1.74E-07	3.91E-07	1.41E-08	1.48E-07	2.98E-07	1.20E-08	1.04E-07	2.40E-07	1.14E-08	1.10E-07	2.71E-07	1.29E-08	1.23E-07	2.66E-07	1.25E-08	1.25E-07	2.59E-07	1.04E-08	9.40E-08	2.49E-07
9,974	1.83E-08	1.72E-07	3.88E-07	1.36E-08	1.46E-07	2.92E-07	1.17E-08	1.04E-07	2.39E-07	1.10E-08	1.09E-07	2.62E-07	1.28E-08	1.23E-07	2.65E-07	1.20E-08	1.25E-07	2.56E-07	1.03E-08	9.37E-08	2.43E-07
9,975	1.78E-08	1.68E-07	3.80E-07	1.36E-08	1.41E-07	2.90E-07	1.16E-08	1.03E-07	2.29E-07	1.10E-08	1.08E-07	2.59E-07	1.28E-08	1.22E-07	2.62E-07	1.19E-08	1.23E-07	2.55E-07	1.02E-08	9.28E-08	2.42E-07
9,976	1.72E-08	1.67E-07	3.70E-07	1.34E-08	1.40E-07	2.86E-07	1.16E-08	9.94E-08	2.27E-07	1.08E-08	1.05E-07	2.58E-07	1.27E-08	1.22E-07	2.62E-07	1.18E-08	1.21E-07	2.55E-07	1.02E-08	9.20E-08	2.42E-07
9,977	1.70E-08	1.66E-07	3.59E-07	1.33E-08	1.40E-07	2.84E-07	1.13E-08	9.66E-08	2.23E-07	1.06E-08	1.05E-07	2.50E-07	1.26E-08	1.21E-07	2.60E-07	1.18E-08	1.19E-07	2.51E-07	1.01E-08	9.09E-08	2.37E-07
9,978	1.70E-08	1.65E-07	3.39E-07	1.33E-08	1.39E-07	2.81E-07	1.11E-08	9.48E-08	2.23E-07	1.06E-08	1.05E-07	2.44E-07	1.26E-08	1.21E-07	2.53E-07	1.18E-08	1.14E-07	2.49E-07	9.80E-09	9.07E-08	2.29E-07
9,979	1.65E-08	1.65E-07	3.26E-07	1.33E-08	1.38E-07	2.81E-07	1.09E-08	9.47E-08	2.22E-07	1.06E-08	9.94E-08	2.40E-07	1.26E-08	1.19E-07	2.48E-07	1.17E-08	1.12E-07	2.48E-07	9.02E-09	9.05E-08	2.26E-07
9,980	1.56E-08	1.61E-07	3.25E-07	1.32E-08	1.37E-07	2.78E-07	1.08E-08	9.31E-08	2.19E-07	1.04E-08	9.88E-08	2.31E-07	1.24E-08	1.18E-07	2.47E-07	1.17E-08	1.06E-07	2.46E-07	8.98E-09	9.02E-08	2.23E-07
9,981	1.54E-08	1.60E-07	3.22E-07	1.31E-08	1.36E-07	2.74E-07	1.07E-08	9.00E-08	2.14E-07	1.03E-08	9.69E-08	2.26E-07	1.24E-08	1.17E-07	2.47E-07	1.15E-08	1.04E-07	2.46E-07	8.95E-09	8.77E-08	2.23E-07
9,982	1.50E-08	1.54E-07	3.14E-07	1.26E-08	1.34E-07	2.68E-07	1.02E-08	8.89E-08	2.12E-07	1.02E-08	9.64E-08	2.26E-07	1.23E-08	1.15E-07	2.43E-07	1.14E-08	1.03E-07	2.40E-07	8.84E-09	8.75E-08	2.18E-07
9,983	1.45E-08	1.54E-07	3.12E-07	1.16E-08	1.34E-07	2.66E-07	1.01E-08	8.62E-08	2.01E-07	1.02E-08	9.45E-08	2.25E-07	1.22E-08	1.15E-07	2.37E-07	1.12E-08	9.96E-08	2.39E-07	8.81E-09	8.69E-08	2.15E-07
9,984	1.44E-08	1.47E-07	3.12E-07	1.13E-08	1.32E-07	2.63E-07	8.68E-09	8.38E-08	2.00E-07	9.84E-09	9.23E-08	2.24E-07	1.19E-08	1.13E-07	2.35E-07	1.11E-08	9.70E-08	2.30E-07	8.62E-09	8.68E-08	2.12E-07
9,985	1.42E-08	1.46E-07	3.01E-07	1.06E-08	1.31E-07	2.58E-07	8.65E-09	7.94E-08	1.95E-07	9.80E-09	9.20E-08	2.23E-07	1.06E-08	1.13E-07	2.27E-07	1.06E-08	9.64E-08	2.22E-07	8.47E-09	8.45E-08	2.04E-07
9,986	1.35E-08	1.44E-07	2.94E-07	1.06E-08	1.28E-07	2.53E-07	8.31E-09	7.91E-08	1.87E-07	9.49E-09	9.18E-08	2.18E-07	1.04E-08	1.12E-07	2.14E-07	9.17E-09	9.58E-08	2.22E-07	8.37E-09	8.24E-08	2.03E-07
9,987	1.34E-08	1.40E-07	2.91E-07	9.26E-09	1.23E-07	2.52E-07	8.29E-09	7.70E-08	1.85E-07	9.40E-09	8.56E-08	2.15E-07	9.78E-09	1.08E-07	2.07E-07	9.06E-09	9.31E-08	2.14E-07	8.16E-09	8.04E-08	1.98E-07
9,988	1.27E-08	1.37E-07	2.88E-07	9.15E-09	1.16E-07	2.48E-07	8.23E-09	7.45E-08	1.79E-07	9.17E-09	8.56E-08	2.14E-07	9.52E-09	1.07E-07	2.01E-07	8.94E-09	9.22E-08	2.13E-07	7.68E-09	7.72E-08	1.98E-07
9,989	1.23E-08	1.34E-07	2.66E-07	8.99E-09	1.13E-07	2.23E-07	8.01E-09	7.38E-08	1.79E-07	8.99E-09	8.41E-08	2.07E-07	8.98E-09	1.06E-07	1.93E-07	8.86E-09	8.57E-08	2.11E-07	7.68E-09	7.58E-08	1.92E-07
9,990	1.21E-08	1.31E-07	2.58E-07	8.67E-09	1.13E-07	2.20E-07	7.82E-09	7.30E-08	1.78E-07	8.78E-09	8.22E-08	2.04E-07	8.66E-09	1.06E-07	1.90E-07	8.34E-09	8.50E-08	2.05E-07	7.65E-09	6.98E-08	1.87E-07
9,991	1.19E-08	1.29E-07	2.58E-07	8.49E-09	1.09E-07	2.15E-07	7.74E-09	6.97E-08	1.73E-07	8.69E-09	8.19E-08	2.03E-07	7.82E-09	1.03E-07	1.87E-07	8.23E-09	8.47E-08	1.96E-07	6.55E-09	6.80E-08	1.85E-07
9,><																					

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios Run Dates: 4/22/2010, 3/3/2011									
	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
Statistics									
Trials	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Mean	4.72E-07	4.33E-06	7.72E-06	4.71E-07	4.27E-06	7.68E-06	6.11E-07	5.70E-06	1.02E-05
Median	2.46E-07	2.06E-06	4.16E-06	2.41E-07	2.02E-06	4.09E-06	3.08E-07	2.61E-06	5.21E-06
Mode	---	---	---	---	---	---	---	---	---
Standard Deviation	7.34E-07	7.25E-06	1.11E-05	7.84E-07	7.59E-06	1.20E-05	9.77E-07	1.02E-05	1.64E-05
Variance	5.39E-13	5.25E-11	1.24E-10	6.15E-13	5.77E-11	1.45E-10	9.55E-13	1.04E-10	2.70E-10
Skewness	5.67	5.61	4.44	6.83	6.36	6.02	7.00	7.71	8.16
Kurtosis	58.21	51.71	32.28	77.79	64.02	63.40	106.47	115.46	156.17
Coeff. of Variability	1.56	1.67	1.44	1.67	1.78	1.57	1.60	1.79	1.62
Minimum	2.82E-09	3.27E-08	8.14E-08	3.77E-09	2.89E-08	7.83E-08	4.04E-09	2.78E-08	6.12E-08
Maximum	1.58E-05	1.29E-04	1.75E-04	1.48E-05	1.35E-04	2.30E-04	2.78E-05	2.50E-04	5.43E-04
Range Width	1.58E-05	1.29E-04	1.75E-04	1.48E-05	1.35E-04	2.30E-04	2.78E-05	2.50E-04	5.43E-04
Mean Std. Error	7.34E-09	7.25E-08	1.11E-07	7.84E-09	7.59E-08	1.20E-07	9.77E-09	1.02E-07	1.64E-07
Percentiles									
50%	2.46E-07	2.06E-06	4.16E-06	2.41E-07	2.02E-06	4.09E-06	3.08E-07	2.61E-06	5.21E-06
75%	5.37E-07	4.71E-06	8.84E-06	5.18E-07	4.53E-06	8.46E-06	6.97E-07	6.16E-06	1.15E-05
90%	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.39E-06	1.73E-05	1.39E-06	1.32E-05	2.32E-05
95%	1.61E-06	1.55E-05	2.61E-05	1.51E-06	1.51E-05	2.57E-05	2.15E-06	2.07E-05	3.54E-05
99%	3.51E-06	3.51E-05	5.73E-05	3.46E-06	3.84E-05	5.68E-05	4.46E-06	4.73E-05	7.27E-05
Trial values									
1	1.58E-05	1.29E-04	1.75E-04	1.48E-05	1.35E-04	2.30E-04	2.78E-05	2.50E-04	5.43E-04
2	1.05E-05	1.04E-04	1.29E-04	1.38E-05	1.25E-04	2.13E-04	1.78E-05	2.41E-04	2.83E-04
3	1.02E-05	1.03E-04	1.23E-04	1.25E-05	1.13E-04	1.77E-04	1.49E-05	1.94E-04	2.50E-04
4	9.84E-06	9.10E-05	1.23E-04	1.18E-05	1.06E-04	1.76E-04	1.43E-05	1.81E-04	2.41E-04
5	9.20E-06	8.68E-05	1.23E-04	1.16E-05	1.05E-04	1.67E-04	1.35E-05	1.74E-04	2.39E-04
6	9.00E-06	8.66E-05	1.13E-04	1.14E-05	1.02E-04	1.67E-04	1.21E-05	1.61E-04	2.38E-04
7	8.94E-06	8.32E-05	1.09E-04	1.12E-05	1.01E-04	1.67E-04	1.18E-05	1.34E-04	1.94E-04
8	8.74E-06	8.19E-05	1.08E-04	1.12E-05	9.68E-05	1.62E-04	1.18E-05	1.27E-04	1.92E-04
9	8.42E-06	8.14E-05	1.06E-04	1.06E-05	9.49E-05	1.56E-04	1.14E-05	1.14E-04	1.89E-04
10	8.36E-06	8.12E-05	1.04E-04	1.06E-05	9.15E-05	1.45E-04	1.14E-05	1.10E-04	1.86E-04
11	7.92E-06	8.11E-05	1.03E-04	1.01E-05	8.74E-05	1.31E-04	1.10E-05	1.10E-04	1.84E-04
12	7.76E-06	8.03E-05	1.02E-04	1.00E-05	8.62E-05	1.30E-04	1.10E-05	1.04E-04	1.74E-04
13	7.68E-06	7.97E-05	9.98E-05	9.71E-06	8.53E-05	1.29E-04	1.03E-05	9.33E-05	1.65E-04
14	7.37E-06	7.96E-05	9.86E-05	9.58E-06	8.41E-05	1.23E-04	1.02E-05	8.64E-05	1.65E-04
15	6.98E-06	7.95E-05	9.75E-05	9.24E-06	8.40E-05	1.21E-04	9.90E-06	8.64E-05	1.62E-04
16	6.69E-06	7.74E-05	9.62E-05	9.07E-06	8.18E-05	1.20E-04	9.70E-06	8.62E-05	1.61E-04
17	6.54E-06	7.40E-05	9.55E-05	9.04E-06	8.01E-05	1.16E-04	9.34E-06	8.60E-05	1.55E-04
18	6.52E-06	7.30E-05	9.49E-05	8.42E-06	7.90E-05	1.13E-04	8.99E-06	8.49E-05	1.52E-04
19	6.43E-06	7.13E-05	9.37E-05	8.30E-06	7.71E-05	1.08E-04	8.60E-06	8.48E-05	1.43E-04
20	6.36E-06	6.99E-05	9.36E-05	7.97E-06	7.46E-05	1.07E-04	8.40E-06	8.41E-05	1.38E-04
21	6.33E-06	6.84E-05	9.21E-05	7.74E-06	7.38E-05	1.05E-04	8.17E-06	8.34E-05	1.37E-04
22	6.24E-06	6.83E-05	9.10E-05	7.74E-06	7.24E-05	1.04E-04	7.97E-06	8.17E-05	1.36E-04
23	6.19E-06	6.79E-05	9.09E-05	7.67E-06	7.11E-05	1.02E-04	7.91E-06	7.91E-05	1.34E-04
24	6.19E-06	6.71E-05	9.09E-05	7.57E-06	7.02E-05	1.01E-04	7.82E-06	7.91E-05	1.32E-04
25	6.17E-06	6.70E-05	9.07E-05	7.55E-06	6.99E-05	1.01E-04	7.31E-06	7.90E-05	1.24E-04
26	6.17E-06	6.69E-05	9.07E-05	7.13E-06	6.95E-05	1.00E-04	7.28E-06	7.90E-05	1.22E-04
27	6.13E-06	6.67E-05	9.03E-05	6.82E-06	6.79E-05	9.94E-05	7.23E-06	7.82E-05	1.22E-04
28	6.13E-06	6.52E-05	8.92E-05	6.61E-06	6.49E-05	9.78E-05	7.22E-06	7.61E-05	1.21E-04
29	6.08E-06	6.47E-05	8.87E-05	6.43E-06	6.42E-05	9.49E-05	7.03E-06	7.59E-05	1.20E-04
30	6.02E-06	6.25E-05	8.86E-05	6.37E-06	6.27E-05	9.16E-05	6.96E-06	7.49E-05	1.18E-04
31	5.95E-06	6.20E-05	8.78E-05	6.32E-06	6.22E-05	9.15E-05	6.93E-06	7.34E-05	1.15E-04
32	5.95E-06	6.00E-05	8.73E-05	6.06E-06	6.21E-05	9.12E-05	6.85E-06	7.25E-05	1.14E-04
33	5.95E-06	5.85E-05	8.69E-05	5.99E-06	6.14E-05	9.02E-05	6.82E-06	7.15E-05	1.13E-04
34	5.94E-06	5.71E-05	8.67E-05	5.93E-06	6.01E-05	9.00E-05	6.79E-06	7.03E-05	1.13E-04
35	5.90E-06	5.69E-05	8.66E-05	5.79E-06	5.92E-05	8.87E-05	6.63E-06	7.00E-05	1.12E-04
36	5.83E-06	5.44E-05	8.66E-05	5.75E-06	5.75E-05	8.74E-05	6.48E-06	6.98E-05	1.12E-04
37	5.76E-06	5.42E-05	8.57E-05	5.70E-06	5.74E-05	8.73E-05	6.32E-06	6.86E-05	1.11E-04
38	5.60E-06	5.38E-05	8.54E-05	5.54E-06	5.71E-05	8.55E-05	6.30E-06	6.81E-05	1.11E-04
39	5.57E-06	5.34E-05	8.37E-05	5.53E-06	5.71E-05	8.53E-05	6.26E-06	6.76E-05	1.11E-04

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
40	5.56E-06	5.25E-05	8.34E-05	5.39E-06	5.69E-05	8.45E-05	6.26E-06	6.64E-05	1.10E-04
41	5.52E-06	5.21E-05	8.34E-05	5.25E-06	5.56E-05	8.41E-05	6.16E-06	6.63E-05	1.10E-04
42	5.48E-06	5.20E-05	8.32E-05	5.16E-06	5.46E-05	8.37E-05	6.14E-06	6.62E-05	1.08E-04
43	5.23E-06	5.14E-05	8.30E-05	5.12E-06	5.44E-05	8.29E-05	6.06E-06	6.57E-05	1.08E-04
44	5.23E-06	5.07E-05	8.30E-05	5.03E-06	5.34E-05	8.21E-05	6.03E-06	6.56E-05	1.07E-04
45	5.21E-06	4.97E-05	8.18E-05	5.01E-06	5.32E-05	8.18E-05	5.91E-06	6.56E-05	1.07E-04
46	5.09E-06	4.88E-05	8.15E-05	4.92E-06	5.29E-05	8.16E-05	5.86E-06	6.50E-05	1.06E-04
47	5.08E-06	4.81E-05	8.15E-05	4.89E-06	5.29E-05	8.04E-05	5.86E-06	6.48E-05	1.06E-04
48	5.01E-06	4.79E-05	8.14E-05	4.77E-06	5.28E-05	8.00E-05	5.84E-06	6.43E-05	1.01E-04
49	5.01E-06	4.75E-05	8.06E-05	4.74E-06	5.25E-05	7.90E-05	5.77E-06	6.42E-05	9.87E-05
50	4.96E-06	4.73E-05	8.03E-05	4.69E-06	5.19E-05	7.90E-05	5.76E-06	6.42E-05	9.76E-05
51	4.92E-06	4.69E-05	8.02E-05	4.59E-06	5.19E-05	7.86E-05	5.70E-06	6.40E-05	9.59E-05
52	4.78E-06	4.67E-05	7.97E-05	4.59E-06	5.11E-05	7.85E-05	5.70E-06	6.25E-05	9.59E-05
53	4.72E-06	4.64E-05	7.95E-05	4.55E-06	5.10E-05	7.71E-05	5.64E-06	6.20E-05	9.58E-05
54	4.69E-06	4.61E-05	7.76E-05	4.51E-06	5.08E-05	7.62E-05	5.64E-06	6.20E-05	9.16E-05
55	4.66E-06	4.60E-05	7.74E-05	4.50E-06	5.05E-05	7.56E-05	5.58E-06	6.08E-05	9.12E-05
56	4.64E-06	4.60E-05	7.72E-05	4.47E-06	5.04E-05	7.55E-05	5.57E-06	6.06E-05	9.07E-05
57	4.62E-06	4.58E-05	7.72E-05	4.43E-06	5.01E-05	7.46E-05	5.56E-06	6.05E-05	9.06E-05
58	4.55E-06	4.57E-05	7.63E-05	4.42E-06	4.98E-05	7.41E-05	5.51E-06	5.97E-05	9.05E-05
59	4.53E-06	4.56E-05	7.60E-05	4.37E-06	4.94E-05	7.33E-05	5.38E-06	5.94E-05	9.03E-05
60	4.50E-06	4.50E-05	7.56E-05	4.35E-06	4.92E-05	7.32E-05	5.35E-06	5.88E-05	8.91E-05
61	4.44E-06	4.40E-05	7.44E-05	4.29E-06	4.79E-05	7.30E-05	5.32E-06	5.88E-05	8.86E-05
62	4.37E-06	4.39E-05	7.32E-05	4.29E-06	4.77E-05	7.15E-05	5.31E-06	5.85E-05	8.69E-05
63	4.32E-06	4.38E-05	7.09E-05	4.25E-06	4.73E-05	7.11E-05	5.27E-06	5.82E-05	8.68E-05
64	4.31E-06	4.36E-05	7.07E-05	4.23E-06	4.70E-05	7.10E-05	5.24E-06	5.75E-05	8.65E-05
65	4.24E-06	4.35E-05	6.99E-05	4.22E-06	4.67E-05	7.08E-05	5.23E-06	5.71E-05	8.64E-05
66	4.22E-06	4.31E-05	6.98E-05	4.18E-06	4.66E-05	6.99E-05	5.22E-06	5.70E-05	8.61E-05
67	4.21E-06	4.31E-05	6.95E-05	4.16E-06	4.58E-05	6.97E-05	5.22E-06	5.64E-05	8.60E-05
68	4.15E-06	4.29E-05	6.89E-05	4.12E-06	4.54E-05	6.84E-05	5.21E-06	5.59E-05	8.51E-05
69	4.08E-06	4.28E-05	6.84E-05	4.11E-06	4.52E-05	6.84E-05	5.19E-06	5.57E-05	8.49E-05
70	4.07E-06	4.22E-05	6.83E-05	4.09E-06	4.49E-05	6.79E-05	5.15E-06	5.53E-05	8.48E-05
71	4.06E-06	4.18E-05	6.82E-05	4.04E-06	4.48E-05	6.78E-05	5.13E-06	5.51E-05	8.46E-05
72	4.05E-06	4.13E-05	6.81E-05	4.04E-06	4.48E-05	6.64E-05	5.12E-06	5.49E-05	8.42E-05
73	4.04E-06	4.12E-05	6.81E-05	4.00E-06	4.43E-05	6.63E-05	5.08E-06	5.46E-05	8.41E-05
74	3.95E-06	4.08E-05	6.73E-05	4.00E-06	4.39E-05	6.51E-05	5.05E-06	5.45E-05	8.34E-05
75	3.94E-06	4.08E-05	6.71E-05	3.95E-06	4.39E-05	6.49E-05	5.04E-06	5.43E-05	8.34E-05
76	3.90E-06	4.05E-05	6.69E-05	3.94E-06	4.34E-05	6.49E-05	5.02E-06	5.36E-05	8.32E-05
77	3.85E-06	4.05E-05	6.58E-05	3.93E-06	4.33E-05	6.42E-05	4.97E-06	5.35E-05	8.31E-05
78	3.85E-06	4.03E-05	6.52E-05	3.88E-06	4.28E-05	6.33E-05	4.97E-06	5.34E-05	8.30E-05
79	3.84E-06	4.01E-05	6.41E-05	3.87E-06	4.25E-05	6.30E-05	4.92E-06	5.33E-05	8.16E-05
80	3.82E-06	3.97E-05	6.39E-05	3.86E-06	4.24E-05	6.27E-05	4.91E-06	5.31E-05	8.09E-05
81	3.82E-06	3.97E-05	6.39E-05	3.85E-06	4.20E-05	6.22E-05	4.90E-06	5.27E-05	8.02E-05
82	3.77E-06	3.97E-05	6.36E-05	3.84E-06	4.20E-05	6.21E-05	4.86E-06	5.27E-05	8.01E-05
83	3.75E-06	3.95E-05	6.30E-05	3.84E-06	4.20E-05	6.21E-05	4.83E-06	5.24E-05	7.96E-05
84	3.73E-06	3.89E-05	6.25E-05	3.83E-06	4.18E-05	6.20E-05	4.81E-06	5.19E-05	7.84E-05
85	3.73E-06	3.84E-05	6.25E-05	3.79E-06	4.15E-05	6.14E-05	4.78E-06	5.16E-05	7.82E-05
86	3.73E-06	3.81E-05	6.23E-05	3.77E-06	4.15E-05	6.13E-05	4.74E-06	5.14E-05	7.80E-05
87	3.70E-06	3.81E-05	6.14E-05	3.74E-06	4.13E-05	6.10E-05	4.74E-06	5.13E-05	7.76E-05
88	3.70E-06	3.81E-05	6.13E-05	3.72E-06	4.12E-05	6.09E-05	4.68E-06	5.09E-05	7.69E-05
89	3.68E-06	3.81E-05	6.12E-05	3.72E-06	4.12E-05	5.99E-05	4.68E-06	5.08E-05	7.63E-05
90	3.68E-06	3.78E-05	6.09E-05	3.72E-06	4.10E-05	5.98E-05	4.67E-06	5.07E-05	7.59E-05
91	3.67E-06	3.74E-05	6.00E-05	3.72E-06	4.09E-05	5.98E-05	4.67E-06	5.06E-05	7.57E-05
92	3.65E-06	3.72E-05	6.00E-05	3.68E-06	4.08E-05	5.97E-05	4.61E-06	5.01E-05	7.56E-05
93	3.65E-06	3.71E-05	5.96E-05	3.62E-06	4.08E-05	5.92E-05	4.57E-06	5.00E-05	7.55E-05
94	3.62E-06	3.67E-05	5.93E-05	3.55E-06	4.08E-05	5.89E-05	4.56E-06	4.94E-05	7.53E-05
95	3.60E-06	3.65E-05	5.92E-05	3.54E-06	4.05E-05	5.89E-05	4.55E-06	4.93E-05	7.52E-05
96	3.60E-06	3.63E-05	5.88E-05	3.53E-06	4.05E-05	5.84E-05	4.54E-06	4.83E-05	7.39E-05
97	3.58E-06	3.59E-05	5.85E-05	3.52E-06	4.04E-05	5.80E-05	4.52E-06	4.82E-05	7.34E-05
98	3.54E-06	3.55E-05	5.82E-05	3.51E-06	3.98E-05	5.75E-05	4.52E-06	4.78E-05	7.31E-05
99	3.53E-06	3.53E-05	5.77E-05	3.51E-06	3.96E-05	5.74E-05	4.51E-06	4.78E-05	7.27E-05
100	3.53E-06	3.52E-05	5.76E-05	3.49E-06	3.92E-05	5.71E-05	4.50E-06	4.74E-05	7.27E-05
101	3.51E-06	3.51E-05	5.73E-05	3.46E-06	3.84E-05	5.68E-05	4.46E-06	4.73E-05	7.27E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
102	3.49E-06	3.49E-05	5.72E-05	3.46E-06	3.75E-05	5.67E-05	4.45E-06	4.72E-05	7.25E-05
103	3.45E-06	3.44E-05	5.71E-05	3.45E-06	3.74E-05	5.63E-05	4.43E-06	4.68E-05	7.25E-05
104	3.44E-06	3.44E-05	5.70E-05	3.45E-06	3.71E-05	5.62E-05	4.42E-06	4.68E-05	7.24E-05
105	3.44E-06	3.42E-05	5.67E-05	3.44E-06	3.68E-05	5.56E-05	4.41E-06	4.67E-05	7.22E-05
106	3.42E-06	3.41E-05	5.66E-05	3.44E-06	3.64E-05	5.56E-05	4.36E-06	4.67E-05	7.21E-05
107	3.42E-06	3.38E-05	5.66E-05	3.41E-06	3.62E-05	5.54E-05	4.32E-06	4.63E-05	7.17E-05
108	3.40E-06	3.38E-05	5.66E-05	3.39E-06	3.61E-05	5.53E-05	4.30E-06	4.61E-05	7.15E-05
109	3.39E-06	3.38E-05	5.65E-05	3.38E-06	3.60E-05	5.47E-05	4.28E-06	4.54E-05	7.12E-05
110	3.39E-06	3.37E-05	5.60E-05	3.38E-06	3.51E-05	5.45E-05	4.27E-06	4.53E-05	7.07E-05
111	3.37E-06	3.36E-05	5.55E-05	3.36E-06	3.50E-05	5.44E-05	4.25E-06	4.52E-05	7.03E-05
112	3.35E-06	3.36E-05	5.52E-05	3.34E-06	3.50E-05	5.44E-05	4.24E-06	4.49E-05	7.00E-05
113	3.35E-06	3.32E-05	5.48E-05	3.32E-06	3.48E-05	5.42E-05	4.24E-06	4.49E-05	7.00E-05
114	3.30E-06	3.30E-05	5.47E-05	3.32E-06	3.47E-05	5.42E-05	4.23E-06	4.45E-05	6.98E-05
115	3.29E-06	3.30E-05	5.42E-05	3.28E-06	3.46E-05	5.40E-05	4.22E-06	4.43E-05	6.97E-05
116	3.28E-06	3.29E-05	5.41E-05	3.26E-06	3.44E-05	5.38E-05	4.21E-06	4.39E-05	6.89E-05
117	3.27E-06	3.28E-05	5.38E-05	3.22E-06	3.42E-05	5.37E-05	4.17E-06	4.38E-05	6.89E-05
118	3.26E-06	3.27E-05	5.36E-05	3.22E-06	3.41E-05	5.34E-05	4.16E-06	4.36E-05	6.87E-05
119	3.26E-06	3.24E-05	5.35E-05	3.21E-06	3.41E-05	5.32E-05	4.16E-06	4.31E-05	6.86E-05
120	3.26E-06	3.23E-05	5.34E-05	3.20E-06	3.41E-05	5.32E-05	4.14E-06	4.30E-05	6.82E-05
121	3.23E-06	3.21E-05	5.33E-05	3.15E-06	3.38E-05	5.31E-05	4.14E-06	4.25E-05	6.81E-05
122	3.23E-06	3.16E-05	5.27E-05	3.14E-06	3.34E-05	5.31E-05	4.13E-06	4.25E-05	6.80E-05
123	3.23E-06	3.16E-05	5.24E-05	3.14E-06	3.33E-05	5.30E-05	4.12E-06	4.25E-05	6.80E-05
124	3.22E-06	3.14E-05	5.21E-05	3.13E-06	3.30E-05	5.29E-05	4.12E-06	4.21E-05	6.78E-05
125	3.22E-06	3.13E-05	5.21E-05	3.13E-06	3.27E-05	5.28E-05	4.11E-06	4.21E-05	6.76E-05
126	3.22E-06	3.10E-05	5.21E-05	3.12E-06	3.27E-05	5.25E-05	4.09E-06	4.21E-05	6.76E-05
127	3.22E-06	3.10E-05	5.20E-05	3.10E-06	3.24E-05	5.24E-05	4.07E-06	4.19E-05	6.72E-05
128	3.21E-06	3.09E-05	5.20E-05	3.10E-06	3.23E-05	5.20E-05	4.07E-06	4.18E-05	6.67E-05
129	3.20E-06	3.08E-05	5.20E-05	3.09E-06	3.22E-05	5.20E-05	4.07E-06	4.14E-05	6.65E-05
130	3.19E-06	3.08E-05	5.19E-05	3.08E-06	3.22E-05	5.19E-05	4.06E-06	4.14E-05	6.65E-05
131	3.18E-06	3.07E-05	5.19E-05	3.08E-06	3.21E-05	5.19E-05	4.05E-06	4.12E-05	6.64E-05
132	3.16E-06	3.07E-05	5.17E-05	3.08E-06	3.18E-05	5.17E-05	4.04E-06	4.12E-05	6.62E-05
133	3.16E-06	3.07E-05	5.16E-05	3.05E-06	3.17E-05	5.16E-05	3.99E-06	4.12E-05	6.62E-05
134	3.14E-06	3.06E-05	5.15E-05	3.05E-06	3.16E-05	5.15E-05	3.98E-06	4.09E-05	6.61E-05
135	3.13E-06	3.04E-05	5.12E-05	3.04E-06	3.15E-05	5.12E-05	3.92E-06	4.08E-05	6.60E-05
136	3.12E-06	3.04E-05	5.12E-05	3.03E-06	3.09E-05	5.11E-05	3.91E-06	4.07E-05	6.60E-05
137	3.11E-06	3.03E-05	5.07E-05	3.02E-06	3.09E-05	5.08E-05	3.91E-06	4.06E-05	6.56E-05
138	3.11E-06	3.03E-05	5.06E-05	3.02E-06	3.07E-05	5.05E-05	3.90E-06	4.05E-05	6.50E-05
139	3.11E-06	3.00E-05	5.06E-05	3.01E-06	3.07E-05	5.05E-05	3.89E-06	4.03E-05	6.48E-05
140	3.09E-06	2.99E-05	5.05E-05	2.99E-06	3.06E-05	5.04E-05	3.88E-06	3.99E-05	6.48E-05
141	3.09E-06	2.98E-05	5.04E-05	2.99E-06	3.06E-05	5.04E-05	3.86E-06	3.99E-05	6.48E-05
142	3.07E-06	2.97E-05	5.02E-05	2.97E-06	3.05E-05	5.02E-05	3.85E-06	3.97E-05	6.46E-05
143	3.06E-06	2.92E-05	4.99E-05	2.91E-06	3.04E-05	4.99E-05	3.83E-06	3.96E-05	6.43E-05
144	3.06E-06	2.92E-05	4.98E-05	2.91E-06	3.03E-05	4.98E-05	3.83E-06	3.96E-05	6.38E-05
145	3.05E-06	2.92E-05	4.97E-05	2.90E-06	3.03E-05	4.98E-05	3.81E-06	3.93E-05	6.34E-05
146	3.03E-06	2.90E-05	4.92E-05	2.90E-06	3.02E-05	4.96E-05	3.81E-06	3.93E-05	6.30E-05
147	3.03E-06	2.89E-05	4.91E-05	2.89E-06	3.01E-05	4.94E-05	3.80E-06	3.92E-05	6.26E-05
148	3.01E-06	2.87E-05	4.88E-05	2.89E-06	3.00E-05	4.93E-05	3.80E-06	3.83E-05	6.24E-05
149	3.00E-06	2.85E-05	4.87E-05	2.89E-06	2.99E-05	4.92E-05	3.79E-06	3.81E-05	6.21E-05
150	2.98E-06	2.84E-05	4.85E-05	2.88E-06	2.96E-05	4.91E-05	3.78E-06	3.81E-05	6.20E-05
151	2.98E-06	2.84E-05	4.81E-05	2.86E-06	2.95E-05	4.89E-05	3.77E-06	3.79E-05	6.20E-05
152	2.97E-06	2.83E-05	4.81E-05	2.86E-06	2.93E-05	4.87E-05	3.73E-06	3.78E-05	6.19E-05
153	2.96E-06	2.82E-05	4.81E-05	2.85E-06	2.90E-05	4.87E-05	3.72E-06	3.78E-05	6.15E-05
154	2.95E-06	2.82E-05	4.78E-05	2.85E-06	2.90E-05	4.82E-05	3.72E-06	3.78E-05	6.13E-05
155	2.94E-06	2.81E-05	4.78E-05	2.85E-06	2.88E-05	4.82E-05	3.72E-06	3.77E-05	6.12E-05
156	2.94E-06	2.80E-05	4.77E-05	2.84E-06	2.87E-05	4.80E-05	3.71E-06	3.77E-05	6.04E-05
157	2.94E-06	2.78E-05	4.76E-05	2.84E-06	2.85E-05	4.79E-05	3.71E-06	3.76E-05	6.02E-05
158	2.93E-06	2.78E-05	4.73E-05	2.84E-06	2.85E-05	4.79E-05	3.71E-06	3.75E-05	6.01E-05
159	2.92E-06	2.77E-05	4.71E-05	2.84E-06	2.84E-05	4.79E-05	3.71E-06	3.75E-05	6.00E-05
160	2.92E-06	2.74E-05	4.70E-05	2.84E-06	2.84E-05	4.77E-05	3.70E-06	3.74E-05	5.98E-05
161	2.88E-06	2.74E-05	4.69E-05	2.83E-06	2.83E-05	4.76E-05	3.70E-06	3.72E-05	5.97E-05
162	2.88E-06	2.74E-05	4.69E-05	2.83E-06	2.82E-05	4.73E-05	3.67E-06	3.72E-05	5.97E-05
163	2.88E-06	2.72E-05	4.67E-05	2.82E-06	2.80E-05	4.73E-05	3.66E-06	3.70E-05	5.97E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
164	2.88E-06	2.71E-05	4.67E-05	2.81E-06	2.76E-05	4.70E-05	3.63E-06	3.68E-05	5.97E-05
165	2.87E-06	2.70E-05	4.66E-05	2.81E-06	2.76E-05	4.70E-05	3.62E-06	3.64E-05	5.94E-05
166	2.86E-06	2.69E-05	4.64E-05	2.80E-06	2.74E-05	4.69E-05	3.61E-06	3.64E-05	5.94E-05
167	2.86E-06	2.69E-05	4.62E-05	2.80E-06	2.74E-05	4.67E-05	3.58E-06	3.63E-05	5.92E-05
168	2.86E-06	2.69E-05	4.61E-05	2.78E-06	2.72E-05	4.67E-05	3.57E-06	3.61E-05	5.92E-05
169	2.86E-06	2.68E-05	4.61E-05	2.77E-06	2.72E-05	4.64E-05	3.57E-06	3.61E-05	5.90E-05
170	2.83E-06	2.68E-05	4.60E-05	2.77E-06	2.72E-05	4.62E-05	3.55E-06	3.60E-05	5.88E-05
171	2.83E-06	2.68E-05	4.60E-05	2.77E-06	2.70E-05	4.62E-05	3.54E-06	3.60E-05	5.87E-05
172	2.82E-06	2.67E-05	4.58E-05	2.76E-06	2.68E-05	4.61E-05	3.53E-06	3.59E-05	5.85E-05
173	2.82E-06	2.65E-05	4.57E-05	2.75E-06	2.68E-05	4.59E-05	3.53E-06	3.58E-05	5.84E-05
174	2.81E-06	2.65E-05	4.57E-05	2.74E-06	2.65E-05	4.59E-05	3.53E-06	3.57E-05	5.83E-05
175	2.80E-06	2.65E-05	4.56E-05	2.74E-06	2.65E-05	4.57E-05	3.53E-06	3.56E-05	5.81E-05
176	2.80E-06	2.65E-05	4.53E-05	2.73E-06	2.64E-05	4.56E-05	3.51E-06	3.55E-05	5.77E-05
177	2.79E-06	2.63E-05	4.53E-05	2.73E-06	2.64E-05	4.54E-05	3.51E-06	3.53E-05	5.75E-05
178	2.78E-06	2.63E-05	4.50E-05	2.73E-06	2.63E-05	4.54E-05	3.49E-06	3.52E-05	5.75E-05
179	2.78E-06	2.62E-05	4.46E-05	2.71E-06	2.63E-05	4.49E-05	3.48E-06	3.52E-05	5.75E-05
180	2.77E-06	2.62E-05	4.46E-05	2.71E-06	2.61E-05	4.48E-05	3.47E-06	3.51E-05	5.74E-05
181	2.77E-06	2.62E-05	4.41E-05	2.71E-06	2.61E-05	4.45E-05	3.46E-06	3.49E-05	5.70E-05
182	2.76E-06	2.60E-05	4.38E-05	2.68E-06	2.59E-05	4.44E-05	3.45E-06	3.47E-05	5.65E-05
183	2.76E-06	2.59E-05	4.38E-05	2.66E-06	2.57E-05	4.43E-05	3.44E-06	3.47E-05	5.64E-05
184	2.75E-06	2.58E-05	4.37E-05	2.66E-06	2.56E-05	4.39E-05	3.43E-06	3.47E-05	5.64E-05
185	2.74E-06	2.57E-05	4.35E-05	2.65E-06	2.55E-05	4.39E-05	3.43E-06	3.47E-05	5.64E-05
186	2.74E-06	2.57E-05	4.35E-05	2.65E-06	2.54E-05	4.39E-05	3.42E-06	3.47E-05	5.64E-05
187	2.73E-06	2.56E-05	4.35E-05	2.65E-06	2.54E-05	4.34E-05	3.42E-06	3.47E-05	5.64E-05
188	2.72E-06	2.56E-05	4.33E-05	2.64E-06	2.53E-05	4.34E-05	3.42E-06	3.46E-05	5.59E-05
189	2.72E-06	2.56E-05	4.31E-05	2.64E-06	2.51E-05	4.33E-05	3.41E-06	3.45E-05	5.59E-05
190	2.72E-06	2.55E-05	4.31E-05	2.63E-06	2.51E-05	4.31E-05	3.41E-06	3.45E-05	5.57E-05
191	2.71E-06	2.53E-05	4.31E-05	2.63E-06	2.51E-05	4.31E-05	3.41E-06	3.43E-05	5.51E-05
192	2.70E-06	2.52E-05	4.30E-05	2.63E-06	2.48E-05	4.29E-05	3.40E-06	3.43E-05	5.49E-05
193	2.70E-06	2.52E-05	4.29E-05	2.62E-06	2.47E-05	4.29E-05	3.40E-06	3.43E-05	5.46E-05
194	2.68E-06	2.52E-05	4.28E-05	2.62E-06	2.46E-05	4.28E-05	3.37E-06	3.43E-05	5.46E-05
195	2.67E-06	2.51E-05	4.28E-05	2.62E-06	2.46E-05	4.28E-05	3.37E-06	3.42E-05	5.45E-05
196	2.67E-06	2.50E-05	4.21E-05	2.61E-06	2.46E-05	4.28E-05	3.37E-06	3.42E-05	5.44E-05
197	2.67E-06	2.48E-05	4.21E-05	2.61E-06	2.45E-05	4.27E-05	3.36E-06	3.41E-05	5.44E-05
198	2.66E-06	2.47E-05	4.18E-05	2.61E-06	2.45E-05	4.27E-05	3.35E-06	3.39E-05	5.43E-05
199	2.65E-06	2.47E-05	4.18E-05	2.60E-06	2.45E-05	4.26E-05	3.34E-06	3.39E-05	5.40E-05
200	2.64E-06	2.46E-05	4.17E-05	2.60E-06	2.44E-05	4.24E-05	3.34E-06	3.38E-05	5.36E-05
201	2.64E-06	2.46E-05	4.17E-05	2.60E-06	2.44E-05	4.24E-05	3.34E-06	3.37E-05	5.36E-05
202	2.63E-06	2.45E-05	4.17E-05	2.58E-06	2.44E-05	4.23E-05	3.33E-06	3.36E-05	5.35E-05
203	2.63E-06	2.43E-05	4.14E-05	2.58E-06	2.44E-05	4.21E-05	3.32E-06	3.35E-05	5.35E-05
204	2.63E-06	2.43E-05	4.14E-05	2.56E-06	2.42E-05	4.17E-05	3.31E-06	3.35E-05	5.35E-05
205	2.62E-06	2.42E-05	4.14E-05	2.55E-06	2.42E-05	4.16E-05	3.31E-06	3.35E-05	5.34E-05
206	2.62E-06	2.41E-05	4.13E-05	2.55E-06	2.41E-05	4.15E-05	3.31E-06	3.34E-05	5.34E-05
207	2.61E-06	2.41E-05	4.12E-05	2.54E-06	2.40E-05	4.15E-05	3.31E-06	3.32E-05	5.33E-05
208	2.61E-06	2.41E-05	4.12E-05	2.54E-06	2.39E-05	4.14E-05	3.30E-06	3.32E-05	5.32E-05
209	2.61E-06	2.39E-05	4.10E-05	2.53E-06	2.39E-05	4.14E-05	3.30E-06	3.32E-05	5.31E-05
210	2.60E-06	2.39E-05	4.09E-05	2.52E-06	2.39E-05	4.13E-05	3.28E-06	3.31E-05	5.31E-05
211	2.60E-06	2.38E-05	4.09E-05	2.52E-06	2.37E-05	4.13E-05	3.27E-06	3.30E-05	5.31E-05
212	2.60E-06	2.38E-05	4.08E-05	2.52E-06	2.35E-05	4.12E-05	3.27E-06	3.30E-05	5.30E-05
213	2.59E-06	2.36E-05	4.08E-05	2.50E-06	2.34E-05	4.11E-05	3.27E-06	3.30E-05	5.27E-05
214	2.58E-06	2.36E-05	4.08E-05	2.49E-06	2.33E-05	4.10E-05	3.27E-06	3.29E-05	5.27E-05
215	2.58E-06	2.36E-05	4.07E-05	2.49E-06	2.33E-05	4.10E-05	3.27E-06	3.29E-05	5.27E-05
216	2.56E-06	2.36E-05	4.06E-05	2.48E-06	2.32E-05	4.09E-05	3.26E-06	3.29E-05	5.26E-05
217	2.54E-06	2.34E-05	4.06E-05	2.48E-06	2.31E-05	4.09E-05	3.26E-06	3.29E-05	5.21E-05
218	2.54E-06	2.34E-05	4.05E-05	2.47E-06	2.31E-05	4.09E-05	3.25E-06	3.28E-05	5.19E-05
219	2.54E-06	2.34E-05	4.03E-05	2.47E-06	2.31E-05	4.08E-05	3.23E-06	3.28E-05	5.19E-05
220	2.53E-06	2.33E-05	4.03E-05	2.47E-06	2.29E-05	4.08E-05	3.23E-06	3.27E-05	5.18E-05
221	2.53E-06	2.33E-05	4.02E-05	2.46E-06	2.29E-05	4.08E-05	3.23E-06	3.26E-05	5.18E-05
222	2.53E-06	2.33E-05	4.01E-05	2.46E-06	2.29E-05	4.08E-05	3.22E-06	3.24E-05	5.17E-05
223	2.52E-06	2.32E-05	4.01E-05	2.45E-06	2.28E-05	4.05E-05	3.22E-06	3.24E-05	5.17E-05
224	2.51E-06	2.32E-05	4.00E-05	2.45E-06	2.28E-05	4.04E-05	3.21E-06	3.24E-05	5.16E-05
225	2.51E-06	2.31E-05	4.00E-05	2.45E-06	2.28E-05	4.02E-05	3.20E-06	3.23E-05	5.15E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
226	2.51E-06	2.31E-05	3.99E-05	2.44E-06	2.28E-05	4.02E-05	3.20E-06	3.23E-05	5.15E-05
227	2.50E-06	2.31E-05	3.98E-05	2.43E-06	2.27E-05	4.02E-05	3.19E-06	3.21E-05	5.14E-05
228	2.50E-06	2.30E-05	3.97E-05	2.42E-06	2.27E-05	3.98E-05	3.19E-06	3.21E-05	5.14E-05
229	2.49E-06	2.30E-05	3.97E-05	2.42E-06	2.27E-05	3.98E-05	3.18E-06	3.19E-05	5.13E-05
230	2.49E-06	2.30E-05	3.96E-05	2.41E-06	2.27E-05	3.96E-05	3.18E-06	3.18E-05	5.11E-05
231	2.48E-06	2.30E-05	3.95E-05	2.41E-06	2.26E-05	3.95E-05	3.18E-06	3.17E-05	5.10E-05
232	2.48E-06	2.29E-05	3.93E-05	2.40E-06	2.26E-05	3.92E-05	3.16E-06	3.16E-05	5.10E-05
233	2.47E-06	2.29E-05	3.93E-05	2.40E-06	2.25E-05	3.92E-05	3.14E-06	3.16E-05	5.09E-05
234	2.45E-06	2.28E-05	3.92E-05	2.40E-06	2.25E-05	3.91E-05	3.14E-06	3.15E-05	5.08E-05
235	2.44E-06	2.28E-05	3.90E-05	2.39E-06	2.24E-05	3.89E-05	3.14E-06	3.14E-05	5.08E-05
236	2.43E-06	2.27E-05	3.90E-05	2.39E-06	2.24E-05	3.88E-05	3.14E-06	3.13E-05	5.06E-05
237	2.43E-06	2.26E-05	3.87E-05	2.39E-06	2.24E-05	3.87E-05	3.12E-06	3.13E-05	5.03E-05
238	2.42E-06	2.26E-05	3.87E-05	2.38E-06	2.23E-05	3.85E-05	3.11E-06	3.12E-05	5.03E-05
239	2.41E-06	2.26E-05	3.87E-05	2.38E-06	2.23E-05	3.84E-05	3.11E-06	3.10E-05	5.02E-05
240	2.39E-06	2.24E-05	3.86E-05	2.38E-06	2.23E-05	3.84E-05	3.11E-06	3.09E-05	5.01E-05
241	2.39E-06	2.24E-05	3.86E-05	2.37E-06	2.20E-05	3.83E-05	3.10E-06	3.08E-05	5.00E-05
242	2.38E-06	2.24E-05	3.84E-05	2.37E-06	2.20E-05	3.83E-05	3.10E-06	3.07E-05	5.00E-05
243	2.38E-06	2.23E-05	3.83E-05	2.37E-06	2.20E-05	3.81E-05	3.09E-06	3.07E-05	4.99E-05
244	2.38E-06	2.23E-05	3.81E-05	2.36E-06	2.19E-05	3.77E-05	3.09E-06	3.06E-05	4.98E-05
245	2.36E-06	2.23E-05	3.81E-05	2.36E-06	2.19E-05	3.75E-05	3.08E-06	3.06E-05	4.98E-05
246	2.36E-06	2.23E-05	3.81E-05	2.35E-06	2.19E-05	3.75E-05	3.06E-06	3.05E-05	4.96E-05
247	2.35E-06	2.22E-05	3.81E-05	2.35E-06	2.19E-05	3.74E-05	3.06E-06	3.05E-05	4.95E-05
248	2.34E-06	2.22E-05	3.81E-05	2.35E-06	2.18E-05	3.74E-05	3.05E-06	3.04E-05	4.93E-05
249	2.34E-06	2.22E-05	3.79E-05	2.35E-06	2.17E-05	3.74E-05	3.05E-06	3.01E-05	4.92E-05
250	2.33E-06	2.21E-05	3.77E-05	2.34E-06	2.17E-05	3.74E-05	3.05E-06	3.01E-05	4.91E-05
251	2.33E-06	2.21E-05	3.77E-05	2.34E-06	2.17E-05	3.74E-05	3.04E-06	3.00E-05	4.91E-05
252	2.33E-06	2.21E-05	3.75E-05	2.34E-06	2.17E-05	3.73E-05	3.03E-06	2.99E-05	4.91E-05
253	2.32E-06	2.20E-05	3.75E-05	2.34E-06	2.17E-05	3.73E-05	3.02E-06	2.98E-05	4.90E-05
254	2.30E-06	2.20E-05	3.74E-05	2.33E-06	2.17E-05	3.72E-05	3.01E-06	2.98E-05	4.89E-05
255	2.30E-06	2.19E-05	3.73E-05	2.32E-06	2.17E-05	3.71E-05	3.01E-06	2.97E-05	4.89E-05
256	2.29E-06	2.19E-05	3.72E-05	2.32E-06	2.16E-05	3.71E-05	3.00E-06	2.96E-05	4.88E-05
257	2.29E-06	2.19E-05	3.71E-05	2.31E-06	2.16E-05	3.71E-05	3.00E-06	2.96E-05	4.88E-05
258	2.27E-06	2.19E-05	3.70E-05	2.31E-06	2.16E-05	3.71E-05	3.00E-06	2.94E-05	4.86E-05
259	2.27E-06	2.18E-05	3.68E-05	2.30E-06	2.15E-05	3.71E-05	3.00E-06	2.92E-05	4.86E-05
260	2.27E-06	2.18E-05	3.67E-05	2.30E-06	2.14E-05	3.68E-05	2.99E-06	2.92E-05	4.84E-05
261	2.27E-06	2.18E-05	3.67E-05	2.29E-06	2.14E-05	3.68E-05	2.98E-06	2.91E-05	4.84E-05
262	2.27E-06	2.17E-05	3.67E-05	2.29E-06	2.14E-05	3.67E-05	2.97E-06	2.91E-05	4.83E-05
263	2.26E-06	2.17E-05	3.66E-05	2.28E-06	2.13E-05	3.67E-05	2.97E-06	2.90E-05	4.83E-05
264	2.25E-06	2.17E-05	3.66E-05	2.27E-06	2.13E-05	3.66E-05	2.97E-06	2.89E-05	4.82E-05
265	2.25E-06	2.16E-05	3.66E-05	2.27E-06	2.12E-05	3.65E-05	2.97E-06	2.88E-05	4.79E-05
266	2.24E-06	2.16E-05	3.65E-05	2.26E-06	2.11E-05	3.65E-05	2.97E-06	2.87E-05	4.79E-05
267	2.24E-06	2.16E-05	3.65E-05	2.24E-06	2.11E-05	3.64E-05	2.95E-06	2.87E-05	4.79E-05
268	2.24E-06	2.15E-05	3.65E-05	2.23E-06	2.11E-05	3.63E-05	2.95E-06	2.86E-05	4.79E-05
269	2.23E-06	2.15E-05	3.64E-05	2.22E-06	2.10E-05	3.63E-05	2.94E-06	2.86E-05	4.77E-05
270	2.23E-06	2.15E-05	3.63E-05	2.22E-06	2.10E-05	3.62E-05	2.94E-06	2.85E-05	4.75E-05
271	2.23E-06	2.15E-05	3.63E-05	2.22E-06	2.10E-05	3.62E-05	2.94E-06	2.84E-05	4.75E-05
272	2.22E-06	2.15E-05	3.59E-05	2.21E-06	2.09E-05	3.61E-05	2.93E-06	2.84E-05	4.75E-05
273	2.22E-06	2.14E-05	3.57E-05	2.21E-06	2.09E-05	3.60E-05	2.93E-06	2.83E-05	4.75E-05
274	2.21E-06	2.14E-05	3.56E-05	2.21E-06	2.08E-05	3.60E-05	2.92E-06	2.83E-05	4.75E-05
275	2.21E-06	2.14E-05	3.56E-05	2.20E-06	2.08E-05	3.60E-05	2.92E-06	2.83E-05	4.75E-05
276	2.21E-06	2.14E-05	3.55E-05	2.19E-06	2.07E-05	3.60E-05	2.91E-06	2.82E-05	4.74E-05
277	2.20E-06	2.13E-05	3.54E-05	2.18E-06	2.07E-05	3.59E-05	2.91E-06	2.82E-05	4.74E-05
278	2.20E-06	2.13E-05	3.54E-05	2.18E-06	2.07E-05	3.58E-05	2.90E-06	2.82E-05	4.73E-05
279	2.20E-06	2.12E-05	3.54E-05	2.18E-06	2.07E-05	3.57E-05	2.90E-06	2.81E-05	4.73E-05
280	2.20E-06	2.12E-05	3.53E-05	2.18E-06	2.07E-05	3.56E-05	2.90E-06	2.80E-05	4.72E-05
281	2.19E-06	2.12E-05	3.53E-05	2.18E-06	2.07E-05	3.52E-05	2.90E-06	2.79E-05	4.72E-05
282	2.19E-06	2.12E-05	3.51E-05	2.18E-06	2.06E-05	3.51E-05	2.89E-06	2.79E-05	4.71E-05
283	2.19E-06	2.11E-05	3.49E-05	2.18E-06	2.06E-05	3.51E-05	2.88E-06	2.79E-05	4.71E-05
284	2.19E-06	2.11E-05	3.49E-05	2.17E-06	2.06E-05	3.51E-05	2.88E-06	2.79E-05	4.70E-05
285	2.18E-06	2.11E-05	3.49E-05	2.17E-06	2.06E-05	3.48E-05	2.87E-06	2.79E-05	4.68E-05
286	2.18E-06	2.11E-05	3.48E-05	2.17E-06	2.05E-05	3.48E-05	2.87E-06	2.78E-05	4.68E-05
287	2.18E-06	2.10E-05	3.46E-05	2.17E-06	2.05E-05	3.47E-05	2.87E-06	2.78E-05	4.67E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
288	2.18E-06	2.10E-05	3.46E-05	2.16E-06	2.05E-05	3.47E-05	2.87E-06	2.77E-05	4.67E-05
289	2.17E-06	2.10E-05	3.45E-05	2.16E-06	2.05E-05	3.45E-05	2.87E-06	2.77E-05	4.66E-05
290	2.16E-06	2.10E-05	3.44E-05	2.16E-06	2.04E-05	3.43E-05	2.86E-06	2.76E-05	4.66E-05
291	2.16E-06	2.08E-05	3.43E-05	2.15E-06	2.04E-05	3.43E-05	2.86E-06	2.76E-05	4.66E-05
292	2.16E-06	2.08E-05	3.42E-05	2.15E-06	2.03E-05	3.42E-05	2.85E-06	2.76E-05	4.63E-05
293	2.16E-06	2.07E-05	3.41E-05	2.14E-06	2.03E-05	3.42E-05	2.85E-06	2.76E-05	4.62E-05
294	2.16E-06	2.06E-05	3.41E-05	2.14E-06	2.03E-05	3.41E-05	2.85E-06	2.76E-05	4.62E-05
295	2.15E-06	2.06E-05	3.40E-05	2.12E-06	2.03E-05	3.41E-05	2.84E-06	2.75E-05	4.62E-05
296	2.15E-06	2.05E-05	3.39E-05	2.11E-06	2.02E-05	3.41E-05	2.84E-06	2.75E-05	4.62E-05
297	2.15E-06	2.04E-05	3.38E-05	2.11E-06	2.02E-05	3.39E-05	2.83E-06	2.73E-05	4.61E-05
298	2.15E-06	2.03E-05	3.38E-05	2.10E-06	2.02E-05	3.38E-05	2.82E-06	2.73E-05	4.61E-05
299	2.15E-06	2.03E-05	3.36E-05	2.08E-06	2.01E-05	3.38E-05	2.82E-06	2.73E-05	4.61E-05
300	2.15E-06	2.02E-05	3.36E-05	2.07E-06	2.01E-05	3.38E-05	2.82E-06	2.73E-05	4.59E-05
301	2.15E-06	2.01E-05	3.36E-05	2.07E-06	2.01E-05	3.37E-05	2.82E-06	2.72E-05	4.57E-05
302	2.14E-06	2.01E-05	3.34E-05	2.07E-06	2.00E-05	3.37E-05	2.81E-06	2.72E-05	4.56E-05
303	2.14E-06	2.00E-05	3.34E-05	2.07E-06	2.00E-05	3.37E-05	2.81E-06	2.72E-05	4.55E-05
304	2.13E-06	2.00E-05	3.34E-05	2.06E-06	2.00E-05	3.37E-05	2.81E-06	2.70E-05	4.55E-05
305	2.13E-06	1.99E-05	3.33E-05	2.06E-06	2.00E-05	3.37E-05	2.81E-06	2.70E-05	4.54E-05
306	2.13E-06	1.99E-05	3.33E-05	2.05E-06	1.99E-05	3.35E-05	2.81E-06	2.70E-05	4.53E-05
307	2.13E-06	1.99E-05	3.33E-05	2.05E-06	1.98E-05	3.34E-05	2.80E-06	2.69E-05	4.52E-05
308	2.12E-06	1.99E-05	3.33E-05	2.05E-06	1.98E-05	3.34E-05	2.80E-06	2.69E-05	4.52E-05
309	2.12E-06	1.99E-05	3.32E-05	2.05E-06	1.97E-05	3.33E-05	2.79E-06	2.69E-05	4.52E-05
310	2.12E-06	1.99E-05	3.32E-05	2.05E-06	1.97E-05	3.33E-05	2.79E-06	2.68E-05	4.51E-05
311	2.12E-06	1.98E-05	3.31E-05	2.05E-06	1.97E-05	3.32E-05	2.79E-06	2.68E-05	4.50E-05
312	2.11E-06	1.98E-05	3.31E-05	2.05E-06	1.96E-05	3.30E-05	2.79E-06	2.67E-05	4.50E-05
313	2.11E-06	1.98E-05	3.30E-05	2.05E-06	1.95E-05	3.30E-05	2.78E-06	2.67E-05	4.49E-05
314	2.10E-06	1.97E-05	3.30E-05	2.04E-06	1.95E-05	3.29E-05	2.76E-06	2.66E-05	4.49E-05
315	2.10E-06	1.97E-05	3.30E-05	2.04E-06	1.95E-05	3.29E-05	2.76E-06	2.65E-05	4.49E-05
316	2.10E-06	1.97E-05	3.29E-05	2.03E-06	1.95E-05	3.28E-05	2.75E-06	2.65E-05	4.49E-05
317	2.09E-06	1.96E-05	3.28E-05	2.03E-06	1.95E-05	3.28E-05	2.75E-06	2.64E-05	4.48E-05
318	2.09E-06	1.96E-05	3.28E-05	2.03E-06	1.95E-05	3.28E-05	2.75E-06	2.64E-05	4.48E-05
319	2.09E-06	1.96E-05	3.27E-05	2.03E-06	1.95E-05	3.28E-05	2.74E-06	2.64E-05	4.48E-05
320	2.08E-06	1.96E-05	3.27E-05	2.02E-06	1.94E-05	3.27E-05	2.74E-06	2.64E-05	4.48E-05
321	2.08E-06	1.96E-05	3.27E-05	2.02E-06	1.94E-05	3.26E-05	2.74E-06	2.63E-05	4.47E-05
322	2.08E-06	1.95E-05	3.26E-05	2.02E-06	1.93E-05	3.26E-05	2.74E-06	2.63E-05	4.45E-05
323	2.08E-06	1.95E-05	3.26E-05	2.02E-06	1.93E-05	3.25E-05	2.73E-06	2.63E-05	4.44E-05
324	2.08E-06	1.94E-05	3.26E-05	2.02E-06	1.93E-05	3.25E-05	2.73E-06	2.63E-05	4.44E-05
325	2.07E-06	1.94E-05	3.24E-05	2.02E-06	1.92E-05	3.25E-05	2.73E-06	2.63E-05	4.44E-05
326	2.07E-06	1.94E-05	3.24E-05	2.00E-06	1.91E-05	3.24E-05	2.71E-06	2.62E-05	4.43E-05
327	2.06E-06	1.94E-05	3.24E-05	2.00E-06	1.91E-05	3.23E-05	2.71E-06	2.62E-05	4.43E-05
328	2.05E-06	1.94E-05	3.23E-05	2.00E-06	1.91E-05	3.22E-05	2.70E-06	2.61E-05	4.41E-05
329	2.05E-06	1.93E-05	3.23E-05	2.00E-06	1.90E-05	3.22E-05	2.70E-06	2.61E-05	4.41E-05
330	2.05E-06	1.93E-05	3.23E-05	2.00E-06	1.89E-05	3.19E-05	2.69E-06	2.60E-05	4.40E-05
331	2.02E-06	1.93E-05	3.22E-05	1.99E-06	1.89E-05	3.18E-05	2.69E-06	2.60E-05	4.40E-05
332	2.02E-06	1.93E-05	3.21E-05	1.99E-06	1.89E-05	3.18E-05	2.68E-06	2.59E-05	4.39E-05
333	2.01E-06	1.93E-05	3.21E-05	1.99E-06	1.89E-05	3.18E-05	2.68E-06	2.59E-05	4.38E-05
334	2.01E-06	1.92E-05	3.20E-05	1.98E-06	1.88E-05	3.18E-05	2.68E-06	2.59E-05	4.37E-05
335	2.01E-06	1.91E-05	3.19E-05	1.98E-06	1.87E-05	3.17E-05	2.67E-06	2.58E-05	4.35E-05
336	2.00E-06	1.91E-05	3.18E-05	1.98E-06	1.86E-05	3.17E-05	2.67E-06	2.58E-05	4.34E-05
337	2.00E-06	1.91E-05	3.18E-05	1.98E-06	1.86E-05	3.15E-05	2.67E-06	2.58E-05	4.33E-05
338	1.99E-06	1.90E-05	3.17E-05	1.97E-06	1.86E-05	3.15E-05	2.67E-06	2.58E-05	4.33E-05
339	1.99E-06	1.90E-05	3.16E-05	1.97E-06	1.86E-05	3.15E-05	2.66E-06	2.57E-05	4.32E-05
340	1.99E-06	1.90E-05	3.15E-05	1.97E-06	1.85E-05	3.15E-05	2.66E-06	2.57E-05	4.32E-05
341	1.99E-06	1.90E-05	3.14E-05	1.96E-06	1.85E-05	3.14E-05	2.66E-06	2.56E-05	4.32E-05
342	1.99E-06	1.89E-05	3.14E-05	1.96E-06	1.84E-05	3.14E-05	2.65E-06	2.55E-05	4.32E-05
343	1.99E-06	1.89E-05	3.14E-05	1.96E-06	1.84E-05	3.13E-05	2.65E-06	2.55E-05	4.31E-05
344	1.98E-06	1.89E-05	3.13E-05	1.96E-06	1.83E-05	3.12E-05	2.65E-06	2.55E-05	4.31E-05
345	1.98E-06	1.89E-05	3.13E-05	1.96E-06	1.83E-05	3.11E-05	2.64E-06	2.55E-05	4.30E-05
346	1.98E-06	1.89E-05	3.10E-05	1.95E-06	1.82E-05	3.11E-05	2.64E-06	2.55E-05	4.29E-05
347	1.97E-06	1.88E-05	3.10E-05	1.95E-06	1.82E-05	3.11E-05	2.64E-06	2.55E-05	4.29E-05
348	1.97E-06	1.87E-05	3.10E-05	1.95E-06	1.82E-05	3.10E-05	2.63E-06	2.55E-05	4.28E-05
349	1.97E-06	1.86E-05	3.10E-05	1.95E-06	1.82E-05	3.10E-05	2.63E-06	2.55E-05	4.28E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
350	1.97E-06	1.86E-05	3.10E-05	1.95E-06	1.82E-05	3.09E-05	2.63E-06	2.53E-05	4.27E-05
351	1.96E-06	1.86E-05	3.09E-05	1.94E-06	1.82E-05	3.09E-05	2.63E-06	2.53E-05	4.26E-05
352	1.96E-06	1.86E-05	3.09E-05	1.93E-06	1.81E-05	3.08E-05	2.62E-06	2.52E-05	4.25E-05
353	1.96E-06	1.85E-05	3.09E-05	1.93E-06	1.81E-05	3.07E-05	2.62E-06	2.52E-05	4.25E-05
354	1.95E-06	1.84E-05	3.08E-05	1.93E-06	1.81E-05	3.07E-05	2.62E-06	2.52E-05	4.25E-05
355	1.94E-06	1.84E-05	3.08E-05	1.93E-06	1.80E-05	3.06E-05	2.62E-06	2.52E-05	4.25E-05
356	1.93E-06	1.84E-05	3.08E-05	1.92E-06	1.80E-05	3.06E-05	2.61E-06	2.51E-05	4.24E-05
357	1.93E-06	1.84E-05	3.08E-05	1.92E-06	1.80E-05	3.06E-05	2.60E-06	2.50E-05	4.22E-05
358	1.93E-06	1.84E-05	3.07E-05	1.92E-06	1.79E-05	3.06E-05	2.60E-06	2.50E-05	4.21E-05
359	1.93E-06	1.84E-05	3.07E-05	1.92E-06	1.79E-05	3.05E-05	2.59E-06	2.50E-05	4.21E-05
360	1.93E-06	1.83E-05	3.07E-05	1.92E-06	1.79E-05	3.05E-05	2.59E-06	2.50E-05	4.21E-05
361	1.92E-06	1.83E-05	3.07E-05	1.92E-06	1.79E-05	3.05E-05	2.58E-06	2.49E-05	4.21E-05
362	1.92E-06	1.83E-05	3.07E-05	1.92E-06	1.78E-05	3.04E-05	2.57E-06	2.49E-05	4.21E-05
363	1.92E-06	1.83E-05	3.06E-05	1.91E-06	1.78E-05	3.04E-05	2.56E-06	2.49E-05	4.20E-05
364	1.91E-06	1.83E-05	3.06E-05	1.91E-06	1.77E-05	3.04E-05	2.56E-06	2.49E-05	4.20E-05
365	1.91E-06	1.83E-05	3.06E-05	1.91E-06	1.77E-05	3.03E-05	2.55E-06	2.49E-05	4.19E-05
366	1.91E-06	1.83E-05	3.06E-05	1.90E-06	1.77E-05	3.03E-05	2.55E-06	2.49E-05	4.19E-05
367	1.90E-06	1.83E-05	3.05E-05	1.90E-06	1.77E-05	3.03E-05	2.55E-06	2.48E-05	4.18E-05
368	1.90E-06	1.82E-05	3.05E-05	1.90E-06	1.77E-05	3.03E-05	2.54E-06	2.47E-05	4.17E-05
369	1.90E-06	1.82E-05	3.05E-05	1.90E-06	1.76E-05	3.03E-05	2.54E-06	2.47E-05	4.17E-05
370	1.89E-06	1.81E-05	3.04E-05	1.89E-06	1.76E-05	3.02E-05	2.54E-06	2.46E-05	4.17E-05
371	1.88E-06	1.81E-05	3.04E-05	1.89E-06	1.76E-05	3.01E-05	2.54E-06	2.46E-05	4.16E-05
372	1.88E-06	1.80E-05	3.03E-05	1.89E-06	1.76E-05	3.01E-05	2.54E-06	2.46E-05	4.15E-05
373	1.88E-06	1.80E-05	3.03E-05	1.89E-06	1.75E-05	3.01E-05	2.54E-06	2.45E-05	4.15E-05
374	1.88E-06	1.79E-05	3.03E-05	1.88E-06	1.75E-05	3.01E-05	2.54E-06	2.45E-05	4.14E-05
375	1.88E-06	1.79E-05	3.03E-05	1.87E-06	1.75E-05	2.99E-05	2.54E-06	2.45E-05	4.14E-05
376	1.88E-06	1.79E-05	3.03E-05	1.87E-06	1.75E-05	2.99E-05	2.52E-06	2.44E-05	4.14E-05
377	1.88E-06	1.79E-05	3.02E-05	1.87E-06	1.75E-05	2.99E-05	2.52E-06	2.44E-05	4.14E-05
378	1.88E-06	1.79E-05	3.02E-05	1.86E-06	1.75E-05	2.99E-05	2.52E-06	2.44E-05	4.13E-05
379	1.87E-06	1.79E-05	3.01E-05	1.86E-06	1.75E-05	2.98E-05	2.51E-06	2.44E-05	4.13E-05
380	1.87E-06	1.78E-05	3.01E-05	1.86E-06	1.74E-05	2.98E-05	2.51E-06	2.43E-05	4.12E-05
381	1.87E-06	1.78E-05	3.01E-05	1.86E-06	1.74E-05	2.97E-05	2.51E-06	2.43E-05	4.12E-05
382	1.87E-06	1.78E-05	3.00E-05	1.86E-06	1.74E-05	2.96E-05	2.51E-06	2.43E-05	4.12E-05
383	1.86E-06	1.78E-05	2.99E-05	1.86E-06	1.74E-05	2.96E-05	2.50E-06	2.43E-05	4.12E-05
384	1.86E-06	1.78E-05	2.99E-05	1.86E-06	1.74E-05	2.96E-05	2.50E-06	2.42E-05	4.11E-05
385	1.86E-06	1.77E-05	2.98E-05	1.85E-06	1.73E-05	2.95E-05	2.49E-06	2.42E-05	4.11E-05
386	1.86E-06	1.76E-05	2.98E-05	1.85E-06	1.73E-05	2.95E-05	2.49E-06	2.42E-05	4.09E-05
387	1.85E-06	1.76E-05	2.98E-05	1.85E-06	1.73E-05	2.95E-05	2.48E-06	2.42E-05	4.09E-05
388	1.85E-06	1.76E-05	2.98E-05	1.84E-06	1.73E-05	2.95E-05	2.48E-06	2.42E-05	4.08E-05
389	1.84E-06	1.76E-05	2.97E-05	1.84E-06	1.73E-05	2.95E-05	2.48E-06	2.42E-05	4.08E-05
390	1.84E-06	1.75E-05	2.95E-05	1.84E-06	1.72E-05	2.94E-05	2.48E-06	2.42E-05	4.07E-05
391	1.84E-06	1.75E-05	2.95E-05	1.84E-06	1.71E-05	2.94E-05	2.48E-06	2.41E-05	4.07E-05
392	1.84E-06	1.75E-05	2.95E-05	1.84E-06	1.71E-05	2.94E-05	2.47E-06	2.41E-05	4.07E-05
393	1.84E-06	1.75E-05	2.94E-05	1.83E-06	1.71E-05	2.94E-05	2.47E-06	2.40E-05	4.06E-05
394	1.84E-06	1.75E-05	2.94E-05	1.83E-06	1.71E-05	2.93E-05	2.47E-06	2.40E-05	4.06E-05
395	1.83E-06	1.74E-05	2.94E-05	1.82E-06	1.70E-05	2.93E-05	2.47E-06	2.40E-05	4.05E-05
396	1.83E-06	1.74E-05	2.94E-05	1.82E-06	1.70E-05	2.93E-05	2.46E-06	2.40E-05	4.05E-05
397	1.83E-06	1.74E-05	2.93E-05	1.82E-06	1.70E-05	2.92E-05	2.46E-06	2.39E-05	4.05E-05
398	1.82E-06	1.74E-05	2.92E-05	1.82E-06	1.70E-05	2.91E-05	2.46E-06	2.39E-05	4.04E-05
399	1.82E-06	1.73E-05	2.92E-05	1.81E-06	1.70E-05	2.91E-05	2.46E-06	2.39E-05	4.03E-05
400	1.82E-06	1.73E-05	2.92E-05	1.80E-06	1.70E-05	2.91E-05	2.45E-06	2.38E-05	4.01E-05
401	1.82E-06	1.73E-05	2.92E-05	1.79E-06	1.69E-05	2.91E-05	2.45E-06	2.37E-05	3.99E-05
402	1.82E-06	1.73E-05	2.92E-05	1.79E-06	1.69E-05	2.90E-05	2.45E-06	2.37E-05	3.99E-05
403	1.81E-06	1.73E-05	2.91E-05	1.79E-06	1.69E-05	2.90E-05	2.45E-06	2.37E-05	3.99E-05
404	1.81E-06	1.72E-05	2.91E-05	1.79E-06	1.69E-05	2.90E-05	2.45E-06	2.36E-05	3.98E-05
405	1.81E-06	1.72E-05	2.90E-05	1.79E-06	1.69E-05	2.89E-05	2.45E-06	2.36E-05	3.98E-05
406	1.81E-06	1.72E-05	2.89E-05	1.79E-06	1.69E-05	2.89E-05	2.44E-06	2.36E-05	3.97E-05
407	1.80E-06	1.72E-05	2.89E-05	1.79E-06	1.69E-05	2.88E-05	2.44E-06	2.35E-05	3.96E-05
408	1.80E-06	1.72E-05	2.89E-05	1.79E-06	1.68E-05	2.88E-05	2.44E-06	2.35E-05	3.96E-05
409	1.80E-06	1.72E-05	2.89E-05	1.78E-06	1.68E-05	2.88E-05	2.44E-06	2.35E-05	3.96E-05
410	1.80E-06	1.72E-05	2.89E-05	1.78E-06	1.68E-05	2.87E-05	2.44E-06	2.34E-05	3.96E-05
411	1.80E-06	1.72E-05	2.88E-05	1.78E-06	1.68E-05	2.87E-05	2.43E-06	2.34E-05	3.95E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
412	1.80E-06	1.72E-05	2.88E-05	1.77E-06	1.67E-05	2.86E-05	2.42E-06	2.34E-05	3.94E-05
413	1.79E-06	1.71E-05	2.88E-05	1.77E-06	1.67E-05	2.86E-05	2.41E-06	2.33E-05	3.93E-05
414	1.79E-06	1.71E-05	2.87E-05	1.77E-06	1.67E-05	2.86E-05	2.40E-06	2.33E-05	3.93E-05
415	1.78E-06	1.71E-05	2.87E-05	1.77E-06	1.67E-05	2.85E-05	2.40E-06	2.32E-05	3.93E-05
416	1.78E-06	1.71E-05	2.87E-05	1.76E-06	1.66E-05	2.84E-05	2.40E-06	2.32E-05	3.93E-05
417	1.78E-06	1.71E-05	2.87E-05	1.76E-06	1.66E-05	2.84E-05	2.40E-06	2.32E-05	3.93E-05
418	1.78E-06	1.70E-05	2.87E-05	1.75E-06	1.66E-05	2.84E-05	2.39E-06	2.32E-05	3.91E-05
419	1.78E-06	1.70E-05	2.87E-05	1.75E-06	1.66E-05	2.84E-05	2.39E-06	2.32E-05	3.91E-05
420	1.77E-06	1.70E-05	2.86E-05	1.75E-06	1.66E-05	2.84E-05	2.39E-06	2.31E-05	3.91E-05
421	1.77E-06	1.70E-05	2.86E-05	1.75E-06	1.66E-05	2.84E-05	2.39E-06	2.31E-05	3.90E-05
422	1.77E-06	1.69E-05	2.86E-05	1.74E-06	1.66E-05	2.83E-05	2.39E-06	2.31E-05	3.90E-05
423	1.77E-06	1.69E-05	2.86E-05	1.74E-06	1.65E-05	2.83E-05	2.38E-06	2.31E-05	3.89E-05
424	1.76E-06	1.69E-05	2.85E-05	1.74E-06	1.65E-05	2.83E-05	2.38E-06	2.31E-05	3.89E-05
425	1.76E-06	1.69E-05	2.85E-05	1.74E-06	1.65E-05	2.83E-05	2.38E-06	2.30E-05	3.89E-05
426	1.76E-06	1.69E-05	2.84E-05	1.74E-06	1.65E-05	2.82E-05	2.38E-06	2.30E-05	3.87E-05
427	1.75E-06	1.68E-05	2.83E-05	1.74E-06	1.65E-05	2.82E-05	2.38E-06	2.29E-05	3.87E-05
428	1.75E-06	1.68E-05	2.83E-05	1.73E-06	1.64E-05	2.82E-05	2.37E-06	2.29E-05	3.84E-05
429	1.75E-06	1.68E-05	2.82E-05	1.72E-06	1.64E-05	2.82E-05	2.37E-06	2.29E-05	3.84E-05
430	1.74E-06	1.68E-05	2.82E-05	1.72E-06	1.64E-05	2.82E-05	2.36E-06	2.29E-05	3.83E-05
431	1.74E-06	1.68E-05	2.82E-05	1.72E-06	1.64E-05	2.82E-05	2.36E-06	2.28E-05	3.83E-05
432	1.74E-06	1.67E-05	2.81E-05	1.71E-06	1.64E-05	2.81E-05	2.35E-06	2.28E-05	3.83E-05
433	1.74E-06	1.67E-05	2.81E-05	1.71E-06	1.64E-05	2.81E-05	2.34E-06	2.27E-05	3.82E-05
434	1.74E-06	1.67E-05	2.81E-05	1.71E-06	1.64E-05	2.81E-05	2.33E-06	2.26E-05	3.82E-05
435	1.74E-06	1.67E-05	2.80E-05	1.71E-06	1.64E-05	2.80E-05	2.32E-06	2.26E-05	3.81E-05
436	1.73E-06	1.67E-05	2.80E-05	1.71E-06	1.63E-05	2.80E-05	2.32E-06	2.26E-05	3.80E-05
437	1.73E-06	1.67E-05	2.80E-05	1.71E-06	1.63E-05	2.79E-05	2.32E-06	2.26E-05	3.79E-05
438	1.73E-06	1.66E-05	2.80E-05	1.70E-06	1.63E-05	2.79E-05	2.32E-06	2.25E-05	3.78E-05
439	1.72E-06	1.66E-05	2.79E-05	1.69E-06	1.63E-05	2.78E-05	2.32E-06	2.24E-05	3.78E-05
440	1.72E-06	1.66E-05	2.79E-05	1.69E-06	1.62E-05	2.77E-05	2.32E-06	2.24E-05	3.78E-05
441	1.72E-06	1.66E-05	2.79E-05	1.69E-06	1.62E-05	2.77E-05	2.31E-06	2.24E-05	3.78E-05
442	1.72E-06	1.66E-05	2.79E-05	1.69E-06	1.62E-05	2.76E-05	2.31E-06	2.24E-05	3.77E-05
443	1.72E-06	1.65E-05	2.78E-05	1.69E-06	1.62E-05	2.76E-05	2.31E-06	2.23E-05	3.77E-05
444	1.72E-06	1.65E-05	2.78E-05	1.69E-06	1.62E-05	2.76E-05	2.31E-06	2.23E-05	3.77E-05
445	1.72E-06	1.65E-05	2.78E-05	1.68E-06	1.62E-05	2.75E-05	2.31E-06	2.23E-05	3.76E-05
446	1.71E-06	1.65E-05	2.78E-05	1.68E-06	1.62E-05	2.75E-05	2.31E-06	2.23E-05	3.75E-05
447	1.71E-06	1.65E-05	2.78E-05	1.68E-06	1.61E-05	2.74E-05	2.30E-06	2.23E-05	3.75E-05
448	1.71E-06	1.65E-05	2.76E-05	1.67E-06	1.61E-05	2.74E-05	2.29E-06	2.23E-05	3.74E-05
449	1.71E-06	1.64E-05	2.76E-05	1.67E-06	1.61E-05	2.74E-05	2.29E-06	2.23E-05	3.74E-05
450	1.70E-06	1.64E-05	2.76E-05	1.67E-06	1.61E-05	2.73E-05	2.29E-06	2.22E-05	3.73E-05
451	1.70E-06	1.64E-05	2.75E-05	1.67E-06	1.61E-05	2.72E-05	2.28E-06	2.22E-05	3.72E-05
452	1.69E-06	1.64E-05	2.75E-05	1.67E-06	1.61E-05	2.71E-05	2.28E-06	2.22E-05	3.71E-05
453	1.69E-06	1.64E-05	2.75E-05	1.66E-06	1.60E-05	2.71E-05	2.28E-06	2.21E-05	3.71E-05
454	1.69E-06	1.64E-05	2.75E-05	1.66E-06	1.60E-05	2.71E-05	2.27E-06	2.20E-05	3.71E-05
455	1.69E-06	1.64E-05	2.74E-05	1.66E-06	1.60E-05	2.71E-05	2.27E-06	2.20E-05	3.71E-05
456	1.69E-06	1.64E-05	2.74E-05	1.66E-06	1.60E-05	2.71E-05	2.27E-06	2.20E-05	3.70E-05
457	1.68E-06	1.63E-05	2.74E-05	1.66E-06	1.60E-05	2.70E-05	2.27E-06	2.20E-05	3.70E-05
458	1.68E-06	1.63E-05	2.74E-05	1.66E-06	1.60E-05	2.70E-05	2.26E-06	2.19E-05	3.69E-05
459	1.68E-06	1.63E-05	2.74E-05	1.66E-06	1.60E-05	2.70E-05	2.26E-06	2.19E-05	3.69E-05
460	1.68E-06	1.63E-05	2.74E-05	1.66E-06	1.60E-05	2.70E-05	2.26E-06	2.19E-05	3.69E-05
461	1.68E-06	1.63E-05	2.73E-05	1.65E-06	1.59E-05	2.70E-05	2.25E-06	2.18E-05	3.68E-05
462	1.67E-06	1.63E-05	2.73E-05	1.65E-06	1.59E-05	2.69E-05	2.25E-06	2.18E-05	3.68E-05
463	1.67E-06	1.63E-05	2.73E-05	1.65E-06	1.58E-05	2.69E-05	2.25E-06	2.18E-05	3.68E-05
464	1.66E-06	1.62E-05	2.73E-05	1.65E-06	1.58E-05	2.68E-05	2.25E-06	2.18E-05	3.68E-05
465	1.66E-06	1.62E-05	2.73E-05	1.65E-06	1.57E-05	2.68E-05	2.25E-06	2.17E-05	3.66E-05
466	1.66E-06	1.62E-05	2.72E-05	1.64E-06	1.57E-05	2.68E-05	2.24E-06	2.17E-05	3.66E-05
467	1.66E-06	1.62E-05	2.72E-05	1.64E-06	1.57E-05	2.67E-05	2.24E-06	2.17E-05	3.66E-05
468	1.66E-06	1.62E-05	2.71E-05	1.64E-06	1.57E-05	2.67E-05	2.24E-06	2.17E-05	3.65E-05
469	1.66E-06	1.62E-05	2.70E-05	1.64E-06	1.56E-05	2.67E-05	2.24E-06	2.16E-05	3.65E-05
470	1.66E-06	1.61E-05	2.70E-05	1.64E-06	1.56E-05	2.66E-05	2.23E-06	2.16E-05	3.65E-05
471	1.66E-06	1.61E-05	2.70E-05	1.63E-06	1.56E-05	2.66E-05	2.23E-06	2.15E-05	3.65E-05
472	1.66E-06	1.61E-05	2.70E-05	1.63E-06	1.56E-05	2.65E-05	2.23E-06	2.14E-05	3.65E-05
473	1.65E-06	1.61E-05	2.69E-05	1.63E-06	1.56E-05	2.65E-05	2.23E-06	2.14E-05	3.64E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
474	1.65E-06	1.60E-05	2.69E-05	1.63E-06	1.56E-05	2.65E-05	2.23E-06	2.14E-05	3.64E-05
475	1.65E-06	1.60E-05	2.69E-05	1.63E-06	1.56E-05	2.65E-05	2.22E-06	2.14E-05	3.63E-05
476	1.65E-06	1.60E-05	2.69E-05	1.63E-06	1.55E-05	2.64E-05	2.22E-06	2.14E-05	3.63E-05
477	1.65E-06	1.60E-05	2.68E-05	1.63E-06	1.55E-05	2.64E-05	2.22E-06	2.14E-05	3.63E-05
478	1.65E-06	1.60E-05	2.68E-05	1.63E-06	1.54E-05	2.64E-05	2.22E-06	2.13E-05	3.62E-05
479	1.65E-06	1.60E-05	2.68E-05	1.63E-06	1.53E-05	2.64E-05	2.22E-06	2.13E-05	3.62E-05
480	1.64E-06	1.60E-05	2.67E-05	1.63E-06	1.53E-05	2.63E-05	2.22E-06	2.13E-05	3.62E-05
481	1.64E-06	1.59E-05	2.67E-05	1.62E-06	1.53E-05	2.63E-05	2.21E-06	2.13E-05	3.62E-05
482	1.64E-06	1.59E-05	2.65E-05	1.62E-06	1.53E-05	2.63E-05	2.20E-06	2.12E-05	3.61E-05
483	1.64E-06	1.59E-05	2.65E-05	1.62E-06	1.53E-05	2.62E-05	2.20E-06	2.11E-05	3.61E-05
484	1.64E-06	1.59E-05	2.65E-05	1.62E-06	1.53E-05	2.62E-05	2.19E-06	2.11E-05	3.61E-05
485	1.64E-06	1.59E-05	2.65E-05	1.62E-06	1.52E-05	2.62E-05	2.19E-06	2.11E-05	3.61E-05
486	1.63E-06	1.59E-05	2.65E-05	1.61E-06	1.52E-05	2.61E-05	2.18E-06	2.11E-05	3.60E-05
487	1.63E-06	1.59E-05	2.65E-05	1.61E-06	1.52E-05	2.61E-05	2.18E-06	2.11E-05	3.60E-05
488	1.63E-06	1.58E-05	2.64E-05	1.61E-06	1.52E-05	2.61E-05	2.18E-06	2.11E-05	3.60E-05
489	1.63E-06	1.58E-05	2.64E-05	1.61E-06	1.52E-05	2.61E-05	2.18E-06	2.10E-05	3.60E-05
490	1.62E-06	1.58E-05	2.64E-05	1.61E-06	1.52E-05	2.60E-05	2.17E-06	2.10E-05	3.59E-05
491	1.62E-06	1.57E-05	2.63E-05	1.61E-06	1.52E-05	2.60E-05	2.17E-06	2.09E-05	3.59E-05
492	1.62E-06	1.57E-05	2.62E-05	1.61E-06	1.52E-05	2.60E-05	2.17E-06	2.09E-05	3.59E-05
493	1.62E-06	1.56E-05	2.62E-05	1.61E-06	1.52E-05	2.59E-05	2.17E-06	2.09E-05	3.59E-05
494	1.62E-06	1.56E-05	2.62E-05	1.61E-06	1.52E-05	2.59E-05	2.16E-06	2.08E-05	3.58E-05
495	1.62E-06	1.56E-05	2.62E-05	1.60E-06	1.52E-05	2.58E-05	2.16E-06	2.08E-05	3.58E-05
496	1.61E-06	1.56E-05	2.62E-05	1.60E-06	1.51E-05	2.58E-05	2.16E-06	2.08E-05	3.58E-05
497	1.61E-06	1.56E-05	2.62E-05	1.60E-06	1.51E-05	2.58E-05	2.16E-06	2.08E-05	3.58E-05
498	1.61E-06	1.56E-05	2.62E-05	1.60E-06	1.51E-05	2.58E-05	2.16E-06	2.08E-05	3.57E-05
499	1.61E-06	1.56E-05	2.62E-05	1.59E-06	1.51E-05	2.57E-05	2.16E-06	2.08E-05	3.57E-05
500	1.61E-06	1.56E-05	2.61E-05	1.59E-06	1.51E-05	2.57E-05	2.16E-06	2.08E-05	3.55E-05
501	1.61E-06	1.55E-05	2.61E-05	1.59E-06	1.51E-05	2.57E-05	2.15E-06	2.07E-05	3.54E-05
502	1.61E-06	1.55E-05	2.61E-05	1.59E-06	1.51E-05	2.57E-05	2.15E-06	2.07E-05	3.54E-05
503	1.61E-06	1.55E-05	2.61E-05	1.59E-06	1.51E-05	2.57E-05	2.15E-06	2.07E-05	3.54E-05
504	1.61E-06	1.55E-05	2.61E-05	1.59E-06	1.51E-05	2.57E-05	2.15E-06	2.07E-05	3.54E-05
505	1.60E-06	1.55E-05	2.61E-05	1.59E-06	1.50E-05	2.56E-05	2.15E-06	2.07E-05	3.54E-05
506	1.60E-06	1.55E-05	2.61E-05	1.59E-06	1.50E-05	2.55E-05	2.14E-06	2.07E-05	3.53E-05
507	1.60E-06	1.55E-05	2.60E-05	1.59E-06	1.50E-05	2.55E-05	2.14E-06	2.07E-05	3.53E-05
508	1.60E-06	1.55E-05	2.60E-05	1.59E-06	1.49E-05	2.55E-05	2.14E-06	2.07E-05	3.53E-05
509	1.60E-06	1.54E-05	2.60E-05	1.58E-06	1.49E-05	2.54E-05	2.14E-06	2.07E-05	3.52E-05
510	1.59E-06	1.54E-05	2.60E-05	1.58E-06	1.49E-05	2.54E-05	2.13E-06	2.06E-05	3.52E-05
511	1.59E-06	1.54E-05	2.59E-05	1.58E-06	1.49E-05	2.54E-05	2.13E-06	2.06E-05	3.51E-05
512	1.59E-06	1.54E-05	2.59E-05	1.58E-06	1.49E-05	2.54E-05	2.13E-06	2.06E-05	3.51E-05
513	1.59E-06	1.53E-05	2.59E-05	1.58E-06	1.49E-05	2.54E-05	2.13E-06	2.06E-05	3.50E-05
514	1.58E-06	1.53E-05	2.59E-05	1.58E-06	1.48E-05	2.53E-05	2.12E-06	2.06E-05	3.50E-05
515	1.58E-06	1.53E-05	2.58E-05	1.58E-06	1.48E-05	2.53E-05	2.12E-06	2.06E-05	3.50E-05
516	1.58E-06	1.52E-05	2.58E-05	1.57E-06	1.48E-05	2.53E-05	2.12E-06	2.06E-05	3.49E-05
517	1.58E-06	1.52E-05	2.57E-05	1.57E-06	1.48E-05	2.53E-05	2.11E-06	2.06E-05	3.48E-05
518	1.58E-06	1.52E-05	2.57E-05	1.57E-06	1.48E-05	2.53E-05	2.11E-06	2.06E-05	3.48E-05
519	1.57E-06	1.52E-05	2.57E-05	1.57E-06	1.48E-05	2.53E-05	2.11E-06	2.06E-05	3.48E-05
520	1.57E-06	1.52E-05	2.56E-05	1.57E-06	1.47E-05	2.52E-05	2.11E-06	2.06E-05	3.47E-05
521	1.57E-06	1.52E-05	2.56E-05	1.57E-06	1.47E-05	2.52E-05	2.10E-06	2.06E-05	3.47E-05
522	1.57E-06	1.52E-05	2.56E-05	1.56E-06	1.47E-05	2.52E-05	2.10E-06	2.05E-05	3.47E-05
523	1.57E-06	1.52E-05	2.55E-05	1.56E-06	1.47E-05	2.52E-05	2.10E-06	2.05E-05	3.47E-05
524	1.56E-06	1.52E-05	2.55E-05	1.56E-06	1.46E-05	2.52E-05	2.10E-06	2.05E-05	3.47E-05
525	1.56E-06	1.51E-05	2.55E-05	1.56E-06	1.46E-05	2.51E-05	2.10E-06	2.05E-05	3.47E-05
526	1.56E-06	1.51E-05	2.55E-05	1.56E-06	1.46E-05	2.51E-05	2.09E-06	2.05E-05	3.47E-05
527	1.56E-06	1.51E-05	2.54E-05	1.55E-06	1.46E-05	2.51E-05	2.09E-06	2.04E-05	3.46E-05
528	1.56E-06	1.51E-05	2.54E-05	1.55E-06	1.46E-05	2.51E-05	2.09E-06	2.04E-05	3.45E-05
529	1.55E-06	1.50E-05	2.54E-05	1.55E-06	1.45E-05	2.51E-05	2.08E-06	2.04E-05	3.45E-05
530	1.55E-06	1.50E-05	2.53E-05	1.55E-06	1.45E-05	2.50E-05	2.08E-06	2.04E-05	3.45E-05
531	1.55E-06	1.50E-05	2.53E-05	1.55E-06	1.45E-05	2.50E-05	2.08E-06	2.03E-05	3.45E-05
532	1.54E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.50E-05	2.08E-06	2.03E-05	3.44E-05
533	1.54E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.50E-05	2.07E-06	2.03E-05	3.43E-05
534	1.54E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.50E-05	2.07E-06	2.03E-05	3.43E-05
535	1.54E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.49E-05	2.07E-06	2.03E-05	3.43E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
536	1.54E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.49E-05	2.07E-06	2.02E-05	3.42E-05
537	1.53E-06	1.50E-05	2.53E-05	1.54E-06	1.44E-05	2.49E-05	2.06E-06	2.01E-05	3.42E-05
538	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.44E-05	2.49E-05	2.06E-06	2.01E-05	3.42E-05
539	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.44E-05	2.49E-05	2.06E-06	2.01E-05	3.42E-05
540	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.43E-05	2.48E-05	2.06E-06	2.01E-05	3.41E-05
541	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.43E-05	2.47E-05	2.06E-06	2.00E-05	3.41E-05
542	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.43E-05	2.47E-05	2.06E-06	2.00E-05	3.41E-05
543	1.53E-06	1.49E-05	2.52E-05	1.53E-06	1.43E-05	2.47E-05	2.05E-06	2.00E-05	3.40E-05
544	1.52E-06	1.49E-05	2.52E-05	1.53E-06	1.42E-05	2.47E-05	2.05E-06	2.00E-05	3.39E-05
545	1.52E-06	1.49E-05	2.51E-05	1.52E-06	1.42E-05	2.47E-05	2.05E-06	1.99E-05	3.39E-05
546	1.52E-06	1.49E-05	2.51E-05	1.52E-06	1.42E-05	2.46E-05	2.05E-06	1.99E-05	3.37E-05
547	1.52E-06	1.49E-05	2.51E-05	1.52E-06	1.42E-05	2.46E-05	2.05E-06	1.99E-05	3.37E-05
548	1.52E-06	1.49E-05	2.50E-05	1.52E-06	1.42E-05	2.46E-05	2.05E-06	1.99E-05	3.37E-05
549	1.52E-06	1.49E-05	2.50E-05	1.52E-06	1.42E-05	2.46E-05	2.04E-06	1.98E-05	3.35E-05
550	1.52E-06	1.49E-05	2.49E-05	1.52E-06	1.42E-05	2.45E-05	2.04E-06	1.98E-05	3.35E-05
551	1.51E-06	1.48E-05	2.49E-05	1.52E-06	1.42E-05	2.45E-05	2.03E-06	1.97E-05	3.33E-05
552	1.51E-06	1.47E-05	2.48E-05	1.51E-06	1.42E-05	2.45E-05	2.03E-06	1.97E-05	3.33E-05
553	1.51E-06	1.47E-05	2.48E-05	1.51E-06	1.41E-05	2.45E-05	2.03E-06	1.97E-05	3.33E-05
554	1.51E-06	1.47E-05	2.48E-05	1.51E-06	1.41E-05	2.44E-05	2.03E-06	1.97E-05	3.33E-05
555	1.51E-06	1.47E-05	2.47E-05	1.50E-06	1.41E-05	2.44E-05	2.03E-06	1.96E-05	3.33E-05
556	1.51E-06	1.46E-05	2.47E-05	1.50E-06	1.40E-05	2.44E-05	2.03E-06	1.96E-05	3.32E-05
557	1.51E-06	1.46E-05	2.47E-05	1.50E-06	1.40E-05	2.43E-05	2.03E-06	1.96E-05	3.32E-05
558	1.51E-06	1.46E-05	2.47E-05	1.50E-06	1.40E-05	2.43E-05	2.02E-06	1.96E-05	3.32E-05
559	1.51E-06	1.46E-05	2.47E-05	1.50E-06	1.40E-05	2.42E-05	2.02E-06	1.95E-05	3.32E-05
560	1.51E-06	1.46E-05	2.46E-05	1.50E-06	1.39E-05	2.42E-05	2.02E-06	1.95E-05	3.32E-05
561	1.50E-06	1.46E-05	2.46E-05	1.50E-06	1.39E-05	2.41E-05	2.02E-06	1.95E-05	3.31E-05
562	1.50E-06	1.46E-05	2.46E-05	1.49E-06	1.39E-05	2.41E-05	2.02E-06	1.95E-05	3.31E-05
563	1.50E-06	1.46E-05	2.45E-05	1.49E-06	1.39E-05	2.41E-05	2.02E-06	1.95E-05	3.31E-05
564	1.50E-06	1.46E-05	2.45E-05	1.49E-06	1.39E-05	2.41E-05	2.02E-06	1.95E-05	3.30E-05
565	1.49E-06	1.46E-05	2.45E-05	1.49E-06	1.39E-05	2.41E-05	2.02E-06	1.95E-05	3.30E-05
566	1.49E-06	1.45E-05	2.45E-05	1.49E-06	1.39E-05	2.40E-05	2.01E-06	1.95E-05	3.30E-05
567	1.49E-06	1.45E-05	2.45E-05	1.49E-06	1.39E-05	2.40E-05	2.01E-06	1.94E-05	3.29E-05
568	1.49E-06	1.45E-05	2.44E-05	1.49E-06	1.38E-05	2.40E-05	2.01E-06	1.94E-05	3.29E-05
569	1.49E-06	1.45E-05	2.44E-05	1.49E-06	1.38E-05	2.40E-05	2.01E-06	1.94E-05	3.28E-05
570	1.49E-06	1.45E-05	2.44E-05	1.48E-06	1.38E-05	2.40E-05	2.01E-06	1.94E-05	3.28E-05
571	1.49E-06	1.45E-05	2.43E-05	1.48E-06	1.38E-05	2.39E-05	2.00E-06	1.93E-05	3.28E-05
572	1.49E-06	1.45E-05	2.42E-05	1.48E-06	1.38E-05	2.39E-05	2.00E-06	1.93E-05	3.28E-05
573	1.49E-06	1.45E-05	2.42E-05	1.48E-06	1.38E-05	2.39E-05	2.00E-06	1.93E-05	3.28E-05
574	1.49E-06	1.45E-05	2.42E-05	1.48E-06	1.38E-05	2.39E-05	1.99E-06	1.93E-05	3.27E-05
575	1.48E-06	1.44E-05	2.42E-05	1.48E-06	1.38E-05	2.38E-05	1.99E-06	1.93E-05	3.27E-05
576	1.48E-06	1.44E-05	2.42E-05	1.48E-06	1.38E-05	2.38E-05	1.99E-06	1.93E-05	3.27E-05
577	1.48E-06	1.44E-05	2.42E-05	1.48E-06	1.38E-05	2.38E-05	1.99E-06	1.93E-05	3.26E-05
578	1.48E-06	1.44E-05	2.41E-05	1.48E-06	1.38E-05	2.38E-05	1.99E-06	1.93E-05	3.26E-05
579	1.47E-06	1.43E-05	2.41E-05	1.48E-06	1.38E-05	2.37E-05	1.98E-06	1.92E-05	3.26E-05
580	1.47E-06	1.43E-05	2.41E-05	1.47E-06	1.37E-05	2.37E-05	1.98E-06	1.92E-05	3.24E-05
581	1.47E-06	1.43E-05	2.41E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.92E-05	3.24E-05
582	1.47E-06	1.43E-05	2.41E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.92E-05	3.24E-05
583	1.47E-06	1.42E-05	2.40E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.92E-05	3.23E-05
584	1.47E-06	1.42E-05	2.40E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.91E-05	3.23E-05
585	1.46E-06	1.42E-05	2.40E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.91E-05	3.23E-05
586	1.46E-06	1.42E-05	2.39E-05	1.47E-06	1.37E-05	2.36E-05	1.98E-06	1.91E-05	3.23E-05
587	1.46E-06	1.41E-05	2.39E-05	1.47E-06	1.37E-05	2.35E-05	1.97E-06	1.91E-05	3.23E-05
588	1.46E-06	1.41E-05	2.39E-05	1.47E-06	1.37E-05	2.35E-05	1.97E-06	1.91E-05	3.21E-05
589	1.46E-06	1.41E-05	2.38E-05	1.47E-06	1.37E-05	2.35E-05	1.97E-06	1.90E-05	3.21E-05
590	1.46E-06	1.40E-05	2.38E-05	1.46E-06	1.36E-05	2.35E-05	1.96E-06	1.90E-05	3.20E-05
591	1.46E-06	1.40E-05	2.37E-05	1.46E-06	1.36E-05	2.35E-05	1.96E-06	1.90E-05	3.20E-05
592	1.46E-06	1.40E-05	2.37E-05	1.46E-06	1.36E-05	2.34E-05	1.96E-06	1.90E-05	3.20E-05
593	1.46E-06	1.40E-05	2.36E-05	1.46E-06	1.36E-05	2.33E-05	1.96E-06	1.90E-05	3.20E-05
594	1.46E-06	1.40E-05	2.36E-05	1.46E-06	1.36E-05	2.33E-05	1.95E-06	1.90E-05	3.20E-05
595	1.46E-06	1.40E-05	2.36E-05	1.46E-06	1.36E-05	2.33E-05	1.95E-06	1.90E-05	3.20E-05
596	1.45E-06	1.39E-05	2.36E-05	1.46E-06	1.36E-05	2.33E-05	1.95E-06	1.89E-05	3.19E-05
597	1.45E-06	1.39E-05	2.36E-05	1.46E-06	1.36E-05	2.32E-05	1.95E-06	1.89E-05	3.18E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
598	1.45E-06	1.39E-05	2.35E-05	1.45E-06	1.35E-05	2.32E-05	1.95E-06	1.89E-05	3.18E-05
599	1.45E-06	1.39E-05	2.34E-05	1.45E-06	1.35E-05	2.32E-05	1.95E-06	1.89E-05	3.18E-05
600	1.45E-06	1.39E-05	2.34E-05	1.45E-06	1.35E-05	2.32E-05	1.95E-06	1.89E-05	3.17E-05
601	1.44E-06	1.39E-05	2.34E-05	1.45E-06	1.35E-05	2.32E-05	1.95E-06	1.89E-05	3.17E-05
602	1.44E-06	1.38E-05	2.34E-05	1.45E-06	1.35E-05	2.31E-05	1.94E-06	1.89E-05	3.17E-05
603	1.44E-06	1.38E-05	2.34E-05	1.45E-06	1.34E-05	2.31E-05	1.94E-06	1.88E-05	3.17E-05
604	1.44E-06	1.38E-05	2.34E-05	1.45E-06	1.34E-05	2.31E-05	1.94E-06	1.88E-05	3.17E-05
605	1.44E-06	1.38E-05	2.34E-05	1.45E-06	1.34E-05	2.31E-05	1.94E-06	1.88E-05	3.17E-05
606	1.44E-06	1.38E-05	2.33E-05	1.45E-06	1.34E-05	2.31E-05	1.94E-06	1.88E-05	3.16E-05
607	1.43E-06	1.38E-05	2.33E-05	1.44E-06	1.34E-05	2.30E-05	1.93E-06	1.88E-05	3.16E-05
608	1.43E-06	1.38E-05	2.33E-05	1.44E-06	1.33E-05	2.30E-05	1.93E-06	1.87E-05	3.16E-05
609	1.43E-06	1.38E-05	2.33E-05	1.44E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.15E-05
610	1.43E-06	1.37E-05	2.33E-05	1.44E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.15E-05
611	1.43E-06	1.37E-05	2.33E-05	1.44E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.15E-05
612	1.43E-06	1.37E-05	2.33E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.14E-05
613	1.42E-06	1.37E-05	2.32E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.14E-05
614	1.42E-06	1.37E-05	2.32E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.14E-05
615	1.42E-06	1.37E-05	2.32E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.87E-05	3.13E-05
616	1.42E-06	1.37E-05	2.32E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.86E-05	3.13E-05
617	1.42E-06	1.37E-05	2.32E-05	1.43E-06	1.33E-05	2.29E-05	1.93E-06	1.86E-05	3.13E-05
618	1.42E-06	1.37E-05	2.31E-05	1.43E-06	1.32E-05	2.29E-05	1.93E-06	1.85E-05	3.13E-05
619	1.41E-06	1.37E-05	2.31E-05	1.43E-06	1.32E-05	2.29E-05	1.92E-06	1.85E-05	3.13E-05
620	1.41E-06	1.36E-05	2.31E-05	1.43E-06	1.32E-05	2.28E-05	1.92E-06	1.85E-05	3.13E-05
621	1.40E-06	1.36E-05	2.31E-05	1.43E-06	1.32E-05	2.28E-05	1.92E-06	1.85E-05	3.12E-05
622	1.40E-06	1.36E-05	2.31E-05	1.43E-06	1.32E-05	2.28E-05	1.91E-06	1.85E-05	3.12E-05
623	1.40E-06	1.36E-05	2.31E-05	1.43E-06	1.32E-05	2.27E-05	1.91E-06	1.85E-05	3.12E-05
624	1.40E-06	1.36E-05	2.31E-05	1.43E-06	1.31E-05	2.27E-05	1.91E-06	1.84E-05	3.11E-05
625	1.40E-06	1.36E-05	2.31E-05	1.43E-06	1.31E-05	2.27E-05	1.91E-06	1.84E-05	3.11E-05
626	1.40E-06	1.36E-05	2.30E-05	1.43E-06	1.31E-05	2.27E-05	1.91E-06	1.84E-05	3.11E-05
627	1.40E-06	1.36E-05	2.30E-05	1.42E-06	1.31E-05	2.27E-05	1.90E-06	1.84E-05	3.10E-05
628	1.40E-06	1.36E-05	2.30E-05	1.42E-06	1.31E-05	2.26E-05	1.90E-06	1.84E-05	3.10E-05
629	1.40E-06	1.36E-05	2.30E-05	1.42E-06	1.31E-05	2.26E-05	1.90E-06	1.84E-05	3.10E-05
630	1.39E-06	1.36E-05	2.30E-05	1.42E-06	1.31E-05	2.26E-05	1.90E-06	1.84E-05	3.10E-05
631	1.39E-06	1.36E-05	2.30E-05	1.41E-06	1.31E-05	2.26E-05	1.90E-06	1.83E-05	3.09E-05
632	1.39E-06	1.36E-05	2.30E-05	1.41E-06	1.30E-05	2.26E-05	1.90E-06	1.83E-05	3.09E-05
633	1.39E-06	1.36E-05	2.29E-05	1.41E-06	1.30E-05	2.26E-05	1.89E-06	1.83E-05	3.09E-05
634	1.38E-06	1.36E-05	2.29E-05	1.41E-06	1.30E-05	2.26E-05	1.89E-06	1.83E-05	3.08E-05
635	1.38E-06	1.35E-05	2.29E-05	1.41E-06	1.30E-05	2.26E-05	1.89E-06	1.82E-05	3.08E-05
636	1.38E-06	1.35E-05	2.29E-05	1.41E-06	1.30E-05	2.25E-05	1.89E-06	1.82E-05	3.07E-05
637	1.38E-06	1.35E-05	2.29E-05	1.40E-06	1.30E-05	2.25E-05	1.88E-06	1.82E-05	3.07E-05
638	1.38E-06	1.35E-05	2.29E-05	1.40E-06	1.29E-05	2.25E-05	1.88E-06	1.82E-05	3.06E-05
639	1.38E-06	1.35E-05	2.28E-05	1.40E-06	1.29E-05	2.24E-05	1.88E-06	1.82E-05	3.06E-05
640	1.37E-06	1.35E-05	2.28E-05	1.40E-06	1.29E-05	2.24E-05	1.88E-06	1.82E-05	3.05E-05
641	1.37E-06	1.35E-05	2.28E-05	1.40E-06	1.29E-05	2.24E-05	1.88E-06	1.82E-05	3.05E-05
642	1.37E-06	1.35E-05	2.28E-05	1.40E-06	1.29E-05	2.24E-05	1.88E-06	1.82E-05	3.05E-05
643	1.37E-06	1.35E-05	2.28E-05	1.40E-06	1.29E-05	2.23E-05	1.88E-06	1.81E-05	3.04E-05
644	1.37E-06	1.35E-05	2.27E-05	1.40E-06	1.29E-05	2.23E-05	1.88E-06	1.81E-05	3.04E-05
645	1.37E-06	1.35E-05	2.27E-05	1.40E-06	1.29E-05	2.23E-05	1.88E-06	1.81E-05	3.03E-05
646	1.36E-06	1.34E-05	2.27E-05	1.40E-06	1.29E-05	2.23E-05	1.87E-06	1.81E-05	3.03E-05
647	1.36E-06	1.34E-05	2.27E-05	1.40E-06	1.29E-05	2.22E-05	1.87E-06	1.81E-05	3.03E-05
648	1.36E-06	1.34E-05	2.27E-05	1.40E-06	1.29E-05	2.22E-05	1.87E-06	1.80E-05	3.03E-05
649	1.36E-06	1.34E-05	2.26E-05	1.40E-06	1.28E-05	2.22E-05	1.86E-06	1.80E-05	3.03E-05
650	1.35E-06	1.34E-05	2.26E-05	1.40E-06	1.28E-05	2.22E-05	1.86E-06	1.80E-05	3.03E-05
651	1.35E-06	1.34E-05	2.26E-05	1.39E-06	1.28E-05	2.22E-05	1.86E-06	1.80E-05	3.02E-05
652	1.35E-06	1.34E-05	2.25E-05	1.39E-06	1.28E-05	2.21E-05	1.86E-06	1.80E-05	3.02E-05
653	1.35E-06	1.34E-05	2.25E-05	1.39E-06	1.28E-05	2.20E-05	1.86E-06	1.80E-05	3.02E-05
654	1.35E-06	1.34E-05	2.24E-05	1.39E-06	1.28E-05	2.20E-05	1.86E-06	1.80E-05	3.01E-05
655	1.35E-06	1.34E-05	2.24E-05	1.39E-06	1.28E-05	2.20E-05	1.85E-06	1.80E-05	3.01E-05
656	1.35E-06	1.34E-05	2.24E-05	1.38E-06	1.28E-05	2.20E-05	1.85E-06	1.79E-05	3.01E-05
657	1.35E-06	1.33E-05	2.24E-05	1.38E-06	1.28E-05	2.19E-05	1.85E-06	1.79E-05	3.01E-05
658	1.35E-06	1.33E-05	2.24E-05	1.38E-06	1.28E-05	2.19E-05	1.85E-06	1.79E-05	3.01E-05
659	1.34E-06	1.33E-05	2.23E-05	1.38E-06	1.27E-05	2.19E-05	1.85E-06	1.79E-05	3.00E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
660	1.34E-06	1.33E-05	2.23E-05	1.37E-06	1.27E-05	2.19E-05	1.85E-06	1.78E-05	3.00E-05
661	1.34E-06	1.33E-05	2.23E-05	1.37E-06	1.27E-05	2.19E-05	1.85E-06	1.78E-05	2.99E-05
662	1.34E-06	1.33E-05	2.23E-05	1.37E-06	1.27E-05	2.19E-05	1.85E-06	1.78E-05	2.99E-05
663	1.34E-06	1.33E-05	2.23E-05	1.37E-06	1.27E-05	2.19E-05	1.84E-06	1.78E-05	2.99E-05
664	1.34E-06	1.33E-05	2.23E-05	1.37E-06	1.26E-05	2.18E-05	1.84E-06	1.77E-05	2.98E-05
665	1.34E-06	1.32E-05	2.23E-05	1.37E-06	1.26E-05	2.18E-05	1.84E-06	1.77E-05	2.98E-05
666	1.34E-06	1.32E-05	2.23E-05	1.37E-06	1.26E-05	2.18E-05	1.84E-06	1.77E-05	2.98E-05
667	1.34E-06	1.32E-05	2.22E-05	1.37E-06	1.26E-05	2.18E-05	1.84E-06	1.77E-05	2.97E-05
668	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.26E-05	2.18E-05	1.84E-06	1.77E-05	2.97E-05
669	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.84E-06	1.77E-05	2.97E-05
670	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.83E-06	1.77E-05	2.97E-05
671	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.83E-06	1.77E-05	2.97E-05
672	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.83E-06	1.76E-05	2.97E-05
673	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.83E-06	1.76E-05	2.96E-05
674	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.25E-05	2.17E-05	1.83E-06	1.76E-05	2.96E-05
675	1.34E-06	1.32E-05	2.22E-05	1.36E-06	1.24E-05	2.17E-05	1.83E-06	1.76E-05	2.96E-05
676	1.34E-06	1.32E-05	2.22E-05	1.35E-06	1.24E-05	2.17E-05	1.83E-06	1.76E-05	2.95E-05
677	1.33E-06	1.31E-05	2.22E-05	1.35E-06	1.24E-05	2.16E-05	1.82E-06	1.76E-05	2.95E-05
678	1.33E-06	1.31E-05	2.21E-05	1.35E-06	1.24E-05	2.16E-05	1.82E-06	1.75E-05	2.95E-05
679	1.33E-06	1.31E-05	2.21E-05	1.35E-06	1.24E-05	2.16E-05	1.81E-06	1.75E-05	2.95E-05
680	1.33E-06	1.31E-05	2.21E-05	1.35E-06	1.24E-05	2.16E-05	1.81E-06	1.75E-05	2.95E-05
681	1.33E-06	1.31E-05	2.21E-05	1.35E-06	1.24E-05	2.16E-05	1.81E-06	1.75E-05	2.94E-05
682	1.33E-06	1.31E-05	2.21E-05	1.35E-06	1.23E-05	2.16E-05	1.81E-06	1.74E-05	2.94E-05
683	1.32E-06	1.31E-05	2.20E-05	1.35E-06	1.23E-05	2.16E-05	1.81E-06	1.74E-05	2.93E-05
684	1.32E-06	1.31E-05	2.20E-05	1.35E-06	1.23E-05	2.16E-05	1.81E-06	1.73E-05	2.93E-05
685	1.32E-06	1.31E-05	2.20E-05	1.34E-06	1.23E-05	2.15E-05	1.80E-06	1.73E-05	2.92E-05
686	1.32E-06	1.31E-05	2.20E-05	1.34E-06	1.23E-05	2.15E-05	1.80E-06	1.73E-05	2.92E-05
687	1.32E-06	1.31E-05	2.20E-05	1.34E-06	1.23E-05	2.15E-05	1.79E-06	1.73E-05	2.92E-05
688	1.32E-06	1.30E-05	2.20E-05	1.34E-06	1.23E-05	2.15E-05	1.79E-06	1.73E-05	2.92E-05
689	1.32E-06	1.30E-05	2.20E-05	1.34E-06	1.23E-05	2.14E-05	1.79E-06	1.72E-05	2.92E-05
690	1.32E-06	1.30E-05	2.19E-05	1.34E-06	1.23E-05	2.13E-05	1.79E-06	1.72E-05	2.92E-05
691	1.32E-06	1.30E-05	2.19E-05	1.34E-06	1.23E-05	2.13E-05	1.78E-06	1.72E-05	2.92E-05
692	1.32E-06	1.30E-05	2.19E-05	1.34E-06	1.22E-05	2.13E-05	1.78E-06	1.72E-05	2.91E-05
693	1.32E-06	1.30E-05	2.19E-05	1.33E-06	1.22E-05	2.13E-05	1.78E-06	1.71E-05	2.91E-05
694	1.31E-06	1.30E-05	2.19E-05	1.33E-06	1.22E-05	2.13E-05	1.78E-06	1.71E-05	2.91E-05
695	1.31E-06	1.30E-05	2.18E-05	1.33E-06	1.22E-05	2.13E-05	1.78E-06	1.70E-05	2.91E-05
696	1.31E-06	1.30E-05	2.18E-05	1.33E-06	1.22E-05	2.13E-05	1.77E-06	1.70E-05	2.90E-05
697	1.31E-06	1.29E-05	2.18E-05	1.33E-06	1.21E-05	2.12E-05	1.77E-06	1.70E-05	2.90E-05
698	1.31E-06	1.29E-05	2.18E-05	1.33E-06	1.21E-05	2.12E-05	1.77E-06	1.70E-05	2.90E-05
699	1.31E-06	1.29E-05	2.18E-05	1.33E-06	1.21E-05	2.12E-05	1.77E-06	1.70E-05	2.89E-05
700	1.31E-06	1.29E-05	2.17E-05	1.33E-06	1.21E-05	2.12E-05	1.77E-06	1.69E-05	2.89E-05
701	1.31E-06	1.29E-05	2.17E-05	1.33E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.89E-05
702	1.31E-06	1.28E-05	2.17E-05	1.32E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.89E-05
703	1.31E-06	1.28E-05	2.17E-05	1.32E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.89E-05
704	1.30E-06	1.28E-05	2.17E-05	1.32E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.89E-05
705	1.30E-06	1.28E-05	2.17E-05	1.32E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.89E-05
706	1.30E-06	1.28E-05	2.16E-05	1.32E-06	1.21E-05	2.12E-05	1.76E-06	1.69E-05	2.88E-05
707	1.30E-06	1.28E-05	2.16E-05	1.32E-06	1.20E-05	2.12E-05	1.76E-06	1.68E-05	2.88E-05
708	1.30E-06	1.28E-05	2.16E-05	1.32E-06	1.20E-05	2.12E-05	1.75E-06	1.68E-05	2.88E-05
709	1.30E-06	1.28E-05	2.16E-05	1.32E-06	1.20E-05	2.12E-05	1.75E-06	1.68E-05	2.88E-05
710	1.30E-06	1.28E-05	2.15E-05	1.32E-06	1.20E-05	2.11E-05	1.75E-06	1.68E-05	2.87E-05
711	1.30E-06	1.28E-05	2.15E-05	1.32E-06	1.20E-05	2.11E-05	1.75E-06	1.68E-05	2.87E-05
712	1.30E-06	1.28E-05	2.15E-05	1.31E-06	1.20E-05	2.11E-05	1.75E-06	1.68E-05	2.87E-05
713	1.30E-06	1.28E-05	2.15E-05	1.31E-06	1.20E-05	2.11E-05	1.75E-06	1.68E-05	2.87E-05
714	1.30E-06	1.28E-05	2.15E-05	1.31E-06	1.20E-05	2.11E-05	1.75E-06	1.68E-05	2.87E-05
715	1.30E-06	1.27E-05	2.15E-05	1.31E-06	1.20E-05	2.10E-05	1.75E-06	1.67E-05	2.87E-05
716	1.29E-06	1.27E-05	2.15E-05	1.31E-06	1.20E-05	2.10E-05	1.75E-06	1.67E-05	2.86E-05
717	1.29E-06	1.27E-05	2.15E-05	1.31E-06	1.20E-05	2.10E-05	1.74E-06	1.67E-05	2.86E-05
718	1.29E-06	1.27E-05	2.14E-05	1.31E-06	1.19E-05	2.10E-05	1.74E-06	1.67E-05	2.86E-05
719	1.29E-06	1.27E-05	2.14E-05	1.31E-06	1.19E-05	2.09E-05	1.74E-06	1.67E-05	2.86E-05
720	1.29E-06	1.27E-05	2.14E-05	1.31E-06	1.19E-05	2.09E-05	1.74E-06	1.67E-05	2.86E-05
721	1.29E-06	1.27E-05	2.14E-05	1.31E-06	1.19E-05	2.09E-05	1.74E-06	1.67E-05	2.86E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
722	1.29E-06	1.27E-05	2.13E-05	1.30E-06	1.19E-05	2.09E-05	1.74E-06	1.67E-05	2.85E-05
723	1.29E-06	1.26E-05	2.13E-05	1.30E-06	1.19E-05	2.09E-05	1.74E-06	1.66E-05	2.85E-05
724	1.29E-06	1.26E-05	2.13E-05	1.30E-06	1.19E-05	2.09E-05	1.74E-06	1.66E-05	2.85E-05
725	1.29E-06	1.26E-05	2.13E-05	1.30E-06	1.19E-05	2.09E-05	1.74E-06	1.66E-05	2.85E-05
726	1.29E-06	1.26E-05	2.12E-05	1.30E-06	1.18E-05	2.08E-05	1.74E-06	1.66E-05	2.85E-05
727	1.29E-06	1.26E-05	2.12E-05	1.29E-06	1.18E-05	2.08E-05	1.74E-06	1.66E-05	2.85E-05
728	1.29E-06	1.26E-05	2.12E-05	1.29E-06	1.18E-05	2.08E-05	1.74E-06	1.66E-05	2.84E-05
729	1.29E-06	1.26E-05	2.12E-05	1.29E-06	1.18E-05	2.08E-05	1.73E-06	1.66E-05	2.84E-05
730	1.28E-06	1.25E-05	2.12E-05	1.29E-06	1.18E-05	2.07E-05	1.73E-06	1.66E-05	2.84E-05
731	1.28E-06	1.25E-05	2.12E-05	1.29E-06	1.18E-05	2.07E-05	1.72E-06	1.66E-05	2.84E-05
732	1.28E-06	1.25E-05	2.12E-05	1.29E-06	1.18E-05	2.07E-05	1.72E-06	1.65E-05	2.84E-05
733	1.28E-06	1.25E-05	2.12E-05	1.29E-06	1.18E-05	2.07E-05	1.72E-06	1.65E-05	2.84E-05
734	1.28E-06	1.24E-05	2.12E-05	1.29E-06	1.18E-05	2.07E-05	1.71E-06	1.65E-05	2.84E-05
735	1.28E-06	1.24E-05	2.12E-05	1.29E-06	1.17E-05	2.07E-05	1.71E-06	1.65E-05	2.83E-05
736	1.28E-06	1.24E-05	2.12E-05	1.28E-06	1.17E-05	2.07E-05	1.71E-06	1.65E-05	2.83E-05
737	1.28E-06	1.24E-05	2.11E-05	1.28E-06	1.17E-05	2.07E-05	1.71E-06	1.65E-05	2.83E-05
738	1.28E-06	1.24E-05	2.11E-05	1.28E-06	1.17E-05	2.07E-05	1.71E-06	1.65E-05	2.83E-05
739	1.28E-06	1.24E-05	2.10E-05	1.28E-06	1.17E-05	2.07E-05	1.71E-06	1.65E-05	2.82E-05
740	1.28E-06	1.24E-05	2.10E-05	1.28E-06	1.17E-05	2.07E-05	1.70E-06	1.65E-05	2.82E-05
741	1.27E-06	1.24E-05	2.10E-05	1.28E-06	1.17E-05	2.07E-05	1.70E-06	1.65E-05	2.82E-05
742	1.27E-06	1.24E-05	2.10E-05	1.28E-06	1.17E-05	2.06E-05	1.70E-06	1.64E-05	2.82E-05
743	1.27E-06	1.23E-05	2.09E-05	1.28E-06	1.17E-05	2.06E-05	1.70E-06	1.64E-05	2.81E-05
744	1.27E-06	1.23E-05	2.09E-05	1.27E-06	1.17E-05	2.06E-05	1.70E-06	1.64E-05	2.81E-05
745	1.27E-06	1.23E-05	2.08E-05	1.27E-06	1.17E-05	2.06E-05	1.69E-06	1.64E-05	2.81E-05
746	1.27E-06	1.23E-05	2.08E-05	1.27E-06	1.16E-05	2.06E-05	1.69E-06	1.64E-05	2.81E-05
747	1.27E-06	1.23E-05	2.08E-05	1.27E-06	1.16E-05	2.06E-05	1.69E-06	1.64E-05	2.80E-05
748	1.27E-06	1.23E-05	2.08E-05	1.27E-06	1.16E-05	2.06E-05	1.68E-06	1.63E-05	2.80E-05
749	1.26E-06	1.23E-05	2.08E-05	1.27E-06	1.16E-05	2.06E-05	1.68E-06	1.63E-05	2.80E-05
750	1.26E-06	1.23E-05	2.08E-05	1.27E-06	1.16E-05	2.06E-05	1.68E-06	1.63E-05	2.80E-05
751	1.26E-06	1.22E-05	2.08E-05	1.27E-06	1.15E-05	2.05E-05	1.68E-06	1.63E-05	2.80E-05
752	1.26E-06	1.22E-05	2.07E-05	1.27E-06	1.15E-05	2.05E-05	1.68E-06	1.62E-05	2.80E-05
753	1.26E-06	1.22E-05	2.07E-05	1.27E-06	1.15E-05	2.05E-05	1.68E-06	1.62E-05	2.79E-05
754	1.26E-06	1.22E-05	2.07E-05	1.27E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.79E-05
755	1.26E-06	1.22E-05	2.07E-05	1.27E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.79E-05
756	1.26E-06	1.22E-05	2.07E-05	1.27E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.79E-05
757	1.26E-06	1.21E-05	2.06E-05	1.27E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.79E-05
758	1.26E-06	1.21E-05	2.06E-05	1.27E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.78E-05
759	1.26E-06	1.21E-05	2.06E-05	1.26E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.77E-05
760	1.26E-06	1.21E-05	2.06E-05	1.26E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.77E-05
761	1.26E-06	1.21E-05	2.06E-05	1.26E-06	1.15E-05	2.05E-05	1.67E-06	1.62E-05	2.77E-05
762	1.26E-06	1.21E-05	2.06E-05	1.26E-06	1.15E-05	2.05E-05	1.67E-06	1.61E-05	2.77E-05
763	1.25E-06	1.21E-05	2.05E-05	1.26E-06	1.15E-05	2.05E-05	1.66E-06	1.61E-05	2.76E-05
764	1.25E-06	1.21E-05	2.05E-05	1.26E-06	1.15E-05	2.05E-05	1.66E-06	1.61E-05	2.76E-05
765	1.25E-06	1.21E-05	2.05E-05	1.25E-06	1.15E-05	2.04E-05	1.66E-06	1.61E-05	2.76E-05
766	1.25E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.66E-06	1.60E-05	2.76E-05
767	1.25E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.66E-06	1.60E-05	2.76E-05
768	1.25E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.66E-06	1.60E-05	2.75E-05
769	1.25E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.65E-06	1.60E-05	2.75E-05
770	1.24E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.65E-06	1.60E-05	2.75E-05
771	1.24E-06	1.20E-05	2.04E-05	1.25E-06	1.14E-05	2.04E-05	1.65E-06	1.60E-05	2.75E-05
772	1.24E-06	1.20E-05	2.03E-05	1.25E-06	1.14E-05	2.04E-05	1.65E-06	1.60E-05	2.75E-05
773	1.24E-06	1.19E-05	2.03E-05	1.24E-06	1.14E-05	2.03E-05	1.65E-06	1.59E-05	2.75E-05
774	1.24E-06	1.19E-05	2.03E-05	1.24E-06	1.14E-05	2.03E-05	1.65E-06	1.59E-05	2.75E-05
775	1.23E-06	1.19E-05	2.03E-05	1.24E-06	1.14E-05	2.03E-05	1.65E-06	1.59E-05	2.74E-05
776	1.23E-06	1.19E-05	2.03E-05	1.24E-06	1.14E-05	2.03E-05	1.65E-06	1.59E-05	2.74E-05
777	1.23E-06	1.19E-05	2.03E-05	1.24E-06	1.14E-05	2.03E-05	1.64E-06	1.59E-05	2.74E-05
778	1.23E-06	1.19E-05	2.03E-05	1.24E-06	1.13E-05	2.03E-05	1.64E-06	1.59E-05	2.73E-05
779	1.23E-06	1.19E-05	2.02E-05	1.24E-06	1.13E-05	2.03E-05	1.64E-06	1.59E-05	2.73E-05
780	1.23E-06	1.19E-05	2.02E-05	1.24E-06	1.13E-05	2.02E-05	1.64E-06	1.58E-05	2.73E-05
781	1.23E-06	1.19E-05	2.02E-05	1.24E-06	1.13E-05	2.02E-05	1.64E-06	1.58E-05	2.73E-05
782	1.23E-06	1.19E-05	2.02E-05	1.23E-06	1.13E-05	2.02E-05	1.64E-06	1.58E-05	2.73E-05
783	1.23E-06	1.19E-05	2.02E-05	1.23E-06	1.13E-05	2.02E-05	1.64E-06	1.58E-05	2.72E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
784	1.23E-06	1.19E-05	2.02E-05	1.23E-06	1.13E-05	2.02E-05	1.64E-06	1.58E-05	2.72E-05
785	1.23E-06	1.19E-05	2.01E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.58E-05	2.71E-05
786	1.23E-06	1.19E-05	2.01E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.57E-05	2.71E-05
787	1.22E-06	1.19E-05	2.01E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.57E-05	2.71E-05
788	1.22E-06	1.19E-05	2.01E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.57E-05	2.70E-05
789	1.22E-06	1.19E-05	2.00E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.57E-05	2.70E-05
790	1.22E-06	1.18E-05	2.00E-05	1.23E-06	1.12E-05	2.01E-05	1.63E-06	1.57E-05	2.70E-05
791	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.12E-05	2.01E-05	1.62E-06	1.56E-05	2.70E-05
792	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.12E-05	2.00E-05	1.62E-06	1.56E-05	2.70E-05
793	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.11E-05	2.00E-05	1.62E-06	1.56E-05	2.70E-05
794	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.11E-05	2.00E-05	1.62E-06	1.56E-05	2.69E-05
795	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.11E-05	2.00E-05	1.62E-06	1.56E-05	2.69E-05
796	1.22E-06	1.18E-05	2.00E-05	1.22E-06	1.11E-05	1.99E-05	1.62E-06	1.56E-05	2.69E-05
797	1.22E-06	1.18E-05	1.99E-05	1.22E-06	1.11E-05	1.99E-05	1.62E-06	1.56E-05	2.69E-05
798	1.22E-06	1.18E-05	1.99E-05	1.22E-06	1.11E-05	1.99E-05	1.62E-06	1.56E-05	2.68E-05
799	1.22E-06	1.17E-05	1.99E-05	1.22E-06	1.11E-05	1.99E-05	1.62E-06	1.56E-05	2.68E-05
800	1.22E-06	1.17E-05	1.99E-05	1.22E-06	1.10E-05	1.99E-05	1.61E-06	1.55E-05	2.67E-05
801	1.21E-06	1.17E-05	1.99E-05	1.22E-06	1.10E-05	1.98E-05	1.61E-06	1.55E-05	2.67E-05
802	1.21E-06	1.17E-05	1.99E-05	1.22E-06	1.10E-05	1.98E-05	1.61E-06	1.55E-05	2.67E-05
803	1.21E-06	1.17E-05	1.98E-05	1.22E-06	1.10E-05	1.98E-05	1.61E-06	1.55E-05	2.66E-05
804	1.21E-06	1.17E-05	1.98E-05	1.21E-06	1.10E-05	1.98E-05	1.61E-06	1.55E-05	2.66E-05
805	1.21E-06	1.17E-05	1.98E-05	1.21E-06	1.10E-05	1.98E-05	1.61E-06	1.55E-05	2.66E-05
806	1.21E-06	1.17E-05	1.98E-05	1.21E-06	1.10E-05	1.98E-05	1.60E-06	1.55E-05	2.65E-05
807	1.21E-06	1.17E-05	1.98E-05	1.21E-06	1.10E-05	1.97E-05	1.60E-06	1.55E-05	2.65E-05
808	1.21E-06	1.17E-05	1.97E-05	1.21E-06	1.10E-05	1.97E-05	1.60E-06	1.55E-05	2.65E-05
809	1.21E-06	1.16E-05	1.97E-05	1.21E-06	1.09E-05	1.97E-05	1.60E-06	1.55E-05	2.65E-05
810	1.21E-06	1.16E-05	1.97E-05	1.21E-06	1.09E-05	1.97E-05	1.60E-06	1.55E-05	2.65E-05
811	1.21E-06	1.16E-05	1.97E-05	1.21E-06	1.09E-05	1.97E-05	1.60E-06	1.55E-05	2.65E-05
812	1.21E-06	1.16E-05	1.97E-05	1.21E-06	1.09E-05	1.97E-05	1.60E-06	1.55E-05	2.64E-05
813	1.21E-06	1.16E-05	1.97E-05	1.21E-06	1.09E-05	1.97E-05	1.60E-06	1.54E-05	2.64E-05
814	1.21E-06	1.16E-05	1.97E-05	1.20E-06	1.09E-05	1.96E-05	1.60E-06	1.54E-05	2.63E-05
815	1.21E-06	1.16E-05	1.97E-05	1.20E-06	1.09E-05	1.96E-05	1.60E-06	1.54E-05	2.63E-05
816	1.20E-06	1.16E-05	1.97E-05	1.20E-06	1.09E-05	1.96E-05	1.60E-06	1.54E-05	2.63E-05
817	1.20E-06	1.16E-05	1.96E-05	1.20E-06	1.09E-05	1.96E-05	1.59E-06	1.54E-05	2.63E-05
818	1.20E-06	1.16E-05	1.96E-05	1.20E-06	1.08E-05	1.96E-05	1.59E-06	1.54E-05	2.63E-05
819	1.20E-06	1.16E-05	1.96E-05	1.20E-06	1.08E-05	1.96E-05	1.59E-06	1.54E-05	2.63E-05
820	1.20E-06	1.15E-05	1.96E-05	1.20E-06	1.08E-05	1.96E-05	1.59E-06	1.54E-05	2.63E-05
821	1.20E-06	1.15E-05	1.96E-05	1.20E-06	1.08E-05	1.96E-05	1.59E-06	1.54E-05	2.62E-05
822	1.20E-06	1.15E-05	1.96E-05	1.20E-06	1.08E-05	1.96E-05	1.59E-06	1.54E-05	2.62E-05
823	1.20E-06	1.15E-05	1.96E-05	1.19E-06	1.08E-05	1.95E-05	1.59E-06	1.54E-05	2.62E-05
824	1.19E-06	1.15E-05	1.96E-05	1.19E-06	1.08E-05	1.95E-05	1.59E-06	1.54E-05	2.62E-05
825	1.19E-06	1.15E-05	1.96E-05	1.19E-06	1.08E-05	1.95E-05	1.59E-06	1.53E-05	2.62E-05
826	1.19E-06	1.15E-05	1.96E-05	1.19E-06	1.08E-05	1.95E-05	1.59E-06	1.53E-05	2.62E-05
827	1.19E-06	1.15E-05	1.95E-05	1.19E-06	1.07E-05	1.95E-05	1.59E-06	1.53E-05	2.61E-05
828	1.19E-06	1.14E-05	1.95E-05	1.19E-06	1.07E-05	1.95E-05	1.59E-06	1.53E-05	2.61E-05
829	1.19E-06	1.14E-05	1.95E-05	1.19E-06	1.07E-05	1.95E-05	1.59E-06	1.53E-05	2.61E-05
830	1.19E-06	1.14E-05	1.95E-05	1.19E-06	1.07E-05	1.94E-05	1.59E-06	1.53E-05	2.61E-05
831	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.94E-05	1.58E-06	1.53E-05	2.61E-05
832	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.94E-05	1.58E-06	1.52E-05	2.61E-05
833	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.94E-05	1.58E-06	1.52E-05	2.60E-05
834	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.94E-05	1.58E-06	1.52E-05	2.60E-05
835	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.93E-05	1.58E-06	1.52E-05	2.60E-05
836	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.93E-05	1.58E-06	1.51E-05	2.60E-05
837	1.19E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.93E-05	1.57E-06	1.51E-05	2.59E-05
838	1.18E-06	1.14E-05	1.94E-05	1.19E-06	1.07E-05	1.93E-05	1.57E-06	1.51E-05	2.59E-05
839	1.18E-06	1.14E-05	1.94E-05	1.18E-06	1.07E-05	1.93E-05	1.57E-06	1.51E-05	2.59E-05
840	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.07E-05	1.93E-05	1.57E-06	1.51E-05	2.59E-05
841	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.07E-05	1.93E-05	1.57E-06	1.51E-05	2.59E-05
842	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.07E-05	1.92E-05	1.57E-06	1.50E-05	2.59E-05
843	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.06E-05	1.92E-05	1.57E-06	1.50E-05	2.58E-05
844	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.06E-05	1.92E-05	1.57E-06	1.50E-05	2.58E-05
845	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.06E-05	1.92E-05	1.57E-06	1.50E-05	2.58E-05

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
846	1.18E-06	1.13E-05	1.94E-05	1.18E-06	1.06E-05	1.91E-05	1.57E-06	1.50E-05	2.58E-05
847	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.91E-05	1.56E-06	1.50E-05	2.58E-05
848	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.91E-05	1.56E-06	1.50E-05	2.58E-05
849	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.91E-05	1.56E-06	1.50E-05	2.58E-05
850	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.90E-05	1.56E-06	1.50E-05	2.57E-05
851	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.90E-05	1.55E-06	1.50E-05	2.57E-05
852	1.17E-06	1.13E-05	1.93E-05	1.18E-06	1.06E-05	1.90E-05	1.55E-06	1.50E-05	2.57E-05
853	1.17E-06	1.13E-05	1.92E-05	1.18E-06	1.06E-05	1.90E-05	1.55E-06	1.49E-05	2.57E-05
854	1.17E-06	1.13E-05	1.92E-05	1.18E-06	1.06E-05	1.90E-05	1.55E-06	1.49E-05	2.56E-05
855	1.17E-06	1.13E-05	1.92E-05	1.17E-06	1.06E-05	1.90E-05	1.55E-06	1.49E-05	2.56E-05
856	1.17E-06	1.13E-05	1.92E-05	1.17E-06	1.06E-05	1.90E-05	1.55E-06	1.48E-05	2.56E-05
857	1.17E-06	1.12E-05	1.92E-05	1.17E-06	1.05E-05	1.90E-05	1.55E-06	1.48E-05	2.56E-05
858	1.17E-06	1.12E-05	1.92E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.48E-05	2.55E-05
859	1.17E-06	1.12E-05	1.92E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.48E-05	2.55E-05
860	1.17E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.48E-05	2.55E-05
861	1.17E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.48E-05	2.55E-05
862	1.16E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.47E-05	2.55E-05
863	1.16E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.47E-05	2.55E-05
864	1.16E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.47E-05	2.55E-05
865	1.16E-06	1.12E-05	1.91E-05	1.17E-06	1.05E-05	1.89E-05	1.54E-06	1.47E-05	2.54E-05
866	1.16E-06	1.12E-05	1.91E-05	1.16E-06	1.04E-05	1.89E-05	1.54E-06	1.47E-05	2.54E-05
867	1.16E-06	1.12E-05	1.91E-05	1.16E-06	1.04E-05	1.89E-05	1.53E-06	1.47E-05	2.54E-05
868	1.16E-06	1.12E-05	1.91E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.47E-05	2.54E-05
869	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.47E-05	2.53E-05
870	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.46E-05	2.53E-05
871	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.46E-05	2.52E-05
872	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.46E-05	2.52E-05
873	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.88E-05	1.53E-06	1.46E-05	2.52E-05
874	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.87E-05	1.53E-06	1.46E-05	2.52E-05
875	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.87E-05	1.52E-06	1.46E-05	2.52E-05
876	1.16E-06	1.11E-05	1.90E-05	1.16E-06	1.04E-05	1.87E-05	1.52E-06	1.46E-05	2.52E-05
877	1.15E-06	1.11E-05	1.89E-05	1.15E-06	1.03E-05	1.87E-05	1.52E-06	1.46E-05	2.52E-05
878	1.15E-06	1.11E-05	1.89E-05	1.15E-06	1.03E-05	1.87E-05	1.52E-06	1.46E-05	2.51E-05
879	1.15E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.87E-05	1.52E-06	1.46E-05	2.51E-05
880	1.15E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.87E-05	1.51E-06	1.46E-05	2.51E-05
881	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.45E-05	2.51E-05
882	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.45E-05	2.50E-05
883	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.45E-05	2.50E-05
884	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.45E-05	2.50E-05
885	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.44E-05	2.50E-05
886	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.03E-05	1.86E-05	1.51E-06	1.44E-05	2.50E-05
887	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.02E-05	1.86E-05	1.51E-06	1.44E-05	2.50E-05
888	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.02E-05	1.86E-05	1.51E-06	1.44E-05	2.50E-05
889	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.02E-05	1.86E-05	1.51E-06	1.44E-05	2.50E-05
890	1.14E-06	1.10E-05	1.89E-05	1.15E-06	1.02E-05	1.86E-05	1.51E-06	1.44E-05	2.49E-05
891	1.13E-06	1.10E-05	1.88E-05	1.14E-06	1.02E-05	1.85E-05	1.51E-06	1.44E-05	2.49E-05
892	1.13E-06	1.10E-05	1.88E-05	1.14E-06	1.02E-05	1.85E-05	1.51E-06	1.44E-05	2.49E-05
893	1.13E-06	1.10E-05	1.88E-05	1.14E-06	1.02E-05	1.85E-05	1.51E-06	1.43E-05	2.49E-05
894	1.13E-06	1.10E-05	1.88E-05	1.14E-06	1.02E-05	1.85E-05	1.51E-06	1.43E-05	2.49E-05
895	1.13E-06	1.09E-05	1.88E-05	1.14E-06	1.02E-05	1.85E-05	1.50E-06	1.43E-05	2.49E-05
896	1.13E-06	1.09E-05	1.88E-05	1.14E-06	1.02E-05	1.84E-05	1.50E-06	1.43E-05	2.49E-05
897	1.13E-06	1.09E-05	1.87E-05	1.14E-06	1.02E-05	1.84E-05	1.50E-06	1.43E-05	2.48E-05
898	1.13E-06	1.09E-05	1.87E-05	1.14E-06	1.02E-05	1.84E-05	1.50E-06	1.43E-05	2.48E-05
899	1.13E-06	1.09E-05	1.87E-05	1.14E-06	1.02E-05	1.84E-05	1.50E-06	1.43E-05	2.48E-05
900	1.13E-06	1.09E-05	1.87E-05	1.13E-06	1.02E-05	1.84E-05	1.50E-06	1.43E-05	2.48E-05
901	1.13E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.84E-05	1.50E-06	1.43E-05	2.47E-05
902	1.13E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.83E-05	1.50E-06	1.42E-05	2.47E-05
903	1.13E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.83E-05	1.50E-06	1.42E-05	2.47E-05
904	1.13E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.83E-05	1.50E-06	1.42E-05	2.47E-05
905	1.12E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.83E-05	1.50E-06	1.42E-05	2.47E-05
906	1.12E-06	1.09E-05	1.87E-05	1.13E-06	1.01E-05	1.83E-05	1.49E-06	1.42E-05	2.47E-05
907	1.12E-06	1.09E-05	1.86E-05	1.13E-06	1.01E-05	1.83E-05	1.49E-06	1.42E-05	2.47E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
908	1.12E-06	1.09E-05	1.86E-05	1.13E-06	1.01E-05	1.83E-05	1.49E-06	1.42E-05	2.47E-05
909	1.12E-06	1.08E-05	1.86E-05	1.13E-06	1.01E-05	1.83E-05	1.49E-06	1.41E-05	2.46E-05
910	1.12E-06	1.08E-05	1.85E-05	1.13E-06	1.01E-05	1.82E-05	1.49E-06	1.41E-05	2.46E-05
911	1.12E-06	1.08E-05	1.85E-05	1.12E-06	1.01E-05	1.82E-05	1.49E-06	1.41E-05	2.46E-05
912	1.12E-06	1.08E-05	1.85E-05	1.12E-06	1.01E-05	1.82E-05	1.49E-06	1.41E-05	2.46E-05
913	1.12E-06	1.08E-05	1.85E-05	1.12E-06	1.00E-05	1.82E-05	1.49E-06	1.41E-05	2.46E-05
914	1.12E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.49E-06	1.41E-05	2.46E-05
915	1.12E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.49E-06	1.41E-05	2.45E-05
916	1.11E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.48E-06	1.41E-05	2.45E-05
917	1.11E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.48E-06	1.40E-05	2.45E-05
918	1.11E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.48E-06	1.40E-05	2.45E-05
919	1.11E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.48E-06	1.40E-05	2.45E-05
920	1.11E-06	1.08E-05	1.84E-05	1.12E-06	1.00E-05	1.82E-05	1.48E-06	1.40E-05	2.45E-05
921	1.11E-06	1.08E-05	1.84E-05	1.12E-06	9.96E-06	1.82E-05	1.48E-06	1.40E-05	2.45E-05
922	1.11E-06	1.08E-05	1.84E-05	1.12E-06	9.95E-06	1.82E-05	1.48E-06	1.40E-05	2.44E-05
923	1.11E-06	1.08E-05	1.84E-05	1.12E-06	9.95E-06	1.82E-05	1.48E-06	1.40E-05	2.44E-05
924	1.11E-06	1.08E-05	1.83E-05	1.12E-06	9.94E-06	1.81E-05	1.48E-06	1.40E-05	2.44E-05
925	1.11E-06	1.08E-05	1.83E-05	1.12E-06	9.93E-06	1.81E-05	1.48E-06	1.40E-05	2.44E-05
926	1.11E-06	1.07E-05	1.83E-05	1.11E-06	9.92E-06	1.81E-05	1.48E-06	1.39E-05	2.44E-05
927	1.11E-06	1.07E-05	1.83E-05	1.11E-06	9.92E-06	1.81E-05	1.47E-06	1.39E-05	2.44E-05
928	1.11E-06	1.07E-05	1.83E-05	1.11E-06	9.91E-06	1.81E-05	1.47E-06	1.39E-05	2.44E-05
929	1.11E-06	1.07E-05	1.83E-05	1.11E-06	9.91E-06	1.81E-05	1.47E-06	1.39E-05	2.44E-05
930	1.11E-06	1.07E-05	1.83E-05	1.11E-06	9.90E-06	1.81E-05	1.47E-06	1.39E-05	2.43E-05
931	1.11E-06	1.07E-05	1.82E-05	1.11E-06	9.87E-06	1.81E-05	1.47E-06	1.39E-05	2.43E-05
932	1.11E-06	1.07E-05	1.82E-05	1.11E-06	9.87E-06	1.80E-05	1.47E-06	1.39E-05	2.43E-05
933	1.10E-06	1.07E-05	1.82E-05	1.11E-06	9.87E-06	1.80E-05	1.47E-06	1.39E-05	2.43E-05
934	1.10E-06	1.07E-05	1.82E-05	1.11E-06	9.85E-06	1.80E-05	1.47E-06	1.39E-05	2.43E-05
935	1.10E-06	1.07E-05	1.82E-05	1.11E-06	9.84E-06	1.80E-05	1.47E-06	1.39E-05	2.43E-05
936	1.10E-06	1.07E-05	1.82E-05	1.11E-06	9.84E-06	1.80E-05	1.47E-06	1.38E-05	2.43E-05
937	1.10E-06	1.07E-05	1.82E-05	1.11E-06	9.83E-06	1.80E-05	1.46E-06	1.38E-05	2.43E-05
938	1.10E-06	1.07E-05	1.81E-05	1.11E-06	9.82E-06	1.80E-05	1.46E-06	1.38E-05	2.43E-05
939	1.10E-06	1.07E-05	1.81E-05	1.11E-06	9.82E-06	1.79E-05	1.46E-06	1.38E-05	2.42E-05
940	1.10E-06	1.06E-05	1.81E-05	1.11E-06	9.81E-06	1.79E-05	1.46E-06	1.38E-05	2.42E-05
941	1.10E-06	1.06E-05	1.81E-05	1.11E-06	9.80E-06	1.79E-05	1.46E-06	1.38E-05	2.42E-05
942	1.09E-06	1.06E-05	1.81E-05	1.11E-06	9.80E-06	1.79E-05	1.46E-06	1.38E-05	2.42E-05
943	1.09E-06	1.06E-05	1.81E-05	1.11E-06	9.80E-06	1.79E-05	1.45E-06	1.38E-05	2.42E-05
944	1.09E-06	1.06E-05	1.81E-05	1.11E-06	9.80E-06	1.79E-05	1.45E-06	1.38E-05	2.42E-05
945	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.79E-06	1.79E-05	1.45E-06	1.38E-05	2.41E-05
946	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.78E-06	1.79E-05	1.45E-06	1.38E-05	2.41E-05
947	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.78E-06	1.79E-05	1.45E-06	1.38E-05	2.41E-05
948	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.77E-06	1.79E-05	1.45E-06	1.38E-05	2.41E-05
949	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.77E-06	1.78E-05	1.45E-06	1.38E-05	2.41E-05
950	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.77E-06	1.78E-05	1.45E-06	1.37E-05	2.41E-05
951	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.76E-06	1.78E-05	1.45E-06	1.37E-05	2.41E-05
952	1.09E-06	1.06E-05	1.80E-05	1.10E-06	9.76E-06	1.78E-05	1.45E-06	1.37E-05	2.41E-05
953	1.08E-06	1.06E-05	1.80E-05	1.10E-06	9.74E-06	1.78E-05	1.44E-06	1.37E-05	2.40E-05
954	1.08E-06	1.06E-05	1.79E-05	1.10E-06	9.74E-06	1.78E-05	1.44E-06	1.37E-05	2.40E-05
955	1.08E-06	1.06E-05	1.79E-05	1.10E-06	9.73E-06	1.78E-05	1.44E-06	1.37E-05	2.40E-05
956	1.08E-06	1.06E-05	1.79E-05	1.10E-06	9.70E-06	1.78E-05	1.44E-06	1.37E-05	2.39E-05
957	1.08E-06	1.06E-05	1.79E-05	1.10E-06	9.70E-06	1.78E-05	1.44E-06	1.36E-05	2.39E-05
958	1.08E-06	1.06E-05	1.79E-05	1.10E-06	9.69E-06	1.77E-05	1.44E-06	1.36E-05	2.39E-05
959	1.08E-06	1.05E-05	1.79E-05	1.09E-06	9.69E-06	1.77E-05	1.43E-06	1.36E-05	2.39E-05
960	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.68E-06	1.77E-05	1.43E-06	1.36E-05	2.39E-05
961	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.68E-06	1.77E-05	1.43E-06	1.36E-05	2.38E-05
962	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.67E-06	1.77E-05	1.43E-06	1.36E-05	2.38E-05
963	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.67E-06	1.77E-05	1.43E-06	1.36E-05	2.38E-05
964	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.67E-06	1.77E-05	1.43E-06	1.36E-05	2.38E-05
965	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.66E-06	1.77E-05	1.43E-06	1.36E-05	2.37E-05
966	1.08E-06	1.05E-05	1.78E-05	1.09E-06	9.64E-06	1.76E-05	1.43E-06	1.36E-05	2.37E-05
967	1.08E-06	1.05E-05	1.77E-05	1.09E-06	9.64E-06	1.76E-05	1.43E-06	1.36E-05	2.37E-05
968	1.08E-06	1.05E-05	1.77E-05	1.09E-06	9.62E-06	1.76E-05	1.42E-06	1.36E-05	2.37E-05
969	1.08E-06	1.05E-05	1.77E-05	1.09E-06	9.61E-06	1.76E-05	1.42E-06	1.36E-05	2.37E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
970	1.08E-06	1.05E-05	1.77E-05	1.09E-06	9.61E-06	1.76E-05	1.42E-06	1.35E-05	2.37E-05
971	1.07E-06	1.05E-05	1.77E-05	1.08E-06	9.60E-06	1.76E-05	1.42E-06	1.35E-05	2.37E-05
972	1.07E-06	1.05E-05	1.77E-05	1.08E-06	9.59E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
973	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.59E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
974	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.59E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
975	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.58E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
976	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.57E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
977	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.54E-06	1.76E-05	1.42E-06	1.35E-05	2.36E-05
978	1.07E-06	1.05E-05	1.76E-05	1.08E-06	9.54E-06	1.76E-05	1.42E-06	1.35E-05	2.35E-05
979	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.53E-06	1.75E-05	1.41E-06	1.35E-05	2.34E-05
980	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.52E-06	1.75E-05	1.41E-06	1.35E-05	2.34E-05
981	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.52E-06	1.75E-05	1.41E-06	1.35E-05	2.34E-05
982	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.50E-06	1.75E-05	1.41E-06	1.35E-05	2.34E-05
983	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.50E-06	1.75E-05	1.41E-06	1.34E-05	2.34E-05
984	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.50E-06	1.75E-05	1.41E-06	1.34E-05	2.34E-05
985	1.07E-06	1.04E-05	1.76E-05	1.08E-06	9.47E-06	1.75E-05	1.41E-06	1.34E-05	2.34E-05
986	1.07E-06	1.04E-05	1.75E-05	1.08E-06	9.46E-06	1.75E-05	1.41E-06	1.34E-05	2.34E-05
987	1.07E-06	1.04E-05	1.75E-05	1.08E-06	9.46E-06	1.74E-05	1.41E-06	1.34E-05	2.33E-05
988	1.06E-06	1.04E-05	1.75E-05	1.07E-06	9.46E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
989	1.06E-06	1.04E-05	1.75E-05	1.07E-06	9.46E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
990	1.06E-06	1.04E-05	1.75E-05	1.07E-06	9.46E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
991	1.06E-06	1.04E-05	1.75E-05	1.07E-06	9.45E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
992	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.44E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
993	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.43E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
994	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.43E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
995	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.42E-06	1.74E-05	1.40E-06	1.33E-05	2.33E-05
996	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.42E-06	1.74E-05	1.40E-06	1.32E-05	2.33E-05
997	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.41E-06	1.74E-05	1.40E-06	1.32E-05	2.32E-05
998	1.06E-06	1.03E-05	1.75E-05	1.07E-06	9.40E-06	1.73E-05	1.40E-06	1.32E-05	2.32E-05
999	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.40E-06	1.73E-05	1.40E-06	1.32E-05	2.32E-05
1,000	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.39E-06	1.73E-05	1.40E-06	1.32E-05	2.32E-05
1,001	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.39E-06	1.73E-05	1.39E-06	1.32E-05	2.32E-05
1,002	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.38E-06	1.73E-05	1.39E-06	1.32E-05	2.32E-05
1,003	1.06E-06	1.03E-05	1.74E-05	1.06E-06	9.37E-06	1.73E-05	1.39E-06	1.32E-05	2.32E-05
1,004	1.06E-06	1.02E-05	1.74E-05	1.06E-06	9.36E-06	1.73E-05	1.39E-06	1.32E-05	2.32E-05
1,005	1.06E-06	1.02E-05	1.74E-05	1.06E-06	9.36E-06	1.72E-05	1.39E-06	1.32E-05	2.32E-05
1,006	1.06E-06	1.02E-05	1.74E-05	1.06E-06	9.35E-06	1.72E-05	1.39E-06	1.32E-05	2.32E-05
1,007	1.06E-06	1.02E-05	1.74E-05	1.06E-06	9.35E-06	1.72E-05	1.39E-06	1.31E-05	2.31E-05
1,008	1.06E-06	1.02E-05	1.74E-05	1.06E-06	9.35E-06	1.72E-05	1.39E-06	1.31E-05	2.31E-05
1,009	1.06E-06	1.02E-05	1.73E-05	1.06E-06	9.34E-06	1.72E-05	1.39E-06	1.31E-05	2.31E-05
1,010	1.05E-06	1.02E-05	1.73E-05	1.06E-06	9.34E-06	1.72E-05	1.39E-06	1.31E-05	2.31E-05
1,011	1.05E-06	1.02E-05	1.73E-05	1.06E-06	9.33E-06	1.71E-05	1.39E-06	1.31E-05	2.31E-05
1,012	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.31E-06	1.71E-05	1.38E-06	1.31E-05	2.31E-05
1,013	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.30E-06	1.71E-05	1.38E-06	1.31E-05	2.31E-05
1,014	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.29E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,015	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.28E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,016	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.28E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,017	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.27E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,018	1.05E-06	1.02E-05	1.73E-05	1.05E-06	9.26E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,019	1.05E-06	1.01E-05	1.72E-05	1.05E-06	9.25E-06	1.71E-05	1.38E-06	1.31E-05	2.30E-05
1,020	1.05E-06	1.01E-05	1.72E-05	1.05E-06	9.25E-06	1.71E-05	1.38E-06	1.30E-05	2.30E-05
1,021	1.05E-06	1.01E-05	1.72E-05	1.05E-06	9.23E-06	1.70E-05	1.38E-06	1.30E-05	2.30E-05
1,022	1.05E-06	1.01E-05	1.72E-05	1.05E-06	9.23E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,023	1.04E-06	1.01E-05	1.72E-05	1.05E-06	9.22E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,024	1.04E-06	1.01E-05	1.72E-05	1.05E-06	9.22E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,025	1.04E-06	1.01E-05	1.72E-05	1.05E-06	9.21E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,026	1.04E-06	1.01E-05	1.72E-05	1.05E-06	9.21E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,027	1.04E-06	1.01E-05	1.71E-05	1.05E-06	9.19E-06	1.70E-05	1.38E-06	1.30E-05	2.29E-05
1,028	1.04E-06	1.01E-05	1.71E-05	1.05E-06	9.19E-06	1.70E-05	1.37E-06	1.30E-05	2.29E-05
1,029	1.04E-06	1.01E-05	1.71E-05	1.05E-06	9.19E-06	1.70E-05	1.37E-06	1.30E-05	2.28E-05
1,030	1.04E-06	1.01E-05	1.71E-05	1.04E-06	9.19E-06	1.70E-05	1.37E-06	1.30E-05	2.28E-05
1,031	1.04E-06	1.01E-05	1.71E-05	1.04E-06	9.18E-06	1.70E-05	1.37E-06	1.29E-05	2.28E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,032	1.04E-06	1.01E-05	1.71E-05	1.04E-06	9.18E-06	1.70E-05	1.37E-06	1.29E-05	2.28E-05
1,033	1.04E-06	1.01E-05	1.71E-05	1.04E-06	9.17E-06	1.70E-05	1.37E-06	1.29E-05	2.28E-05
1,034	1.04E-06	1.01E-05	1.71E-05	1.04E-06	9.17E-06	1.69E-05	1.37E-06	1.29E-05	2.28E-05
1,035	1.04E-06	1.00E-05	1.71E-05	1.04E-06	9.17E-06	1.69E-05	1.37E-06	1.29E-05	2.27E-05
1,036	1.04E-06	1.00E-05	1.71E-05	1.04E-06	9.15E-06	1.69E-05	1.37E-06	1.28E-05	2.27E-05
1,037	1.04E-06	1.00E-05	1.70E-05	1.04E-06	9.15E-06	1.69E-05	1.37E-06	1.28E-05	2.27E-05
1,038	1.04E-06	1.00E-05	1.70E-05	1.04E-06	9.15E-06	1.69E-05	1.36E-06	1.28E-05	2.27E-05
1,039	1.04E-06	1.00E-05	1.70E-05	1.04E-06	9.14E-06	1.69E-05	1.36E-06	1.28E-05	2.27E-05
1,040	1.03E-06	1.00E-05	1.70E-05	1.04E-06	9.13E-06	1.69E-05	1.36E-06	1.28E-05	2.27E-05
1,041	1.03E-06	1.00E-05	1.70E-05	1.04E-06	9.11E-06	1.69E-05	1.36E-06	1.28E-05	2.27E-05
1,042	1.03E-06	1.00E-05	1.70E-05	1.03E-06	9.10E-06	1.69E-05	1.36E-06	1.28E-05	2.27E-05
1,043	1.03E-06	1.00E-05	1.70E-05	1.03E-06	9.10E-06	1.68E-05	1.36E-06	1.28E-05	2.27E-05
1,044	1.03E-06	9.98E-06	1.70E-05	1.03E-06	9.08E-06	1.68E-05	1.36E-06	1.28E-05	2.27E-05
1,045	1.03E-06	9.95E-06	1.70E-05	1.03E-06	9.08E-06	1.68E-05	1.36E-06	1.28E-05	2.26E-05
1,046	1.03E-06	9.93E-06	1.70E-05	1.03E-06	9.04E-06	1.68E-05	1.36E-06	1.28E-05	2.26E-05
1,047	1.03E-06	9.93E-06	1.70E-05	1.03E-06	9.04E-06	1.68E-05	1.36E-06	1.28E-05	2.26E-05
1,048	1.03E-06	9.92E-06	1.70E-05	1.03E-06	9.04E-06	1.68E-05	1.36E-06	1.28E-05	2.26E-05
1,049	1.03E-06	9.91E-06	1.70E-05	1.03E-06	9.03E-06	1.68E-05	1.36E-06	1.28E-05	2.26E-05
1,050	1.03E-06	9.91E-06	1.69E-05	1.03E-06	9.02E-06	1.68E-05	1.35E-06	1.27E-05	2.26E-05
1,051	1.03E-06	9.89E-06	1.69E-05	1.03E-06	9.02E-06	1.68E-05	1.35E-06	1.27E-05	2.26E-05
1,052	1.03E-06	9.88E-06	1.69E-05	1.03E-06	9.01E-06	1.67E-05	1.35E-06	1.27E-05	2.26E-05
1,053	1.03E-06	9.87E-06	1.69E-05	1.03E-06	9.00E-06	1.67E-05	1.35E-06	1.27E-05	2.26E-05
1,054	1.03E-06	9.87E-06	1.69E-05	1.03E-06	9.00E-06	1.67E-05	1.35E-06	1.27E-05	2.25E-05
1,055	1.03E-06	9.86E-06	1.69E-05	1.03E-06	9.00E-06	1.67E-05	1.35E-06	1.27E-05	2.25E-05
1,056	1.03E-06	9.86E-06	1.69E-05	1.03E-06	8.99E-06	1.67E-05	1.35E-06	1.27E-05	2.25E-05
1,057	1.03E-06	9.85E-06	1.69E-05	1.02E-06	8.99E-06	1.67E-05	1.35E-06	1.27E-05	2.25E-05
1,058	1.03E-06	9.84E-06	1.69E-05	1.02E-06	8.99E-06	1.67E-05	1.35E-06	1.27E-05	2.25E-05
1,059	1.02E-06	9.82E-06	1.69E-05	1.02E-06	8.98E-06	1.66E-05	1.35E-06	1.27E-05	2.25E-05
1,060	1.02E-06	9.82E-06	1.68E-05	1.02E-06	8.98E-06	1.66E-05	1.35E-06	1.27E-05	2.25E-05
1,061	1.02E-06	9.81E-06	1.68E-05	1.02E-06	8.98E-06	1.66E-05	1.35E-06	1.27E-05	2.24E-05
1,062	1.02E-06	9.81E-06	1.68E-05	1.02E-06	8.97E-06	1.66E-05	1.35E-06	1.27E-05	2.24E-05
1,063	1.02E-06	9.80E-06	1.68E-05	1.02E-06	8.97E-06	1.66E-05	1.35E-06	1.27E-05	2.24E-05
1,064	1.02E-06	9.80E-06	1.68E-05	1.02E-06	8.97E-06	1.65E-05	1.35E-06	1.26E-05	2.24E-05
1,065	1.02E-06	9.80E-06	1.68E-05	1.02E-06	8.96E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,066	1.02E-06	9.80E-06	1.68E-05	1.02E-06	8.96E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,067	1.02E-06	9.78E-06	1.68E-05	1.02E-06	8.95E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,068	1.02E-06	9.77E-06	1.68E-05	1.02E-06	8.95E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,069	1.02E-06	9.77E-06	1.68E-05	1.01E-06	8.95E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,070	1.02E-06	9.77E-06	1.68E-05	1.01E-06	8.94E-06	1.65E-05	1.34E-06	1.26E-05	2.24E-05
1,071	1.02E-06	9.76E-06	1.67E-05	1.01E-06	8.94E-06	1.65E-05	1.34E-06	1.26E-05	2.23E-05
1,072	1.02E-06	9.75E-06	1.67E-05	1.01E-06	8.94E-06	1.65E-05	1.34E-06	1.26E-05	2.23E-05
1,073	1.02E-06	9.74E-06	1.67E-05	1.01E-06	8.93E-06	1.64E-05	1.34E-06	1.26E-05	2.23E-05
1,074	1.01E-06	9.72E-06	1.67E-05	1.01E-06	8.92E-06	1.64E-05	1.34E-06	1.26E-05	2.23E-05
1,075	1.01E-06	9.72E-06	1.67E-05	1.01E-06	8.92E-06	1.64E-05	1.33E-06	1.26E-05	2.23E-05
1,076	1.01E-06	9.71E-06	1.67E-05	1.01E-06	8.92E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,077	1.01E-06	9.71E-06	1.67E-05	1.01E-06	8.92E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,078	1.01E-06	9.68E-06	1.67E-05	1.01E-06	8.91E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,079	1.01E-06	9.67E-06	1.67E-05	1.01E-06	8.90E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,080	1.01E-06	9.66E-06	1.67E-05	1.01E-06	8.89E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,081	1.01E-06	9.64E-06	1.66E-05	1.01E-06	8.89E-06	1.64E-05	1.33E-06	1.25E-05	2.23E-05
1,082	1.01E-06	9.64E-06	1.66E-05	1.01E-06	8.88E-06	1.63E-05	1.33E-06	1.25E-05	2.23E-05
1,083	1.01E-06	9.63E-06	1.66E-05	1.01E-06	8.88E-06	1.63E-05	1.32E-06	1.25E-05	2.23E-05
1,084	1.01E-06	9.63E-06	1.66E-05	1.01E-06	8.88E-06	1.63E-05	1.32E-06	1.25E-05	2.23E-05
1,085	1.01E-06	9.62E-06	1.66E-05	1.00E-06	8.88E-06	1.63E-05	1.32E-06	1.24E-05	2.23E-05
1,086	1.01E-06	9.62E-06	1.65E-05	1.00E-06	8.87E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,087	1.01E-06	9.62E-06	1.65E-05	1.00E-06	8.87E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,088	1.01E-06	9.61E-06	1.65E-05	1.00E-06	8.86E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,089	1.00E-06	9.59E-06	1.65E-05	1.00E-06	8.85E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,090	1.00E-06	9.59E-06	1.65E-05	1.00E-06	8.85E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,091	1.00E-06	9.57E-06	1.65E-05	1.00E-06	8.84E-06	1.63E-05	1.32E-06	1.24E-05	2.22E-05
1,092	1.00E-06	9.56E-06	1.65E-05	1.00E-06	8.83E-06	1.62E-05	1.32E-06	1.24E-05	2.22E-05
1,093	1.00E-06	9.56E-06	1.65E-05	1.00E-06	8.82E-06	1.62E-05	1.32E-06	1.24E-05	2.22E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,094	1.00E-06	9.55E-06	1.65E-05	1.00E-06	8.82E-06	1.62E-05	1.32E-06	1.24E-05	2.21E-05
1,095	1.00E-06	9.54E-06	1.65E-05	1.00E-06	8.82E-06	1.62E-05	1.31E-06	1.24E-05	2.21E-05
1,096	1.00E-06	9.54E-06	1.64E-05	9.99E-07	8.81E-06	1.62E-05	1.31E-06	1.23E-05	2.20E-05
1,097	1.00E-06	9.54E-06	1.64E-05	9.99E-07	8.80E-06	1.62E-05	1.31E-06	1.23E-05	2.20E-05
1,098	1.00E-06	9.54E-06	1.64E-05	9.99E-07	8.80E-06	1.62E-05	1.31E-06	1.23E-05	2.20E-05
1,099	9.99E-07	9.51E-06	1.64E-05	9.98E-07	8.80E-06	1.62E-05	1.31E-06	1.23E-05	2.20E-05
1,100	9.99E-07	9.49E-06	1.64E-05	9.97E-07	8.79E-06	1.62E-05	1.31E-06	1.23E-05	2.20E-05
1,101	9.99E-07	9.46E-06	1.64E-05	9.96E-07	8.79E-06	1.62E-05	1.31E-06	1.23E-05	2.19E-05
1,102	9.99E-07	9.44E-06	1.64E-05	9.96E-07	8.79E-06	1.62E-05	1.31E-06	1.23E-05	2.19E-05
1,103	9.98E-07	9.43E-06	1.64E-05	9.95E-07	8.77E-06	1.62E-05	1.31E-06	1.23E-05	2.19E-05
1,104	9.97E-07	9.42E-06	1.64E-05	9.95E-07	8.77E-06	1.62E-05	1.31E-06	1.23E-05	2.19E-05
1,105	9.97E-07	9.40E-06	1.64E-05	9.94E-07	8.76E-06	1.61E-05	1.31E-06	1.23E-05	2.19E-05
1,106	9.96E-07	9.39E-06	1.64E-05	9.94E-07	8.76E-06	1.61E-05	1.31E-06	1.23E-05	2.19E-05
1,107	9.96E-07	9.38E-06	1.64E-05	9.94E-07	8.76E-06	1.61E-05	1.30E-06	1.23E-05	2.19E-05
1,108	9.95E-07	9.38E-06	1.64E-05	9.93E-07	8.76E-06	1.61E-05	1.30E-06	1.22E-05	2.18E-05
1,109	9.95E-07	9.38E-06	1.63E-05	9.92E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,110	9.95E-07	9.37E-06	1.63E-05	9.92E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,111	9.94E-07	9.36E-06	1.63E-05	9.91E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,112	9.94E-07	9.35E-06	1.63E-05	9.91E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,113	9.93E-07	9.35E-06	1.63E-05	9.90E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,114	9.93E-07	9.34E-06	1.63E-05	9.85E-07	8.74E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,115	9.93E-07	9.33E-06	1.63E-05	9.83E-07	8.73E-06	1.60E-05	1.30E-06	1.22E-05	2.18E-05
1,116	9.91E-07	9.33E-06	1.63E-05	9.83E-07	8.73E-06	1.60E-05	1.29E-06	1.22E-05	2.17E-05
1,117	9.91E-07	9.32E-06	1.63E-05	9.82E-07	8.73E-06	1.60E-05	1.29E-06	1.22E-05	2.17E-05
1,118	9.91E-07	9.32E-06	1.63E-05	9.82E-07	8.72E-06	1.59E-05	1.29E-06	1.22E-05	2.17E-05
1,119	9.90E-07	9.31E-06	1.62E-05	9.81E-07	8.72E-06	1.59E-05	1.29E-06	1.22E-05	2.17E-05
1,120	9.89E-07	9.29E-06	1.62E-05	9.81E-07	8.72E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,121	9.89E-07	9.29E-06	1.62E-05	9.80E-07	8.71E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,122	9.89E-07	9.25E-06	1.62E-05	9.80E-07	8.71E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,123	9.88E-07	9.25E-06	1.62E-05	9.79E-07	8.71E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,124	9.86E-07	9.24E-06	1.62E-05	9.78E-07	8.70E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,125	9.85E-07	9.23E-06	1.62E-05	9.78E-07	8.70E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,126	9.85E-07	9.23E-06	1.62E-05	9.78E-07	8.70E-06	1.59E-05	1.29E-06	1.21E-05	2.17E-05
1,127	9.83E-07	9.23E-06	1.62E-05	9.77E-07	8.69E-06	1.59E-05	1.29E-06	1.21E-05	2.16E-05
1,128	9.82E-07	9.23E-06	1.62E-05	9.77E-07	8.69E-06	1.59E-05	1.29E-06	1.21E-05	2.16E-05
1,129	9.82E-07	9.22E-06	1.62E-05	9.76E-07	8.68E-06	1.59E-05	1.29E-06	1.21E-05	2.16E-05
1,130	9.82E-07	9.21E-06	1.61E-05	9.76E-07	8.68E-06	1.59E-05	1.29E-06	1.21E-05	2.16E-05
1,131	9.81E-07	9.21E-06	1.61E-05	9.76E-07	8.68E-06	1.58E-05	1.29E-06	1.20E-05	2.16E-05
1,132	9.80E-07	9.21E-06	1.61E-05	9.76E-07	8.67E-06	1.58E-05	1.29E-06	1.20E-05	2.16E-05
1,133	9.80E-07	9.20E-06	1.61E-05	9.76E-07	8.67E-06	1.58E-05	1.29E-06	1.20E-05	2.15E-05
1,134	9.80E-07	9.19E-06	1.61E-05	9.74E-07	8.67E-06	1.58E-05	1.28E-06	1.20E-05	2.15E-05
1,135	9.79E-07	9.19E-06	1.61E-05	9.74E-07	8.66E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,136	9.79E-07	9.18E-06	1.61E-05	9.73E-07	8.66E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,137	9.78E-07	9.18E-06	1.61E-05	9.71E-07	8.65E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,138	9.77E-07	9.17E-06	1.61E-05	9.71E-07	8.65E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,139	9.77E-07	9.17E-06	1.60E-05	9.71E-07	8.64E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,140	9.75E-07	9.16E-06	1.60E-05	9.71E-07	8.64E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,141	9.74E-07	9.15E-06	1.60E-05	9.70E-07	8.63E-06	1.58E-05	1.28E-06	1.20E-05	2.14E-05
1,142	9.73E-07	9.15E-06	1.60E-05	9.70E-07	8.63E-06	1.58E-05	1.28E-06	1.19E-05	2.14E-05
1,143	9.73E-07	9.15E-06	1.60E-05	9.69E-07	8.63E-06	1.57E-05	1.28E-06	1.19E-05	2.14E-05
1,144	9.72E-07	9.14E-06	1.60E-05	9.68E-07	8.62E-06	1.57E-05	1.28E-06	1.19E-05	2.14E-05
1,145	9.72E-07	9.13E-06	1.60E-05	9.67E-07	8.62E-06	1.57E-05	1.28E-06	1.19E-05	2.13E-05
1,146	9.72E-07	9.13E-06	1.60E-05	9.66E-07	8.62E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,147	9.71E-07	9.13E-06	1.59E-05	9.65E-07	8.62E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,148	9.70E-07	9.13E-06	1.59E-05	9.65E-07	8.61E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,149	9.70E-07	9.12E-06	1.59E-05	9.65E-07	8.59E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,150	9.68E-07	9.12E-06	1.59E-05	9.64E-07	8.56E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,151	9.68E-07	9.12E-06	1.59E-05	9.64E-07	8.56E-06	1.57E-05	1.27E-06	1.19E-05	2.13E-05
1,152	9.67E-07	9.11E-06	1.59E-05	9.64E-07	8.55E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,153	9.66E-07	9.10E-06	1.59E-05	9.64E-07	8.54E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,154	9.66E-07	9.10E-06	1.59E-05	9.64E-07	8.54E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,155	9.65E-07	9.09E-06	1.58E-05	9.62E-07	8.54E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,156	9.65E-07	9.08E-06	1.58E-05	9.62E-07	8.54E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,157	9.65E-07	9.08E-06	1.58E-05	9.61E-07	8.53E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,158	9.64E-07	9.08E-06	1.58E-05	9.61E-07	8.50E-06	1.56E-05	1.27E-06	1.18E-05	2.12E-05
1,159	9.64E-07	9.07E-06	1.58E-05	9.60E-07	8.49E-06	1.56E-05	1.27E-06	1.18E-05	2.11E-05
1,160	9.63E-07	9.07E-06	1.58E-05	9.60E-07	8.49E-06	1.56E-05	1.27E-06	1.18E-05	2.11E-05
1,161	9.63E-07	9.07E-06	1.58E-05	9.59E-07	8.49E-06	1.55E-05	1.27E-06	1.18E-05	2.11E-05
1,162	9.63E-07	9.07E-06	1.58E-05	9.59E-07	8.47E-06	1.55E-05	1.27E-06	1.18E-05	2.11E-05
1,163	9.62E-07	9.06E-06	1.58E-05	9.59E-07	8.47E-06	1.55E-05	1.27E-06	1.18E-05	2.11E-05
1,164	9.62E-07	9.06E-06	1.58E-05	9.59E-07	8.47E-06	1.55E-05	1.27E-06	1.18E-05	2.11E-05
1,165	9.61E-07	9.06E-06	1.58E-05	9.58E-07	8.47E-06	1.55E-05	1.26E-06	1.18E-05	2.11E-05
1,166	9.61E-07	9.06E-06	1.58E-05	9.58E-07	8.45E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,167	9.59E-07	9.06E-06	1.57E-05	9.58E-07	8.45E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,168	9.58E-07	9.05E-06	1.57E-05	9.57E-07	8.44E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,169	9.58E-07	9.04E-06	1.57E-05	9.57E-07	8.44E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,170	9.57E-07	9.04E-06	1.57E-05	9.57E-07	8.43E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,171	9.56E-07	9.04E-06	1.57E-05	9.56E-07	8.43E-06	1.55E-05	1.26E-06	1.18E-05	2.10E-05
1,172	9.55E-07	9.04E-06	1.57E-05	9.56E-07	8.42E-06	1.55E-05	1.26E-06	1.18E-05	2.09E-05
1,173	9.55E-07	9.04E-06	1.57E-05	9.55E-07	8.42E-06	1.55E-05	1.26E-06	1.17E-05	2.09E-05
1,174	9.54E-07	9.03E-06	1.57E-05	9.54E-07	8.42E-06	1.55E-05	1.26E-06	1.17E-05	2.09E-05
1,175	9.53E-07	9.02E-06	1.57E-05	9.54E-07	8.41E-06	1.55E-05	1.26E-06	1.17E-05	2.09E-05
1,176	9.52E-07	9.02E-06	1.57E-05	9.53E-07	8.41E-06	1.54E-05	1.26E-06	1.17E-05	2.09E-05
1,177	9.52E-07	9.02E-06	1.57E-05	9.53E-07	8.41E-06	1.54E-05	1.26E-06	1.17E-05	2.09E-05
1,178	9.51E-07	9.01E-06	1.57E-05	9.52E-07	8.40E-06	1.54E-05	1.25E-06	1.17E-05	2.09E-05
1,179	9.50E-07	9.01E-06	1.57E-05	9.52E-07	8.40E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,180	9.50E-07	9.01E-06	1.57E-05	9.52E-07	8.39E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,181	9.49E-07	8.98E-06	1.57E-05	9.51E-07	8.38E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,182	9.48E-07	8.96E-06	1.57E-05	9.51E-07	8.38E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,183	9.48E-07	8.96E-06	1.56E-05	9.51E-07	8.37E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,184	9.47E-07	8.96E-06	1.56E-05	9.50E-07	8.37E-06	1.54E-05	1.25E-06	1.17E-05	2.08E-05
1,185	9.47E-07	8.96E-06	1.56E-05	9.49E-07	8.37E-06	1.53E-05	1.25E-06	1.17E-05	2.08E-05
1,186	9.47E-07	8.95E-06	1.56E-05	9.48E-07	8.37E-06	1.53E-05	1.25E-06	1.16E-05	2.08E-05
1,187	9.47E-07	8.94E-06	1.56E-05	9.48E-07	8.36E-06	1.53E-05	1.25E-06	1.16E-05	2.08E-05
1,188	9.47E-07	8.94E-06	1.56E-05	9.48E-07	8.36E-06	1.53E-05	1.25E-06	1.16E-05	2.08E-05
1,189	9.47E-07	8.94E-06	1.56E-05	9.48E-07	8.36E-06	1.53E-05	1.25E-06	1.16E-05	2.08E-05
1,190	9.46E-07	8.93E-06	1.56E-05	9.47E-07	8.35E-06	1.53E-05	1.25E-06	1.16E-05	2.08E-05
1,191	9.46E-07	8.93E-06	1.56E-05	9.47E-07	8.35E-06	1.53E-05	1.24E-06	1.16E-05	2.08E-05
1,192	9.45E-07	8.93E-06	1.56E-05	9.47E-07	8.34E-06	1.53E-05	1.24E-06	1.16E-05	2.08E-05
1,193	9.45E-07	8.92E-06	1.56E-05	9.47E-07	8.34E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,194	9.44E-07	8.92E-06	1.56E-05	9.45E-07	8.34E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,195	9.44E-07	8.90E-06	1.56E-05	9.45E-07	8.33E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,196	9.43E-07	8.88E-06	1.56E-05	9.45E-07	8.33E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,197	9.43E-07	8.88E-06	1.56E-05	9.45E-07	8.32E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,198	9.43E-07	8.88E-06	1.56E-05	9.42E-07	8.32E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,199	9.43E-07	8.88E-06	1.56E-05	9.42E-07	8.32E-06	1.53E-05	1.24E-06	1.16E-05	2.07E-05
1,200	9.43E-07	8.88E-06	1.55E-05	9.42E-07	8.31E-06	1.53E-05	1.24E-06	1.15E-05	2.07E-05
1,201	9.41E-07	8.88E-06	1.55E-05	9.41E-07	8.31E-06	1.52E-05	1.24E-06	1.15E-05	2.06E-05
1,202	9.41E-07	8.87E-06	1.55E-05	9.41E-07	8.30E-06	1.52E-05	1.24E-06	1.15E-05	2.06E-05
1,203	9.41E-07	8.87E-06	1.55E-05	9.40E-07	8.29E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,204	9.40E-07	8.87E-06	1.55E-05	9.40E-07	8.28E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,205	9.39E-07	8.87E-06	1.55E-05	9.39E-07	8.28E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,206	9.39E-07	8.85E-06	1.55E-05	9.39E-07	8.27E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,207	9.38E-07	8.84E-06	1.55E-05	9.39E-07	8.27E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,208	9.38E-07	8.84E-06	1.55E-05	9.39E-07	8.27E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,209	9.37E-07	8.83E-06	1.55E-05	9.38E-07	8.26E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,210	9.37E-07	8.82E-06	1.55E-05	9.37E-07	8.26E-06	1.52E-05	1.23E-06	1.15E-05	2.06E-05
1,211	9.37E-07	8.82E-06	1.55E-05	9.37E-07	8.25E-06	1.52E-05	1.23E-06	1.15E-05	2.05E-05
1,212	9.37E-07	8.82E-06	1.55E-05	9.36E-07	8.24E-06	1.52E-05	1.23E-06	1.15E-05	2.05E-05
1,213	9.37E-07	8.81E-06	1.54E-05	9.34E-07	8.24E-06	1.52E-05	1.23E-06	1.15E-05	2.05E-05
1,214	9.35E-07	8.80E-06	1.54E-05	9.34E-07	8.23E-06	1.52E-05	1.23E-06	1.15E-05	2.05E-05
1,215	9.35E-07	8.80E-06	1.54E-05	9.34E-07	8.23E-06	1.52E-05	1.23E-06	1.14E-05	2.05E-05
1,216	9.34E-07	8.80E-06	1.54E-05	9.33E-07	8.22E-06	1.52E-05	1.23E-06	1.14E-05	2.05E-05
1,217	9.32E-07	8.79E-06	1.54E-05	9.33E-07	8.22E-06	1.52E-05	1.23E-06	1.14E-05	2.05E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,218	9.32E-07	8.79E-06	1.54E-05	9.32E-07	8.22E-06	1.52E-05	1.23E-06	1.14E-05	2.04E-05
1,219	9.30E-07	8.78E-06	1.54E-05	9.31E-07	8.22E-06	1.52E-05	1.23E-06	1.14E-05	2.04E-05
1,220	9.29E-07	8.78E-06	1.53E-05	9.29E-07	8.21E-06	1.52E-05	1.23E-06	1.14E-05	2.04E-05
1,221	9.29E-07	8.78E-06	1.53E-05	9.27E-07	8.21E-06	1.51E-05	1.22E-06	1.14E-05	2.04E-05
1,222	9.28E-07	8.77E-06	1.53E-05	9.27E-07	8.21E-06	1.51E-05	1.22E-06	1.14E-05	2.04E-05
1,223	9.28E-07	8.76E-06	1.53E-05	9.26E-07	8.20E-06	1.51E-05	1.22E-06	1.14E-05	2.04E-05
1,224	9.27E-07	8.76E-06	1.53E-05	9.25E-07	8.20E-06	1.51E-05	1.22E-06	1.14E-05	2.04E-05
1,225	9.27E-07	8.75E-06	1.53E-05	9.25E-07	8.20E-06	1.51E-05	1.22E-06	1.13E-05	2.04E-05
1,226	9.27E-07	8.74E-06	1.53E-05	9.25E-07	8.19E-06	1.51E-05	1.22E-06	1.13E-05	2.04E-05
1,227	9.27E-07	8.74E-06	1.53E-05	9.24E-07	8.19E-06	1.51E-05	1.22E-06	1.13E-05	2.04E-05
1,228	9.27E-07	8.73E-06	1.52E-05	9.24E-07	8.19E-06	1.51E-05	1.22E-06	1.13E-05	2.03E-05
1,229	9.27E-07	8.73E-06	1.52E-05	9.24E-07	8.18E-06	1.51E-05	1.22E-06	1.13E-05	2.03E-05
1,230	9.26E-07	8.72E-06	1.52E-05	9.24E-07	8.18E-06	1.51E-05	1.21E-06	1.13E-05	2.03E-05
1,231	9.26E-07	8.72E-06	1.52E-05	9.22E-07	8.18E-06	1.51E-05	1.21E-06	1.13E-05	2.03E-05
1,232	9.25E-07	8.72E-06	1.52E-05	9.21E-07	8.17E-06	1.50E-05	1.21E-06	1.13E-05	2.03E-05
1,233	9.24E-07	8.72E-06	1.52E-05	9.21E-07	8.17E-06	1.50E-05	1.21E-06	1.13E-05	2.03E-05
1,234	9.23E-07	8.71E-06	1.52E-05	9.21E-07	8.17E-06	1.50E-05	1.21E-06	1.13E-05	2.03E-05
1,235	9.23E-07	8.71E-06	1.52E-05	9.20E-07	8.15E-06	1.50E-05	1.21E-06	1.13E-05	2.03E-05
1,236	9.21E-07	8.71E-06	1.51E-05	9.20E-07	8.15E-06	1.50E-05	1.21E-06	1.13E-05	2.02E-05
1,237	9.21E-07	8.70E-06	1.51E-05	9.20E-07	8.14E-06	1.50E-05	1.21E-06	1.13E-05	2.02E-05
1,238	9.20E-07	8.70E-06	1.51E-05	9.19E-07	8.14E-06	1.50E-05	1.21E-06	1.13E-05	2.02E-05
1,239	9.20E-07	8.68E-06	1.51E-05	9.18E-07	8.13E-06	1.50E-05	1.21E-06	1.13E-05	2.02E-05
1,240	9.18E-07	8.68E-06	1.51E-05	9.18E-07	8.13E-06	1.50E-05	1.21E-06	1.12E-05	2.02E-05
1,241	9.18E-07	8.67E-06	1.51E-05	9.18E-07	8.12E-06	1.50E-05	1.21E-06	1.12E-05	2.02E-05
1,242	9.18E-07	8.67E-06	1.51E-05	9.17E-07	8.12E-06	1.50E-05	1.21E-06	1.12E-05	2.01E-05
1,243	9.18E-07	8.66E-06	1.51E-05	9.17E-07	8.12E-06	1.50E-05	1.21E-06	1.12E-05	2.01E-05
1,244	9.16E-07	8.66E-06	1.51E-05	9.17E-07	8.11E-06	1.50E-05	1.21E-06	1.12E-05	2.01E-05
1,245	9.16E-07	8.65E-06	1.50E-05	9.15E-07	8.10E-06	1.49E-05	1.21E-06	1.12E-05	2.01E-05
1,246	9.15E-07	8.65E-06	1.50E-05	9.15E-07	8.10E-06	1.49E-05	1.21E-06	1.12E-05	2.01E-05
1,247	9.15E-07	8.61E-06	1.50E-05	9.14E-07	8.10E-06	1.49E-05	1.20E-06	1.12E-05	2.01E-05
1,248	9.14E-07	8.61E-06	1.50E-05	9.14E-07	8.09E-06	1.49E-05	1.20E-06	1.12E-05	2.01E-05
1,249	9.14E-07	8.59E-06	1.50E-05	9.14E-07	8.08E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,250	9.13E-07	8.59E-06	1.50E-05	9.14E-07	8.08E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,251	9.13E-07	8.59E-06	1.50E-05	9.13E-07	8.08E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,252	9.12E-07	8.59E-06	1.50E-05	9.10E-07	8.07E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,253	9.12E-07	8.59E-06	1.50E-05	9.09E-07	8.06E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,254	9.11E-07	8.58E-06	1.49E-05	9.09E-07	8.06E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,255	9.11E-07	8.58E-06	1.49E-05	9.08E-07	8.06E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,256	9.11E-07	8.58E-06	1.49E-05	9.08E-07	8.04E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,257	9.10E-07	8.56E-06	1.49E-05	9.07E-07	8.03E-06	1.49E-05	1.20E-06	1.12E-05	2.00E-05
1,258	9.10E-07	8.56E-06	1.49E-05	9.06E-07	8.03E-06	1.49E-05	1.20E-06	1.11E-05	2.00E-05
1,259	9.10E-07	8.56E-06	1.49E-05	9.06E-07	8.03E-06	1.48E-05	1.20E-06	1.11E-05	1.99E-05
1,260	9.09E-07	8.55E-06	1.49E-05	9.06E-07	8.01E-06	1.48E-05	1.20E-06	1.11E-05	1.99E-05
1,261	9.08E-07	8.54E-06	1.49E-05	9.04E-07	8.01E-06	1.48E-05	1.20E-06	1.11E-05	1.99E-05
1,262	9.08E-07	8.54E-06	1.49E-05	9.04E-07	8.01E-06	1.48E-05	1.19E-06	1.11E-05	1.99E-05
1,263	9.08E-07	8.53E-06	1.49E-05	9.04E-07	8.00E-06	1.48E-05	1.19E-06	1.11E-05	1.99E-05
1,264	9.08E-07	8.51E-06	1.49E-05	9.03E-07	8.00E-06	1.48E-05	1.19E-06	1.11E-05	1.99E-05
1,265	9.07E-07	8.50E-06	1.49E-05	9.03E-07	8.00E-06	1.48E-05	1.19E-06	1.11E-05	1.99E-05
1,266	9.07E-07	8.50E-06	1.49E-05	9.02E-07	8.00E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,267	9.07E-07	8.50E-06	1.49E-05	9.01E-07	8.00E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,268	9.07E-07	8.50E-06	1.49E-05	9.01E-07	7.99E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,269	9.07E-07	8.49E-06	1.49E-05	9.00E-07	7.99E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,270	9.07E-07	8.48E-06	1.48E-05	9.00E-07	7.98E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,271	9.07E-07	8.48E-06	1.48E-05	9.00E-07	7.98E-06	1.48E-05	1.19E-06	1.11E-05	1.98E-05
1,272	9.06E-07	8.45E-06	1.48E-05	8.99E-07	7.98E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,273	9.05E-07	8.45E-06	1.48E-05	8.97E-07	7.97E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,274	9.05E-07	8.45E-06	1.48E-05	8.96E-07	7.97E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,275	9.05E-07	8.43E-06	1.48E-05	8.96E-07	7.97E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,276	9.04E-07	8.42E-06	1.48E-05	8.95E-07	7.97E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,277	9.03E-07	8.42E-06	1.48E-05	8.95E-07	7.96E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,278	9.03E-07	8.41E-06	1.48E-05	8.94E-07	7.96E-06	1.47E-05	1.19E-06	1.11E-05	1.98E-05
1,279	9.03E-07	8.40E-06	1.47E-05	8.93E-07	7.96E-06	1.47E-05	1.19E-06	1.10E-05	1.98E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,280	9.02E-07	8.39E-06	1.47E-05	8.93E-07	7.92E-06	1.47E-05	1.18E-06	1.10E-05	1.97E-05
1,281	9.01E-07	8.39E-06	1.47E-05	8.92E-07	7.91E-06	1.46E-05	1.18E-06	1.10E-05	1.97E-05
1,282	9.00E-07	8.39E-06	1.47E-05	8.91E-07	7.91E-06	1.46E-05	1.18E-06	1.10E-05	1.97E-05
1,283	9.00E-07	8.38E-06	1.47E-05	8.91E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.97E-05
1,284	9.00E-07	8.37E-06	1.47E-05	8.91E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.97E-05
1,285	9.00E-07	8.37E-06	1.47E-05	8.91E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,286	8.99E-07	8.36E-06	1.47E-05	8.90E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,287	8.99E-07	8.36E-06	1.47E-05	8.90E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,288	8.98E-07	8.35E-06	1.47E-05	8.90E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,289	8.98E-07	8.35E-06	1.47E-05	8.90E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,290	8.97E-07	8.35E-06	1.47E-05	8.89E-07	7.90E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,291	8.97E-07	8.34E-06	1.47E-05	8.89E-07	7.89E-06	1.46E-05	1.18E-06	1.10E-05	1.96E-05
1,292	8.96E-07	8.33E-06	1.47E-05	8.89E-07	7.89E-06	1.45E-05	1.18E-06	1.09E-05	1.96E-05
1,293	8.94E-07	8.32E-06	1.47E-05	8.89E-07	7.89E-06	1.45E-05	1.18E-06	1.09E-05	1.95E-05
1,294	8.94E-07	8.32E-06	1.47E-05	8.89E-07	7.89E-06	1.45E-05	1.18E-06	1.09E-05	1.95E-05
1,295	8.93E-07	8.30E-06	1.46E-05	8.88E-07	7.88E-06	1.45E-05	1.18E-06	1.09E-05	1.95E-05
1,296	8.93E-07	8.30E-06	1.46E-05	8.87E-07	7.88E-06	1.45E-05	1.18E-06	1.09E-05	1.95E-05
1,297	8.93E-07	8.30E-06	1.46E-05	8.86E-07	7.88E-06	1.45E-05	1.18E-06	1.09E-05	1.95E-05
1,298	8.93E-07	8.29E-06	1.46E-05	8.86E-07	7.87E-06	1.45E-05	1.17E-06	1.09E-05	1.95E-05
1,299	8.92E-07	8.29E-06	1.46E-05	8.86E-07	7.86E-06	1.45E-05	1.17E-06	1.09E-05	1.95E-05
1,300	8.92E-07	8.28E-06	1.46E-05	8.85E-07	7.86E-06	1.45E-05	1.17E-06	1.09E-05	1.95E-05
1,301	8.91E-07	8.28E-06	1.46E-05	8.84E-07	7.85E-06	1.45E-05	1.17E-06	1.09E-05	1.94E-05
1,302	8.91E-07	8.27E-06	1.46E-05	8.83E-07	7.85E-06	1.45E-05	1.17E-06	1.09E-05	1.94E-05
1,303	8.91E-07	8.27E-06	1.46E-05	8.83E-07	7.84E-06	1.45E-05	1.17E-06	1.08E-05	1.94E-05
1,304	8.91E-07	8.27E-06	1.46E-05	8.82E-07	7.84E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,305	8.88E-07	8.25E-06	1.46E-05	8.82E-07	7.84E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,306	8.88E-07	8.25E-06	1.46E-05	8.82E-07	7.83E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,307	8.88E-07	8.24E-06	1.46E-05	8.81E-07	7.83E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,308	8.88E-07	8.24E-06	1.46E-05	8.81E-07	7.82E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,309	8.86E-07	8.24E-06	1.45E-05	8.81E-07	7.82E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,310	8.86E-07	8.23E-06	1.45E-05	8.81E-07	7.81E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,311	8.85E-07	8.23E-06	1.45E-05	8.79E-07	7.81E-06	1.44E-05	1.17E-06	1.08E-05	1.94E-05
1,312	8.85E-07	8.22E-06	1.45E-05	8.79E-07	7.81E-06	1.44E-05	1.16E-06	1.08E-05	1.93E-05
1,313	8.83E-07	8.22E-06	1.45E-05	8.79E-07	7.81E-06	1.44E-05	1.16E-06	1.08E-05	1.93E-05
1,314	8.83E-07	8.21E-06	1.45E-05	8.79E-07	7.80E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,315	8.83E-07	8.21E-06	1.45E-05	8.79E-07	7.80E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,316	8.83E-07	8.21E-06	1.45E-05	8.78E-07	7.79E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,317	8.82E-07	8.20E-06	1.45E-05	8.77E-07	7.78E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,318	8.82E-07	8.19E-06	1.45E-05	8.76E-07	7.78E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,319	8.82E-07	8.18E-06	1.45E-05	8.76E-07	7.78E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,320	8.82E-07	8.18E-06	1.45E-05	8.74E-07	7.78E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,321	8.81E-07	8.17E-06	1.45E-05	8.74E-07	7.77E-06	1.43E-05	1.16E-06	1.08E-05	1.93E-05
1,322	8.80E-07	8.16E-06	1.45E-05	8.73E-07	7.77E-06	1.43E-05	1.16E-06	1.07E-05	1.93E-05
1,323	8.80E-07	8.16E-06	1.44E-05	8.73E-07	7.77E-06	1.43E-05	1.16E-06	1.07E-05	1.93E-05
1,324	8.80E-07	8.15E-06	1.44E-05	8.73E-07	7.76E-06	1.43E-05	1.16E-06	1.07E-05	1.92E-05
1,325	8.80E-07	8.14E-06	1.44E-05	8.73E-07	7.76E-06	1.43E-05	1.16E-06	1.07E-05	1.92E-05
1,326	8.78E-07	8.14E-06	1.44E-05	8.72E-07	7.76E-06	1.42E-05	1.15E-06	1.07E-05	1.92E-05
1,327	8.78E-07	8.14E-06	1.44E-05	8.72E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.92E-05
1,328	8.77E-07	8.13E-06	1.44E-05	8.71E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.92E-05
1,329	8.77E-07	8.13E-06	1.44E-05	8.71E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.92E-05
1,330	8.77E-07	8.12E-06	1.44E-05	8.71E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.92E-05
1,331	8.77E-07	8.11E-06	1.44E-05	8.71E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.91E-05
1,332	8.76E-07	8.11E-06	1.44E-05	8.71E-07	7.75E-06	1.42E-05	1.15E-06	1.07E-05	1.91E-05
1,333	8.74E-07	8.11E-06	1.43E-05	8.70E-07	7.74E-06	1.42E-05	1.15E-06	1.07E-05	1.91E-05
1,334	8.74E-07	8.10E-06	1.43E-05	8.70E-07	7.74E-06	1.42E-05	1.15E-06	1.07E-05	1.91E-05
1,335	8.73E-07	8.10E-06	1.43E-05	8.69E-07	7.72E-06	1.42E-05	1.15E-06	1.07E-05	1.91E-05
1,336	8.73E-07	8.10E-06	1.43E-05	8.69E-07	7.72E-06	1.41E-05	1.15E-06	1.07E-05	1.91E-05
1,337	8.72E-07	8.10E-06	1.43E-05	8.68E-07	7.71E-06	1.41E-05	1.15E-06	1.07E-05	1.90E-05
1,338	8.72E-07	8.09E-06	1.42E-05	8.68E-07	7.70E-06	1.41E-05	1.15E-06	1.06E-05	1.90E-05
1,339	8.71E-07	8.09E-06	1.42E-05	8.67E-07	7.70E-06	1.41E-05	1.15E-06	1.06E-05	1.90E-05
1,340	8.71E-07	8.09E-06	1.42E-05	8.66E-07	7.68E-06	1.41E-05	1.14E-06	1.06E-05	1.90E-05
1,341	8.69E-07	8.09E-06	1.42E-05	8.65E-07	7.68E-06	1.41E-05	1.14E-06	1.06E-05	1.90E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,342	8.69E-07	8.08E-06	1.42E-05	8.65E-07	7.68E-06	1.41E-05	1.14E-06	1.06E-05	1.90E-05
1,343	8.69E-07	8.08E-06	1.42E-05	8.64E-07	7.68E-06	1.41E-05	1.14E-06	1.06E-05	1.90E-05
1,344	8.67E-07	8.08E-06	1.42E-05	8.63E-07	7.67E-06	1.41E-05	1.14E-06	1.06E-05	1.90E-05
1,345	8.67E-07	8.08E-06	1.42E-05	8.63E-07	7.67E-06	1.41E-05	1.14E-06	1.06E-05	1.89E-05
1,346	8.66E-07	8.07E-06	1.42E-05	8.63E-07	7.66E-06	1.41E-05	1.14E-06	1.06E-05	1.89E-05
1,347	8.66E-07	8.06E-06	1.42E-05	8.63E-07	7.66E-06	1.41E-05	1.14E-06	1.06E-05	1.89E-05
1,348	8.66E-07	8.06E-06	1.42E-05	8.63E-07	7.66E-06	1.41E-05	1.14E-06	1.06E-05	1.89E-05
1,349	8.66E-07	8.05E-06	1.42E-05	8.62E-07	7.65E-06	1.40E-05	1.14E-06	1.06E-05	1.89E-05
1,350	8.65E-07	8.05E-06	1.42E-05	8.61E-07	7.65E-06	1.40E-05	1.14E-06	1.06E-05	1.89E-05
1,351	8.65E-07	8.05E-06	1.42E-05	8.61E-07	7.65E-06	1.40E-05	1.14E-06	1.06E-05	1.89E-05
1,352	8.65E-07	8.04E-06	1.42E-05	8.60E-07	7.65E-06	1.40E-05	1.14E-06	1.06E-05	1.89E-05
1,353	8.64E-07	8.04E-06	1.41E-05	8.60E-07	7.64E-06	1.40E-05	1.14E-06	1.06E-05	1.88E-05
1,354	8.64E-07	8.04E-06	1.41E-05	8.59E-07	7.64E-06	1.40E-05	1.14E-06	1.06E-05	1.88E-05
1,355	8.62E-07	8.04E-06	1.41E-05	8.58E-07	7.62E-06	1.40E-05	1.13E-06	1.06E-05	1.88E-05
1,356	8.62E-07	8.03E-06	1.41E-05	8.57E-07	7.62E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,357	8.62E-07	8.02E-06	1.41E-05	8.57E-07	7.62E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,358	8.62E-07	8.02E-06	1.41E-05	8.56E-07	7.62E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,359	8.62E-07	8.01E-06	1.40E-05	8.56E-07	7.62E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,360	8.61E-07	8.01E-06	1.40E-05	8.56E-07	7.61E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,361	8.61E-07	7.99E-06	1.40E-05	8.56E-07	7.61E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,362	8.61E-07	7.99E-06	1.40E-05	8.55E-07	7.61E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,363	8.61E-07	7.98E-06	1.40E-05	8.55E-07	7.60E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,364	8.60E-07	7.98E-06	1.40E-05	8.55E-07	7.60E-06	1.40E-05	1.13E-06	1.05E-05	1.88E-05
1,365	8.60E-07	7.98E-06	1.40E-05	8.54E-07	7.60E-06	1.39E-05	1.13E-06	1.05E-05	1.88E-05
1,366	8.60E-07	7.98E-06	1.40E-05	8.53E-07	7.60E-06	1.39E-05	1.13E-06	1.05E-05	1.88E-05
1,367	8.60E-07	7.98E-06	1.40E-05	8.53E-07	7.59E-06	1.39E-05	1.13E-06	1.05E-05	1.87E-05
1,368	8.60E-07	7.96E-06	1.40E-05	8.52E-07	7.58E-06	1.39E-05	1.13E-06	1.05E-05	1.87E-05
1,369	8.60E-07	7.96E-06	1.40E-05	8.51E-07	7.58E-06	1.39E-05	1.13E-06	1.05E-05	1.87E-05
1,370	8.58E-07	7.95E-06	1.40E-05	8.51E-07	7.57E-06	1.39E-05	1.13E-06	1.05E-05	1.87E-05
1,371	8.58E-07	7.95E-06	1.39E-05	8.51E-07	7.57E-06	1.39E-05	1.13E-06	1.05E-05	1.87E-05
1,372	8.57E-07	7.94E-06	1.39E-05	8.50E-07	7.56E-06	1.39E-05	1.12E-06	1.05E-05	1.87E-05
1,373	8.57E-07	7.92E-06	1.39E-05	8.50E-07	7.56E-06	1.39E-05	1.12E-06	1.04E-05	1.87E-05
1,374	8.55E-07	7.92E-06	1.39E-05	8.50E-07	7.56E-06	1.39E-05	1.12E-06	1.04E-05	1.87E-05
1,375	8.55E-07	7.92E-06	1.39E-05	8.50E-07	7.55E-06	1.39E-05	1.12E-06	1.04E-05	1.87E-05
1,376	8.54E-07	7.92E-06	1.39E-05	8.49E-07	7.55E-06	1.39E-05	1.12E-06	1.04E-05	1.87E-05
1,377	8.54E-07	7.92E-06	1.39E-05	8.49E-07	7.54E-06	1.39E-05	1.12E-06	1.04E-05	1.87E-05
1,378	8.54E-07	7.92E-06	1.39E-05	8.48E-07	7.54E-06	1.39E-05	1.12E-06	1.04E-05	1.86E-05
1,379	8.53E-07	7.91E-06	1.39E-05	8.48E-07	7.54E-06	1.39E-05	1.12E-06	1.04E-05	1.86E-05
1,380	8.53E-07	7.91E-06	1.39E-05	8.48E-07	7.54E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,381	8.53E-07	7.90E-06	1.39E-05	8.47E-07	7.54E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,382	8.52E-07	7.90E-06	1.39E-05	8.47E-07	7.54E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,383	8.51E-07	7.90E-06	1.38E-05	8.46E-07	7.53E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,384	8.51E-07	7.89E-06	1.38E-05	8.46E-07	7.53E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,385	8.51E-07	7.89E-06	1.38E-05	8.45E-07	7.53E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,386	8.49E-07	7.89E-06	1.38E-05	8.45E-07	7.52E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,387	8.49E-07	7.88E-06	1.38E-05	8.42E-07	7.52E-06	1.38E-05	1.12E-06	1.04E-05	1.86E-05
1,388	8.49E-07	7.88E-06	1.38E-05	8.41E-07	7.52E-06	1.38E-05	1.12E-06	1.03E-05	1.86E-05
1,389	8.49E-07	7.88E-06	1.38E-05	8.41E-07	7.52E-06	1.38E-05	1.12E-06	1.03E-05	1.85E-05
1,390	8.49E-07	7.87E-06	1.38E-05	8.41E-07	7.51E-06	1.38E-05	1.12E-06	1.03E-05	1.85E-05
1,391	8.48E-07	7.87E-06	1.38E-05	8.40E-07	7.51E-06	1.38E-05	1.12E-06	1.03E-05	1.85E-05
1,392	8.48E-07	7.87E-06	1.38E-05	8.40E-07	7.51E-06	1.38E-05	1.12E-06	1.03E-05	1.85E-05
1,393	8.48E-07	7.85E-06	1.38E-05	8.39E-07	7.50E-06	1.38E-05	1.11E-06	1.03E-05	1.85E-05
1,394	8.47E-07	7.85E-06	1.38E-05	8.39E-07	7.50E-06	1.38E-05	1.11E-06	1.03E-05	1.85E-05
1,395	8.46E-07	7.84E-06	1.38E-05	8.39E-07	7.49E-06	1.38E-05	1.11E-06	1.03E-05	1.85E-05
1,396	8.46E-07	7.84E-06	1.38E-05	8.37E-07	7.49E-06	1.37E-05	1.11E-06	1.03E-05	1.85E-05
1,397	8.45E-07	7.84E-06	1.37E-05	8.37E-07	7.49E-06	1.37E-05	1.11E-06	1.03E-05	1.84E-05
1,398	8.44E-07	7.84E-06	1.37E-05	8.36E-07	7.48E-06	1.37E-05	1.11E-06	1.03E-05	1.84E-05
1,399	8.44E-07	7.83E-06	1.37E-05	8.35E-07	7.48E-06	1.37E-05	1.11E-06	1.03E-05	1.84E-05
1,400	8.44E-07	7.83E-06	1.37E-05	8.35E-07	7.48E-06	1.37E-05	1.11E-06	1.03E-05	1.84E-05
1,401	8.43E-07	7.82E-06	1.37E-05	8.35E-07	7.47E-06	1.37E-05	1.11E-06	1.03E-05	1.84E-05
1,402	8.43E-07	7.81E-06	1.37E-05	8.35E-07	7.46E-06	1.37E-05	1.11E-06	1.03E-05	1.83E-05
1,403	8.42E-07	7.81E-06	1.37E-05	8.35E-07	7.46E-06	1.37E-05	1.11E-06	1.03E-05	1.83E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,404	8.42E-07	7.81E-06	1.37E-05	8.34E-07	7.46E-06	1.36E-05	1.11E-06	1.02E-05	1.83E-05
1,405	8.41E-07	7.80E-06	1.37E-05	8.34E-07	7.46E-06	1.36E-05	1.11E-06	1.02E-05	1.83E-05
1,406	8.41E-07	7.80E-06	1.37E-05	8.34E-07	7.46E-06	1.36E-05	1.11E-06	1.02E-05	1.83E-05
1,407	8.41E-07	7.80E-06	1.37E-05	8.33E-07	7.46E-06	1.36E-05	1.11E-06	1.02E-05	1.83E-05
1,408	8.39E-07	7.80E-06	1.37E-05	8.33E-07	7.45E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,409	8.39E-07	7.78E-06	1.36E-05	8.31E-07	7.44E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,410	8.38E-07	7.78E-06	1.36E-05	8.30E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,411	8.37E-07	7.78E-06	1.36E-05	8.30E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,412	8.37E-07	7.77E-06	1.36E-05	8.30E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,413	8.37E-07	7.77E-06	1.36E-05	8.28E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.83E-05
1,414	8.35E-07	7.76E-06	1.36E-05	8.28E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.82E-05
1,415	8.35E-07	7.76E-06	1.36E-05	8.28E-07	7.43E-06	1.36E-05	1.10E-06	1.02E-05	1.82E-05
1,416	8.35E-07	7.75E-06	1.36E-05	8.28E-07	7.41E-06	1.35E-05	1.10E-06	1.02E-05	1.82E-05
1,417	8.35E-07	7.74E-06	1.36E-05	8.27E-07	7.41E-06	1.35E-05	1.10E-06	1.02E-05	1.82E-05
1,418	8.35E-07	7.74E-06	1.36E-05	8.27E-07	7.41E-06	1.35E-05	1.10E-06	1.02E-05	1.82E-05
1,419	8.34E-07	7.74E-06	1.36E-05	8.27E-07	7.41E-06	1.35E-05	1.10E-06	1.02E-05	1.82E-05
1,420	8.33E-07	7.74E-06	1.36E-05	8.26E-07	7.40E-06	1.35E-05	1.10E-06	1.02E-05	1.82E-05
1,421	8.32E-07	7.73E-06	1.36E-05	8.26E-07	7.40E-06	1.35E-05	1.10E-06	1.02E-05	1.81E-05
1,422	8.32E-07	7.73E-06	1.36E-05	8.25E-07	7.39E-06	1.35E-05	1.10E-06	1.02E-05	1.81E-05
1,423	8.32E-07	7.73E-06	1.36E-05	8.24E-07	7.39E-06	1.35E-05	1.10E-06	1.02E-05	1.81E-05
1,424	8.32E-07	7.73E-06	1.36E-05	8.23E-07	7.39E-06	1.35E-05	1.10E-06	1.02E-05	1.81E-05
1,425	8.32E-07	7.72E-06	1.36E-05	8.23E-07	7.37E-06	1.35E-05	1.10E-06	1.02E-05	1.81E-05
1,426	8.31E-07	7.72E-06	1.36E-05	8.22E-07	7.37E-06	1.35E-05	1.10E-06	1.01E-05	1.81E-05
1,427	8.30E-07	7.72E-06	1.36E-05	8.22E-07	7.37E-06	1.35E-05	1.09E-06	1.01E-05	1.81E-05
1,428	8.30E-07	7.72E-06	1.35E-05	8.22E-07	7.37E-06	1.35E-05	1.09E-06	1.01E-05	1.81E-05
1,429	8.29E-07	7.72E-06	1.35E-05	8.22E-07	7.36E-06	1.35E-05	1.09E-06	1.01E-05	1.80E-05
1,430	8.29E-07	7.72E-06	1.35E-05	8.21E-07	7.36E-06	1.35E-05	1.09E-06	1.01E-05	1.80E-05
1,431	8.28E-07	7.71E-06	1.35E-05	8.21E-07	7.36E-06	1.35E-05	1.09E-06	1.01E-05	1.80E-05
1,432	8.28E-07	7.71E-06	1.35E-05	8.20E-07	7.35E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,433	8.27E-07	7.71E-06	1.35E-05	8.20E-07	7.35E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,434	8.27E-07	7.71E-06	1.35E-05	8.19E-07	7.35E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,435	8.26E-07	7.70E-06	1.35E-05	8.19E-07	7.35E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,436	8.25E-07	7.69E-06	1.35E-05	8.16E-07	7.35E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,437	8.24E-07	7.69E-06	1.35E-05	8.16E-07	7.34E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,438	8.23E-07	7.69E-06	1.35E-05	8.16E-07	7.34E-06	1.34E-05	1.09E-06	1.01E-05	1.80E-05
1,439	8.23E-07	7.68E-06	1.35E-05	8.16E-07	7.33E-06	1.34E-05	1.08E-06	1.01E-05	1.80E-05
1,440	8.23E-07	7.68E-06	1.35E-05	8.15E-07	7.33E-06	1.33E-05	1.08E-06	1.01E-05	1.80E-05
1,441	8.23E-07	7.67E-06	1.35E-05	8.15E-07	7.32E-06	1.33E-05	1.08E-06	1.01E-05	1.80E-05
1,442	8.22E-07	7.67E-06	1.35E-05	8.15E-07	7.32E-06	1.33E-05	1.08E-06	1.01E-05	1.80E-05
1,443	8.22E-07	7.67E-06	1.34E-05	8.15E-07	7.31E-06	1.33E-05	1.08E-06	1.01E-05	1.80E-05
1,444	8.21E-07	7.66E-06	1.34E-05	8.14E-07	7.31E-06	1.33E-05	1.08E-06	1.01E-05	1.80E-05
1,445	8.21E-07	7.65E-06	1.34E-05	8.13E-07	7.30E-06	1.33E-05	1.08E-06	1.01E-05	1.79E-05
1,446	8.21E-07	7.65E-06	1.34E-05	8.13E-07	7.29E-06	1.33E-05	1.08E-06	1.00E-05	1.79E-05
1,447	8.20E-07	7.64E-06	1.34E-05	8.13E-07	7.28E-06	1.33E-05	1.08E-06	1.00E-05	1.79E-05
1,448	8.20E-07	7.64E-06	1.34E-05	8.13E-07	7.28E-06	1.33E-05	1.08E-06	1.00E-05	1.79E-05
1,449	8.20E-07	7.64E-06	1.34E-05	8.13E-07	7.28E-06	1.33E-05	1.08E-06	1.00E-05	1.79E-05
1,450	8.20E-07	7.63E-06	1.34E-05	8.12E-07	7.27E-06	1.33E-05	1.08E-06	1.00E-05	1.78E-05
1,451	8.19E-07	7.62E-06	1.34E-05	8.12E-07	7.27E-06	1.33E-05	1.08E-06	1.00E-05	1.78E-05
1,452	8.19E-07	7.61E-06	1.34E-05	8.12E-07	7.27E-06	1.33E-05	1.08E-06	1.00E-05	1.78E-05
1,453	8.18E-07	7.61E-06	1.34E-05	8.12E-07	7.25E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,454	8.18E-07	7.60E-06	1.34E-05	8.11E-07	7.25E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,455	8.17E-07	7.60E-06	1.34E-05	8.11E-07	7.24E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,456	8.16E-07	7.60E-06	1.34E-05	8.10E-07	7.23E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,457	8.16E-07	7.59E-06	1.34E-05	8.10E-07	7.23E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,458	8.14E-07	7.59E-06	1.34E-05	8.10E-07	7.23E-06	1.32E-05	1.08E-06	1.00E-05	1.78E-05
1,459	8.14E-07	7.59E-06	1.34E-05	8.10E-07	7.22E-06	1.32E-05	1.08E-06	9.99E-06	1.77E-05
1,460	8.13E-07	7.58E-06	1.34E-05	8.10E-07	7.22E-06	1.32E-05	1.08E-06	9.99E-06	1.77E-05
1,461	8.13E-07	7.58E-06	1.33E-05	8.10E-07	7.22E-06	1.32E-05	1.07E-06	9.98E-06	1.77E-05
1,462	8.13E-07	7.58E-06	1.33E-05	8.10E-07	7.22E-06	1.32E-05	1.07E-06	9.97E-06	1.77E-05
1,463	8.12E-07	7.57E-06	1.33E-05	8.10E-07	7.22E-06	1.32E-05	1.07E-06	9.97E-06	1.77E-05
1,464	8.12E-07	7.57E-06	1.33E-05	8.09E-07	7.22E-06	1.32E-05	1.07E-06	9.97E-06	1.77E-05
1,465	8.12E-07	7.57E-06	1.33E-05	8.09E-07	7.21E-06	1.32E-05	1.07E-06	9.96E-06	1.77E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,466	8.11E-07	7.57E-06	1.33E-05	8.08E-07	7.20E-06	1.32E-05	1.07E-06	9.96E-06	1.77E-05
1,467	8.11E-07	7.56E-06	1.33E-05	8.08E-07	7.20E-06	1.32E-05	1.07E-06	9.96E-06	1.77E-05
1,468	8.11E-07	7.56E-06	1.33E-05	8.08E-07	7.20E-06	1.32E-05	1.07E-06	9.94E-06	1.76E-05
1,469	8.10E-07	7.55E-06	1.33E-05	8.08E-07	7.20E-06	1.32E-05	1.07E-06	9.94E-06	1.76E-05
1,470	8.10E-07	7.55E-06	1.33E-05	8.07E-07	7.20E-06	1.31E-05	1.07E-06	9.94E-06	1.76E-05
1,471	8.10E-07	7.55E-06	1.33E-05	8.07E-07	7.18E-06	1.31E-05	1.07E-06	9.92E-06	1.76E-05
1,472	8.10E-07	7.55E-06	1.33E-05	8.06E-07	7.18E-06	1.31E-05	1.07E-06	9.89E-06	1.76E-05
1,473	8.08E-07	7.54E-06	1.33E-05	8.06E-07	7.17E-06	1.31E-05	1.07E-06	9.88E-06	1.76E-05
1,474	8.08E-07	7.54E-06	1.33E-05	8.05E-07	7.16E-06	1.31E-05	1.07E-06	9.88E-06	1.76E-05
1,475	8.08E-07	7.54E-06	1.32E-05	8.04E-07	7.16E-06	1.31E-05	1.07E-06	9.85E-06	1.76E-05
1,476	8.08E-07	7.54E-06	1.32E-05	8.04E-07	7.14E-06	1.31E-05	1.07E-06	9.83E-06	1.76E-05
1,477	8.07E-07	7.53E-06	1.32E-05	8.04E-07	7.14E-06	1.31E-05	1.07E-06	9.83E-06	1.76E-05
1,478	8.07E-07	7.53E-06	1.32E-05	8.03E-07	7.14E-06	1.31E-05	1.07E-06	9.82E-06	1.76E-05
1,479	8.07E-07	7.53E-06	1.32E-05	8.03E-07	7.14E-06	1.31E-05	1.07E-06	9.81E-06	1.76E-05
1,480	8.07E-07	7.52E-06	1.32E-05	8.03E-07	7.13E-06	1.31E-05	1.07E-06	9.81E-06	1.76E-05
1,481	8.06E-07	7.52E-06	1.32E-05	8.01E-07	7.13E-06	1.30E-05	1.06E-06	9.80E-06	1.76E-05
1,482	8.06E-07	7.52E-06	1.32E-05	8.00E-07	7.13E-06	1.30E-05	1.06E-06	9.80E-06	1.76E-05
1,483	8.06E-07	7.51E-06	1.32E-05	8.00E-07	7.12E-06	1.30E-05	1.06E-06	9.79E-06	1.76E-05
1,484	8.05E-07	7.51E-06	1.32E-05	7.99E-07	7.12E-06	1.30E-05	1.06E-06	9.78E-06	1.76E-05
1,485	8.05E-07	7.50E-06	1.32E-05	7.98E-07	7.11E-06	1.30E-05	1.06E-06	9.77E-06	1.75E-05
1,486	8.02E-07	7.50E-06	1.32E-05	7.97E-07	7.11E-06	1.30E-05	1.06E-06	9.76E-06	1.75E-05
1,487	8.02E-07	7.50E-06	1.32E-05	7.97E-07	7.10E-06	1.30E-05	1.06E-06	9.76E-06	1.75E-05
1,488	8.02E-07	7.49E-06	1.32E-05	7.96E-07	7.10E-06	1.30E-05	1.06E-06	9.76E-06	1.75E-05
1,489	8.02E-07	7.49E-06	1.32E-05	7.96E-07	7.10E-06	1.30E-05	1.06E-06	9.76E-06	1.75E-05
1,490	8.01E-07	7.48E-06	1.32E-05	7.96E-07	7.09E-06	1.30E-05	1.06E-06	9.76E-06	1.75E-05
1,491	8.01E-07	7.47E-06	1.32E-05	7.95E-07	7.09E-06	1.30E-05	1.06E-06	9.75E-06	1.75E-05
1,492	8.01E-07	7.47E-06	1.32E-05	7.95E-07	7.09E-06	1.30E-05	1.06E-06	9.75E-06	1.75E-05
1,493	8.00E-07	7.45E-06	1.32E-05	7.95E-07	7.08E-06	1.30E-05	1.06E-06	9.75E-06	1.75E-05
1,494	8.00E-07	7.45E-06	1.31E-05	7.94E-07	7.08E-06	1.30E-05	1.06E-06	9.74E-06	1.74E-05
1,495	8.00E-07	7.44E-06	1.31E-05	7.93E-07	7.07E-06	1.30E-05	1.06E-06	9.73E-06	1.74E-05
1,496	7.99E-07	7.44E-06	1.31E-05	7.93E-07	7.07E-06	1.29E-05	1.06E-06	9.72E-06	1.74E-05
1,497	7.99E-07	7.44E-06	1.31E-05	7.92E-07	7.04E-06	1.29E-05	1.06E-06	9.72E-06	1.74E-05
1,498	7.98E-07	7.43E-06	1.31E-05	7.92E-07	7.04E-06	1.29E-05	1.06E-06	9.72E-06	1.74E-05
1,499	7.98E-07	7.43E-06	1.31E-05	7.92E-07	7.03E-06	1.29E-05	1.06E-06	9.72E-06	1.74E-05
1,500	7.98E-07	7.43E-06	1.31E-05	7.91E-07	7.02E-06	1.29E-05	1.06E-06	9.71E-06	1.74E-05
1,501	7.97E-07	7.42E-06	1.31E-05	7.90E-07	7.02E-06	1.29E-05	1.05E-06	9.71E-06	1.74E-05
1,502	7.97E-07	7.42E-06	1.31E-05	7.90E-07	7.02E-06	1.29E-05	1.05E-06	9.70E-06	1.74E-05
1,503	7.97E-07	7.42E-06	1.31E-05	7.90E-07	7.01E-06	1.29E-05	1.05E-06	9.70E-06	1.74E-05
1,504	7.96E-07	7.41E-06	1.31E-05	7.90E-07	7.00E-06	1.29E-05	1.05E-06	9.70E-06	1.74E-05
1,505	7.96E-07	7.41E-06	1.31E-05	7.89E-07	7.00E-06	1.29E-05	1.05E-06	9.70E-06	1.73E-05
1,506	7.96E-07	7.41E-06	1.31E-05	7.89E-07	6.99E-06	1.29E-05	1.05E-06	9.67E-06	1.73E-05
1,507	7.95E-07	7.41E-06	1.31E-05	7.88E-07	6.99E-06	1.29E-05	1.05E-06	9.67E-06	1.73E-05
1,508	7.95E-07	7.41E-06	1.31E-05	7.87E-07	6.99E-06	1.29E-05	1.05E-06	9.66E-06	1.73E-05
1,509	7.95E-07	7.40E-06	1.31E-05	7.87E-07	6.98E-06	1.29E-05	1.05E-06	9.66E-06	1.73E-05
1,510	7.94E-07	7.40E-06	1.31E-05	7.86E-07	6.98E-06	1.29E-05	1.05E-06	9.66E-06	1.73E-05
1,511	7.94E-07	7.39E-06	1.31E-05	7.86E-07	6.98E-06	1.29E-05	1.05E-06	9.66E-06	1.72E-05
1,512	7.94E-07	7.39E-06	1.31E-05	7.86E-07	6.98E-06	1.29E-05	1.05E-06	9.65E-06	1.72E-05
1,513	7.94E-07	7.39E-06	1.31E-05	7.85E-07	6.97E-06	1.29E-05	1.05E-06	9.65E-06	1.72E-05
1,514	7.94E-07	7.38E-06	1.30E-05	7.85E-07	6.97E-06	1.29E-05	1.04E-06	9.64E-06	1.72E-05
1,515	7.94E-07	7.38E-06	1.30E-05	7.84E-07	6.96E-06	1.29E-05	1.04E-06	9.64E-06	1.72E-05
1,516	7.93E-07	7.38E-06	1.30E-05	7.84E-07	6.95E-06	1.29E-05	1.04E-06	9.64E-06	1.72E-05
1,517	7.93E-07	7.37E-06	1.30E-05	7.84E-07	6.94E-06	1.28E-05	1.04E-06	9.63E-06	1.72E-05
1,518	7.93E-07	7.37E-06	1.30E-05	7.83E-07	6.94E-06	1.28E-05	1.04E-06	9.62E-06	1.72E-05
1,519	7.93E-07	7.37E-06	1.30E-05	7.82E-07	6.94E-06	1.28E-05	1.04E-06	9.62E-06	1.72E-05
1,520	7.93E-07	7.37E-06	1.30E-05	7.82E-07	6.93E-06	1.28E-05	1.04E-06	9.61E-06	1.72E-05
1,521	7.92E-07	7.36E-06	1.30E-05	7.81E-07	6.93E-06	1.28E-05	1.04E-06	9.61E-06	1.72E-05
1,522	7.91E-07	7.36E-06	1.30E-05	7.81E-07	6.93E-06	1.28E-05	1.04E-06	9.60E-06	1.72E-05
1,523	7.91E-07	7.35E-06	1.30E-05	7.80E-07	6.92E-06	1.28E-05	1.04E-06	9.60E-06	1.72E-05
1,524	7.91E-07	7.34E-06	1.30E-05	7.80E-07	6.91E-06	1.28E-05	1.04E-06	9.59E-06	1.72E-05
1,525	7.90E-07	7.33E-06	1.30E-05	7.80E-07	6.90E-06	1.28E-05	1.04E-06	9.59E-06	1.72E-05
1,526	7.90E-07	7.32E-06	1.30E-05	7.79E-07	6.90E-06	1.28E-05	1.04E-06	9.58E-06	1.72E-05
1,527	7.90E-07	7.31E-06	1.30E-05	7.79E-07	6.90E-06	1.28E-05	1.04E-06	9.57E-06	1.71E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,528	7.89E-07	7.31E-06	1.30E-05	7.79E-07	6.89E-06	1.28E-05	1.04E-06	9.57E-06	1.71E-05
1,529	7.89E-07	7.30E-06	1.30E-05	7.78E-07	6.89E-06	1.28E-05	1.04E-06	9.57E-06	1.71E-05
1,530	7.89E-07	7.30E-06	1.30E-05	7.78E-07	6.88E-06	1.28E-05	1.04E-06	9.56E-06	1.71E-05
1,531	7.89E-07	7.29E-06	1.30E-05	7.76E-07	6.88E-06	1.27E-05	1.04E-06	9.56E-06	1.71E-05
1,532	7.89E-07	7.29E-06	1.30E-05	7.76E-07	6.87E-06	1.27E-05	1.03E-06	9.56E-06	1.71E-05
1,533	7.88E-07	7.29E-06	1.29E-05	7.76E-07	6.86E-06	1.27E-05	1.03E-06	9.56E-06	1.71E-05
1,534	7.88E-07	7.29E-06	1.29E-05	7.75E-07	6.86E-06	1.27E-05	1.03E-06	9.56E-06	1.71E-05
1,535	7.88E-07	7.29E-06	1.29E-05	7.75E-07	6.86E-06	1.27E-05	1.03E-06	9.55E-06	1.71E-05
1,536	7.87E-07	7.29E-06	1.29E-05	7.74E-07	6.86E-06	1.27E-05	1.03E-06	9.55E-06	1.71E-05
1,537	7.87E-07	7.28E-06	1.29E-05	7.74E-07	6.86E-06	1.27E-05	1.03E-06	9.55E-06	1.70E-05
1,538	7.86E-07	7.28E-06	1.29E-05	7.74E-07	6.86E-06	1.27E-05	1.03E-06	9.55E-06	1.70E-05
1,539	7.85E-07	7.27E-06	1.29E-05	7.74E-07	6.86E-06	1.27E-05	1.03E-06	9.54E-06	1.70E-05
1,540	7.85E-07	7.27E-06	1.29E-05	7.73E-07	6.85E-06	1.27E-05	1.03E-06	9.53E-06	1.70E-05
1,541	7.85E-07	7.27E-06	1.29E-05	7.73E-07	6.85E-06	1.27E-05	1.03E-06	9.52E-06	1.70E-05
1,542	7.85E-07	7.26E-06	1.29E-05	7.73E-07	6.85E-06	1.27E-05	1.03E-06	9.52E-06	1.70E-05
1,543	7.85E-07	7.26E-06	1.29E-05	7.72E-07	6.85E-06	1.27E-05	1.03E-06	9.51E-06	1.70E-05
1,544	7.83E-07	7.26E-06	1.29E-05	7.72E-07	6.84E-06	1.27E-05	1.03E-06	9.50E-06	1.70E-05
1,545	7.83E-07	7.25E-06	1.29E-05	7.71E-07	6.84E-06	1.26E-05	1.03E-06	9.50E-06	1.70E-05
1,546	7.82E-07	7.25E-06	1.29E-05	7.70E-07	6.83E-06	1.26E-05	1.03E-06	9.50E-06	1.70E-05
1,547	7.82E-07	7.24E-06	1.29E-05	7.70E-07	6.83E-06	1.26E-05	1.03E-06	9.49E-06	1.70E-05
1,548	7.82E-07	7.24E-06	1.29E-05	7.70E-07	6.83E-06	1.26E-05	1.03E-06	9.48E-06	1.69E-05
1,549	7.81E-07	7.23E-06	1.28E-05	7.70E-07	6.83E-06	1.26E-05	1.03E-06	9.48E-06	1.69E-05
1,550	7.81E-07	7.23E-06	1.28E-05	7.70E-07	6.82E-06	1.26E-05	1.03E-06	9.47E-06	1.69E-05
1,551	7.80E-07	7.23E-06	1.28E-05	7.69E-07	6.82E-06	1.26E-05	1.03E-06	9.46E-06	1.69E-05
1,552	7.79E-07	7.22E-06	1.28E-05	7.69E-07	6.82E-06	1.26E-05	1.03E-06	9.45E-06	1.69E-05
1,553	7.79E-07	7.20E-06	1.28E-05	7.68E-07	6.82E-06	1.26E-05	1.02E-06	9.45E-06	1.69E-05
1,554	7.78E-07	7.19E-06	1.28E-05	7.68E-07	6.81E-06	1.26E-05	1.02E-06	9.45E-06	1.69E-05
1,555	7.78E-07	7.18E-06	1.28E-05	7.67E-07	6.81E-06	1.26E-05	1.02E-06	9.45E-06	1.69E-05
1,556	7.78E-07	7.18E-06	1.28E-05	7.66E-07	6.80E-06	1.26E-05	1.02E-06	9.44E-06	1.69E-05
1,557	7.78E-07	7.18E-06	1.28E-05	7.66E-07	6.80E-06	1.26E-05	1.02E-06	9.43E-06	1.69E-05
1,558	7.78E-07	7.16E-06	1.28E-05	7.66E-07	6.80E-06	1.26E-05	1.02E-06	9.43E-06	1.69E-05
1,559	7.77E-07	7.16E-06	1.28E-05	7.66E-07	6.79E-06	1.26E-05	1.02E-06	9.43E-06	1.69E-05
1,560	7.76E-07	7.16E-06	1.28E-05	7.66E-07	6.79E-06	1.26E-05	1.02E-06	9.42E-06	1.68E-05
1,561	7.76E-07	7.15E-06	1.28E-05	7.66E-07	6.79E-06	1.26E-05	1.02E-06	9.42E-06	1.68E-05
1,562	7.75E-07	7.15E-06	1.28E-05	7.66E-07	6.79E-06	1.25E-05	1.02E-06	9.42E-06	1.68E-05
1,563	7.74E-07	7.14E-06	1.28E-05	7.65E-07	6.79E-06	1.25E-05	1.02E-06	9.41E-06	1.68E-05
1,564	7.73E-07	7.14E-06	1.28E-05	7.65E-07	6.79E-06	1.25E-05	1.02E-06	9.41E-06	1.68E-05
1,565	7.72E-07	7.14E-06	1.27E-05	7.65E-07	6.77E-06	1.25E-05	1.02E-06	9.40E-06	1.68E-05
1,566	7.72E-07	7.13E-06	1.27E-05	7.64E-07	6.77E-06	1.25E-05	1.02E-06	9.40E-06	1.68E-05
1,567	7.72E-07	7.13E-06	1.27E-05	7.64E-07	6.77E-06	1.25E-05	1.02E-06	9.40E-06	1.68E-05
1,568	7.70E-07	7.13E-06	1.27E-05	7.63E-07	6.77E-06	1.25E-05	1.02E-06	9.40E-06	1.68E-05
1,569	7.69E-07	7.12E-06	1.27E-05	7.63E-07	6.77E-06	1.25E-05	1.02E-06	9.39E-06	1.68E-05
1,570	7.69E-07	7.10E-06	1.27E-05	7.63E-07	6.77E-06	1.25E-05	1.02E-06	9.39E-06	1.68E-05
1,571	7.69E-07	7.10E-06	1.27E-05	7.63E-07	6.77E-06	1.25E-05	1.02E-06	9.38E-06	1.68E-05
1,572	7.69E-07	7.10E-06	1.27E-05	7.62E-07	6.77E-06	1.25E-05	1.02E-06	9.38E-06	1.68E-05
1,573	7.68E-07	7.10E-06	1.27E-05	7.62E-07	6.76E-06	1.25E-05	1.02E-06	9.38E-06	1.68E-05
1,574	7.68E-07	7.09E-06	1.27E-05	7.62E-07	6.76E-06	1.25E-05	1.01E-06	9.37E-06	1.68E-05
1,575	7.67E-07	7.08E-06	1.27E-05	7.61E-07	6.76E-06	1.25E-05	1.01E-06	9.37E-06	1.68E-05
1,576	7.67E-07	7.08E-06	1.27E-05	7.60E-07	6.76E-06	1.25E-05	1.01E-06	9.36E-06	1.68E-05
1,577	7.67E-07	7.08E-06	1.27E-05	7.59E-07	6.75E-06	1.25E-05	1.01E-06	9.36E-06	1.68E-05
1,578	7.67E-07	7.07E-06	1.27E-05	7.58E-07	6.74E-06	1.25E-05	1.01E-06	9.35E-06	1.68E-05
1,579	7.66E-07	7.07E-06	1.27E-05	7.58E-07	6.74E-06	1.25E-05	1.01E-06	9.34E-06	1.68E-05
1,580	7.66E-07	7.07E-06	1.27E-05	7.57E-07	6.74E-06	1.25E-05	1.01E-06	9.34E-06	1.67E-05
1,581	7.65E-07	7.06E-06	1.27E-05	7.57E-07	6.74E-06	1.25E-05	1.01E-06	9.34E-06	1.67E-05
1,582	7.65E-07	7.04E-06	1.27E-05	7.57E-07	6.73E-06	1.25E-05	1.01E-06	9.34E-06	1.67E-05
1,583	7.65E-07	7.03E-06	1.27E-05	7.56E-07	6.72E-06	1.24E-05	1.01E-06	9.34E-06	1.67E-05
1,584	7.64E-07	7.03E-06	1.27E-05	7.56E-07	6.72E-06	1.24E-05	1.01E-06	9.33E-06	1.67E-05
1,585	7.63E-07	7.02E-06	1.26E-05	7.55E-07	6.72E-06	1.24E-05	1.01E-06	9.33E-06	1.67E-05
1,586	7.63E-07	7.01E-06	1.26E-05	7.55E-07	6.72E-06	1.24E-05	1.01E-06	9.32E-06	1.67E-05
1,587	7.63E-07	7.01E-06	1.26E-05	7.55E-07	6.71E-06	1.24E-05	1.01E-06	9.32E-06	1.67E-05
1,588	7.62E-07	7.01E-06	1.26E-05	7.55E-07	6.71E-06	1.24E-05	1.01E-06	9.32E-06	1.67E-05
1,589	7.62E-07	7.01E-06	1.26E-05	7.55E-07	6.71E-06	1.24E-05	1.01E-06	9.32E-06	1.67E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,590	7.62E-07	7.01E-06	1.26E-05	7.54E-07	6.70E-06	1.24E-05	1.01E-06	9.32E-06	1.67E-05
1,591	7.62E-07	7.01E-06	1.26E-05	7.53E-07	6.70E-06	1.24E-05	1.01E-06	9.31E-06	1.67E-05
1,592	7.61E-07	7.00E-06	1.26E-05	7.53E-07	6.70E-06	1.24E-05	1.01E-06	9.31E-06	1.67E-05
1,593	7.61E-07	7.00E-06	1.26E-05	7.53E-07	6.70E-06	1.24E-05	1.01E-06	9.30E-06	1.67E-05
1,594	7.61E-07	7.00E-06	1.26E-05	7.52E-07	6.70E-06	1.24E-05	1.00E-06	9.30E-06	1.66E-05
1,595	7.61E-07	7.00E-06	1.26E-05	7.51E-07	6.70E-06	1.24E-05	1.00E-06	9.29E-06	1.66E-05
1,596	7.60E-07	7.00E-06	1.26E-05	7.51E-07	6.69E-06	1.24E-05	1.00E-06	9.29E-06	1.66E-05
1,597	7.60E-07	7.00E-06	1.26E-05	7.50E-07	6.68E-06	1.24E-05	1.00E-06	9.28E-06	1.66E-05
1,598	7.60E-07	6.99E-06	1.26E-05	7.50E-07	6.67E-06	1.24E-05	1.00E-06	9.28E-06	1.66E-05
1,599	7.60E-07	6.99E-06	1.26E-05	7.50E-07	6.67E-06	1.24E-05	1.00E-06	9.27E-06	1.66E-05
1,600	7.58E-07	6.99E-06	1.26E-05	7.50E-07	6.66E-06	1.24E-05	1.00E-06	9.27E-06	1.66E-05
1,601	7.58E-07	6.98E-06	1.26E-05	7.49E-07	6.66E-06	1.24E-05	1.00E-06	9.26E-06	1.66E-05
1,602	7.58E-07	6.98E-06	1.26E-05	7.49E-07	6.66E-06	1.24E-05	1.00E-06	9.26E-06	1.66E-05
1,603	7.57E-07	6.97E-06	1.26E-05	7.49E-07	6.66E-06	1.24E-05	1.00E-06	9.26E-06	1.66E-05
1,604	7.57E-07	6.97E-06	1.25E-05	7.49E-07	6.66E-06	1.23E-05	1.00E-06	9.26E-06	1.66E-05
1,605	7.57E-07	6.97E-06	1.25E-05	7.49E-07	6.66E-06	1.23E-05	1.00E-06	9.25E-06	1.66E-05
1,606	7.57E-07	6.96E-06	1.25E-05	7.47E-07	6.65E-06	1.23E-05	9.99E-07	9.23E-06	1.66E-05
1,607	7.57E-07	6.96E-06	1.25E-05	7.47E-07	6.65E-06	1.23E-05	9.99E-07	9.23E-06	1.66E-05
1,608	7.56E-07	6.96E-06	1.25E-05	7.47E-07	6.65E-06	1.23E-05	9.98E-07	9.23E-06	1.66E-05
1,609	7.56E-07	6.95E-06	1.25E-05	7.46E-07	6.65E-06	1.23E-05	9.97E-07	9.22E-06	1.66E-05
1,610	7.55E-07	6.95E-06	1.25E-05	7.46E-07	6.64E-06	1.23E-05	9.96E-07	9.22E-06	1.66E-05
1,611	7.55E-07	6.95E-06	1.25E-05	7.46E-07	6.64E-06	1.23E-05	9.96E-07	9.21E-06	1.66E-05
1,612	7.55E-07	6.95E-06	1.25E-05	7.45E-07	6.63E-06	1.23E-05	9.95E-07	9.19E-06	1.65E-05
1,613	7.55E-07	6.95E-06	1.25E-05	7.45E-07	6.62E-06	1.23E-05	9.95E-07	9.18E-06	1.65E-05
1,614	7.54E-07	6.95E-06	1.25E-05	7.45E-07	6.62E-06	1.23E-05	9.95E-07	9.17E-06	1.65E-05
1,615	7.54E-07	6.94E-06	1.25E-05	7.44E-07	6.62E-06	1.23E-05	9.95E-07	9.17E-06	1.65E-05
1,616	7.53E-07	6.94E-06	1.25E-05	7.44E-07	6.61E-06	1.23E-05	9.95E-07	9.17E-06	1.65E-05
1,617	7.53E-07	6.94E-06	1.24E-05	7.44E-07	6.60E-06	1.23E-05	9.95E-07	9.17E-06	1.65E-05
1,618	7.52E-07	6.94E-06	1.24E-05	7.44E-07	6.59E-06	1.23E-05	9.94E-07	9.16E-06	1.65E-05
1,619	7.52E-07	6.93E-06	1.24E-05	7.44E-07	6.59E-06	1.22E-05	9.94E-07	9.16E-06	1.65E-05
1,620	7.52E-07	6.92E-06	1.24E-05	7.43E-07	6.59E-06	1.22E-05	9.94E-07	9.16E-06	1.65E-05
1,621	7.51E-07	6.92E-06	1.24E-05	7.41E-07	6.59E-06	1.22E-05	9.93E-07	9.15E-06	1.65E-05
1,622	7.50E-07	6.91E-06	1.24E-05	7.41E-07	6.58E-06	1.22E-05	9.93E-07	9.15E-06	1.65E-05
1,623	7.50E-07	6.91E-06	1.24E-05	7.41E-07	6.58E-06	1.22E-05	9.93E-07	9.15E-06	1.65E-05
1,624	7.50E-07	6.90E-06	1.24E-05	7.41E-07	6.58E-06	1.22E-05	9.92E-07	9.14E-06	1.65E-05
1,625	7.50E-07	6.90E-06	1.24E-05	7.41E-07	6.58E-06	1.22E-05	9.92E-07	9.14E-06	1.65E-05
1,626	7.49E-07	6.90E-06	1.24E-05	7.40E-07	6.57E-06	1.22E-05	9.92E-07	9.14E-06	1.65E-05
1,627	7.49E-07	6.89E-06	1.24E-05	7.40E-07	6.57E-06	1.22E-05	9.91E-07	9.13E-06	1.64E-05
1,628	7.49E-07	6.89E-06	1.24E-05	7.40E-07	6.57E-06	1.22E-05	9.91E-07	9.13E-06	1.64E-05
1,629	7.49E-07	6.89E-06	1.24E-05	7.39E-07	6.57E-06	1.22E-05	9.91E-07	9.13E-06	1.64E-05
1,630	7.49E-07	6.89E-06	1.24E-05	7.39E-07	6.57E-06	1.22E-05	9.91E-07	9.12E-06	1.64E-05
1,631	7.48E-07	6.89E-06	1.24E-05	7.39E-07	6.57E-06	1.22E-05	9.90E-07	9.11E-06	1.64E-05
1,632	7.47E-07	6.89E-06	1.24E-05	7.39E-07	6.57E-06	1.22E-05	9.90E-07	9.11E-06	1.64E-05
1,633	7.46E-07	6.88E-06	1.24E-05	7.38E-07	6.57E-06	1.22E-05	9.89E-07	9.11E-06	1.64E-05
1,634	7.46E-07	6.88E-06	1.24E-05	7.38E-07	6.56E-06	1.22E-05	9.89E-07	9.10E-06	1.64E-05
1,635	7.45E-07	6.87E-06	1.24E-05	7.38E-07	6.56E-06	1.22E-05	9.89E-07	9.09E-06	1.64E-05
1,636	7.45E-07	6.87E-06	1.24E-05	7.37E-07	6.56E-06	1.22E-05	9.88E-07	9.09E-06	1.64E-05
1,637	7.45E-07	6.87E-06	1.24E-05	7.37E-07	6.56E-06	1.22E-05	9.88E-07	9.08E-06	1.64E-05
1,638	7.45E-07	6.87E-06	1.23E-05	7.36E-07	6.55E-06	1.22E-05	9.86E-07	9.07E-06	1.63E-05
1,639	7.45E-07	6.87E-06	1.23E-05	7.36E-07	6.55E-06	1.22E-05	9.86E-07	9.06E-06	1.63E-05
1,640	7.44E-07	6.87E-06	1.23E-05	7.36E-07	6.55E-06	1.21E-05	9.85E-07	9.06E-06	1.63E-05
1,641	7.44E-07	6.86E-06	1.23E-05	7.34E-07	6.55E-06	1.21E-05	9.84E-07	9.06E-06	1.63E-05
1,642	7.44E-07	6.86E-06	1.23E-05	7.33E-07	6.55E-06	1.21E-05	9.83E-07	9.05E-06	1.63E-05
1,643	7.43E-07	6.85E-06	1.23E-05	7.33E-07	6.55E-06	1.21E-05	9.83E-07	9.04E-06	1.63E-05
1,644	7.41E-07	6.85E-06	1.23E-05	7.33E-07	6.54E-06	1.21E-05	9.83E-07	9.04E-06	1.63E-05
1,645	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.82E-07	9.04E-06	1.63E-05
1,646	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.82E-07	9.03E-06	1.63E-05
1,647	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.82E-07	9.02E-06	1.63E-05
1,648	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.81E-07	9.02E-06	1.63E-05
1,649	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.80E-07	9.02E-06	1.62E-05
1,650	7.40E-07	6.85E-06	1.23E-05	7.32E-07	6.54E-06	1.21E-05	9.79E-07	9.02E-06	1.62E-05
1,651	7.40E-07	6.83E-06	1.23E-05	7.32E-07	6.53E-06	1.21E-05	9.78E-07	9.02E-06	1.62E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,652	7.39E-07	6.83E-06	1.23E-05	7.31E-07	6.53E-06	1.21E-05	9.76E-07	9.00E-06	1.62E-05
1,653	7.39E-07	6.83E-06	1.23E-05	7.31E-07	6.53E-06	1.20E-05	9.76E-07	9.00E-06	1.62E-05
1,654	7.39E-07	6.82E-06	1.23E-05	7.30E-07	6.52E-06	1.20E-05	9.76E-07	9.00E-06	1.62E-05
1,655	7.38E-07	6.82E-06	1.22E-05	7.30E-07	6.52E-06	1.20E-05	9.76E-07	9.00E-06	1.62E-05
1,656	7.38E-07	6.82E-06	1.22E-05	7.30E-07	6.51E-06	1.20E-05	9.76E-07	9.00E-06	1.62E-05
1,657	7.38E-07	6.82E-06	1.22E-05	7.29E-07	6.51E-06	1.20E-05	9.75E-07	8.98E-06	1.62E-05
1,658	7.38E-07	6.82E-06	1.22E-05	7.28E-07	6.50E-06	1.20E-05	9.75E-07	8.98E-06	1.62E-05
1,659	7.37E-07	6.82E-06	1.22E-05	7.28E-07	6.50E-06	1.20E-05	9.75E-07	8.97E-06	1.62E-05
1,660	7.37E-07	6.81E-06	1.22E-05	7.28E-07	6.49E-06	1.20E-05	9.74E-07	8.97E-06	1.61E-05
1,661	7.37E-07	6.81E-06	1.22E-05	7.27E-07	6.49E-06	1.20E-05	9.74E-07	8.97E-06	1.61E-05
1,662	7.37E-07	6.81E-06	1.22E-05	7.27E-07	6.48E-06	1.20E-05	9.74E-07	8.97E-06	1.61E-05
1,663	7.37E-07	6.79E-06	1.22E-05	7.27E-07	6.48E-06	1.20E-05	9.73E-07	8.97E-06	1.61E-05
1,664	7.36E-07	6.79E-06	1.22E-05	7.26E-07	6.48E-06	1.20E-05	9.73E-07	8.96E-06	1.61E-05
1,665	7.36E-07	6.78E-06	1.22E-05	7.26E-07	6.48E-06	1.20E-05	9.72E-07	8.96E-06	1.61E-05
1,666	7.36E-07	6.78E-06	1.22E-05	7.26E-07	6.48E-06	1.20E-05	9.71E-07	8.94E-06	1.61E-05
1,667	7.36E-07	6.78E-06	1.22E-05	7.26E-07	6.48E-06	1.20E-05	9.71E-07	8.94E-06	1.61E-05
1,668	7.35E-07	6.78E-06	1.22E-05	7.26E-07	6.48E-06	1.20E-05	9.70E-07	8.94E-06	1.61E-05
1,669	7.35E-07	6.78E-06	1.22E-05	7.25E-07	6.47E-06	1.20E-05	9.70E-07	8.94E-06	1.61E-05
1,670	7.35E-07	6.77E-06	1.22E-05	7.24E-07	6.47E-06	1.20E-05	9.70E-07	8.93E-06	1.60E-05
1,671	7.35E-07	6.77E-06	1.22E-05	7.24E-07	6.47E-06	1.20E-05	9.70E-07	8.92E-06	1.60E-05
1,672	7.34E-07	6.77E-06	1.22E-05	7.24E-07	6.46E-06	1.19E-05	9.69E-07	8.91E-06	1.60E-05
1,673	7.33E-07	6.76E-06	1.22E-05	7.23E-07	6.46E-06	1.19E-05	9.69E-07	8.91E-06	1.60E-05
1,674	7.33E-07	6.76E-06	1.22E-05	7.23E-07	6.46E-06	1.19E-05	9.68E-07	8.90E-06	1.60E-05
1,675	7.33E-07	6.76E-06	1.22E-05	7.23E-07	6.45E-06	1.19E-05	9.68E-07	8.90E-06	1.60E-05
1,676	7.32E-07	6.76E-06	1.21E-05	7.23E-07	6.45E-06	1.19E-05	9.68E-07	8.90E-06	1.60E-05
1,677	7.32E-07	6.76E-06	1.21E-05	7.22E-07	6.45E-06	1.19E-05	9.68E-07	8.89E-06	1.60E-05
1,678	7.31E-07	6.76E-06	1.21E-05	7.22E-07	6.45E-06	1.19E-05	9.67E-07	8.89E-06	1.60E-05
1,679	7.31E-07	6.75E-06	1.21E-05	7.22E-07	6.43E-06	1.19E-05	9.67E-07	8.89E-06	1.60E-05
1,680	7.30E-07	6.75E-06	1.21E-05	7.21E-07	6.43E-06	1.19E-05	9.67E-07	8.87E-06	1.60E-05
1,681	7.30E-07	6.75E-06	1.21E-05	7.21E-07	6.42E-06	1.19E-05	9.66E-07	8.87E-06	1.60E-05
1,682	7.30E-07	6.75E-06	1.21E-05	7.21E-07	6.42E-06	1.19E-05	9.66E-07	8.86E-06	1.59E-05
1,683	7.30E-07	6.74E-06	1.21E-05	7.21E-07	6.42E-06	1.19E-05	9.66E-07	8.86E-06	1.59E-05
1,684	7.29E-07	6.74E-06	1.21E-05	7.20E-07	6.41E-06	1.19E-05	9.66E-07	8.85E-06	1.59E-05
1,685	7.29E-07	6.73E-06	1.21E-05	7.20E-07	6.41E-06	1.19E-05	9.66E-07	8.85E-06	1.59E-05
1,686	7.29E-07	6.73E-06	1.21E-05	7.20E-07	6.41E-06	1.19E-05	9.64E-07	8.85E-06	1.59E-05
1,687	7.28E-07	6.73E-06	1.21E-05	7.19E-07	6.40E-06	1.19E-05	9.64E-07	8.84E-06	1.59E-05
1,688	7.28E-07	6.72E-06	1.21E-05	7.19E-07	6.40E-06	1.19E-05	9.64E-07	8.84E-06	1.59E-05
1,689	7.28E-07	6.72E-06	1.21E-05	7.19E-07	6.40E-06	1.19E-05	9.63E-07	8.84E-06	1.59E-05
1,690	7.28E-07	6.72E-06	1.21E-05	7.18E-07	6.40E-06	1.19E-05	9.62E-07	8.84E-06	1.59E-05
1,691	7.28E-07	6.71E-06	1.21E-05	7.17E-07	6.40E-06	1.19E-05	9.62E-07	8.83E-06	1.59E-05
1,692	7.28E-07	6.71E-06	1.21E-05	7.17E-07	6.38E-06	1.18E-05	9.62E-07	8.81E-06	1.59E-05
1,693	7.27E-07	6.71E-06	1.20E-05	7.17E-07	6.38E-06	1.18E-05	9.61E-07	8.80E-06	1.59E-05
1,694	7.27E-07	6.71E-06	1.20E-05	7.17E-07	6.38E-06	1.18E-05	9.60E-07	8.80E-06	1.59E-05
1,695	7.27E-07	6.71E-06	1.20E-05	7.16E-07	6.38E-06	1.18E-05	9.60E-07	8.80E-06	1.59E-05
1,696	7.27E-07	6.71E-06	1.20E-05	7.16E-07	6.38E-06	1.18E-05	9.60E-07	8.80E-06	1.59E-05
1,697	7.27E-07	6.71E-06	1.20E-05	7.16E-07	6.37E-06	1.18E-05	9.60E-07	8.79E-06	1.59E-05
1,698	7.26E-07	6.71E-06	1.20E-05	7.16E-07	6.37E-06	1.18E-05	9.60E-07	8.78E-06	1.59E-05
1,699	7.26E-07	6.70E-06	1.20E-05	7.16E-07	6.37E-06	1.18E-05	9.60E-07	8.78E-06	1.58E-05
1,700	7.26E-07	6.69E-06	1.20E-05	7.14E-07	6.36E-06	1.18E-05	9.59E-07	8.77E-06	1.58E-05
1,701	7.25E-07	6.69E-06	1.20E-05	7.14E-07	6.36E-06	1.18E-05	9.58E-07	8.76E-06	1.58E-05
1,702	7.25E-07	6.69E-06	1.20E-05	7.14E-07	6.36E-06	1.18E-05	9.58E-07	8.76E-06	1.58E-05
1,703	7.25E-07	6.69E-06	1.20E-05	7.13E-07	6.36E-06	1.18E-05	9.57E-07	8.76E-06	1.58E-05
1,704	7.25E-07	6.68E-06	1.20E-05	7.13E-07	6.36E-06	1.18E-05	9.57E-07	8.75E-06	1.58E-05
1,705	7.25E-07	6.68E-06	1.20E-05	7.12E-07	6.35E-06	1.18E-05	9.56E-07	8.74E-06	1.58E-05
1,706	7.25E-07	6.68E-06	1.20E-05	7.11E-07	6.35E-06	1.18E-05	9.55E-07	8.73E-06	1.58E-05
1,707	7.24E-07	6.68E-06	1.20E-05	7.10E-07	6.35E-06	1.18E-05	9.54E-07	8.73E-06	1.58E-05
1,708	7.24E-07	6.68E-06	1.20E-05	7.10E-07	6.35E-06	1.18E-05	9.54E-07	8.72E-06	1.58E-05
1,709	7.24E-07	6.68E-06	1.20E-05	7.09E-07	6.34E-06	1.18E-05	9.53E-07	8.72E-06	1.58E-05
1,710	7.24E-07	6.68E-06	1.20E-05	7.09E-07	6.34E-06	1.18E-05	9.53E-07	8.72E-06	1.57E-05
1,711	7.24E-07	6.67E-06	1.20E-05	7.09E-07	6.34E-06	1.18E-05	9.53E-07	8.72E-06	1.57E-05
1,712	7.24E-07	6.67E-06	1.19E-05	7.08E-07	6.33E-06	1.17E-05	9.53E-07	8.71E-06	1.57E-05
1,713	7.24E-07	6.67E-06	1.19E-05	7.08E-07	6.33E-06	1.17E-05	9.53E-07	8.71E-06	1.57E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,714	7.24E-07	6.67E-06	1.19E-05	7.08E-07	6.33E-06	1.17E-05	9.53E-07	8.71E-06	1.57E-05
1,715	7.23E-07	6.66E-06	1.19E-05	7.07E-07	6.33E-06	1.17E-05	9.53E-07	8.70E-06	1.57E-05
1,716	7.23E-07	6.66E-06	1.19E-05	7.07E-07	6.33E-06	1.17E-05	9.52E-07	8.70E-06	1.57E-05
1,717	7.22E-07	6.66E-06	1.19E-05	7.07E-07	6.32E-06	1.17E-05	9.52E-07	8.69E-06	1.57E-05
1,718	7.22E-07	6.66E-06	1.19E-05	7.07E-07	6.32E-06	1.17E-05	9.52E-07	8.69E-06	1.57E-05
1,719	7.22E-07	6.65E-06	1.19E-05	7.07E-07	6.31E-06	1.17E-05	9.51E-07	8.68E-06	1.57E-05
1,720	7.21E-07	6.65E-06	1.19E-05	7.07E-07	6.31E-06	1.17E-05	9.51E-07	8.68E-06	1.57E-05
1,721	7.21E-07	6.64E-06	1.19E-05	7.06E-07	6.31E-06	1.17E-05	9.51E-07	8.67E-06	1.57E-05
1,722	7.20E-07	6.64E-06	1.19E-05	7.06E-07	6.30E-06	1.17E-05	9.50E-07	8.67E-06	1.57E-05
1,723	7.20E-07	6.63E-06	1.19E-05	7.06E-07	6.29E-06	1.17E-05	9.49E-07	8.67E-06	1.57E-05
1,724	7.20E-07	6.63E-06	1.19E-05	7.05E-07	6.29E-06	1.17E-05	9.49E-07	8.67E-06	1.57E-05
1,725	7.20E-07	6.63E-06	1.19E-05	7.05E-07	6.29E-06	1.17E-05	9.48E-07	8.67E-06	1.56E-05
1,726	7.20E-07	6.63E-06	1.19E-05	7.05E-07	6.29E-06	1.17E-05	9.48E-07	8.66E-06	1.56E-05
1,727	7.20E-07	6.62E-06	1.19E-05	7.05E-07	6.28E-06	1.17E-05	9.47E-07	8.66E-06	1.56E-05
1,728	7.20E-07	6.62E-06	1.19E-05	7.05E-07	6.28E-06	1.17E-05	9.47E-07	8.66E-06	1.56E-05
1,729	7.20E-07	6.62E-06	1.19E-05	7.05E-07	6.28E-06	1.17E-05	9.47E-07	8.64E-06	1.56E-05
1,730	7.20E-07	6.61E-06	1.19E-05	7.05E-07	6.27E-06	1.16E-05	9.47E-07	8.64E-06	1.56E-05
1,731	7.20E-07	6.61E-06	1.19E-05	7.05E-07	6.27E-06	1.16E-05	9.47E-07	8.64E-06	1.56E-05
1,732	7.19E-07	6.61E-06	1.18E-05	7.04E-07	6.26E-06	1.16E-05	9.45E-07	8.63E-06	1.56E-05
1,733	7.19E-07	6.61E-06	1.18E-05	7.04E-07	6.26E-06	1.16E-05	9.45E-07	8.63E-06	1.56E-05
1,734	7.19E-07	6.61E-06	1.18E-05	7.03E-07	6.26E-06	1.16E-05	9.44E-07	8.63E-06	1.56E-05
1,735	7.19E-07	6.61E-06	1.18E-05	7.03E-07	6.25E-06	1.16E-05	9.43E-07	8.63E-06	1.56E-05
1,736	7.18E-07	6.60E-06	1.18E-05	7.02E-07	6.25E-06	1.16E-05	9.43E-07	8.62E-06	1.56E-05
1,737	7.18E-07	6.60E-06	1.18E-05	7.02E-07	6.25E-06	1.16E-05	9.43E-07	8.62E-06	1.55E-05
1,738	7.18E-07	6.60E-06	1.18E-05	7.02E-07	6.25E-06	1.16E-05	9.43E-07	8.61E-06	1.55E-05
1,739	7.18E-07	6.58E-06	1.18E-05	7.02E-07	6.25E-06	1.16E-05	9.42E-07	8.61E-06	1.55E-05
1,740	7.18E-07	6.58E-06	1.18E-05	7.02E-07	6.25E-06	1.16E-05	9.42E-07	8.61E-06	1.55E-05
1,741	7.17E-07	6.58E-06	1.18E-05	7.02E-07	6.24E-06	1.16E-05	9.42E-07	8.61E-06	1.55E-05
1,742	7.17E-07	6.57E-06	1.18E-05	7.02E-07	6.24E-06	1.16E-05	9.42E-07	8.59E-06	1.55E-05
1,743	7.17E-07	6.57E-06	1.18E-05	7.02E-07	6.24E-06	1.16E-05	9.41E-07	8.59E-06	1.55E-05
1,744	7.17E-07	6.57E-06	1.18E-05	7.01E-07	6.24E-06	1.16E-05	9.41E-07	8.59E-06	1.55E-05
1,745	7.16E-07	6.56E-06	1.18E-05	7.01E-07	6.23E-06	1.16E-05	9.41E-07	8.58E-06	1.55E-05
1,746	7.16E-07	6.56E-06	1.18E-05	7.01E-07	6.23E-06	1.16E-05	9.41E-07	8.58E-06	1.55E-05
1,747	7.15E-07	6.56E-06	1.18E-05	7.01E-07	6.23E-06	1.16E-05	9.41E-07	8.58E-06	1.55E-05
1,748	7.15E-07	6.56E-06	1.18E-05	7.01E-07	6.23E-06	1.16E-05	9.41E-07	8.58E-06	1.55E-05
1,749	7.15E-07	6.56E-06	1.17E-05	7.00E-07	6.22E-06	1.16E-05	9.41E-07	8.57E-06	1.55E-05
1,750	7.14E-07	6.55E-06	1.17E-05	7.00E-07	6.22E-06	1.15E-05	9.40E-07	8.57E-06	1.55E-05
1,751	7.14E-07	6.55E-06	1.17E-05	6.99E-07	6.22E-06	1.15E-05	9.39E-07	8.57E-06	1.55E-05
1,752	7.14E-07	6.55E-06	1.17E-05	6.99E-07	6.21E-06	1.15E-05	9.38E-07	8.56E-06	1.55E-05
1,753	7.13E-07	6.55E-06	1.17E-05	6.99E-07	6.20E-06	1.15E-05	9.38E-07	8.56E-06	1.55E-05
1,754	7.13E-07	6.54E-06	1.17E-05	6.98E-07	6.20E-06	1.15E-05	9.38E-07	8.55E-06	1.55E-05
1,755	7.13E-07	6.54E-06	1.17E-05	6.97E-07	6.20E-06	1.15E-05	9.38E-07	8.55E-06	1.55E-05
1,756	7.13E-07	6.54E-06	1.17E-05	6.97E-07	6.20E-06	1.15E-05	9.37E-07	8.55E-06	1.55E-05
1,757	7.13E-07	6.54E-06	1.17E-05	6.97E-07	6.20E-06	1.15E-05	9.37E-07	8.53E-06	1.55E-05
1,758	7.13E-07	6.54E-06	1.17E-05	6.96E-07	6.20E-06	1.15E-05	9.37E-07	8.53E-06	1.55E-05
1,759	7.13E-07	6.53E-06	1.17E-05	6.95E-07	6.19E-06	1.15E-05	9.36E-07	8.53E-06	1.54E-05
1,760	7.12E-07	6.53E-06	1.17E-05	6.95E-07	6.19E-06	1.15E-05	9.36E-07	8.53E-06	1.54E-05
1,761	7.12E-07	6.52E-06	1.17E-05	6.94E-07	6.18E-06	1.15E-05	9.36E-07	8.53E-06	1.54E-05
1,762	7.12E-07	6.52E-06	1.17E-05	6.94E-07	6.18E-06	1.14E-05	9.35E-07	8.52E-06	1.54E-05
1,763	7.12E-07	6.51E-06	1.17E-05	6.93E-07	6.18E-06	1.14E-05	9.35E-07	8.51E-06	1.54E-05
1,764	7.11E-07	6.51E-06	1.17E-05	6.91E-07	6.18E-06	1.14E-05	9.35E-07	8.50E-06	1.54E-05
1,765	7.11E-07	6.51E-06	1.16E-05	6.91E-07	6.18E-06	1.14E-05	9.34E-07	8.50E-06	1.54E-05
1,766	7.11E-07	6.51E-06	1.16E-05	6.91E-07	6.18E-06	1.14E-05	9.34E-07	8.49E-06	1.54E-05
1,767	7.11E-07	6.50E-06	1.16E-05	6.91E-07	6.17E-06	1.14E-05	9.34E-07	8.48E-06	1.54E-05
1,768	7.11E-07	6.49E-06	1.16E-05	6.91E-07	6.17E-06	1.14E-05	9.33E-07	8.47E-06	1.54E-05
1,769	7.11E-07	6.49E-06	1.16E-05	6.91E-07	6.17E-06	1.14E-05	9.33E-07	8.47E-06	1.54E-05
1,770	7.10E-07	6.49E-06	1.16E-05	6.91E-07	6.16E-06	1.14E-05	9.33E-07	8.46E-06	1.54E-05
1,771	7.10E-07	6.49E-06	1.16E-05	6.90E-07	6.16E-06	1.14E-05	9.32E-07	8.46E-06	1.54E-05
1,772	7.10E-07	6.48E-06	1.16E-05	6.90E-07	6.16E-06	1.14E-05	9.31E-07	8.46E-06	1.54E-05
1,773	7.10E-07	6.48E-06	1.16E-05	6.90E-07	6.16E-06	1.14E-05	9.31E-07	8.46E-06	1.54E-05
1,774	7.10E-07	6.48E-06	1.16E-05	6.88E-07	6.16E-06	1.14E-05	9.31E-07	8.44E-06	1.54E-05
1,775	7.09E-07	6.48E-06	1.16E-05	6.88E-07	6.16E-06	1.14E-05	9.30E-07	8.43E-06	1.53E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,776	7.09E-07	6.48E-06	1.16E-05	6.88E-07	6.15E-06	1.13E-05	9.30E-07	8.43E-06	1.53E-05
1,777	7.09E-07	6.48E-06	1.16E-05	6.87E-07	6.15E-06	1.13E-05	9.30E-07	8.42E-06	1.53E-05
1,778	7.09E-07	6.47E-06	1.16E-05	6.87E-07	6.15E-06	1.13E-05	9.30E-07	8.42E-06	1.53E-05
1,779	7.08E-07	6.47E-06	1.16E-05	6.86E-07	6.14E-06	1.13E-05	9.30E-07	8.42E-06	1.53E-05
1,780	7.08E-07	6.47E-06	1.16E-05	6.86E-07	6.14E-06	1.13E-05	9.30E-07	8.41E-06	1.53E-05
1,781	7.07E-07	6.47E-06	1.16E-05	6.86E-07	6.14E-06	1.13E-05	9.30E-07	8.41E-06	1.53E-05
1,782	7.07E-07	6.46E-06	1.16E-05	6.86E-07	6.13E-06	1.13E-05	9.28E-07	8.41E-06	1.53E-05
1,783	7.06E-07	6.46E-06	1.16E-05	6.85E-07	6.13E-06	1.13E-05	9.27E-07	8.41E-06	1.53E-05
1,784	7.06E-07	6.46E-06	1.16E-05	6.85E-07	6.13E-06	1.13E-05	9.27E-07	8.41E-06	1.53E-05
1,785	7.05E-07	6.46E-06	1.16E-05	6.85E-07	6.13E-06	1.13E-05	9.27E-07	8.41E-06	1.53E-05
1,786	7.05E-07	6.43E-06	1.16E-05	6.84E-07	6.12E-06	1.13E-05	9.27E-07	8.41E-06	1.53E-05
1,787	7.05E-07	6.43E-06	1.16E-05	6.84E-07	6.12E-06	1.13E-05	9.27E-07	8.41E-06	1.53E-05
1,788	7.05E-07	6.43E-06	1.16E-05	6.84E-07	6.12E-06	1.13E-05	9.26E-07	8.40E-06	1.53E-05
1,789	7.05E-07	6.42E-06	1.16E-05	6.84E-07	6.11E-06	1.12E-05	9.25E-07	8.38E-06	1.53E-05
1,790	7.04E-07	6.42E-06	1.16E-05	6.83E-07	6.11E-06	1.12E-05	9.24E-07	8.38E-06	1.53E-05
1,791	7.04E-07	6.42E-06	1.16E-05	6.83E-07	6.10E-06	1.12E-05	9.24E-07	8.38E-06	1.53E-05
1,792	7.04E-07	6.42E-06	1.16E-05	6.83E-07	6.10E-06	1.12E-05	9.24E-07	8.38E-06	1.53E-05
1,793	7.03E-07	6.41E-06	1.16E-05	6.82E-07	6.10E-06	1.12E-05	9.23E-07	8.38E-06	1.52E-05
1,794	7.03E-07	6.41E-06	1.15E-05	6.82E-07	6.09E-06	1.12E-05	9.23E-07	8.38E-06	1.52E-05
1,795	7.03E-07	6.41E-06	1.15E-05	6.82E-07	6.09E-06	1.12E-05	9.22E-07	8.37E-06	1.52E-05
1,796	7.03E-07	6.41E-06	1.15E-05	6.82E-07	6.09E-06	1.12E-05	9.22E-07	8.37E-06	1.52E-05
1,797	7.03E-07	6.40E-06	1.15E-05	6.82E-07	6.08E-06	1.12E-05	9.22E-07	8.37E-06	1.52E-05
1,798	7.03E-07	6.40E-06	1.15E-05	6.82E-07	6.08E-06	1.12E-05	9.22E-07	8.36E-06	1.52E-05
1,799	7.02E-07	6.40E-06	1.15E-05	6.81E-07	6.08E-06	1.12E-05	9.22E-07	8.36E-06	1.52E-05
1,800	7.02E-07	6.40E-06	1.15E-05	6.80E-07	6.07E-06	1.12E-05	9.21E-07	8.36E-06	1.51E-05
1,801	7.02E-07	6.40E-06	1.15E-05	6.80E-07	6.07E-06	1.12E-05	9.17E-07	8.36E-06	1.51E-05
1,802	7.02E-07	6.40E-06	1.15E-05	6.80E-07	6.07E-06	1.12E-05	9.17E-07	8.36E-06	1.51E-05
1,803	7.00E-07	6.40E-06	1.15E-05	6.80E-07	6.07E-06	1.12E-05	9.17E-07	8.35E-06	1.51E-05
1,804	7.00E-07	6.40E-06	1.15E-05	6.79E-07	6.07E-06	1.12E-05	9.17E-07	8.35E-06	1.51E-05
1,805	6.99E-07	6.39E-06	1.15E-05	6.78E-07	6.07E-06	1.12E-05	9.17E-07	8.35E-06	1.51E-05
1,806	6.98E-07	6.39E-06	1.15E-05	6.78E-07	6.06E-06	1.12E-05	9.16E-07	8.34E-06	1.51E-05
1,807	6.97E-07	6.39E-06	1.15E-05	6.77E-07	6.06E-06	1.11E-05	9.16E-07	8.34E-06	1.51E-05
1,808	6.97E-07	6.39E-06	1.15E-05	6.77E-07	6.05E-06	1.11E-05	9.16E-07	8.33E-06	1.51E-05
1,809	6.97E-07	6.38E-06	1.15E-05	6.77E-07	6.05E-06	1.11E-05	9.15E-07	8.33E-06	1.51E-05
1,810	6.97E-07	6.38E-06	1.15E-05	6.76E-07	6.05E-06	1.11E-05	9.15E-07	8.33E-06	1.51E-05
1,811	6.97E-07	6.38E-06	1.15E-05	6.76E-07	6.05E-06	1.11E-05	9.14E-07	8.32E-06	1.51E-05
1,812	6.95E-07	6.37E-06	1.15E-05	6.75E-07	6.05E-06	1.11E-05	9.14E-07	8.31E-06	1.50E-05
1,813	6.95E-07	6.36E-06	1.15E-05	6.75E-07	6.04E-06	1.11E-05	9.13E-07	8.31E-06	1.50E-05
1,814	6.94E-07	6.36E-06	1.15E-05	6.75E-07	6.04E-06	1.11E-05	9.13E-07	8.30E-06	1.50E-05
1,815	6.94E-07	6.36E-06	1.14E-05	6.74E-07	6.04E-06	1.11E-05	9.12E-07	8.30E-06	1.50E-05
1,816	6.94E-07	6.36E-06	1.14E-05	6.74E-07	6.03E-06	1.11E-05	9.12E-07	8.30E-06	1.50E-05
1,817	6.93E-07	6.35E-06	1.14E-05	6.74E-07	6.03E-06	1.11E-05	9.11E-07	8.30E-06	1.50E-05
1,818	6.93E-07	6.35E-06	1.14E-05	6.72E-07	6.03E-06	1.11E-05	9.11E-07	8.29E-06	1.50E-05
1,819	6.93E-07	6.35E-06	1.14E-05	6.72E-07	6.02E-06	1.11E-05	9.11E-07	8.29E-06	1.50E-05
1,820	6.93E-07	6.34E-06	1.14E-05	6.72E-07	6.02E-06	1.11E-05	9.11E-07	8.29E-06	1.50E-05
1,821	6.92E-07	6.33E-06	1.14E-05	6.71E-07	6.01E-06	1.11E-05	9.10E-07	8.28E-06	1.50E-05
1,822	6.92E-07	6.33E-06	1.14E-05	6.71E-07	6.00E-06	1.11E-05	9.09E-07	8.28E-06	1.50E-05
1,823	6.92E-07	6.33E-06	1.14E-05	6.71E-07	6.00E-06	1.11E-05	9.09E-07	8.28E-06	1.50E-05
1,824	6.91E-07	6.33E-06	1.14E-05	6.71E-07	6.00E-06	1.11E-05	9.09E-07	8.28E-06	1.50E-05
1,825	6.90E-07	6.32E-06	1.14E-05	6.71E-07	6.00E-06	1.11E-05	9.08E-07	8.28E-06	1.50E-05
1,826	6.90E-07	6.32E-06	1.14E-05	6.70E-07	6.00E-06	1.11E-05	9.08E-07	8.27E-06	1.50E-05
1,827	6.90E-07	6.32E-06	1.14E-05	6.70E-07	6.00E-06	1.11E-05	9.08E-07	8.26E-06	1.50E-05
1,828	6.90E-07	6.32E-06	1.14E-05	6.70E-07	5.99E-06	1.10E-05	9.07E-07	8.26E-06	1.50E-05
1,829	6.90E-07	6.32E-06	1.14E-05	6.70E-07	5.99E-06	1.10E-05	9.07E-07	8.25E-06	1.50E-05
1,830	6.89E-07	6.32E-06	1.14E-05	6.69E-07	5.99E-06	1.10E-05	9.07E-07	8.25E-06	1.50E-05
1,831	6.89E-07	6.32E-06	1.14E-05	6.69E-07	5.98E-06	1.10E-05	9.07E-07	8.24E-06	1.49E-05
1,832	6.89E-07	6.32E-06	1.14E-05	6.68E-07	5.98E-06	1.10E-05	9.06E-07	8.24E-06	1.49E-05
1,833	6.88E-07	6.31E-06	1.14E-05	6.68E-07	5.97E-06	1.10E-05	9.06E-07	8.23E-06	1.49E-05
1,834	6.88E-07	6.31E-06	1.13E-05	6.68E-07	5.97E-06	1.10E-05	9.06E-07	8.23E-06	1.49E-05
1,835	6.88E-07	6.31E-06	1.13E-05	6.68E-07	5.97E-06	1.10E-05	9.06E-07	8.23E-06	1.49E-05
1,836	6.88E-07	6.30E-06	1.13E-05	6.67E-07	5.97E-06	1.10E-05	9.06E-07	8.22E-06	1.49E-05
1,837	6.88E-07	6.30E-06	1.13E-05	6.67E-07	5.97E-06	1.10E-05	9.05E-07	8.22E-06	1.49E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,838	6.87E-07	6.30E-06	1.13E-05	6.67E-07	5.97E-06	1.10E-05	9.05E-07	8.21E-06	1.49E-05
1,839	6.87E-07	6.29E-06	1.13E-05	6.67E-07	5.96E-06	1.10E-05	9.05E-07	8.21E-06	1.49E-05
1,840	6.87E-07	6.29E-06	1.13E-05	6.66E-07	5.96E-06	1.10E-05	9.04E-07	8.21E-06	1.48E-05
1,841	6.87E-07	6.29E-06	1.13E-05	6.66E-07	5.96E-06	1.10E-05	9.03E-07	8.21E-06	1.48E-05
1,842	6.85E-07	6.28E-06	1.13E-05	6.65E-07	5.96E-06	1.10E-05	9.03E-07	8.21E-06	1.48E-05
1,843	6.85E-07	6.28E-06	1.13E-05	6.65E-07	5.96E-06	1.10E-05	9.02E-07	8.20E-06	1.48E-05
1,844	6.84E-07	6.28E-06	1.13E-05	6.65E-07	5.95E-06	1.10E-05	9.01E-07	8.20E-06	1.48E-05
1,845	6.84E-07	6.27E-06	1.13E-05	6.64E-07	5.95E-06	1.10E-05	9.01E-07	8.20E-06	1.48E-05
1,846	6.84E-07	6.27E-06	1.13E-05	6.64E-07	5.95E-06	1.10E-05	9.00E-07	8.19E-06	1.48E-05
1,847	6.84E-07	6.27E-06	1.13E-05	6.63E-07	5.95E-06	1.10E-05	9.00E-07	8.18E-06	1.48E-05
1,848	6.84E-07	6.27E-06	1.13E-05	6.63E-07	5.94E-06	1.10E-05	9.00E-07	8.16E-06	1.48E-05
1,849	6.84E-07	6.27E-06	1.13E-05	6.62E-07	5.94E-06	1.10E-05	8.99E-07	8.16E-06	1.48E-05
1,850	6.83E-07	6.26E-06	1.13E-05	6.61E-07	5.94E-06	1.10E-05	8.99E-07	8.16E-06	1.48E-05
1,851	6.83E-07	6.25E-06	1.13E-05	6.61E-07	5.94E-06	1.10E-05	8.98E-07	8.15E-06	1.48E-05
1,852	6.83E-07	6.25E-06	1.13E-05	6.61E-07	5.94E-06	1.10E-05	8.98E-07	8.15E-06	1.48E-05
1,853	6.83E-07	6.23E-06	1.13E-05	6.61E-07	5.94E-06	1.09E-05	8.98E-07	8.15E-06	1.48E-05
1,854	6.83E-07	6.22E-06	1.13E-05	6.60E-07	5.94E-06	1.09E-05	8.97E-07	8.15E-06	1.48E-05
1,855	6.82E-07	6.22E-06	1.13E-05	6.60E-07	5.93E-06	1.09E-05	8.97E-07	8.14E-06	1.48E-05
1,856	6.82E-07	6.21E-06	1.13E-05	6.59E-07	5.93E-06	1.09E-05	8.97E-07	8.13E-06	1.48E-05
1,857	6.82E-07	6.21E-06	1.13E-05	6.59E-07	5.93E-06	1.09E-05	8.96E-07	8.13E-06	1.48E-05
1,858	6.82E-07	6.21E-06	1.13E-05	6.58E-07	5.93E-06	1.09E-05	8.95E-07	8.13E-06	1.47E-05
1,859	6.82E-07	6.20E-06	1.13E-05	6.58E-07	5.92E-06	1.09E-05	8.95E-07	8.12E-06	1.47E-05
1,860	6.82E-07	6.20E-06	1.13E-05	6.57E-07	5.92E-06	1.09E-05	8.94E-07	8.12E-06	1.47E-05
1,861	6.81E-07	6.20E-06	1.13E-05	6.57E-07	5.91E-06	1.09E-05	8.94E-07	8.12E-06	1.47E-05
1,862	6.81E-07	6.20E-06	1.13E-05	6.57E-07	5.91E-06	1.09E-05	8.94E-07	8.11E-06	1.47E-05
1,863	6.81E-07	6.20E-06	1.12E-05	6.56E-07	5.91E-06	1.09E-05	8.93E-07	8.11E-06	1.47E-05
1,864	6.81E-07	6.20E-06	1.12E-05	6.56E-07	5.91E-06	1.09E-05	8.93E-07	8.09E-06	1.47E-05
1,865	6.81E-07	6.20E-06	1.12E-05	6.55E-07	5.91E-06	1.09E-05	8.93E-07	8.08E-06	1.47E-05
1,866	6.80E-07	6.19E-06	1.12E-05	6.55E-07	5.90E-06	1.09E-05	8.92E-07	8.08E-06	1.47E-05
1,867	6.80E-07	6.19E-06	1.12E-05	6.55E-07	5.90E-06	1.09E-05	8.92E-07	8.07E-06	1.47E-05
1,868	6.80E-07	6.19E-06	1.12E-05	6.55E-07	5.89E-06	1.09E-05	8.92E-07	8.07E-06	1.47E-05
1,869	6.80E-07	6.19E-06	1.12E-05	6.54E-07	5.89E-06	1.09E-05	8.92E-07	8.07E-06	1.47E-05
1,870	6.80E-07	6.18E-06	1.12E-05	6.53E-07	5.89E-06	1.09E-05	8.92E-07	8.07E-06	1.46E-05
1,871	6.80E-07	6.18E-06	1.12E-05	6.52E-07	5.88E-06	1.09E-05	8.92E-07	8.06E-06	1.46E-05
1,872	6.80E-07	6.17E-06	1.12E-05	6.52E-07	5.88E-06	1.08E-05	8.91E-07	8.05E-06	1.46E-05
1,873	6.79E-07	6.17E-06	1.12E-05	6.51E-07	5.88E-06	1.08E-05	8.91E-07	8.05E-06	1.46E-05
1,874	6.79E-07	6.17E-06	1.12E-05	6.51E-07	5.88E-06	1.08E-05	8.90E-07	8.05E-06	1.46E-05
1,875	6.79E-07	6.17E-06	1.12E-05	6.50E-07	5.88E-06	1.08E-05	8.90E-07	8.05E-06	1.46E-05
1,876	6.79E-07	6.16E-06	1.12E-05	6.50E-07	5.88E-06	1.08E-05	8.89E-07	8.03E-06	1.46E-05
1,877	6.79E-07	6.16E-06	1.12E-05	6.49E-07	5.88E-06	1.08E-05	8.89E-07	8.02E-06	1.46E-05
1,878	6.79E-07	6.16E-06	1.12E-05	6.49E-07	5.88E-06	1.08E-05	8.89E-07	8.02E-06	1.46E-05
1,879	6.78E-07	6.15E-06	1.12E-05	6.49E-07	5.88E-06	1.08E-05	8.88E-07	8.02E-06	1.46E-05
1,880	6.78E-07	6.15E-06	1.12E-05	6.49E-07	5.87E-06	1.08E-05	8.87E-07	8.01E-06	1.46E-05
1,881	6.78E-07	6.15E-06	1.12E-05	6.48E-07	5.87E-06	1.08E-05	8.87E-07	8.01E-06	1.46E-05
1,882	6.78E-07	6.15E-06	1.12E-05	6.48E-07	5.87E-06	1.08E-05	8.86E-07	8.01E-06	1.46E-05
1,883	6.78E-07	6.15E-06	1.12E-05	6.47E-07	5.87E-06	1.08E-05	8.86E-07	8.01E-06	1.46E-05
1,884	6.78E-07	6.14E-06	1.12E-05	6.47E-07	5.86E-06	1.08E-05	8.86E-07	8.01E-06	1.46E-05
1,885	6.77E-07	6.14E-06	1.12E-05	6.47E-07	5.86E-06	1.08E-05	8.85E-07	8.01E-06	1.46E-05
1,886	6.77E-07	6.14E-06	1.11E-05	6.47E-07	5.85E-06	1.07E-05	8.85E-07	8.01E-06	1.46E-05
1,887	6.77E-07	6.13E-06	1.11E-05	6.47E-07	5.85E-06	1.07E-05	8.85E-07	8.01E-06	1.46E-05
1,888	6.77E-07	6.13E-06	1.11E-05	6.46E-07	5.84E-06	1.07E-05	8.84E-07	8.01E-06	1.45E-05
1,889	6.77E-07	6.12E-06	1.11E-05	6.46E-07	5.84E-06	1.07E-05	8.84E-07	8.01E-06	1.45E-05
1,890	6.76E-07	6.12E-06	1.11E-05	6.46E-07	5.84E-06	1.07E-05	8.84E-07	8.00E-06	1.45E-05
1,891	6.75E-07	6.12E-06	1.11E-05	6.46E-07	5.84E-06	1.07E-05	8.84E-07	8.00E-06	1.45E-05
1,892	6.75E-07	6.12E-06	1.11E-05	6.46E-07	5.84E-06	1.07E-05	8.84E-07	7.99E-06	1.45E-05
1,893	6.75E-07	6.11E-06	1.11E-05	6.46E-07	5.83E-06	1.07E-05	8.84E-07	7.99E-06	1.45E-05
1,894	6.74E-07	6.11E-06	1.11E-05	6.46E-07	5.83E-06	1.07E-05	8.84E-07	7.99E-06	1.45E-05
1,895	6.72E-07	6.11E-06	1.11E-05	6.45E-07	5.83E-06	1.07E-05	8.83E-07	7.99E-06	1.45E-05
1,896	6.72E-07	6.11E-06	1.11E-05	6.45E-07	5.83E-06	1.07E-05	8.83E-07	7.98E-06	1.45E-05
1,897	6.71E-07	6.11E-06	1.11E-05	6.45E-07	5.82E-06	1.07E-05	8.83E-07	7.98E-06	1.45E-05
1,898	6.71E-07	6.10E-06	1.11E-05	6.45E-07	5.82E-06	1.07E-05	8.83E-07	7.98E-06	1.45E-05
1,899	6.71E-07	6.10E-06	1.11E-05	6.45E-07	5.82E-06	1.07E-05	8.82E-07	7.98E-06	1.45E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,900	6.70E-07	6.10E-06	1.11E-05	6.44E-07	5.82E-06	1.07E-05	8.81E-07	7.97E-06	1.45E-05
1,901	6.70E-07	6.10E-06	1.11E-05	6.44E-07	5.81E-06	1.07E-05	8.81E-07	7.97E-06	1.45E-05
1,902	6.70E-07	6.09E-06	1.11E-05	6.44E-07	5.81E-06	1.07E-05	8.81E-07	7.97E-06	1.45E-05
1,903	6.70E-07	6.09E-06	1.11E-05	6.44E-07	5.81E-06	1.07E-05	8.81E-07	7.96E-06	1.45E-05
1,904	6.69E-07	6.09E-06	1.11E-05	6.44E-07	5.80E-06	1.07E-05	8.81E-07	7.96E-06	1.45E-05
1,905	6.68E-07	6.09E-06	1.11E-05	6.43E-07	5.80E-06	1.07E-05	8.81E-07	7.96E-06	1.44E-05
1,906	6.68E-07	6.09E-06	1.11E-05	6.43E-07	5.80E-06	1.07E-05	8.80E-07	7.95E-06	1.44E-05
1,907	6.68E-07	6.09E-06	1.11E-05	6.43E-07	5.80E-06	1.07E-05	8.78E-07	7.95E-06	1.44E-05
1,908	6.68E-07	6.08E-06	1.11E-05	6.42E-07	5.80E-06	1.07E-05	8.77E-07	7.95E-06	1.44E-05
1,909	6.68E-07	6.08E-06	1.11E-05	6.42E-07	5.79E-06	1.07E-05	8.77E-07	7.95E-06	1.44E-05
1,910	6.67E-07	6.08E-06	1.11E-05	6.42E-07	5.79E-06	1.07E-05	8.77E-07	7.94E-06	1.44E-05
1,911	6.67E-07	6.08E-06	1.10E-05	6.42E-07	5.79E-06	1.06E-05	8.77E-07	7.94E-06	1.44E-05
1,912	6.67E-07	6.07E-06	1.10E-05	6.42E-07	5.78E-06	1.06E-05	8.76E-07	7.94E-06	1.44E-05
1,913	6.67E-07	6.07E-06	1.10E-05	6.41E-07	5.78E-06	1.06E-05	8.76E-07	7.93E-06	1.44E-05
1,914	6.67E-07	6.07E-06	1.10E-05	6.40E-07	5.77E-06	1.06E-05	8.76E-07	7.92E-06	1.44E-05
1,915	6.67E-07	6.07E-06	1.10E-05	6.40E-07	5.77E-06	1.06E-05	8.76E-07	7.92E-06	1.44E-05
1,916	6.67E-07	6.07E-06	1.10E-05	6.40E-07	5.76E-06	1.06E-05	8.76E-07	7.92E-06	1.44E-05
1,917	6.67E-07	6.07E-06	1.10E-05	6.40E-07	5.76E-06	1.06E-05	8.76E-07	7.92E-06	1.44E-05
1,918	6.67E-07	6.07E-06	1.10E-05	6.39E-07	5.76E-06	1.06E-05	8.75E-07	7.91E-06	1.44E-05
1,919	6.66E-07	6.06E-06	1.10E-05	6.39E-07	5.76E-06	1.06E-05	8.75E-07	7.91E-06	1.44E-05
1,920	6.66E-07	6.06E-06	1.10E-05	6.39E-07	5.75E-06	1.06E-05	8.75E-07	7.90E-06	1.44E-05
1,921	6.66E-07	6.04E-06	1.10E-05	6.39E-07	5.75E-06	1.06E-05	8.74E-07	7.90E-06	1.44E-05
1,922	6.65E-07	6.04E-06	1.10E-05	6.38E-07	5.74E-06	1.06E-05	8.73E-07	7.89E-06	1.43E-05
1,923	6.65E-07	6.04E-06	1.10E-05	6.37E-07	5.74E-06	1.06E-05	8.73E-07	7.89E-06	1.43E-05
1,924	6.65E-07	6.04E-06	1.10E-05	6.37E-07	5.74E-06	1.06E-05	8.73E-07	7.89E-06	1.43E-05
1,925	6.64E-07	6.04E-06	1.10E-05	6.37E-07	5.74E-06	1.06E-05	8.72E-07	7.88E-06	1.43E-05
1,926	6.64E-07	6.04E-06	1.10E-05	6.36E-07	5.74E-06	1.06E-05	8.71E-07	7.88E-06	1.43E-05
1,927	6.64E-07	6.04E-06	1.10E-05	6.36E-07	5.74E-06	1.06E-05	8.71E-07	7.87E-06	1.43E-05
1,928	6.63E-07	6.03E-06	1.10E-05	6.36E-07	5.74E-06	1.06E-05	8.71E-07	7.87E-06	1.43E-05
1,929	6.63E-07	6.03E-06	1.10E-05	6.36E-07	5.73E-06	1.06E-05	8.71E-07	7.86E-06	1.42E-05
1,930	6.62E-07	6.03E-06	1.10E-05	6.35E-07	5.73E-06	1.06E-05	8.71E-07	7.86E-06	1.42E-05
1,931	6.62E-07	6.03E-06	1.10E-05	6.35E-07	5.73E-06	1.06E-05	8.70E-07	7.85E-06	1.42E-05
1,932	6.62E-07	6.03E-06	1.09E-05	6.35E-07	5.73E-06	1.06E-05	8.70E-07	7.85E-06	1.42E-05
1,933	6.62E-07	6.02E-06	1.09E-05	6.35E-07	5.73E-06	1.06E-05	8.70E-07	7.85E-06	1.42E-05
1,934	6.62E-07	6.01E-06	1.09E-05	6.35E-07	5.72E-06	1.06E-05	8.70E-07	7.85E-06	1.42E-05
1,935	6.62E-07	6.01E-06	1.09E-05	6.35E-07	5.72E-06	1.06E-05	8.70E-07	7.85E-06	1.42E-05
1,936	6.61E-07	6.01E-06	1.09E-05	6.35E-07	5.72E-06	1.05E-05	8.70E-07	7.84E-06	1.42E-05
1,937	6.61E-07	6.00E-06	1.09E-05	6.34E-07	5.72E-06	1.05E-05	8.67E-07	7.84E-06	1.42E-05
1,938	6.61E-07	6.00E-06	1.09E-05	6.34E-07	5.71E-06	1.05E-05	8.67E-07	7.83E-06	1.42E-05
1,939	6.61E-07	5.99E-06	1.09E-05	6.33E-07	5.71E-06	1.05E-05	8.67E-07	7.83E-06	1.42E-05
1,940	6.61E-07	5.99E-06	1.09E-05	6.33E-07	5.71E-06	1.05E-05	8.67E-07	7.83E-06	1.42E-05
1,941	6.61E-07	5.99E-06	1.09E-05	6.32E-07	5.71E-06	1.05E-05	8.66E-07	7.83E-06	1.42E-05
1,942	6.61E-07	5.99E-06	1.09E-05	6.32E-07	5.71E-06	1.05E-05	8.66E-07	7.82E-06	1.42E-05
1,943	6.61E-07	5.99E-06	1.09E-05	6.32E-07	5.71E-06	1.05E-05	8.66E-07	7.81E-06	1.42E-05
1,944	6.61E-07	5.99E-06	1.09E-05	6.32E-07	5.70E-06	1.05E-05	8.65E-07	7.81E-06	1.42E-05
1,945	6.60E-07	5.98E-06	1.09E-05	6.32E-07	5.70E-06	1.05E-05	8.65E-07	7.81E-06	1.42E-05
1,946	6.60E-07	5.98E-06	1.09E-05	6.31E-07	5.70E-06	1.05E-05	8.65E-07	7.81E-06	1.42E-05
1,947	6.60E-07	5.97E-06	1.09E-05	6.31E-07	5.70E-06	1.05E-05	8.64E-07	7.81E-06	1.42E-05
1,948	6.59E-07	5.97E-06	1.09E-05	6.31E-07	5.69E-06	1.05E-05	8.64E-07	7.80E-06	1.42E-05
1,949	6.59E-07	5.97E-06	1.09E-05	6.30E-07	5.69E-06	1.05E-05	8.64E-07	7.79E-06	1.41E-05
1,950	6.59E-07	5.97E-06	1.09E-05	6.30E-07	5.69E-06	1.05E-05	8.64E-07	7.79E-06	1.41E-05
1,951	6.59E-07	5.97E-06	1.09E-05	6.30E-07	5.69E-06	1.05E-05	8.63E-07	7.79E-06	1.41E-05
1,952	6.58E-07	5.96E-06	1.09E-05	6.30E-07	5.68E-06	1.05E-05	8.63E-07	7.79E-06	1.41E-05
1,953	6.58E-07	5.95E-06	1.09E-05	6.30E-07	5.68E-06	1.05E-05	8.63E-07	7.79E-06	1.41E-05
1,954	6.58E-07	5.95E-06	1.09E-05	6.30E-07	5.67E-06	1.05E-05	8.63E-07	7.78E-06	1.41E-05
1,955	6.58E-07	5.95E-06	1.09E-05	6.29E-07	5.67E-06	1.05E-05	8.63E-07	7.78E-06	1.41E-05
1,956	6.58E-07	5.95E-06	1.09E-05	6.29E-07	5.67E-06	1.05E-05	8.62E-07	7.78E-06	1.41E-05
1,957	6.58E-07	5.95E-06	1.09E-05	6.29E-07	5.66E-06	1.05E-05	8.62E-07	7.78E-06	1.41E-05
1,958	6.58E-07	5.94E-06	1.09E-05	6.28E-07	5.66E-06	1.05E-05	8.62E-07	7.78E-06	1.41E-05
1,959	6.58E-07	5.94E-06	1.09E-05	6.28E-07	5.66E-06	1.05E-05	8.59E-07	7.77E-06	1.41E-05
1,960	6.57E-07	5.94E-06	1.09E-05	6.28E-07	5.66E-06	1.05E-05	8.59E-07	7.77E-06	1.41E-05
1,961	6.56E-07	5.93E-06	1.09E-05	6.27E-07	5.66E-06	1.05E-05	8.58E-07	7.77E-06	1.41E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
1,962	6.56E-07	5.93E-06	1.09E-05	6.27E-07	5.65E-06	1.04E-05	8.58E-07	7.77E-06	1.41E-05
1,963	6.56E-07	5.92E-06	1.09E-05	6.27E-07	5.65E-06	1.04E-05	8.58E-07	7.77E-06	1.40E-05
1,964	6.56E-07	5.92E-06	1.09E-05	6.27E-07	5.65E-06	1.04E-05	8.58E-07	7.76E-06	1.40E-05
1,965	6.56E-07	5.92E-06	1.09E-05	6.27E-07	5.64E-06	1.04E-05	8.57E-07	7.76E-06	1.40E-05
1,966	6.56E-07	5.91E-06	1.09E-05	6.27E-07	5.64E-06	1.04E-05	8.57E-07	7.76E-06	1.40E-05
1,967	6.55E-07	5.91E-06	1.09E-05	6.27E-07	5.64E-06	1.04E-05	8.57E-07	7.75E-06	1.40E-05
1,968	6.55E-07	5.91E-06	1.09E-05	6.26E-07	5.64E-06	1.04E-05	8.57E-07	7.75E-06	1.40E-05
1,969	6.55E-07	5.90E-06	1.08E-05	6.26E-07	5.63E-06	1.04E-05	8.56E-07	7.74E-06	1.40E-05
1,970	6.55E-07	5.90E-06	1.08E-05	6.25E-07	5.63E-06	1.04E-05	8.56E-07	7.74E-06	1.40E-05
1,971	6.55E-07	5.90E-06	1.08E-05	6.25E-07	5.63E-06	1.04E-05	8.56E-07	7.74E-06	1.40E-05
1,972	6.54E-07	5.89E-06	1.08E-05	6.25E-07	5.63E-06	1.04E-05	8.55E-07	7.74E-06	1.40E-05
1,973	6.54E-07	5.89E-06	1.08E-05	6.25E-07	5.63E-06	1.04E-05	8.55E-07	7.74E-06	1.40E-05
1,974	6.53E-07	5.89E-06	1.08E-05	6.25E-07	5.63E-06	1.04E-05	8.55E-07	7.74E-06	1.40E-05
1,975	6.53E-07	5.89E-06	1.08E-05	6.24E-07	5.62E-06	1.04E-05	8.55E-07	7.74E-06	1.40E-05
1,976	6.52E-07	5.89E-06	1.08E-05	6.24E-07	5.62E-06	1.04E-05	8.55E-07	7.74E-06	1.40E-05
1,977	6.52E-07	5.89E-06	1.08E-05	6.24E-07	5.62E-06	1.04E-05	8.55E-07	7.73E-06	1.39E-05
1,978	6.52E-07	5.88E-06	1.08E-05	6.24E-07	5.62E-06	1.04E-05	8.54E-07	7.73E-06	1.39E-05
1,979	6.52E-07	5.87E-06	1.08E-05	6.24E-07	5.62E-06	1.04E-05	8.53E-07	7.73E-06	1.39E-05
1,980	6.52E-07	5.86E-06	1.08E-05	6.24E-07	5.61E-06	1.04E-05	8.53E-07	7.73E-06	1.39E-05
1,981	6.52E-07	5.85E-06	1.08E-05	6.23E-07	5.61E-06	1.04E-05	8.53E-07	7.72E-06	1.39E-05
1,982	6.52E-07	5.85E-06	1.08E-05	6.23E-07	5.61E-06	1.04E-05	8.52E-07	7.72E-06	1.39E-05
1,983	6.52E-07	5.84E-06	1.08E-05	6.22E-07	5.61E-06	1.04E-05	8.52E-07	7.71E-06	1.39E-05
1,984	6.52E-07	5.84E-06	1.08E-05	6.22E-07	5.61E-06	1.04E-05	8.52E-07	7.71E-06	1.39E-05
1,985	6.51E-07	5.83E-06	1.08E-05	6.22E-07	5.61E-06	1.03E-05	8.52E-07	7.71E-06	1.39E-05
1,986	6.51E-07	5.83E-06	1.08E-05	6.22E-07	5.61E-06	1.03E-05	8.51E-07	7.71E-06	1.39E-05
1,987	6.51E-07	5.83E-06	1.08E-05	6.21E-07	5.60E-06	1.03E-05	8.51E-07	7.71E-06	1.39E-05
1,988	6.50E-07	5.83E-06	1.08E-05	6.21E-07	5.60E-06	1.03E-05	8.51E-07	7.70E-06	1.39E-05
1,989	6.50E-07	5.83E-06	1.08E-05	6.21E-07	5.60E-06	1.03E-05	8.51E-07	7.69E-06	1.39E-05
1,990	6.49E-07	5.82E-06	1.08E-05	6.20E-07	5.60E-06	1.03E-05	8.51E-07	7.68E-06	1.39E-05
1,991	6.49E-07	5.82E-06	1.08E-05	6.20E-07	5.59E-06	1.03E-05	8.51E-07	7.68E-06	1.39E-05
1,992	6.49E-07	5.82E-06	1.08E-05	6.20E-07	5.59E-06	1.03E-05	8.51E-07	7.68E-06	1.39E-05
1,993	6.49E-07	5.82E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.51E-07	7.67E-06	1.39E-05
1,994	6.49E-07	5.81E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.50E-07	7.67E-06	1.39E-05
1,995	6.49E-07	5.81E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.49E-07	7.67E-06	1.38E-05
1,996	6.48E-07	5.81E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.48E-07	7.65E-06	1.38E-05
1,997	6.48E-07	5.80E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.48E-07	7.65E-06	1.38E-05
1,998	6.48E-07	5.80E-06	1.08E-05	6.19E-07	5.59E-06	1.03E-05	8.47E-07	7.64E-06	1.38E-05
1,999	6.48E-07	5.80E-06	1.07E-05	6.19E-07	5.59E-06	1.03E-05	8.47E-07	7.64E-06	1.38E-05
2,000	6.47E-07	5.80E-06	1.07E-05	6.18E-07	5.58E-06	1.03E-05	8.47E-07	7.63E-06	1.38E-05
2,001	6.47E-07	5.79E-06	1.07E-05	6.18E-07	5.57E-06	1.03E-05	8.46E-07	7.63E-06	1.38E-05
2,002	6.47E-07	5.79E-06	1.07E-05	6.18E-07	5.57E-06	1.03E-05	8.46E-07	7.62E-06	1.38E-05
2,003	6.46E-07	5.78E-06	1.07E-05	6.18E-07	5.57E-06	1.03E-05	8.45E-07	7.61E-06	1.38E-05
2,004	6.46E-07	5.78E-06	1.07E-05	6.17E-07	5.57E-06	1.03E-05	8.44E-07	7.61E-06	1.38E-05
2,005	6.46E-07	5.78E-06	1.07E-05	6.17E-07	5.56E-06	1.03E-05	8.44E-07	7.61E-06	1.38E-05
2,006	6.45E-07	5.78E-06	1.07E-05	6.17E-07	5.56E-06	1.03E-05	8.43E-07	7.61E-06	1.38E-05
2,007	6.45E-07	5.78E-06	1.07E-05	6.17E-07	5.56E-06	1.03E-05	8.43E-07	7.61E-06	1.37E-05
2,008	6.45E-07	5.77E-06	1.07E-05	6.17E-07	5.56E-06	1.03E-05	8.43E-07	7.61E-06	1.37E-05
2,009	6.45E-07	5.76E-06	1.07E-05	6.17E-07	5.56E-06	1.02E-05	8.42E-07	7.61E-06	1.37E-05
2,010	6.44E-07	5.76E-06	1.07E-05	6.17E-07	5.56E-06	1.02E-05	8.42E-07	7.61E-06	1.37E-05
2,011	6.44E-07	5.75E-06	1.07E-05	6.17E-07	5.55E-06	1.02E-05	8.41E-07	7.61E-06	1.37E-05
2,012	6.44E-07	5.75E-06	1.07E-05	6.17E-07	5.55E-06	1.02E-05	8.40E-07	7.60E-06	1.37E-05
2,013	6.43E-07	5.75E-06	1.07E-05	6.17E-07	5.55E-06	1.02E-05	8.40E-07	7.60E-06	1.37E-05
2,014	6.43E-07	5.74E-06	1.07E-05	6.16E-07	5.55E-06	1.02E-05	8.40E-07	7.60E-06	1.37E-05
2,015	6.43E-07	5.74E-06	1.07E-05	6.16E-07	5.55E-06	1.02E-05	8.40E-07	7.60E-06	1.37E-05
2,016	6.43E-07	5.74E-06	1.07E-05	6.16E-07	5.55E-06	1.02E-05	8.40E-07	7.59E-06	1.37E-05
2,017	6.42E-07	5.74E-06	1.07E-05	6.15E-07	5.54E-06	1.02E-05	8.39E-07	7.58E-06	1.37E-05
2,018	6.42E-07	5.74E-06	1.07E-05	6.15E-07	5.54E-06	1.02E-05	8.39E-07	7.58E-06	1.37E-05
2,019	6.42E-07	5.74E-06	1.07E-05	6.15E-07	5.54E-06	1.02E-05	8.38E-07	7.58E-06	1.37E-05
2,020	6.41E-07	5.73E-06	1.07E-05	6.15E-07	5.54E-06	1.02E-05	8.38E-07	7.58E-06	1.37E-05
2,021	6.41E-07	5.73E-06	1.07E-05	6.15E-07	5.54E-06	1.02E-05	8.38E-07	7.58E-06	1.37E-05
2,022	6.41E-07	5.73E-06	1.07E-05	6.14E-07	5.54E-06	1.02E-05	8.37E-07	7.56E-06	1.37E-05
2,023	6.41E-07	5.73E-06	1.07E-05	6.14E-07	5.53E-06	1.02E-05	8.37E-07	7.56E-06	1.37E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,024	6.41E-07	5.72E-06	1.07E-05	6.14E-07	5.53E-06	1.02E-05	8.37E-07	7.56E-06	1.37E-05
2,025	6.41E-07	5.72E-06	1.07E-05	6.13E-07	5.53E-06	1.02E-05	8.37E-07	7.56E-06	1.37E-05
2,026	6.39E-07	5.72E-06	1.07E-05	6.13E-07	5.53E-06	1.02E-05	8.37E-07	7.56E-06	1.37E-05
2,027	6.38E-07	5.72E-06	1.07E-05	6.13E-07	5.52E-06	1.02E-05	8.36E-07	7.55E-06	1.37E-05
2,028	6.38E-07	5.71E-06	1.07E-05	6.13E-07	5.52E-06	1.02E-05	8.36E-07	7.55E-06	1.36E-05
2,029	6.38E-07	5.70E-06	1.06E-05	6.12E-07	5.52E-06	1.02E-05	8.35E-07	7.55E-06	1.36E-05
2,030	6.37E-07	5.70E-06	1.06E-05	6.12E-07	5.52E-06	1.01E-05	8.35E-07	7.55E-06	1.36E-05
2,031	6.37E-07	5.70E-06	1.06E-05	6.12E-07	5.52E-06	1.01E-05	8.35E-07	7.54E-06	1.36E-05
2,032	6.37E-07	5.70E-06	1.06E-05	6.12E-07	5.51E-06	1.01E-05	8.35E-07	7.54E-06	1.36E-05
2,033	6.37E-07	5.70E-06	1.06E-05	6.11E-07	5.51E-06	1.01E-05	8.35E-07	7.54E-06	1.36E-05
2,034	6.36E-07	5.69E-06	1.06E-05	6.11E-07	5.51E-06	1.01E-05	8.34E-07	7.54E-06	1.36E-05
2,035	6.36E-07	5.69E-06	1.06E-05	6.11E-07	5.51E-06	1.01E-05	8.34E-07	7.53E-06	1.36E-05
2,036	6.36E-07	5.68E-06	1.06E-05	6.10E-07	5.51E-06	1.01E-05	8.34E-07	7.53E-06	1.36E-05
2,037	6.36E-07	5.67E-06	1.06E-05	6.10E-07	5.51E-06	1.01E-05	8.34E-07	7.53E-06	1.36E-05
2,038	6.36E-07	5.67E-06	1.06E-05	6.10E-07	5.50E-06	1.01E-05	8.33E-07	7.52E-06	1.36E-05
2,039	6.35E-07	5.66E-06	1.06E-05	6.10E-07	5.50E-06	1.01E-05	8.33E-07	7.52E-06	1.36E-05
2,040	6.35E-07	5.66E-06	1.06E-05	6.09E-07	5.50E-06	1.01E-05	8.33E-07	7.52E-06	1.36E-05
2,041	6.35E-07	5.66E-06	1.06E-05	6.09E-07	5.50E-06	1.01E-05	8.33E-07	7.51E-06	1.36E-05
2,042	6.34E-07	5.66E-06	1.06E-05	6.09E-07	5.50E-06	1.01E-05	8.33E-07	7.50E-06	1.36E-05
2,043	6.34E-07	5.65E-06	1.06E-05	6.09E-07	5.49E-06	1.01E-05	8.32E-07	7.50E-06	1.36E-05
2,044	6.34E-07	5.65E-06	1.06E-05	6.09E-07	5.49E-06	1.01E-05	8.32E-07	7.50E-06	1.35E-05
2,045	6.33E-07	5.65E-06	1.06E-05	6.09E-07	5.48E-06	1.01E-05	8.32E-07	7.50E-06	1.35E-05
2,046	6.33E-07	5.65E-06	1.06E-05	6.08E-07	5.48E-06	1.01E-05	8.32E-07	7.50E-06	1.35E-05
2,047	6.32E-07	5.65E-06	1.06E-05	6.08E-07	5.48E-06	1.01E-05	8.31E-07	7.49E-06	1.35E-05
2,048	6.32E-07	5.64E-06	1.06E-05	6.08E-07	5.48E-06	1.01E-05	8.31E-07	7.49E-06	1.35E-05
2,049	6.31E-07	5.64E-06	1.06E-05	6.08E-07	5.47E-06	1.01E-05	8.31E-07	7.49E-06	1.35E-05
2,050	6.31E-07	5.64E-06	1.06E-05	6.07E-07	5.47E-06	1.00E-05	8.31E-07	7.49E-06	1.35E-05
2,051	6.31E-07	5.64E-06	1.06E-05	6.07E-07	5.46E-06	1.00E-05	8.30E-07	7.49E-06	1.35E-05
2,052	6.30E-07	5.63E-06	1.06E-05	6.07E-07	5.46E-06	1.00E-05	8.30E-07	7.48E-06	1.35E-05
2,053	6.30E-07	5.63E-06	1.06E-05	6.07E-07	5.45E-06	1.00E-05	8.30E-07	7.48E-06	1.35E-05
2,054	6.30E-07	5.63E-06	1.06E-05	6.07E-07	5.45E-06	1.00E-05	8.30E-07	7.47E-06	1.35E-05
2,055	6.30E-07	5.63E-06	1.05E-05	6.07E-07	5.45E-06	1.00E-05	8.30E-07	7.47E-06	1.35E-05
2,056	6.30E-07	5.63E-06	1.05E-05	6.07E-07	5.45E-06	1.00E-05	8.29E-07	7.46E-06	1.35E-05
2,057	6.29E-07	5.62E-06	1.05E-05	6.07E-07	5.44E-06	1.00E-05	8.29E-07	7.46E-06	1.35E-05
2,058	6.29E-07	5.62E-06	1.05E-05	6.06E-07	5.44E-06	1.00E-05	8.29E-07	7.46E-06	1.35E-05
2,059	6.29E-07	5.62E-06	1.05E-05	6.06E-07	5.43E-06	1.00E-05	8.29E-07	7.46E-06	1.35E-05
2,060	6.28E-07	5.62E-06	1.05E-05	6.06E-07	5.43E-06	1.00E-05	8.29E-07	7.46E-06	1.35E-05
2,061	6.27E-07	5.62E-06	1.05E-05	6.06E-07	5.42E-06	1.00E-05	8.29E-07	7.44E-06	1.35E-05
2,062	6.27E-07	5.62E-06	1.05E-05	6.06E-07	5.42E-06	1.00E-05	8.29E-07	7.44E-06	1.35E-05
2,063	6.26E-07	5.62E-06	1.05E-05	6.06E-07	5.42E-06	1.00E-05	8.28E-07	7.44E-06	1.35E-05
2,064	6.26E-07	5.61E-06	1.05E-05	6.06E-07	5.42E-06	1.00E-05	8.28E-07	7.44E-06	1.35E-05
2,065	6.26E-07	5.61E-06	1.05E-05	6.06E-07	5.41E-06	1.00E-05	8.27E-07	7.43E-06	1.35E-05
2,066	6.26E-07	5.61E-06	1.05E-05	6.06E-07	5.41E-06	1.00E-05	8.27E-07	7.42E-06	1.35E-05
2,067	6.25E-07	5.60E-06	1.05E-05	6.05E-07	5.40E-06	9.99E-06	8.26E-07	7.42E-06	1.34E-05
2,068	6.25E-07	5.60E-06	1.05E-05	6.05E-07	5.40E-06	9.99E-06	8.26E-07	7.42E-06	1.34E-05
2,069	6.25E-07	5.60E-06	1.05E-05	6.05E-07	5.40E-06	9.99E-06	8.25E-07	7.42E-06	1.34E-05
2,070	6.25E-07	5.60E-06	1.05E-05	6.05E-07	5.40E-06	9.97E-06	8.24E-07	7.42E-06	1.34E-05
2,071	6.24E-07	5.60E-06	1.05E-05	6.05E-07	5.39E-06	9.96E-06	8.23E-07	7.42E-06	1.34E-05
2,072	6.24E-07	5.59E-06	1.05E-05	6.05E-07	5.39E-06	9.96E-06	8.23E-07	7.41E-06	1.34E-05
2,073	6.24E-07	5.59E-06	1.04E-05	6.04E-07	5.39E-06	9.96E-06	8.22E-07	7.41E-06	1.34E-05
2,074	6.24E-07	5.59E-06	1.04E-05	6.04E-07	5.37E-06	9.95E-06	8.22E-07	7.41E-06	1.34E-05
2,075	6.23E-07	5.59E-06	1.04E-05	6.04E-07	5.37E-06	9.95E-06	8.22E-07	7.40E-06	1.34E-05
2,076	6.23E-07	5.58E-06	1.04E-05	6.04E-07	5.37E-06	9.95E-06	8.21E-07	7.40E-06	1.34E-05
2,077	6.23E-07	5.58E-06	1.04E-05	6.04E-07	5.37E-06	9.95E-06	8.21E-07	7.40E-06	1.34E-05
2,078	6.23E-07	5.58E-06	1.04E-05	6.04E-07	5.37E-06	9.95E-06	8.21E-07	7.40E-06	1.34E-05
2,079	6.23E-07	5.58E-06	1.04E-05	6.03E-07	5.37E-06	9.95E-06	8.20E-07	7.39E-06	1.34E-05
2,080	6.23E-07	5.58E-06	1.04E-05	6.03E-07	5.37E-06	9.95E-06	8.20E-07	7.39E-06	1.34E-05
2,081	6.22E-07	5.58E-06	1.04E-05	6.03E-07	5.37E-06	9.94E-06	8.20E-07	7.39E-06	1.34E-05
2,082	6.22E-07	5.58E-06	1.04E-05	6.03E-07	5.37E-06	9.94E-06	8.20E-07	7.39E-06	1.34E-05
2,083	6.22E-07	5.57E-06	1.04E-05	6.03E-07	5.36E-06	9.94E-06	8.20E-07	7.38E-06	1.34E-05
2,084	6.21E-07	5.57E-06	1.04E-05	6.02E-07	5.36E-06	9.93E-06	8.20E-07	7.37E-06	1.34E-05
2,085	6.21E-07	5.57E-06	1.04E-05	6.02E-07	5.36E-06	9.92E-06	8.19E-07	7.37E-06	1.34E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,086	6.21E-07	5.57E-06	1.04E-05	6.02E-07	5.36E-06	9.92E-06	8.19E-07	7.37E-06	1.34E-05
2,087	6.20E-07	5.57E-06	1.04E-05	6.02E-07	5.35E-06	9.92E-06	8.19E-07	7.37E-06	1.34E-05
2,088	6.20E-07	5.57E-06	1.04E-05	6.02E-07	5.35E-06	9.90E-06	8.19E-07	7.37E-06	1.33E-05
2,089	6.20E-07	5.57E-06	1.04E-05	6.02E-07	5.35E-06	9.90E-06	8.17E-07	7.36E-06	1.33E-05
2,090	6.20E-07	5.56E-06	1.04E-05	6.01E-07	5.35E-06	9.90E-06	8.17E-07	7.36E-06	1.33E-05
2,091	6.20E-07	5.56E-06	1.04E-05	6.01E-07	5.35E-06	9.89E-06	8.17E-07	7.36E-06	1.33E-05
2,092	6.20E-07	5.56E-06	1.04E-05	6.01E-07	5.35E-06	9.89E-06	8.16E-07	7.36E-06	1.33E-05
2,093	6.19E-07	5.56E-06	1.04E-05	6.01E-07	5.35E-06	9.89E-06	8.16E-07	7.36E-06	1.33E-05
2,094	6.19E-07	5.56E-06	1.04E-05	6.00E-07	5.35E-06	9.88E-06	8.16E-07	7.36E-06	1.33E-05
2,095	6.19E-07	5.56E-06	1.04E-05	6.00E-07	5.34E-06	9.87E-06	8.16E-07	7.35E-06	1.33E-05
2,096	6.18E-07	5.55E-06	1.04E-05	6.00E-07	5.34E-06	9.87E-06	8.16E-07	7.35E-06	1.33E-05
2,097	6.18E-07	5.55E-06	1.03E-05	5.99E-07	5.34E-06	9.87E-06	8.16E-07	7.34E-06	1.33E-05
2,098	6.18E-07	5.55E-06	1.03E-05	5.98E-07	5.33E-06	9.87E-06	8.15E-07	7.32E-06	1.33E-05
2,099	6.18E-07	5.55E-06	1.03E-05	5.98E-07	5.33E-06	9.86E-06	8.14E-07	7.31E-06	1.33E-05
2,100	6.18E-07	5.55E-06	1.03E-05	5.98E-07	5.32E-06	9.86E-06	8.14E-07	7.31E-06	1.33E-05
2,101	6.17E-07	5.55E-06	1.03E-05	5.97E-07	5.32E-06	9.86E-06	8.14E-07	7.31E-06	1.32E-05
2,102	6.16E-07	5.54E-06	1.03E-05	5.97E-07	5.31E-06	9.86E-06	8.13E-07	7.30E-06	1.32E-05
2,103	6.16E-07	5.54E-06	1.03E-05	5.97E-07	5.31E-06	9.85E-06	8.13E-07	7.30E-06	1.32E-05
2,104	6.16E-07	5.53E-06	1.03E-05	5.97E-07	5.31E-06	9.85E-06	8.13E-07	7.28E-06	1.32E-05
2,105	6.15E-07	5.53E-06	1.03E-05	5.97E-07	5.31E-06	9.84E-06	8.13E-07	7.28E-06	1.32E-05
2,106	6.15E-07	5.53E-06	1.03E-05	5.97E-07	5.30E-06	9.84E-06	8.13E-07	7.27E-06	1.32E-05
2,107	6.15E-07	5.53E-06	1.03E-05	5.96E-07	5.30E-06	9.82E-06	8.13E-07	7.27E-06	1.32E-05
2,108	6.15E-07	5.53E-06	1.03E-05	5.96E-07	5.30E-06	9.82E-06	8.13E-07	7.26E-06	1.32E-05
2,109	6.14E-07	5.52E-06	1.03E-05	5.96E-07	5.30E-06	9.81E-06	8.11E-07	7.25E-06	1.32E-05
2,110	6.14E-07	5.52E-06	1.03E-05	5.96E-07	5.30E-06	9.81E-06	8.10E-07	7.25E-06	1.32E-05
2,111	6.14E-07	5.52E-06	1.03E-05	5.95E-07	5.30E-06	9.81E-06	8.10E-07	7.24E-06	1.32E-05
2,112	6.14E-07	5.52E-06	1.03E-05	5.95E-07	5.29E-06	9.81E-06	8.09E-07	7.24E-06	1.32E-05
2,113	6.14E-07	5.52E-06	1.03E-05	5.95E-07	5.29E-06	9.80E-06	8.09E-07	7.24E-06	1.32E-05
2,114	6.14E-07	5.51E-06	1.03E-05	5.94E-07	5.29E-06	9.80E-06	8.09E-07	7.23E-06	1.32E-05
2,115	6.14E-07	5.51E-06	1.03E-05	5.94E-07	5.29E-06	9.79E-06	8.09E-07	7.23E-06	1.32E-05
2,116	6.13E-07	5.51E-06	1.03E-05	5.94E-07	5.29E-06	9.79E-06	8.09E-07	7.23E-06	1.32E-05
2,117	6.13E-07	5.51E-06	1.02E-05	5.94E-07	5.29E-06	9.78E-06	8.09E-07	7.22E-06	1.32E-05
2,118	6.13E-07	5.51E-06	1.02E-05	5.94E-07	5.28E-06	9.78E-06	8.08E-07	7.22E-06	1.32E-05
2,119	6.13E-07	5.51E-06	1.02E-05	5.94E-07	5.28E-06	9.78E-06	8.08E-07	7.22E-06	1.32E-05
2,120	6.13E-07	5.51E-06	1.02E-05	5.94E-07	5.28E-06	9.77E-06	8.07E-07	7.22E-06	1.32E-05
2,121	6.12E-07	5.50E-06	1.02E-05	5.92E-07	5.28E-06	9.77E-06	8.07E-07	7.21E-06	1.32E-05
2,122	6.12E-07	5.50E-06	1.02E-05	5.92E-07	5.28E-06	9.76E-06	8.07E-07	7.21E-06	1.32E-05
2,123	6.12E-07	5.50E-06	1.02E-05	5.92E-07	5.28E-06	9.76E-06	8.07E-07	7.20E-06	1.32E-05
2,124	6.12E-07	5.50E-06	1.02E-05	5.92E-07	5.28E-06	9.76E-06	8.06E-07	7.20E-06	1.32E-05
2,125	6.11E-07	5.49E-06	1.02E-05	5.91E-07	5.27E-06	9.75E-06	8.05E-07	7.19E-06	1.32E-05
2,126	6.11E-07	5.49E-06	1.02E-05	5.91E-07	5.27E-06	9.75E-06	8.05E-07	7.19E-06	1.31E-05
2,127	6.11E-07	5.49E-06	1.02E-05	5.91E-07	5.26E-06	9.75E-06	8.05E-07	7.18E-06	1.31E-05
2,128	6.10E-07	5.48E-06	1.02E-05	5.91E-07	5.26E-06	9.74E-06	8.05E-07	7.18E-06	1.31E-05
2,129	6.10E-07	5.48E-06	1.02E-05	5.91E-07	5.26E-06	9.74E-06	8.05E-07	7.17E-06	1.31E-05
2,130	6.10E-07	5.48E-06	1.02E-05	5.91E-07	5.25E-06	9.74E-06	8.04E-07	7.17E-06	1.31E-05
2,131	6.10E-07	5.48E-06	1.02E-05	5.91E-07	5.25E-06	9.73E-06	8.03E-07	7.17E-06	1.31E-05
2,132	6.09E-07	5.48E-06	1.02E-05	5.90E-07	5.24E-06	9.73E-06	8.03E-07	7.17E-06	1.31E-05
2,133	6.09E-07	5.48E-06	1.02E-05	5.90E-07	5.24E-06	9.72E-06	8.03E-07	7.16E-06	1.31E-05
2,134	6.09E-07	5.47E-06	1.02E-05	5.90E-07	5.24E-06	9.72E-06	8.02E-07	7.16E-06	1.31E-05
2,135	6.09E-07	5.47E-06	1.02E-05	5.90E-07	5.24E-06	9.71E-06	8.02E-07	7.15E-06	1.31E-05
2,136	6.08E-07	5.47E-06	1.02E-05	5.90E-07	5.23E-06	9.71E-06	8.01E-07	7.14E-06	1.31E-05
2,137	6.08E-07	5.47E-06	1.02E-05	5.89E-07	5.23E-06	9.70E-06	8.01E-07	7.13E-06	1.31E-05
2,138	6.08E-07	5.46E-06	1.02E-05	5.89E-07	5.22E-06	9.70E-06	8.01E-07	7.13E-06	1.30E-05
2,139	6.07E-07	5.45E-06	1.02E-05	5.89E-07	5.22E-06	9.70E-06	8.01E-07	7.13E-06	1.30E-05
2,140	6.07E-07	5.45E-06	1.02E-05	5.89E-07	5.22E-06	9.70E-06	8.01E-07	7.13E-06	1.30E-05
2,141	6.07E-07	5.45E-06	1.02E-05	5.89E-07	5.21E-06	9.69E-06	8.00E-07	7.13E-06	1.30E-05
2,142	6.07E-07	5.45E-06	1.02E-05	5.88E-07	5.21E-06	9.69E-06	8.00E-07	7.13E-06	1.30E-05
2,143	6.07E-07	5.45E-06	1.01E-05	5.88E-07	5.21E-06	9.68E-06	8.00E-07	7.12E-06	1.30E-05
2,144	6.07E-07	5.45E-06	1.01E-05	5.88E-07	5.21E-06	9.68E-06	8.00E-07	7.12E-06	1.30E-05
2,145	6.07E-07	5.45E-06	1.01E-05	5.88E-07	5.21E-06	9.68E-06	7.99E-07	7.11E-06	1.30E-05
2,146	6.07E-07	5.44E-06	1.01E-05	5.87E-07	5.21E-06	9.68E-06	7.99E-07	7.11E-06	1.30E-05
2,147	6.07E-07	5.43E-06	1.01E-05	5.87E-07	5.21E-06	9.68E-06	7.99E-07	7.11E-06	1.30E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,148	6.07E-07	5.43E-06	1.01E-05	5.87E-07	5.20E-06	9.68E-06	7.99E-07	7.11E-06	1.30E-05
2,149	6.07E-07	5.43E-06	1.01E-05	5.87E-07	5.20E-06	9.68E-06	7.98E-07	7.10E-06	1.30E-05
2,150	6.06E-07	5.43E-06	1.01E-05	5.87E-07	5.20E-06	9.66E-06	7.98E-07	7.10E-06	1.30E-05
2,151	6.06E-07	5.43E-06	1.01E-05	5.86E-07	5.20E-06	9.65E-06	7.97E-07	7.09E-06	1.30E-05
2,152	6.06E-07	5.43E-06	1.01E-05	5.86E-07	5.19E-06	9.65E-06	7.97E-07	7.09E-06	1.30E-05
2,153	6.06E-07	5.43E-06	1.01E-05	5.86E-07	5.19E-06	9.64E-06	7.96E-07	7.08E-06	1.30E-05
2,154	6.06E-07	5.42E-06	1.01E-05	5.86E-07	5.18E-06	9.64E-06	7.96E-07	7.08E-06	1.30E-05
2,155	6.05E-07	5.42E-06	1.01E-05	5.85E-07	5.18E-06	9.64E-06	7.96E-07	7.08E-06	1.30E-05
2,156	6.05E-07	5.41E-06	1.01E-05	5.85E-07	5.18E-06	9.64E-06	7.96E-07	7.08E-06	1.30E-05
2,157	6.05E-07	5.41E-06	1.01E-05	5.85E-07	5.18E-06	9.63E-06	7.96E-07	7.08E-06	1.30E-05
2,158	6.04E-07	5.41E-06	1.01E-05	5.85E-07	5.17E-06	9.62E-06	7.95E-07	7.07E-06	1.30E-05
2,159	6.04E-07	5.41E-06	1.01E-05	5.85E-07	5.17E-06	9.62E-06	7.95E-07	7.07E-06	1.30E-05
2,160	6.03E-07	5.40E-06	1.01E-05	5.85E-07	5.17E-06	9.60E-06	7.94E-07	7.06E-06	1.30E-05
2,161	6.03E-07	5.40E-06	1.01E-05	5.85E-07	5.17E-06	9.60E-06	7.94E-07	7.06E-06	1.29E-05
2,162	6.03E-07	5.40E-06	1.01E-05	5.84E-07	5.17E-06	9.60E-06	7.94E-07	7.06E-06	1.29E-05
2,163	6.03E-07	5.40E-06	1.01E-05	5.84E-07	5.17E-06	9.60E-06	7.94E-07	7.06E-06	1.29E-05
2,164	6.03E-07	5.40E-06	1.01E-05	5.84E-07	5.16E-06	9.60E-06	7.94E-07	7.06E-06	1.29E-05
2,165	6.03E-07	5.39E-06	1.00E-05	5.84E-07	5.16E-06	9.59E-06	7.94E-07	7.06E-06	1.29E-05
2,166	6.03E-07	5.39E-06	1.00E-05	5.84E-07	5.16E-06	9.58E-06	7.94E-07	7.06E-06	1.29E-05
2,167	6.03E-07	5.39E-06	1.00E-05	5.83E-07	5.16E-06	9.58E-06	7.93E-07	7.05E-06	1.29E-05
2,168	6.02E-07	5.38E-06	1.00E-05	5.83E-07	5.15E-06	9.58E-06	7.93E-07	7.05E-06	1.29E-05
2,169	6.02E-07	5.38E-06	1.00E-05	5.83E-07	5.15E-06	9.58E-06	7.93E-07	7.05E-06	1.29E-05
2,170	6.02E-07	5.38E-06	1.00E-05	5.83E-07	5.15E-06	9.57E-06	7.91E-07	7.05E-06	1.29E-05
2,171	6.02E-07	5.38E-06	1.00E-05	5.83E-07	5.15E-06	9.57E-06	7.91E-07	7.05E-06	1.29E-05
2,172	6.02E-07	5.38E-06	1.00E-05	5.83E-07	5.15E-06	9.57E-06	7.90E-07	7.05E-06	1.29E-05
2,173	6.01E-07	5.37E-06	1.00E-05	5.82E-07	5.15E-06	9.56E-06	7.90E-07	7.05E-06	1.29E-05
2,174	6.01E-07	5.37E-06	1.00E-05	5.82E-07	5.14E-06	9.56E-06	7.90E-07	7.05E-06	1.29E-05
2,175	6.01E-07	5.37E-06	9.99E-06	5.82E-07	5.14E-06	9.55E-06	7.90E-07	7.03E-06	1.29E-05
2,176	6.01E-07	5.36E-06	9.97E-06	5.82E-07	5.14E-06	9.55E-06	7.90E-07	7.03E-06	1.29E-05
2,177	6.01E-07	5.36E-06	9.97E-06	5.82E-07	5.14E-06	9.55E-06	7.90E-07	7.03E-06	1.29E-05
2,178	6.00E-07	5.36E-06	9.96E-06	5.81E-07	5.13E-06	9.54E-06	7.90E-07	7.03E-06	1.28E-05
2,179	6.00E-07	5.35E-06	9.96E-06	5.81E-07	5.13E-06	9.54E-06	7.89E-07	7.03E-06	1.28E-05
2,180	6.00E-07	5.35E-06	9.95E-06	5.81E-07	5.13E-06	9.54E-06	7.89E-07	7.02E-06	1.28E-05
2,181	6.00E-07	5.35E-06	9.95E-06	5.81E-07	5.13E-06	9.54E-06	7.89E-07	7.02E-06	1.28E-05
2,182	6.00E-07	5.35E-06	9.94E-06	5.80E-07	5.12E-06	9.54E-06	7.89E-07	7.01E-06	1.28E-05
2,183	5.99E-07	5.34E-06	9.93E-06	5.80E-07	5.12E-06	9.54E-06	7.89E-07	7.01E-06	1.28E-05
2,184	5.99E-07	5.34E-06	9.92E-06	5.79E-07	5.12E-06	9.53E-06	7.89E-07	7.01E-06	1.28E-05
2,185	5.99E-07	5.34E-06	9.92E-06	5.79E-07	5.12E-06	9.53E-06	7.89E-07	7.01E-06	1.28E-05
2,186	5.99E-07	5.33E-06	9.92E-06	5.79E-07	5.12E-06	9.53E-06	7.88E-07	7.01E-06	1.28E-05
2,187	5.99E-07	5.33E-06	9.91E-06	5.79E-07	5.11E-06	9.53E-06	7.88E-07	7.01E-06	1.28E-05
2,188	5.99E-07	5.33E-06	9.91E-06	5.79E-07	5.11E-06	9.52E-06	7.88E-07	7.00E-06	1.28E-05
2,189	5.98E-07	5.32E-06	9.90E-06	5.79E-07	5.11E-06	9.52E-06	7.88E-07	7.00E-06	1.28E-05
2,190	5.97E-07	5.32E-06	9.90E-06	5.79E-07	5.11E-06	9.52E-06	7.87E-07	7.00E-06	1.28E-05
2,191	5.97E-07	5.32E-06	9.90E-06	5.79E-07	5.11E-06	9.52E-06	7.86E-07	7.00E-06	1.28E-05
2,192	5.97E-07	5.32E-06	9.90E-06	5.79E-07	5.11E-06	9.51E-06	7.86E-07	6.99E-06	1.28E-05
2,193	5.97E-07	5.32E-06	9.90E-06	5.79E-07	5.11E-06	9.51E-06	7.86E-07	6.99E-06	1.28E-05
2,194	5.97E-07	5.31E-06	9.90E-06	5.78E-07	5.11E-06	9.51E-06	7.86E-07	6.98E-06	1.28E-05
2,195	5.97E-07	5.31E-06	9.90E-06	5.78E-07	5.11E-06	9.51E-06	7.85E-07	6.98E-06	1.28E-05
2,196	5.97E-07	5.31E-06	9.89E-06	5.78E-07	5.11E-06	9.51E-06	7.85E-07	6.98E-06	1.28E-05
2,197	5.96E-07	5.31E-06	9.89E-06	5.78E-07	5.10E-06	9.51E-06	7.84E-07	6.97E-06	1.28E-05
2,198	5.96E-07	5.30E-06	9.89E-06	5.77E-07	5.10E-06	9.50E-06	7.84E-07	6.97E-06	1.28E-05
2,199	5.95E-07	5.30E-06	9.89E-06	5.77E-07	5.10E-06	9.50E-06	7.84E-07	6.96E-06	1.28E-05
2,200	5.95E-07	5.29E-06	9.88E-06	5.77E-07	5.09E-06	9.49E-06	7.84E-07	6.96E-06	1.27E-05
2,201	5.95E-07	5.29E-06	9.88E-06	5.77E-07	5.09E-06	9.49E-06	7.83E-07	6.96E-06	1.27E-05
2,202	5.95E-07	5.29E-06	9.87E-06	5.76E-07	5.09E-06	9.48E-06	7.83E-07	6.95E-06	1.27E-05
2,203	5.94E-07	5.28E-06	9.86E-06	5.76E-07	5.09E-06	9.48E-06	7.83E-07	6.95E-06	1.27E-05
2,204	5.94E-07	5.28E-06	9.86E-06	5.76E-07	5.09E-06	9.48E-06	7.83E-07	6.95E-06	1.27E-05
2,205	5.93E-07	5.28E-06	9.86E-06	5.76E-07	5.09E-06	9.47E-06	7.83E-07	6.95E-06	1.27E-05
2,206	5.93E-07	5.28E-06	9.86E-06	5.75E-07	5.08E-06	9.47E-06	7.82E-07	6.94E-06	1.27E-05
2,207	5.93E-07	5.28E-06	9.85E-06	5.75E-07	5.08E-06	9.46E-06	7.82E-07	6.94E-06	1.27E-05
2,208	5.93E-07	5.28E-06	9.85E-06	5.75E-07	5.08E-06	9.46E-06	7.81E-07	6.94E-06	1.27E-05
2,209	5.93E-07	5.27E-06	9.85E-06	5.75E-07	5.08E-06	9.46E-06	7.81E-07	6.94E-06	1.27E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,210	5.93E-07	5.27E-06	9.85E-06	5.75E-07	5.07E-06	9.46E-06	7.81E-07	6.94E-06	1.27E-05
2,211	5.92E-07	5.27E-06	9.85E-06	5.74E-07	5.07E-06	9.46E-06	7.81E-07	6.93E-06	1.27E-05
2,212	5.92E-07	5.27E-06	9.85E-06	5.74E-07	5.07E-06	9.46E-06	7.81E-07	6.93E-06	1.27E-05
2,213	5.92E-07	5.26E-06	9.85E-06	5.74E-07	5.06E-06	9.46E-06	7.80E-07	6.93E-06	1.27E-05
2,214	5.92E-07	5.26E-06	9.85E-06	5.74E-07	5.06E-06	9.45E-06	7.80E-07	6.92E-06	1.27E-05
2,215	5.91E-07	5.25E-06	9.84E-06	5.73E-07	5.06E-06	9.45E-06	7.80E-07	6.92E-06	1.27E-05
2,216	5.91E-07	5.25E-06	9.84E-06	5.73E-07	5.06E-06	9.45E-06	7.79E-07	6.92E-06	1.27E-05
2,217	5.91E-07	5.25E-06	9.84E-06	5.73E-07	5.06E-06	9.45E-06	7.78E-07	6.92E-06	1.27E-05
2,218	5.91E-07	5.25E-06	9.84E-06	5.73E-07	5.06E-06	9.45E-06	7.78E-07	6.91E-06	1.27E-05
2,219	5.91E-07	5.24E-06	9.84E-06	5.73E-07	5.06E-06	9.45E-06	7.78E-07	6.91E-06	1.27E-05
2,220	5.91E-07	5.24E-06	9.84E-06	5.73E-07	5.06E-06	9.44E-06	7.77E-07	6.90E-06	1.27E-05
2,221	5.90E-07	5.24E-06	9.83E-06	5.73E-07	5.05E-06	9.44E-06	7.77E-07	6.90E-06	1.27E-05
2,222	5.90E-07	5.24E-06	9.83E-06	5.72E-07	5.05E-06	9.43E-06	7.77E-07	6.89E-06	1.27E-05
2,223	5.90E-07	5.24E-06	9.82E-06	5.72E-07	5.05E-06	9.42E-06	7.77E-07	6.89E-06	1.27E-05
2,224	5.90E-07	5.23E-06	9.82E-06	5.72E-07	5.05E-06	9.41E-06	7.77E-07	6.89E-06	1.27E-05
2,225	5.90E-07	5.23E-06	9.82E-06	5.72E-07	5.05E-06	9.40E-06	7.77E-07	6.89E-06	1.27E-05
2,226	5.90E-07	5.23E-06	9.82E-06	5.72E-07	5.05E-06	9.40E-06	7.76E-07	6.89E-06	1.27E-05
2,227	5.89E-07	5.23E-06	9.81E-06	5.71E-07	5.04E-06	9.40E-06	7.76E-07	6.89E-06	1.26E-05
2,228	5.89E-07	5.23E-06	9.81E-06	5.71E-07	5.04E-06	9.40E-06	7.76E-07	6.89E-06	1.26E-05
2,229	5.89E-07	5.22E-06	9.80E-06	5.71E-07	5.04E-06	9.39E-06	7.75E-07	6.88E-06	1.26E-05
2,230	5.89E-07	5.22E-06	9.80E-06	5.71E-07	5.04E-06	9.39E-06	7.75E-07	6.88E-06	1.26E-05
2,231	5.89E-07	5.22E-06	9.80E-06	5.71E-07	5.04E-06	9.39E-06	7.74E-07	6.88E-06	1.26E-05
2,232	5.89E-07	5.22E-06	9.80E-06	5.71E-07	5.04E-06	9.38E-06	7.74E-07	6.88E-06	1.26E-05
2,233	5.89E-07	5.22E-06	9.80E-06	5.71E-07	5.04E-06	9.38E-06	7.74E-07	6.87E-06	1.26E-05
2,234	5.89E-07	5.21E-06	9.79E-06	5.71E-07	5.04E-06	9.37E-06	7.73E-07	6.87E-06	1.26E-05
2,235	5.88E-07	5.21E-06	9.79E-06	5.71E-07	5.04E-06	9.37E-06	7.73E-07	6.87E-06	1.26E-05
2,236	5.88E-07	5.21E-06	9.79E-06	5.71E-07	5.04E-06	9.37E-06	7.71E-07	6.86E-06	1.26E-05
2,237	5.87E-07	5.21E-06	9.78E-06	5.70E-07	5.03E-06	9.36E-06	7.71E-07	6.85E-06	1.26E-05
2,238	5.87E-07	5.20E-06	9.78E-06	5.69E-07	5.03E-06	9.36E-06	7.71E-07	6.85E-06	1.26E-05
2,239	5.87E-07	5.20E-06	9.78E-06	5.69E-07	5.03E-06	9.36E-06	7.71E-07	6.85E-06	1.26E-05
2,240	5.87E-07	5.20E-06	9.78E-06	5.69E-07	5.03E-06	9.36E-06	7.71E-07	6.85E-06	1.26E-05
2,241	5.87E-07	5.20E-06	9.77E-06	5.69E-07	5.03E-06	9.36E-06	7.70E-07	6.84E-06	1.26E-05
2,242	5.86E-07	5.20E-06	9.77E-06	5.69E-07	5.02E-06	9.36E-06	7.70E-07	6.84E-06	1.26E-05
2,243	5.86E-07	5.20E-06	9.77E-06	5.68E-07	5.02E-06	9.35E-06	7.70E-07	6.84E-06	1.26E-05
2,244	5.86E-07	5.20E-06	9.77E-06	5.68E-07	5.02E-06	9.35E-06	7.70E-07	6.83E-06	1.26E-05
2,245	5.86E-07	5.19E-06	9.77E-06	5.68E-07	5.02E-06	9.35E-06	7.69E-07	6.83E-06	1.26E-05
2,246	5.86E-07	5.19E-06	9.77E-06	5.67E-07	5.02E-06	9.35E-06	7.69E-07	6.83E-06	1.26E-05
2,247	5.86E-07	5.19E-06	9.77E-06	5.67E-07	5.02E-06	9.34E-06	7.69E-07	6.82E-06	1.25E-05
2,248	5.85E-07	5.19E-06	9.76E-06	5.67E-07	5.01E-06	9.34E-06	7.69E-07	6.82E-06	1.25E-05
2,249	5.85E-07	5.19E-06	9.76E-06	5.67E-07	5.01E-06	9.34E-06	7.69E-07	6.82E-06	1.25E-05
2,250	5.85E-07	5.18E-06	9.75E-06	5.67E-07	5.01E-06	9.34E-06	7.69E-07	6.82E-06	1.25E-05
2,251	5.85E-07	5.18E-06	9.75E-06	5.66E-07	5.01E-06	9.33E-06	7.68E-07	6.81E-06	1.25E-05
2,252	5.85E-07	5.18E-06	9.75E-06	5.66E-07	5.01E-06	9.33E-06	7.68E-07	6.81E-06	1.25E-05
2,253	5.85E-07	5.18E-06	9.75E-06	5.66E-07	5.01E-06	9.32E-06	7.68E-07	6.81E-06	1.25E-05
2,254	5.84E-07	5.18E-06	9.74E-06	5.66E-07	5.00E-06	9.32E-06	7.68E-07	6.81E-06	1.25E-05
2,255	5.84E-07	5.18E-06	9.74E-06	5.66E-07	5.00E-06	9.32E-06	7.68E-07	6.81E-06	1.25E-05
2,256	5.84E-07	5.18E-06	9.73E-06	5.64E-07	5.00E-06	9.32E-06	7.67E-07	6.79E-06	1.25E-05
2,257	5.84E-07	5.17E-06	9.73E-06	5.64E-07	5.00E-06	9.31E-06	7.67E-07	6.79E-06	1.25E-05
2,258	5.84E-07	5.17E-06	9.72E-06	5.64E-07	4.99E-06	9.31E-06	7.67E-07	6.78E-06	1.25E-05
2,259	5.83E-07	5.16E-06	9.72E-06	5.64E-07	4.99E-06	9.30E-06	7.67E-07	6.78E-06	1.25E-05
2,260	5.83E-07	5.16E-06	9.72E-06	5.64E-07	4.99E-06	9.30E-06	7.66E-07	6.78E-06	1.25E-05
2,261	5.83E-07	5.16E-06	9.71E-06	5.63E-07	4.99E-06	9.30E-06	7.66E-07	6.77E-06	1.25E-05
2,262	5.83E-07	5.16E-06	9.71E-06	5.63E-07	4.99E-06	9.29E-06	7.66E-07	6.77E-06	1.25E-05
2,263	5.83E-07	5.15E-06	9.71E-06	5.63E-07	4.99E-06	9.29E-06	7.66E-07	6.77E-06	1.25E-05
2,264	5.83E-07	5.15E-06	9.70E-06	5.63E-07	4.98E-06	9.29E-06	7.66E-07	6.77E-06	1.25E-05
2,265	5.82E-07	5.15E-06	9.70E-06	5.62E-07	4.98E-06	9.29E-06	7.66E-07	6.76E-06	1.25E-05
2,266	5.82E-07	5.15E-06	9.69E-06	5.62E-07	4.98E-06	9.28E-06	7.65E-07	6.76E-06	1.25E-05
2,267	5.82E-07	5.15E-06	9.69E-06	5.62E-07	4.97E-06	9.27E-06	7.65E-07	6.76E-06	1.25E-05
2,268	5.82E-07	5.15E-06	9.69E-06	5.62E-07	4.97E-06	9.27E-06	7.65E-07	6.76E-06	1.25E-05
2,269	5.81E-07	5.15E-06	9.69E-06	5.62E-07	4.97E-06	9.26E-06	7.65E-07	6.75E-06	1.25E-05
2,270	5.81E-07	5.14E-06	9.68E-06	5.62E-07	4.97E-06	9.26E-06	7.64E-07	6.75E-06	1.24E-05
2,271	5.80E-07	5.13E-06	9.68E-06	5.62E-07	4.96E-06	9.26E-06	7.64E-07	6.75E-06	1.24E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,272	5.80E-07	5.13E-06	9.68E-06	5.62E-07	4.96E-06	9.25E-06	7.64E-07	6.74E-06	1.24E-05
2,273	5.80E-07	5.13E-06	9.67E-06	5.62E-07	4.96E-06	9.25E-06	7.64E-07	6.74E-06	1.24E-05
2,274	5.80E-07	5.13E-06	9.67E-06	5.62E-07	4.96E-06	9.25E-06	7.63E-07	6.74E-06	1.24E-05
2,275	5.80E-07	5.13E-06	9.67E-06	5.61E-07	4.95E-06	9.24E-06	7.63E-07	6.74E-06	1.24E-05
2,276	5.80E-07	5.13E-06	9.67E-06	5.61E-07	4.95E-06	9.24E-06	7.63E-07	6.74E-06	1.24E-05
2,277	5.80E-07	5.12E-06	9.67E-06	5.61E-07	4.95E-06	9.24E-06	7.62E-07	6.74E-06	1.24E-05
2,278	5.80E-07	5.12E-06	9.66E-06	5.61E-07	4.95E-06	9.23E-06	7.62E-07	6.74E-06	1.24E-05
2,279	5.79E-07	5.12E-06	9.66E-06	5.61E-07	4.95E-06	9.22E-06	7.62E-07	6.73E-06	1.24E-05
2,280	5.79E-07	5.12E-06	9.66E-06	5.61E-07	4.95E-06	9.22E-06	7.62E-07	6.73E-06	1.24E-05
2,281	5.79E-07	5.12E-06	9.65E-06	5.61E-07	4.95E-06	9.22E-06	7.61E-07	6.73E-06	1.24E-05
2,282	5.79E-07	5.12E-06	9.64E-06	5.60E-07	4.94E-06	9.22E-06	7.61E-07	6.73E-06	1.24E-05
2,283	5.79E-07	5.12E-06	9.64E-06	5.60E-07	4.94E-06	9.21E-06	7.61E-07	6.73E-06	1.24E-05
2,284	5.79E-07	5.12E-06	9.64E-06	5.60E-07	4.94E-06	9.20E-06	7.61E-07	6.72E-06	1.24E-05
2,285	5.79E-07	5.11E-06	9.64E-06	5.60E-07	4.94E-06	9.20E-06	7.60E-07	6.72E-06	1.24E-05
2,286	5.79E-07	5.11E-06	9.63E-06	5.60E-07	4.94E-06	9.19E-06	7.59E-07	6.71E-06	1.24E-05
2,287	5.79E-07	5.11E-06	9.63E-06	5.59E-07	4.94E-06	9.19E-06	7.58E-07	6.71E-06	1.24E-05
2,288	5.79E-07	5.11E-06	9.63E-06	5.59E-07	4.93E-06	9.19E-06	7.58E-07	6.71E-06	1.24E-05
2,289	5.78E-07	5.11E-06	9.63E-06	5.59E-07	4.93E-06	9.19E-06	7.58E-07	6.71E-06	1.24E-05
2,290	5.78E-07	5.11E-06	9.62E-06	5.58E-07	4.93E-06	9.19E-06	7.58E-07	6.70E-06	1.24E-05
2,291	5.78E-07	5.11E-06	9.61E-06	5.58E-07	4.92E-06	9.18E-06	7.57E-07	6.70E-06	1.24E-05
2,292	5.78E-07	5.10E-06	9.61E-06	5.58E-07	4.92E-06	9.18E-06	7.57E-07	6.70E-06	1.23E-05
2,293	5.77E-07	5.10E-06	9.60E-06	5.58E-07	4.91E-06	9.17E-06	7.57E-07	6.70E-06	1.23E-05
2,294	5.77E-07	5.10E-06	9.60E-06	5.58E-07	4.91E-06	9.16E-06	7.56E-07	6.69E-06	1.23E-05
2,295	5.77E-07	5.10E-06	9.60E-06	5.58E-07	4.91E-06	9.16E-06	7.56E-07	6.69E-06	1.23E-05
2,296	5.76E-07	5.10E-06	9.60E-06	5.58E-07	4.91E-06	9.15E-06	7.56E-07	6.69E-06	1.23E-05
2,297	5.76E-07	5.09E-06	9.60E-06	5.57E-07	4.91E-06	9.15E-06	7.56E-07	6.69E-06	1.23E-05
2,298	5.76E-07	5.09E-06	9.59E-06	5.57E-07	4.91E-06	9.15E-06	7.56E-07	6.69E-06	1.23E-05
2,299	5.76E-07	5.09E-06	9.59E-06	5.57E-07	4.91E-06	9.14E-06	7.55E-07	6.68E-06	1.23E-05
2,300	5.75E-07	5.09E-06	9.59E-06	5.57E-07	4.90E-06	9.14E-06	7.55E-07	6.68E-06	1.23E-05
2,301	5.75E-07	5.09E-06	9.59E-06	5.57E-07	4.90E-06	9.14E-06	7.55E-07	6.67E-06	1.23E-05
2,302	5.75E-07	5.08E-06	9.59E-06	5.57E-07	4.90E-06	9.13E-06	7.55E-07	6.67E-06	1.23E-05
2,303	5.75E-07	5.08E-06	9.59E-06	5.57E-07	4.90E-06	9.13E-06	7.55E-07	6.67E-06	1.23E-05
2,304	5.75E-07	5.08E-06	9.58E-06	5.56E-07	4.89E-06	9.13E-06	7.55E-07	6.67E-06	1.23E-05
2,305	5.75E-07	5.08E-06	9.58E-06	5.56E-07	4.89E-06	9.12E-06	7.54E-07	6.67E-06	1.23E-05
2,306	5.75E-07	5.08E-06	9.57E-06	5.56E-07	4.88E-06	9.12E-06	7.54E-07	6.66E-06	1.23E-05
2,307	5.74E-07	5.08E-06	9.57E-06	5.56E-07	4.88E-06	9.12E-06	7.53E-07	6.66E-06	1.23E-05
2,308	5.74E-07	5.08E-06	9.57E-06	5.56E-07	4.88E-06	9.12E-06	7.53E-07	6.65E-06	1.23E-05
2,309	5.74E-07	5.08E-06	9.56E-06	5.56E-07	4.88E-06	9.11E-06	7.53E-07	6.65E-06	1.23E-05
2,310	5.74E-07	5.07E-06	9.56E-06	5.56E-07	4.88E-06	9.11E-06	7.52E-07	6.65E-06	1.23E-05
2,311	5.74E-07	5.07E-06	9.55E-06	5.55E-07	4.87E-06	9.10E-06	7.52E-07	6.65E-06	1.23E-05
2,312	5.73E-07	5.07E-06	9.54E-06	5.55E-07	4.87E-06	9.09E-06	7.52E-07	6.63E-06	1.23E-05
2,313	5.73E-07	5.07E-06	9.54E-06	5.55E-07	4.87E-06	9.09E-06	7.52E-07	6.63E-06	1.23E-05
2,314	5.73E-07	5.07E-06	9.54E-06	5.55E-07	4.87E-06	9.09E-06	7.51E-07	6.63E-06	1.23E-05
2,315	5.73E-07	5.07E-06	9.54E-06	5.55E-07	4.87E-06	9.09E-06	7.50E-07	6.63E-06	1.23E-05
2,316	5.73E-07	5.07E-06	9.53E-06	5.55E-07	4.87E-06	9.08E-06	7.50E-07	6.63E-06	1.23E-05
2,317	5.73E-07	5.06E-06	9.53E-06	5.55E-07	4.87E-06	9.08E-06	7.49E-07	6.62E-06	1.23E-05
2,318	5.73E-07	5.06E-06	9.53E-06	5.55E-07	4.87E-06	9.08E-06	7.49E-07	6.62E-06	1.23E-05
2,319	5.72E-07	5.06E-06	9.53E-06	5.55E-07	4.86E-06	9.08E-06	7.49E-07	6.61E-06	1.23E-05
2,320	5.72E-07	5.06E-06	9.52E-06	5.54E-07	4.86E-06	9.07E-06	7.49E-07	6.61E-06	1.22E-05
2,321	5.72E-07	5.05E-06	9.52E-06	5.53E-07	4.86E-06	9.07E-06	7.48E-07	6.61E-06	1.22E-05
2,322	5.72E-07	5.05E-06	9.51E-06	5.53E-07	4.85E-06	9.06E-06	7.48E-07	6.61E-06	1.22E-05
2,323	5.72E-07	5.05E-06	9.49E-06	5.53E-07	4.85E-06	9.06E-06	7.48E-07	6.61E-06	1.22E-05
2,324	5.72E-07	5.05E-06	9.49E-06	5.52E-07	4.85E-06	9.06E-06	7.48E-07	6.61E-06	1.22E-05
2,325	5.72E-07	5.05E-06	9.47E-06	5.52E-07	4.85E-06	9.06E-06	7.48E-07	6.60E-06	1.22E-05
2,326	5.71E-07	5.05E-06	9.47E-06	5.52E-07	4.85E-06	9.06E-06	7.48E-07	6.60E-06	1.22E-05
2,327	5.71E-07	5.05E-06	9.46E-06	5.52E-07	4.85E-06	9.06E-06	7.48E-07	6.60E-06	1.22E-05
2,328	5.71E-07	5.04E-06	9.45E-06	5.52E-07	4.85E-06	9.05E-06	7.47E-07	6.60E-06	1.22E-05
2,329	5.71E-07	5.04E-06	9.44E-06	5.51E-07	4.85E-06	9.05E-06	7.47E-07	6.59E-06	1.22E-05
2,330	5.71E-07	5.04E-06	9.44E-06	5.51E-07	4.85E-06	9.04E-06	7.47E-07	6.59E-06	1.22E-05
2,331	5.71E-07	5.04E-06	9.44E-06	5.51E-07	4.85E-06	9.03E-06	7.46E-07	6.58E-06	1.22E-05
2,332	5.71E-07	5.04E-06	9.44E-06	5.50E-07	4.85E-06	9.02E-06	7.46E-07	6.58E-06	1.22E-05
2,333	5.71E-07	5.04E-06	9.43E-06	5.50E-07	4.85E-06	9.02E-06	7.46E-07	6.58E-06	1.22E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,334	5.71E-07	5.03E-06	9.42E-06	5.50E-07	4.84E-06	9.01E-06	7.46E-07	6.58E-06	1.22E-05
2,335	5.71E-07	5.03E-06	9.42E-06	5.50E-07	4.83E-06	9.01E-06	7.45E-07	6.58E-06	1.22E-05
2,336	5.70E-07	5.02E-06	9.41E-06	5.50E-07	4.83E-06	9.01E-06	7.45E-07	6.58E-06	1.22E-05
2,337	5.70E-07	5.02E-06	9.41E-06	5.50E-07	4.83E-06	9.00E-06	7.45E-07	6.58E-06	1.22E-05
2,338	5.70E-07	5.02E-06	9.41E-06	5.49E-07	4.83E-06	9.00E-06	7.44E-07	6.57E-06	1.22E-05
2,339	5.70E-07	5.02E-06	9.40E-06	5.48E-07	4.83E-06	9.00E-06	7.44E-07	6.57E-06	1.22E-05
2,340	5.70E-07	5.01E-06	9.40E-06	5.48E-07	4.82E-06	8.99E-06	7.43E-07	6.57E-06	1.22E-05
2,341	5.70E-07	5.01E-06	9.40E-06	5.47E-07	4.82E-06	8.99E-06	7.43E-07	6.57E-06	1.22E-05
2,342	5.69E-07	5.00E-06	9.40E-06	5.47E-07	4.82E-06	8.99E-06	7.42E-07	6.56E-06	1.22E-05
2,343	5.69E-07	5.00E-06	9.40E-06	5.47E-07	4.82E-06	8.98E-06	7.42E-07	6.56E-06	1.22E-05
2,344	5.68E-07	5.00E-06	9.40E-06	5.47E-07	4.82E-06	8.98E-06	7.42E-07	6.56E-06	1.22E-05
2,345	5.68E-07	5.00E-06	9.39E-06	5.47E-07	4.81E-06	8.98E-06	7.42E-07	6.56E-06	1.22E-05
2,346	5.68E-07	5.00E-06	9.39E-06	5.46E-07	4.81E-06	8.98E-06	7.41E-07	6.56E-06	1.21E-05
2,347	5.67E-07	4.99E-06	9.39E-06	5.46E-07	4.81E-06	8.98E-06	7.41E-07	6.55E-06	1.21E-05
2,348	5.67E-07	4.99E-06	9.38E-06	5.46E-07	4.81E-06	8.98E-06	7.41E-07	6.55E-06	1.21E-05
2,349	5.67E-07	4.99E-06	9.38E-06	5.46E-07	4.80E-06	8.97E-06	7.41E-07	6.55E-06	1.21E-05
2,350	5.66E-07	4.99E-06	9.38E-06	5.46E-07	4.80E-06	8.97E-06	7.41E-07	6.54E-06	1.21E-05
2,351	5.66E-07	4.99E-06	9.38E-06	5.45E-07	4.80E-06	8.97E-06	7.41E-07	6.54E-06	1.21E-05
2,352	5.66E-07	4.98E-06	9.37E-06	5.45E-07	4.80E-06	8.97E-06	7.41E-07	6.54E-06	1.21E-05
2,353	5.66E-07	4.98E-06	9.37E-06	5.45E-07	4.80E-06	8.97E-06	7.40E-07	6.54E-06	1.21E-05
2,354	5.66E-07	4.98E-06	9.37E-06	5.43E-07	4.80E-06	8.97E-06	7.40E-07	6.54E-06	1.21E-05
2,355	5.65E-07	4.98E-06	9.36E-06	5.43E-07	4.80E-06	8.97E-06	7.40E-07	6.54E-06	1.21E-05
2,356	5.65E-07	4.98E-06	9.36E-06	5.43E-07	4.80E-06	8.96E-06	7.39E-07	6.53E-06	1.21E-05
2,357	5.65E-07	4.98E-06	9.36E-06	5.43E-07	4.79E-06	8.96E-06	7.39E-07	6.53E-06	1.21E-05
2,358	5.65E-07	4.97E-06	9.35E-06	5.43E-07	4.79E-06	8.96E-06	7.38E-07	6.53E-06	1.21E-05
2,359	5.65E-07	4.97E-06	9.35E-06	5.43E-07	4.79E-06	8.96E-06	7.37E-07	6.52E-06	1.21E-05
2,360	5.65E-07	4.97E-06	9.35E-06	5.42E-07	4.79E-06	8.95E-06	7.37E-07	6.52E-06	1.21E-05
2,361	5.65E-07	4.97E-06	9.34E-06	5.42E-07	4.79E-06	8.95E-06	7.37E-07	6.52E-06	1.21E-05
2,362	5.64E-07	4.97E-06	9.33E-06	5.41E-07	4.79E-06	8.95E-06	7.37E-07	6.50E-06	1.21E-05
2,363	5.64E-07	4.97E-06	9.32E-06	5.41E-07	4.79E-06	8.95E-06	7.37E-07	6.49E-06	1.21E-05
2,364	5.64E-07	4.97E-06	9.32E-06	5.40E-07	4.78E-06	8.95E-06	7.37E-07	6.49E-06	1.21E-05
2,365	5.64E-07	4.96E-06	9.32E-06	5.40E-07	4.78E-06	8.94E-06	7.37E-07	6.49E-06	1.21E-05
2,366	5.64E-07	4.96E-06	9.31E-06	5.40E-07	4.78E-06	8.94E-06	7.37E-07	6.48E-06	1.21E-05
2,367	5.64E-07	4.96E-06	9.30E-06	5.40E-07	4.78E-06	8.94E-06	7.36E-07	6.48E-06	1.21E-05
2,368	5.64E-07	4.96E-06	9.30E-06	5.40E-07	4.78E-06	8.93E-06	7.36E-07	6.48E-06	1.21E-05
2,369	5.64E-07	4.96E-06	9.30E-06	5.39E-07	4.78E-06	8.93E-06	7.36E-07	6.48E-06	1.21E-05
2,370	5.63E-07	4.96E-06	9.29E-06	5.39E-07	4.78E-06	8.93E-06	7.36E-07	6.48E-06	1.20E-05
2,371	5.63E-07	4.96E-06	9.28E-06	5.39E-07	4.77E-06	8.93E-06	7.35E-07	6.47E-06	1.20E-05
2,372	5.62E-07	4.95E-06	9.28E-06	5.39E-07	4.77E-06	8.92E-06	7.35E-07	6.47E-06	1.20E-05
2,373	5.62E-07	4.95E-06	9.27E-06	5.39E-07	4.77E-06	8.92E-06	7.35E-07	6.47E-06	1.20E-05
2,374	5.62E-07	4.95E-06	9.27E-06	5.39E-07	4.76E-06	8.92E-06	7.35E-07	6.47E-06	1.20E-05
2,375	5.62E-07	4.94E-06	9.27E-06	5.38E-07	4.76E-06	8.91E-06	7.35E-07	6.47E-06	1.20E-05
2,376	5.62E-07	4.94E-06	9.27E-06	5.38E-07	4.76E-06	8.91E-06	7.34E-07	6.47E-06	1.20E-05
2,377	5.61E-07	4.94E-06	9.26E-06	5.38E-07	4.75E-06	8.91E-06	7.34E-07	6.47E-06	1.20E-05
2,378	5.61E-07	4.94E-06	9.25E-06	5.38E-07	4.75E-06	8.89E-06	7.33E-07	6.46E-06	1.20E-05
2,379	5.61E-07	4.93E-06	9.25E-06	5.38E-07	4.75E-06	8.88E-06	7.33E-07	6.46E-06	1.20E-05
2,380	5.61E-07	4.93E-06	9.25E-06	5.37E-07	4.75E-06	8.88E-06	7.33E-07	6.46E-06	1.20E-05
2,381	5.61E-07	4.93E-06	9.25E-06	5.37E-07	4.74E-06	8.88E-06	7.33E-07	6.46E-06	1.20E-05
2,382	5.61E-07	4.93E-06	9.25E-06	5.37E-07	4.74E-06	8.87E-06	7.33E-07	6.46E-06	1.20E-05
2,383	5.61E-07	4.93E-06	9.23E-06	5.37E-07	4.74E-06	8.87E-06	7.33E-07	6.45E-06	1.20E-05
2,384	5.60E-07	4.92E-06	9.23E-06	5.37E-07	4.74E-06	8.87E-06	7.32E-07	6.45E-06	1.20E-05
2,385	5.60E-07	4.92E-06	9.23E-06	5.37E-07	4.74E-06	8.87E-06	7.32E-07	6.44E-06	1.20E-05
2,386	5.60E-07	4.92E-06	9.23E-06	5.37E-07	4.73E-06	8.86E-06	7.31E-07	6.44E-06	1.20E-05
2,387	5.60E-07	4.92E-06	9.22E-06	5.36E-07	4.73E-06	8.86E-06	7.31E-07	6.44E-06	1.20E-05
2,388	5.60E-07	4.92E-06	9.22E-06	5.36E-07	4.73E-06	8.85E-06	7.30E-07	6.43E-06	1.20E-05
2,389	5.60E-07	4.92E-06	9.22E-06	5.36E-07	4.73E-06	8.85E-06	7.29E-07	6.42E-06	1.20E-05
2,390	5.60E-07	4.91E-06	9.21E-06	5.36E-07	4.73E-06	8.85E-06	7.29E-07	6.42E-06	1.20E-05
2,391	5.59E-07	4.90E-06	9.21E-06	5.36E-07	4.73E-06	8.85E-06	7.29E-07	6.42E-06	1.20E-05
2,392	5.59E-07	4.90E-06	9.21E-06	5.36E-07	4.73E-06	8.84E-06	7.28E-07	6.42E-06	1.20E-05
2,393	5.59E-07	4.90E-06	9.21E-06	5.35E-07	4.72E-06	8.84E-06	7.28E-07	6.41E-06	1.20E-05
2,394	5.58E-07	4.90E-06	9.20E-06	5.35E-07	4.72E-06	8.83E-06	7.28E-07	6.41E-06	1.20E-05
2,395	5.58E-07	4.90E-06	9.20E-06	5.35E-07	4.72E-06	8.83E-06	7.27E-07	6.41E-06	1.19E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,396	5.58E-07	4.89E-06	9.19E-06	5.35E-07	4.72E-06	8.83E-06	7.27E-07	6.41E-06	1.19E-05
2,397	5.58E-07	4.89E-06	9.19E-06	5.35E-07	4.72E-06	8.82E-06	7.27E-07	6.41E-06	1.19E-05
2,398	5.58E-07	4.89E-06	9.19E-06	5.34E-07	4.72E-06	8.82E-06	7.27E-07	6.41E-06	1.19E-05
2,399	5.58E-07	4.89E-06	9.19E-06	5.34E-07	4.71E-06	8.81E-06	7.26E-07	6.40E-06	1.19E-05
2,400	5.57E-07	4.89E-06	9.18E-06	5.34E-07	4.71E-06	8.80E-06	7.24E-07	6.40E-06	1.19E-05
2,401	5.57E-07	4.89E-06	9.18E-06	5.34E-07	4.71E-06	8.80E-06	7.24E-07	6.40E-06	1.19E-05
2,402	5.57E-07	4.89E-06	9.18E-06	5.34E-07	4.71E-06	8.80E-06	7.24E-07	6.39E-06	1.19E-05
2,403	5.57E-07	4.89E-06	9.17E-06	5.34E-07	4.71E-06	8.80E-06	7.23E-07	6.39E-06	1.19E-05
2,404	5.57E-07	4.89E-06	9.16E-06	5.34E-07	4.71E-06	8.79E-06	7.23E-07	6.39E-06	1.19E-05
2,405	5.57E-07	4.88E-06	9.16E-06	5.34E-07	4.71E-06	8.79E-06	7.22E-07	6.39E-06	1.19E-05
2,406	5.57E-07	4.88E-06	9.16E-06	5.33E-07	4.70E-06	8.78E-06	7.22E-07	6.39E-06	1.19E-05
2,407	5.56E-07	4.88E-06	9.16E-06	5.33E-07	4.70E-06	8.78E-06	7.22E-07	6.39E-06	1.19E-05
2,408	5.56E-07	4.88E-06	9.15E-06	5.33E-07	4.70E-06	8.78E-06	7.20E-07	6.39E-06	1.19E-05
2,409	5.56E-07	4.88E-06	9.15E-06	5.33E-07	4.70E-06	8.78E-06	7.20E-07	6.38E-06	1.19E-05
2,410	5.56E-07	4.88E-06	9.15E-06	5.33E-07	4.69E-06	8.77E-06	7.19E-07	6.38E-06	1.18E-05
2,411	5.56E-07	4.87E-06	9.15E-06	5.32E-07	4.69E-06	8.77E-06	7.19E-07	6.38E-06	1.18E-05
2,412	5.55E-07	4.87E-06	9.15E-06	5.32E-07	4.69E-06	8.76E-06	7.19E-07	6.38E-06	1.18E-05
2,413	5.55E-07	4.87E-06	9.14E-06	5.32E-07	4.69E-06	8.76E-06	7.19E-07	6.38E-06	1.18E-05
2,414	5.55E-07	4.87E-06	9.14E-06	5.32E-07	4.69E-06	8.76E-06	7.19E-07	6.37E-06	1.18E-05
2,415	5.55E-07	4.87E-06	9.14E-06	5.31E-07	4.69E-06	8.76E-06	7.19E-07	6.37E-06	1.18E-05
2,416	5.55E-07	4.86E-06	9.13E-06	5.31E-07	4.68E-06	8.76E-06	7.18E-07	6.37E-06	1.18E-05
2,417	5.55E-07	4.86E-06	9.13E-06	5.31E-07	4.68E-06	8.76E-06	7.18E-07	6.37E-06	1.18E-05
2,418	5.55E-07	4.86E-06	9.13E-06	5.31E-07	4.68E-06	8.76E-06	7.17E-07	6.37E-06	1.18E-05
2,419	5.54E-07	4.86E-06	9.12E-06	5.31E-07	4.68E-06	8.76E-06	7.17E-07	6.36E-06	1.18E-05
2,420	5.54E-07	4.86E-06	9.12E-06	5.31E-07	4.68E-06	8.76E-06	7.17E-07	6.36E-06	1.18E-05
2,421	5.54E-07	4.86E-06	9.12E-06	5.31E-07	4.68E-06	8.75E-06	7.17E-07	6.35E-06	1.18E-05
2,422	5.53E-07	4.86E-06	9.12E-06	5.31E-07	4.67E-06	8.75E-06	7.17E-07	6.35E-06	1.18E-05
2,423	5.53E-07	4.85E-06	9.11E-06	5.31E-07	4.67E-06	8.75E-06	7.17E-07	6.35E-06	1.18E-05
2,424	5.53E-07	4.85E-06	9.11E-06	5.31E-07	4.67E-06	8.74E-06	7.17E-07	6.35E-06	1.18E-05
2,425	5.53E-07	4.85E-06	9.11E-06	5.30E-07	4.67E-06	8.74E-06	7.16E-07	6.35E-06	1.18E-05
2,426	5.53E-07	4.85E-06	9.10E-06	5.30E-07	4.66E-06	8.74E-06	7.16E-07	6.34E-06	1.18E-05
2,427	5.53E-07	4.85E-06	9.09E-06	5.30E-07	4.66E-06	8.74E-06	7.16E-07	6.34E-06	1.18E-05
2,428	5.52E-07	4.85E-06	9.09E-06	5.30E-07	4.65E-06	8.74E-06	7.16E-07	6.34E-06	1.18E-05
2,429	5.52E-07	4.85E-06	9.09E-06	5.30E-07	4.65E-06	8.73E-06	7.16E-07	6.33E-06	1.18E-05
2,430	5.52E-07	4.85E-06	9.08E-06	5.30E-07	4.65E-06	8.73E-06	7.15E-07	6.33E-06	1.18E-05
2,431	5.52E-07	4.85E-06	9.08E-06	5.30E-07	4.65E-06	8.73E-06	7.15E-07	6.33E-06	1.18E-05
2,432	5.52E-07	4.84E-06	9.08E-06	5.29E-07	4.65E-06	8.72E-06	7.15E-07	6.33E-06	1.18E-05
2,433	5.52E-07	4.83E-06	9.08E-06	5.29E-07	4.64E-06	8.72E-06	7.15E-07	6.33E-06	1.18E-05
2,434	5.51E-07	4.83E-06	9.08E-06	5.29E-07	4.64E-06	8.72E-06	7.15E-07	6.33E-06	1.18E-05
2,435	5.50E-07	4.83E-06	9.07E-06	5.29E-07	4.64E-06	8.71E-06	7.15E-07	6.32E-06	1.17E-05
2,436	5.50E-07	4.83E-06	9.07E-06	5.29E-07	4.64E-06	8.71E-06	7.14E-07	6.31E-06	1.17E-05
2,437	5.50E-07	4.83E-06	9.06E-06	5.28E-07	4.64E-06	8.71E-06	7.14E-07	6.31E-06	1.17E-05
2,438	5.50E-07	4.83E-06	9.06E-06	5.28E-07	4.63E-06	8.71E-06	7.14E-07	6.30E-06	1.17E-05
2,439	5.50E-07	4.83E-06	9.06E-06	5.28E-07	4.63E-06	8.70E-06	7.14E-07	6.30E-06	1.17E-05
2,440	5.50E-07	4.82E-06	9.06E-06	5.28E-07	4.63E-06	8.70E-06	7.14E-07	6.29E-06	1.17E-05
2,441	5.49E-07	4.82E-06	9.06E-06	5.28E-07	4.62E-06	8.70E-06	7.13E-07	6.29E-06	1.17E-05
2,442	5.49E-07	4.82E-06	9.05E-06	5.27E-07	4.62E-06	8.69E-06	7.13E-07	6.29E-06	1.17E-05
2,443	5.49E-07	4.82E-06	9.04E-06	5.27E-07	4.62E-06	8.68E-06	7.12E-07	6.29E-06	1.17E-05
2,444	5.49E-07	4.81E-06	9.03E-06	5.27E-07	4.62E-06	8.68E-06	7.12E-07	6.29E-06	1.17E-05
2,445	5.49E-07	4.81E-06	9.03E-06	5.27E-07	4.62E-06	8.67E-06	7.12E-07	6.29E-06	1.17E-05
2,446	5.48E-07	4.81E-06	9.03E-06	5.26E-07	4.62E-06	8.67E-06	7.12E-07	6.29E-06	1.17E-05
2,447	5.48E-07	4.81E-06	9.02E-06	5.26E-07	4.61E-06	8.67E-06	7.12E-07	6.28E-06	1.17E-05
2,448	5.48E-07	4.80E-06	9.02E-06	5.26E-07	4.61E-06	8.67E-06	7.11E-07	6.28E-06	1.17E-05
2,449	5.48E-07	4.80E-06	9.01E-06	5.26E-07	4.61E-06	8.67E-06	7.11E-07	6.28E-06	1.17E-05
2,450	5.47E-07	4.80E-06	9.01E-06	5.25E-07	4.61E-06	8.67E-06	7.11E-07	6.28E-06	1.17E-05
2,451	5.47E-07	4.80E-06	9.01E-06	5.25E-07	4.61E-06	8.66E-06	7.11E-07	6.28E-06	1.17E-05
2,452	5.47E-07	4.80E-06	9.01E-06	5.25E-07	4.61E-06	8.66E-06	7.11E-07	6.27E-06	1.17E-05
2,453	5.47E-07	4.80E-06	9.01E-06	5.25E-07	4.61E-06	8.66E-06	7.11E-07	6.27E-06	1.17E-05
2,454	5.46E-07	4.79E-06	9.00E-06	5.25E-07	4.60E-06	8.66E-06	7.11E-07	6.27E-06	1.17E-05
2,455	5.46E-07	4.79E-06	9.00E-06	5.25E-07	4.60E-06	8.65E-06	7.10E-07	6.27E-06	1.16E-05
2,456	5.46E-07	4.79E-06	8.99E-06	5.25E-07	4.60E-06	8.65E-06	7.10E-07	6.27E-06	1.16E-05
2,457	5.46E-07	4.79E-06	8.99E-06	5.25E-07	4.60E-06	8.65E-06	7.10E-07	6.26E-06	1.16E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,458	5.45E-07	4.79E-06	8.99E-06	5.25E-07	4.60E-06	8.65E-06	7.10E-07	6.26E-06	1.16E-05
2,459	5.45E-07	4.79E-06	8.99E-06	5.25E-07	4.59E-06	8.65E-06	7.09E-07	6.26E-06	1.16E-05
2,460	5.45E-07	4.78E-06	8.99E-06	5.25E-07	4.59E-06	8.64E-06	7.09E-07	6.25E-06	1.16E-05
2,461	5.45E-07	4.78E-06	8.98E-06	5.24E-07	4.59E-06	8.63E-06	7.08E-07	6.25E-06	1.16E-05
2,462	5.45E-07	4.78E-06	8.97E-06	5.24E-07	4.59E-06	8.63E-06	7.08E-07	6.25E-06	1.16E-05
2,463	5.44E-07	4.78E-06	8.97E-06	5.24E-07	4.58E-06	8.63E-06	7.08E-07	6.25E-06	1.16E-05
2,464	5.44E-07	4.78E-06	8.97E-06	5.24E-07	4.58E-06	8.63E-06	7.08E-07	6.25E-06	1.16E-05
2,465	5.43E-07	4.78E-06	8.96E-06	5.24E-07	4.58E-06	8.62E-06	7.08E-07	6.25E-06	1.16E-05
2,466	5.43E-07	4.78E-06	8.96E-06	5.23E-07	4.58E-06	8.62E-06	7.07E-07	6.25E-06	1.16E-05
2,467	5.42E-07	4.78E-06	8.96E-06	5.23E-07	4.58E-06	8.61E-06	7.07E-07	6.25E-06	1.16E-05
2,468	5.42E-07	4.78E-06	8.96E-06	5.23E-07	4.58E-06	8.60E-06	7.06E-07	6.25E-06	1.16E-05
2,469	5.42E-07	4.77E-06	8.95E-06	5.23E-07	4.58E-06	8.60E-06	7.05E-07	6.24E-06	1.16E-05
2,470	5.42E-07	4.77E-06	8.95E-06	5.23E-07	4.58E-06	8.60E-06	7.05E-07	6.24E-06	1.16E-05
2,471	5.42E-07	4.76E-06	8.94E-06	5.23E-07	4.58E-06	8.60E-06	7.05E-07	6.24E-06	1.16E-05
2,472	5.42E-07	4.76E-06	8.94E-06	5.23E-07	4.58E-06	8.59E-06	7.05E-07	6.24E-06	1.16E-05
2,473	5.42E-07	4.76E-06	8.93E-06	5.23E-07	4.57E-06	8.59E-06	7.05E-07	6.24E-06	1.16E-05
2,474	5.41E-07	4.76E-06	8.91E-06	5.22E-07	4.57E-06	8.57E-06	7.05E-07	6.24E-06	1.16E-05
2,475	5.41E-07	4.76E-06	8.91E-06	5.22E-07	4.57E-06	8.56E-06	7.04E-07	6.23E-06	1.15E-05
2,476	5.41E-07	4.76E-06	8.91E-06	5.22E-07	4.57E-06	8.56E-06	7.04E-07	6.23E-06	1.15E-05
2,477	5.41E-07	4.76E-06	8.91E-06	5.22E-07	4.57E-06	8.56E-06	7.04E-07	6.23E-06	1.15E-05
2,478	5.40E-07	4.76E-06	8.89E-06	5.22E-07	4.56E-06	8.54E-06	7.03E-07	6.23E-06	1.15E-05
2,479	5.40E-07	4.76E-06	8.89E-06	5.22E-07	4.56E-06	8.54E-06	7.03E-07	6.22E-06	1.15E-05
2,480	5.40E-07	4.76E-06	8.89E-06	5.21E-07	4.56E-06	8.54E-06	7.03E-07	6.22E-06	1.15E-05
2,481	5.39E-07	4.76E-06	8.89E-06	5.21E-07	4.55E-06	8.54E-06	7.03E-07	6.22E-06	1.15E-05
2,482	5.39E-07	4.75E-06	8.88E-06	5.21E-07	4.55E-06	8.54E-06	7.02E-07	6.22E-06	1.15E-05
2,483	5.39E-07	4.75E-06	8.88E-06	5.21E-07	4.55E-06	8.53E-06	7.02E-07	6.22E-06	1.15E-05
2,484	5.39E-07	4.75E-06	8.88E-06	5.21E-07	4.55E-06	8.52E-06	7.01E-07	6.21E-06	1.15E-05
2,485	5.39E-07	4.75E-06	8.88E-06	5.20E-07	4.55E-06	8.52E-06	7.01E-07	6.21E-06	1.15E-05
2,486	5.39E-07	4.75E-06	8.88E-06	5.20E-07	4.55E-06	8.50E-06	7.01E-07	6.21E-06	1.15E-05
2,487	5.39E-07	4.74E-06	8.88E-06	5.20E-07	4.55E-06	8.50E-06	7.00E-07	6.20E-06	1.15E-05
2,488	5.38E-07	4.74E-06	8.88E-06	5.20E-07	4.55E-06	8.50E-06	7.00E-07	6.20E-06	1.15E-05
2,489	5.38E-07	4.74E-06	8.88E-06	5.20E-07	4.54E-06	8.50E-06	7.00E-07	6.20E-06	1.15E-05
2,490	5.38E-07	4.73E-06	8.88E-06	5.20E-07	4.54E-06	8.50E-06	7.00E-07	6.19E-06	1.15E-05
2,491	5.38E-07	4.73E-06	8.88E-06	5.20E-07	4.54E-06	8.50E-06	6.99E-07	6.17E-06	1.15E-05
2,492	5.38E-07	4.72E-06	8.88E-06	5.20E-07	4.54E-06	8.49E-06	6.99E-07	6.17E-06	1.15E-05
2,493	5.37E-07	4.72E-06	8.87E-06	5.19E-07	4.54E-06	8.49E-06	6.98E-07	6.17E-06	1.15E-05
2,494	5.37E-07	4.72E-06	8.87E-06	5.19E-07	4.54E-06	8.49E-06	6.98E-07	6.17E-06	1.15E-05
2,495	5.37E-07	4.72E-06	8.87E-06	5.19E-07	4.54E-06	8.49E-06	6.98E-07	6.17E-06	1.15E-05
2,496	5.37E-07	4.72E-06	8.87E-06	5.19E-07	4.54E-06	8.48E-06	6.98E-07	6.17E-06	1.15E-05
2,497	5.37E-07	4.72E-06	8.87E-06	5.19E-07	4.54E-06	8.48E-06	6.98E-07	6.17E-06	1.15E-05
2,498	5.37E-07	4.71E-06	8.87E-06	5.19E-07	4.54E-06	8.48E-06	6.97E-07	6.16E-06	1.15E-05
2,499	5.37E-07	4.71E-06	8.85E-06	5.19E-07	4.53E-06	8.47E-06	6.97E-07	6.16E-06	1.15E-05
2,500	5.37E-07	4.71E-06	8.84E-06	5.18E-07	4.53E-06	8.46E-06	6.97E-07	6.16E-06	1.15E-05
2,501	5.37E-07	4.71E-06	8.84E-06	5.18E-07	4.53E-06	8.46E-06	6.97E-07	6.16E-06	1.15E-05
2,502	5.36E-07	4.71E-06	8.84E-06	5.18E-07	4.53E-06	8.45E-06	6.97E-07	6.16E-06	1.14E-05
2,503	5.36E-07	4.71E-06	8.84E-06	5.17E-07	4.53E-06	8.44E-06	6.97E-07	6.15E-06	1.14E-05
2,504	5.36E-07	4.71E-06	8.84E-06	5.17E-07	4.52E-06	8.44E-06	6.96E-07	6.15E-06	1.14E-05
2,505	5.36E-07	4.71E-06	8.83E-06	5.17E-07	4.52E-06	8.44E-06	6.96E-07	6.15E-06	1.14E-05
2,506	5.36E-07	4.70E-06	8.83E-06	5.17E-07	4.52E-06	8.43E-06	6.96E-07	6.15E-06	1.14E-05
2,507	5.36E-07	4.70E-06	8.83E-06	5.16E-07	4.52E-06	8.43E-06	6.96E-07	6.14E-06	1.14E-05
2,508	5.35E-07	4.70E-06	8.82E-06	5.16E-07	4.51E-06	8.43E-06	6.95E-07	6.14E-06	1.14E-05
2,509	5.35E-07	4.70E-06	8.81E-06	5.16E-07	4.51E-06	8.42E-06	6.95E-07	6.14E-06	1.14E-05
2,510	5.35E-07	4.70E-06	8.81E-06	5.16E-07	4.51E-06	8.42E-06	6.95E-07	6.14E-06	1.14E-05
2,511	5.35E-07	4.70E-06	8.80E-06	5.15E-07	4.51E-06	8.42E-06	6.95E-07	6.14E-06	1.14E-05
2,512	5.35E-07	4.70E-06	8.80E-06	5.15E-07	4.51E-06	8.42E-06	6.95E-07	6.14E-06	1.14E-05
2,513	5.35E-07	4.70E-06	8.80E-06	5.15E-07	4.51E-06	8.42E-06	6.94E-07	6.13E-06	1.14E-05
2,514	5.34E-07	4.70E-06	8.79E-06	5.15E-07	4.51E-06	8.42E-06	6.94E-07	6.13E-06	1.14E-05
2,515	5.34E-07	4.70E-06	8.79E-06	5.15E-07	4.51E-06	8.42E-06	6.93E-07	6.13E-06	1.14E-05
2,516	5.34E-07	4.70E-06	8.78E-06	5.15E-07	4.51E-06	8.41E-06	6.93E-07	6.13E-06	1.14E-05
2,517	5.34E-07	4.69E-06	8.78E-06	5.14E-07	4.50E-06	8.41E-06	6.93E-07	6.13E-06	1.14E-05
2,518	5.34E-07	4.69E-06	8.78E-06	5.14E-07	4.50E-06	8.41E-06	6.92E-07	6.12E-06	1.14E-05
2,519	5.34E-07	4.69E-06	8.78E-06	5.14E-07	4.50E-06	8.41E-06	6.92E-07	6.12E-06	1.14E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,520	5.33E-07	4.69E-06	8.77E-06	5.14E-07	4.50E-06	8.41E-06	6.91E-07	6.12E-06	1.14E-05
2,521	5.33E-07	4.69E-06	8.77E-06	5.14E-07	4.50E-06	8.41E-06	6.91E-07	6.12E-06	1.14E-05
2,522	5.33E-07	4.69E-06	8.77E-06	5.13E-07	4.50E-06	8.41E-06	6.91E-07	6.12E-06	1.14E-05
2,523	5.33E-07	4.69E-06	8.77E-06	5.13E-07	4.50E-06	8.41E-06	6.91E-07	6.11E-06	1.14E-05
2,524	5.33E-07	4.69E-06	8.77E-06	5.13E-07	4.49E-06	8.41E-06	6.91E-07	6.11E-06	1.14E-05
2,525	5.33E-07	4.68E-06	8.77E-06	5.13E-07	4.49E-06	8.41E-06	6.91E-07	6.11E-06	1.14E-05
2,526	5.33E-07	4.68E-06	8.77E-06	5.13E-07	4.48E-06	8.40E-06	6.91E-07	6.11E-06	1.14E-05
2,527	5.33E-07	4.68E-06	8.77E-06	5.12E-07	4.48E-06	8.40E-06	6.91E-07	6.11E-06	1.14E-05
2,528	5.32E-07	4.68E-06	8.76E-06	5.12E-07	4.48E-06	8.40E-06	6.90E-07	6.11E-06	1.14E-05
2,529	5.32E-07	4.68E-06	8.76E-06	5.12E-07	4.48E-06	8.40E-06	6.90E-07	6.10E-06	1.14E-05
2,530	5.32E-07	4.67E-06	8.76E-06	5.12E-07	4.48E-06	8.39E-06	6.90E-07	6.10E-06	1.14E-05
2,531	5.32E-07	4.67E-06	8.75E-06	5.12E-07	4.48E-06	8.39E-06	6.89E-07	6.10E-06	1.14E-05
2,532	5.32E-07	4.67E-06	8.74E-06	5.12E-07	4.48E-06	8.39E-06	6.88E-07	6.09E-06	1.13E-05
2,533	5.31E-07	4.66E-06	8.74E-06	5.12E-07	4.47E-06	8.39E-06	6.88E-07	6.09E-06	1.13E-05
2,534	5.31E-07	4.66E-06	8.73E-06	5.12E-07	4.47E-06	8.38E-06	6.88E-07	6.09E-06	1.13E-05
2,535	5.31E-07	4.66E-06	8.73E-06	5.12E-07	4.47E-06	8.38E-06	6.88E-07	6.09E-06	1.13E-05
2,536	5.31E-07	4.66E-06	8.73E-06	5.12E-07	4.47E-06	8.38E-06	6.88E-07	6.08E-06	1.13E-05
2,537	5.31E-07	4.65E-06	8.73E-06	5.11E-07	4.47E-06	8.38E-06	6.87E-07	6.08E-06	1.13E-05
2,538	5.30E-07	4.65E-06	8.73E-06	5.11E-07	4.47E-06	8.37E-06	6.86E-07	6.08E-06	1.13E-05
2,539	5.30E-07	4.65E-06	8.72E-06	5.11E-07	4.47E-06	8.37E-06	6.86E-07	6.07E-06	1.13E-05
2,540	5.29E-07	4.65E-06	8.72E-06	5.11E-07	4.47E-06	8.37E-06	6.86E-07	6.07E-06	1.13E-05
2,541	5.29E-07	4.65E-06	8.72E-06	5.10E-07	4.46E-06	8.37E-06	6.85E-07	6.07E-06	1.13E-05
2,542	5.29E-07	4.65E-06	8.72E-06	5.10E-07	4.46E-06	8.36E-06	6.85E-07	6.07E-06	1.13E-05
2,543	5.29E-07	4.65E-06	8.72E-06	5.10E-07	4.46E-06	8.36E-06	6.85E-07	6.06E-06	1.13E-05
2,544	5.29E-07	4.65E-06	8.72E-06	5.10E-07	4.46E-06	8.36E-06	6.84E-07	6.06E-06	1.13E-05
2,545	5.28E-07	4.64E-06	8.72E-06	5.10E-07	4.46E-06	8.35E-06	6.84E-07	6.06E-06	1.13E-05
2,546	5.28E-07	4.64E-06	8.71E-06	5.10E-07	4.46E-06	8.35E-06	6.83E-07	6.06E-06	1.13E-05
2,547	5.28E-07	4.64E-06	8.69E-06	5.10E-07	4.46E-06	8.35E-06	6.82E-07	6.06E-06	1.13E-05
2,548	5.28E-07	4.64E-06	8.68E-06	5.09E-07	4.45E-06	8.34E-06	6.82E-07	6.05E-06	1.13E-05
2,549	5.28E-07	4.63E-06	8.68E-06	5.09E-07	4.45E-06	8.34E-06	6.82E-07	6.05E-06	1.13E-05
2,550	5.27E-07	4.63E-06	8.68E-06	5.09E-07	4.45E-06	8.34E-06	6.82E-07	6.05E-06	1.13E-05
2,551	5.27E-07	4.62E-06	8.68E-06	5.09E-07	4.45E-06	8.33E-06	6.82E-07	6.04E-06	1.13E-05
2,552	5.27E-07	4.62E-06	8.67E-06	5.09E-07	4.45E-06	8.31E-06	6.81E-07	6.04E-06	1.12E-05
2,553	5.27E-07	4.62E-06	8.67E-06	5.09E-07	4.44E-06	8.31E-06	6.81E-07	6.04E-06	1.12E-05
2,554	5.27E-07	4.62E-06	8.67E-06	5.08E-07	4.44E-06	8.31E-06	6.81E-07	6.04E-06	1.12E-05
2,555	5.27E-07	4.61E-06	8.67E-06	5.08E-07	4.44E-06	8.31E-06	6.81E-07	6.04E-06	1.12E-05
2,556	5.27E-07	4.61E-06	8.67E-06	5.08E-07	4.44E-06	8.31E-06	6.80E-07	6.04E-06	1.12E-05
2,557	5.26E-07	4.61E-06	8.66E-06	5.08E-07	4.44E-06	8.30E-06	6.79E-07	6.04E-06	1.12E-05
2,558	5.26E-07	4.61E-06	8.66E-06	5.08E-07	4.44E-06	8.28E-06	6.79E-07	6.04E-06	1.12E-05
2,559	5.26E-07	4.61E-06	8.66E-06	5.07E-07	4.44E-06	8.28E-06	6.79E-07	6.04E-06	1.12E-05
2,560	5.26E-07	4.60E-06	8.65E-06	5.07E-07	4.43E-06	8.28E-06	6.79E-07	6.03E-06	1.12E-05
2,561	5.26E-07	4.60E-06	8.63E-06	5.07E-07	4.43E-06	8.28E-06	6.79E-07	6.03E-06	1.12E-05
2,562	5.26E-07	4.60E-06	8.63E-06	5.07E-07	4.43E-06	8.27E-06	6.78E-07	6.03E-06	1.12E-05
2,563	5.25E-07	4.59E-06	8.61E-06	5.07E-07	4.42E-06	8.27E-06	6.77E-07	6.02E-06	1.12E-05
2,564	5.25E-07	4.59E-06	8.61E-06	5.07E-07	4.42E-06	8.27E-06	6.77E-07	6.02E-06	1.12E-05
2,565	5.25E-07	4.59E-06	8.61E-06	5.06E-07	4.42E-06	8.27E-06	6.77E-07	6.02E-06	1.12E-05
2,566	5.25E-07	4.59E-06	8.61E-06	5.06E-07	4.42E-06	8.27E-06	6.77E-07	6.02E-06	1.12E-05
2,567	5.25E-07	4.59E-06	8.60E-06	5.06E-07	4.42E-06	8.26E-06	6.77E-07	6.02E-06	1.12E-05
2,568	5.25E-07	4.58E-06	8.60E-06	5.06E-07	4.42E-06	8.25E-06	6.77E-07	6.02E-06	1.12E-05
2,569	5.25E-07	4.58E-06	8.60E-06	5.06E-07	4.42E-06	8.24E-06	6.77E-07	6.01E-06	1.12E-05
2,570	5.25E-07	4.58E-06	8.59E-06	5.06E-07	4.42E-06	8.24E-06	6.76E-07	6.01E-06	1.12E-05
2,571	5.25E-07	4.57E-06	8.59E-06	5.06E-07	4.42E-06	8.24E-06	6.76E-07	6.01E-06	1.12E-05
2,572	5.25E-07	4.57E-06	8.59E-06	5.06E-07	4.42E-06	8.24E-06	6.75E-07	6.00E-06	1.12E-05
2,573	5.24E-07	4.57E-06	8.59E-06	5.05E-07	4.42E-06	8.23E-06	6.75E-07	6.00E-06	1.12E-05
2,574	5.24E-07	4.57E-06	8.59E-06	5.05E-07	4.41E-06	8.23E-06	6.75E-07	6.00E-06	1.12E-05
2,575	5.24E-07	4.57E-06	8.59E-06	5.05E-07	4.41E-06	8.23E-06	6.75E-07	6.00E-06	1.12E-05
2,576	5.24E-07	4.57E-06	8.59E-06	5.05E-07	4.41E-06	8.23E-06	6.74E-07	6.00E-06	1.12E-05
2,577	5.24E-07	4.57E-06	8.58E-06	5.05E-07	4.41E-06	8.22E-06	6.74E-07	5.99E-06	1.12E-05
2,578	5.24E-07	4.57E-06	8.57E-06	5.04E-07	4.41E-06	8.22E-06	6.74E-07	5.99E-06	1.12E-05
2,579	5.24E-07	4.56E-06	8.57E-06	5.04E-07	4.41E-06	8.22E-06	6.74E-07	5.99E-06	1.11E-05
2,580	5.24E-07	4.56E-06	8.57E-06	5.04E-07	4.41E-06	8.21E-06	6.74E-07	5.99E-06	1.11E-05
2,581	5.23E-07	4.56E-06	8.57E-06	5.04E-07	4.40E-06	8.21E-06	6.74E-07	5.98E-06	1.11E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,582	5.23E-07	4.56E-06	8.57E-06	5.04E-07	4.40E-06	8.21E-06	6.73E-07	5.98E-06	1.11E-05
2,583	5.23E-07	4.56E-06	8.57E-06	5.04E-07	4.40E-06	8.21E-06	6.73E-07	5.98E-06	1.11E-05
2,584	5.22E-07	4.55E-06	8.56E-06	5.04E-07	4.40E-06	8.21E-06	6.73E-07	5.98E-06	1.11E-05
2,585	5.22E-07	4.55E-06	8.56E-06	5.03E-07	4.40E-06	8.20E-06	6.73E-07	5.97E-06	1.11E-05
2,586	5.22E-07	4.55E-06	8.56E-06	5.03E-07	4.40E-06	8.20E-06	6.72E-07	5.97E-06	1.11E-05
2,587	5.22E-07	4.55E-06	8.55E-06	5.03E-07	4.40E-06	8.19E-06	6.72E-07	5.97E-06	1.11E-05
2,588	5.21E-07	4.55E-06	8.55E-06	5.03E-07	4.40E-06	8.19E-06	6.72E-07	5.96E-06	1.11E-05
2,589	5.21E-07	4.55E-06	8.55E-06	5.03E-07	4.40E-06	8.19E-06	6.72E-07	5.96E-06	1.11E-05
2,590	5.21E-07	4.54E-06	8.54E-06	5.03E-07	4.39E-06	8.19E-06	6.71E-07	5.96E-06	1.11E-05
2,591	5.21E-07	4.54E-06	8.54E-06	5.02E-07	4.39E-06	8.18E-06	6.71E-07	5.96E-06	1.11E-05
2,592	5.21E-07	4.54E-06	8.54E-06	5.02E-07	4.39E-06	8.18E-06	6.71E-07	5.95E-06	1.11E-05
2,593	5.21E-07	4.54E-06	8.53E-06	5.02E-07	4.39E-06	8.18E-06	6.71E-07	5.95E-06	1.11E-05
2,594	5.20E-07	4.54E-06	8.53E-06	5.02E-07	4.39E-06	8.18E-06	6.71E-07	5.95E-06	1.11E-05
2,595	5.20E-07	4.54E-06	8.52E-06	5.02E-07	4.39E-06	8.18E-06	6.71E-07	5.94E-06	1.11E-05
2,596	5.20E-07	4.54E-06	8.51E-06	5.02E-07	4.39E-06	8.17E-06	6.71E-07	5.94E-06	1.11E-05
2,597	5.20E-07	4.54E-06	8.51E-06	5.02E-07	4.38E-06	8.17E-06	6.71E-07	5.94E-06	1.11E-05
2,598	5.19E-07	4.53E-06	8.51E-06	5.01E-07	4.38E-06	8.17E-06	6.70E-07	5.94E-06	1.11E-05
2,599	5.19E-07	4.53E-06	8.50E-06	5.01E-07	4.38E-06	8.16E-06	6.69E-07	5.93E-06	1.11E-05
2,600	5.19E-07	4.53E-06	8.50E-06	5.01E-07	4.38E-06	8.16E-06	6.69E-07	5.93E-06	1.11E-05
2,601	5.19E-07	4.53E-06	8.50E-06	5.00E-07	4.37E-06	8.16E-06	6.69E-07	5.93E-06	1.11E-05
2,602	5.19E-07	4.52E-06	8.49E-06	5.00E-07	4.37E-06	8.16E-06	6.69E-07	5.93E-06	1.11E-05
2,603	5.19E-07	4.52E-06	8.49E-06	5.00E-07	4.37E-06	8.15E-06	6.68E-07	5.93E-06	1.11E-05
2,604	5.19E-07	4.52E-06	8.48E-06	5.00E-07	4.37E-06	8.15E-06	6.67E-07	5.93E-06	1.11E-05
2,605	5.18E-07	4.52E-06	8.48E-06	4.99E-07	4.37E-06	8.15E-06	6.67E-07	5.92E-06	1.11E-05
2,606	5.18E-07	4.52E-06	8.47E-06	4.99E-07	4.37E-06	8.15E-06	6.67E-07	5.92E-06	1.11E-05
2,607	5.18E-07	4.51E-06	8.47E-06	4.99E-07	4.37E-06	8.15E-06	6.66E-07	5.91E-06	1.11E-05
2,608	5.18E-07	4.51E-06	8.47E-06	4.98E-07	4.36E-06	8.15E-06	6.66E-07	5.91E-06	1.10E-05
2,609	5.17E-07	4.51E-06	8.46E-06	4.98E-07	4.36E-06	8.14E-06	6.66E-07	5.91E-06	1.10E-05
2,610	5.17E-07	4.51E-06	8.45E-06	4.98E-07	4.36E-06	8.14E-06	6.66E-07	5.91E-06	1.10E-05
2,611	5.17E-07	4.51E-06	8.45E-06	4.98E-07	4.36E-06	8.14E-06	6.66E-07	5.91E-06	1.10E-05
2,612	5.17E-07	4.51E-06	8.45E-06	4.98E-07	4.36E-06	8.13E-06	6.66E-07	5.90E-06	1.10E-05
2,613	5.17E-07	4.50E-06	8.45E-06	4.98E-07	4.36E-06	8.13E-06	6.66E-07	5.90E-06	1.10E-05
2,614	5.16E-07	4.50E-06	8.45E-06	4.98E-07	4.35E-06	8.12E-06	6.66E-07	5.90E-06	1.10E-05
2,615	5.16E-07	4.50E-06	8.44E-06	4.97E-07	4.35E-06	8.12E-06	6.66E-07	5.90E-06	1.10E-05
2,616	5.16E-07	4.50E-06	8.44E-06	4.97E-07	4.35E-06	8.12E-06	6.65E-07	5.90E-06	1.10E-05
2,617	5.16E-07	4.50E-06	8.44E-06	4.97E-07	4.35E-06	8.12E-06	6.65E-07	5.89E-06	1.10E-05
2,618	5.16E-07	4.49E-06	8.44E-06	4.97E-07	4.35E-06	8.12E-06	6.65E-07	5.89E-06	1.10E-05
2,619	5.15E-07	4.49E-06	8.44E-06	4.96E-07	4.35E-06	8.12E-06	6.65E-07	5.89E-06	1.10E-05
2,620	5.15E-07	4.49E-06	8.43E-06	4.96E-07	4.35E-06	8.11E-06	6.65E-07	5.89E-06	1.10E-05
2,621	5.15E-07	4.49E-06	8.43E-06	4.96E-07	4.35E-06	8.11E-06	6.65E-07	5.88E-06	1.10E-05
2,622	5.15E-07	4.49E-06	8.43E-06	4.96E-07	4.35E-06	8.10E-06	6.65E-07	5.88E-06	1.10E-05
2,623	5.15E-07	4.49E-06	8.42E-06	4.96E-07	4.34E-06	8.10E-06	6.64E-07	5.88E-06	1.10E-05
2,624	5.14E-07	4.49E-06	8.42E-06	4.95E-07	4.34E-06	8.10E-06	6.64E-07	5.88E-06	1.10E-05
2,625	5.14E-07	4.49E-06	8.41E-06	4.95E-07	4.34E-06	8.09E-06	6.64E-07	5.87E-06	1.10E-05
2,626	5.14E-07	4.48E-06	8.41E-06	4.95E-07	4.34E-06	8.09E-06	6.64E-07	5.87E-06	1.10E-05
2,627	5.14E-07	4.48E-06	8.41E-06	4.95E-07	4.33E-06	8.09E-06	6.63E-07	5.87E-06	1.10E-05
2,628	5.14E-07	4.48E-06	8.40E-06	4.94E-07	4.33E-06	8.08E-06	6.63E-07	5.87E-06	1.10E-05
2,629	5.13E-07	4.48E-06	8.40E-06	4.94E-07	4.33E-06	8.08E-06	6.62E-07	5.87E-06	1.10E-05
2,630	5.13E-07	4.48E-06	8.40E-06	4.94E-07	4.33E-06	8.07E-06	6.62E-07	5.87E-06	1.10E-05
2,631	5.12E-07	4.48E-06	8.40E-06	4.94E-07	4.33E-06	8.06E-06	6.62E-07	5.87E-06	1.10E-05
2,632	5.12E-07	4.48E-06	8.40E-06	4.94E-07	4.33E-06	8.06E-06	6.62E-07	5.87E-06	1.10E-05
2,633	5.11E-07	4.48E-06	8.39E-06	4.94E-07	4.33E-06	8.06E-06	6.62E-07	5.86E-06	1.10E-05
2,634	5.11E-07	4.48E-06	8.39E-06	4.93E-07	4.33E-06	8.05E-06	6.62E-07	5.86E-06	1.10E-05
2,635	5.11E-07	4.48E-06	8.39E-06	4.93E-07	4.32E-06	8.05E-06	6.62E-07	5.86E-06	1.10E-05
2,636	5.11E-07	4.48E-06	8.39E-06	4.93E-07	4.32E-06	8.05E-06	6.62E-07	5.86E-06	1.10E-05
2,637	5.11E-07	4.47E-06	8.38E-06	4.93E-07	4.32E-06	8.05E-06	6.62E-07	5.86E-06	1.10E-05
2,638	5.10E-07	4.47E-06	8.37E-06	4.93E-07	4.32E-06	8.04E-06	6.61E-07	5.86E-06	1.09E-05
2,639	5.10E-07	4.47E-06	8.37E-06	4.92E-07	4.32E-06	8.04E-06	6.60E-07	5.86E-06	1.09E-05
2,640	5.09E-07	4.47E-06	8.37E-06	4.92E-07	4.32E-06	8.04E-06	6.60E-07	5.85E-06	1.09E-05
2,641	5.09E-07	4.47E-06	8.36E-06	4.92E-07	4.32E-06	8.04E-06	6.60E-07	5.85E-06	1.09E-05
2,642	5.09E-07	4.47E-06	8.35E-06	4.92E-07	4.31E-06	8.04E-06	6.60E-07	5.85E-06	1.09E-05
2,643	5.09E-07	4.46E-06	8.35E-06	4.92E-07	4.31E-06	8.03E-06	6.59E-07	5.85E-06	1.09E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,644	5.09E-07	4.46E-06	8.35E-06	4.92E-07	4.31E-06	8.03E-06	6.59E-07	5.85E-06	1.09E-05
2,645	5.09E-07	4.46E-06	8.35E-06	4.92E-07	4.31E-06	8.02E-06	6.59E-07	5.84E-06	1.09E-05
2,646	5.09E-07	4.46E-06	8.35E-06	4.92E-07	4.31E-06	8.02E-06	6.59E-07	5.84E-06	1.09E-05
2,647	5.08E-07	4.46E-06	8.35E-06	4.92E-07	4.30E-06	8.02E-06	6.59E-07	5.84E-06	1.09E-05
2,648	5.08E-07	4.45E-06	8.35E-06	4.91E-07	4.30E-06	8.01E-06	6.58E-07	5.83E-06	1.09E-05
2,649	5.08E-07	4.45E-06	8.35E-06	4.91E-07	4.30E-06	8.01E-06	6.58E-07	5.83E-06	1.09E-05
2,650	5.08E-07	4.45E-06	8.34E-06	4.91E-07	4.30E-06	8.01E-06	6.58E-07	5.83E-06	1.09E-05
2,651	5.07E-07	4.45E-06	8.34E-06	4.91E-07	4.30E-06	8.01E-06	6.58E-07	5.83E-06	1.09E-05
2,652	5.07E-07	4.45E-06	8.33E-06	4.91E-07	4.30E-06	8.00E-06	6.58E-07	5.83E-06	1.09E-05
2,653	5.07E-07	4.44E-06	8.33E-06	4.91E-07	4.30E-06	8.00E-06	6.58E-07	5.83E-06	1.09E-05
2,654	5.07E-07	4.44E-06	8.33E-06	4.91E-07	4.30E-06	8.00E-06	6.57E-07	5.83E-06	1.09E-05
2,655	5.07E-07	4.44E-06	8.33E-06	4.91E-07	4.30E-06	8.00E-06	6.57E-07	5.82E-06	1.09E-05
2,656	5.07E-07	4.44E-06	8.32E-06	4.91E-07	4.29E-06	8.00E-06	6.57E-07	5.82E-06	1.08E-05
2,657	5.07E-07	4.44E-06	8.32E-06	4.90E-07	4.29E-06	8.00E-06	6.57E-07	5.82E-06	1.08E-05
2,658	5.06E-07	4.44E-06	8.32E-06	4.90E-07	4.29E-06	8.00E-06	6.57E-07	5.82E-06	1.08E-05
2,659	5.06E-07	4.44E-06	8.31E-06	4.90E-07	4.29E-06	7.99E-06	6.56E-07	5.82E-06	1.08E-05
2,660	5.06E-07	4.43E-06	8.31E-06	4.90E-07	4.29E-06	7.99E-06	6.56E-07	5.81E-06	1.08E-05
2,661	5.06E-07	4.43E-06	8.31E-06	4.90E-07	4.29E-06	7.99E-06	6.56E-07	5.81E-06	1.08E-05
2,662	5.06E-07	4.43E-06	8.30E-06	4.90E-07	4.29E-06	7.98E-06	6.55E-07	5.81E-06	1.08E-05
2,663	5.05E-07	4.43E-06	8.30E-06	4.90E-07	4.29E-06	7.98E-06	6.55E-07	5.81E-06	1.08E-05
2,664	5.05E-07	4.43E-06	8.30E-06	4.89E-07	4.29E-06	7.98E-06	6.55E-07	5.81E-06	1.08E-05
2,665	5.05E-07	4.43E-06	8.30E-06	4.89E-07	4.28E-06	7.98E-06	6.54E-07	5.81E-06	1.08E-05
2,666	5.05E-07	4.43E-06	8.29E-06	4.89E-07	4.28E-06	7.98E-06	6.54E-07	5.80E-06	1.08E-05
2,667	5.04E-07	4.43E-06	8.29E-06	4.89E-07	4.28E-06	7.97E-06	6.54E-07	5.80E-06	1.08E-05
2,668	5.04E-07	4.43E-06	8.29E-06	4.89E-07	4.28E-06	7.97E-06	6.54E-07	5.79E-06	1.08E-05
2,669	5.04E-07	4.42E-06	8.29E-06	4.89E-07	4.28E-06	7.97E-06	6.54E-07	5.79E-06	1.08E-05
2,670	5.03E-07	4.42E-06	8.28E-06	4.88E-07	4.27E-06	7.97E-06	6.53E-07	5.79E-06	1.08E-05
2,671	5.03E-07	4.42E-06	8.28E-06	4.88E-07	4.27E-06	7.97E-06	6.53E-07	5.79E-06	1.08E-05
2,672	5.03E-07	4.42E-06	8.27E-06	4.88E-07	4.27E-06	7.96E-06	6.53E-07	5.78E-06	1.08E-05
2,673	5.03E-07	4.42E-06	8.27E-06	4.88E-07	4.27E-06	7.96E-06	6.52E-07	5.78E-06	1.08E-05
2,674	5.03E-07	4.42E-06	8.26E-06	4.87E-07	4.27E-06	7.96E-06	6.52E-07	5.78E-06	1.08E-05
2,675	5.03E-07	4.42E-06	8.26E-06	4.87E-07	4.27E-06	7.96E-06	6.52E-07	5.77E-06	1.08E-05
2,676	5.02E-07	4.42E-06	8.26E-06	4.87E-07	4.26E-06	7.96E-06	6.52E-07	5.77E-06	1.08E-05
2,677	5.02E-07	4.41E-06	8.26E-06	4.87E-07	4.26E-06	7.96E-06	6.51E-07	5.77E-06	1.08E-05
2,678	5.02E-07	4.41E-06	8.25E-06	4.87E-07	4.26E-06	7.95E-06	6.51E-07	5.77E-06	1.07E-05
2,679	5.02E-07	4.41E-06	8.25E-06	4.86E-07	4.26E-06	7.95E-06	6.51E-07	5.77E-06	1.07E-05
2,680	5.02E-07	4.41E-06	8.25E-06	4.86E-07	4.26E-06	7.95E-06	6.50E-07	5.76E-06	1.07E-05
2,681	5.02E-07	4.41E-06	8.24E-06	4.86E-07	4.25E-06	7.94E-06	6.50E-07	5.76E-06	1.07E-05
2,682	5.01E-07	4.41E-06	8.24E-06	4.85E-07	4.25E-06	7.93E-06	6.50E-07	5.76E-06	1.07E-05
2,683	5.01E-07	4.41E-06	8.23E-06	4.85E-07	4.25E-06	7.92E-06	6.49E-07	5.76E-06	1.07E-05
2,684	5.01E-07	4.40E-06	8.23E-06	4.85E-07	4.25E-06	7.92E-06	6.49E-07	5.76E-06	1.07E-05
2,685	5.01E-07	4.40E-06	8.23E-06	4.85E-07	4.25E-06	7.92E-06	6.49E-07	5.76E-06	1.07E-05
2,686	5.01E-07	4.40E-06	8.23E-06	4.85E-07	4.25E-06	7.92E-06	6.49E-07	5.75E-06	1.07E-05
2,687	5.00E-07	4.40E-06	8.22E-06	4.85E-07	4.24E-06	7.92E-06	6.49E-07	5.75E-06	1.07E-05
2,688	5.00E-07	4.40E-06	8.21E-06	4.85E-07	4.24E-06	7.92E-06	6.49E-07	5.75E-06	1.07E-05
2,689	5.00E-07	4.39E-06	8.21E-06	4.85E-07	4.24E-06	7.91E-06	6.48E-07	5.75E-06	1.07E-05
2,690	5.00E-07	4.39E-06	8.21E-06	4.84E-07	4.24E-06	7.91E-06	6.48E-07	5.74E-06	1.07E-05
2,691	5.00E-07	4.39E-06	8.20E-06	4.84E-07	4.24E-06	7.91E-06	6.48E-07	5.74E-06	1.07E-05
2,692	5.00E-07	4.39E-06	8.20E-06	4.84E-07	4.24E-06	7.91E-06	6.48E-07	5.74E-06	1.07E-05
2,693	5.00E-07	4.39E-06	8.20E-06	4.84E-07	4.24E-06	7.90E-06	6.47E-07	5.74E-06	1.07E-05
2,694	4.99E-07	4.39E-06	8.20E-06	4.84E-07	4.24E-06	7.90E-06	6.47E-07	5.73E-06	1.07E-05
2,695	4.99E-07	4.39E-06	8.19E-06	4.84E-07	4.24E-06	7.90E-06	6.47E-07	5.73E-06	1.07E-05
2,696	4.99E-07	4.39E-06	8.19E-06	4.84E-07	4.24E-06	7.90E-06	6.47E-07	5.72E-06	1.07E-05
2,697	4.99E-07	4.38E-06	8.19E-06	4.84E-07	4.23E-06	7.90E-06	6.47E-07	5.72E-06	1.07E-05
2,698	4.99E-07	4.38E-06	8.18E-06	4.84E-07	4.23E-06	7.90E-06	6.47E-07	5.72E-06	1.06E-05
2,699	4.99E-07	4.38E-06	8.18E-06	4.82E-07	4.23E-06	7.90E-06	6.47E-07	5.72E-06	1.06E-05
2,700	4.98E-07	4.38E-06	8.18E-06	4.82E-07	4.23E-06	7.90E-06	6.46E-07	5.72E-06	1.06E-05
2,701	4.98E-07	4.38E-06	8.18E-06	4.82E-07	4.23E-06	7.89E-06	6.46E-07	5.72E-06	1.06E-05
2,702	4.98E-07	4.37E-06	8.18E-06	4.82E-07	4.22E-06	7.89E-06	6.45E-07	5.71E-06	1.06E-05
2,703	4.97E-07	4.37E-06	8.18E-06	4.82E-07	4.22E-06	7.89E-06	6.45E-07	5.70E-06	1.06E-05
2,704	4.97E-07	4.37E-06	8.18E-06	4.82E-07	4.22E-06	7.89E-06	6.45E-07	5.70E-06	1.06E-05
2,705	4.97E-07	4.37E-06	8.17E-06	4.82E-07	4.22E-06	7.89E-06	6.45E-07	5.69E-06	1.06E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,706	4.97E-07	4.37E-06	8.17E-06	4.82E-07	4.22E-06	7.89E-06	6.45E-07	5.69E-06	1.06E-05
2,707	4.97E-07	4.36E-06	8.17E-06	4.81E-07	4.21E-06	7.88E-06	6.44E-07	5.69E-06	1.06E-05
2,708	4.97E-07	4.36E-06	8.17E-06	4.81E-07	4.20E-06	7.88E-06	6.44E-07	5.69E-06	1.06E-05
2,709	4.96E-07	4.35E-06	8.16E-06	4.81E-07	4.20E-06	7.88E-06	6.44E-07	5.69E-06	1.06E-05
2,710	4.96E-07	4.35E-06	8.16E-06	4.81E-07	4.20E-06	7.88E-06	6.44E-07	5.68E-06	1.06E-05
2,711	4.96E-07	4.35E-06	8.15E-06	4.81E-07	4.20E-06	7.88E-06	6.44E-07	5.68E-06	1.06E-05
2,712	4.96E-07	4.35E-06	8.15E-06	4.80E-07	4.20E-06	7.88E-06	6.43E-07	5.68E-06	1.06E-05
2,713	4.96E-07	4.35E-06	8.15E-06	4.80E-07	4.20E-06	7.88E-06	6.43E-07	5.68E-06	1.06E-05
2,714	4.96E-07	4.35E-06	8.15E-06	4.80E-07	4.19E-06	7.87E-06	6.43E-07	5.67E-06	1.06E-05
2,715	4.95E-07	4.34E-06	8.14E-06	4.80E-07	4.19E-06	7.86E-06	6.43E-07	5.67E-06	1.06E-05
2,716	4.95E-07	4.34E-06	8.14E-06	4.80E-07	4.19E-06	7.86E-06	6.43E-07	5.67E-06	1.06E-05
2,717	4.95E-07	4.34E-06	8.14E-06	4.80E-07	4.19E-06	7.86E-06	6.43E-07	5.67E-06	1.06E-05
2,718	4.95E-07	4.34E-06	8.14E-06	4.80E-07	4.19E-06	7.86E-06	6.43E-07	5.67E-06	1.06E-05
2,719	4.95E-07	4.34E-06	8.14E-06	4.80E-07	4.19E-06	7.86E-06	6.43E-07	5.67E-06	1.06E-05
2,720	4.94E-07	4.34E-06	8.13E-06	4.80E-07	4.18E-06	7.86E-06	6.42E-07	5.66E-06	1.06E-05
2,721	4.94E-07	4.34E-06	8.13E-06	4.80E-07	4.18E-06	7.85E-06	6.42E-07	5.66E-06	1.06E-05
2,722	4.94E-07	4.33E-06	8.12E-06	4.80E-07	4.18E-06	7.85E-06	6.42E-07	5.66E-06	1.06E-05
2,723	4.94E-07	4.33E-06	8.12E-06	4.79E-07	4.18E-06	7.85E-06	6.41E-07	5.66E-06	1.05E-05
2,724	4.94E-07	4.33E-06	8.12E-06	4.79E-07	4.18E-06	7.84E-06	6.41E-07	5.66E-06	1.05E-05
2,725	4.93E-07	4.33E-06	8.12E-06	4.79E-07	4.18E-06	7.84E-06	6.41E-07	5.65E-06	1.05E-05
2,726	4.93E-07	4.32E-06	8.11E-06	4.78E-07	4.17E-06	7.84E-06	6.41E-07	5.65E-06	1.05E-05
2,727	4.93E-07	4.32E-06	8.11E-06	4.78E-07	4.17E-06	7.83E-06	6.41E-07	5.65E-06	1.05E-05
2,728	4.93E-07	4.32E-06	8.11E-06	4.78E-07	4.17E-06	7.83E-06	6.40E-07	5.65E-06	1.05E-05
2,729	4.93E-07	4.32E-06	8.10E-06	4.78E-07	4.17E-06	7.83E-06	6.40E-07	5.65E-06	1.05E-05
2,730	4.93E-07	4.32E-06	8.10E-06	4.77E-07	4.17E-06	7.83E-06	6.40E-07	5.65E-06	1.05E-05
2,731	4.92E-07	4.32E-06	8.10E-06	4.77E-07	4.16E-06	7.83E-06	6.39E-07	5.65E-06	1.05E-05
2,732	4.92E-07	4.32E-06	8.10E-06	4.77E-07	4.16E-06	7.83E-06	6.39E-07	5.65E-06	1.05E-05
2,733	4.92E-07	4.32E-06	8.10E-06	4.77E-07	4.16E-06	7.82E-06	6.39E-07	5.64E-06	1.05E-05
2,734	4.92E-07	4.32E-06	8.10E-06	4.77E-07	4.16E-06	7.81E-06	6.39E-07	5.64E-06	1.05E-05
2,735	4.91E-07	4.31E-06	8.09E-06	4.77E-07	4.16E-06	7.81E-06	6.39E-07	5.64E-06	1.05E-05
2,736	4.91E-07	4.31E-06	8.08E-06	4.77E-07	4.16E-06	7.80E-06	6.39E-07	5.64E-06	1.05E-05
2,737	4.91E-07	4.31E-06	8.08E-06	4.77E-07	4.15E-06	7.80E-06	6.39E-07	5.64E-06	1.05E-05
2,738	4.91E-07	4.31E-06	8.08E-06	4.77E-07	4.15E-06	7.80E-06	6.39E-07	5.64E-06	1.05E-05
2,739	4.91E-07	4.31E-06	8.08E-06	4.77E-07	4.15E-06	7.80E-06	6.39E-07	5.64E-06	1.05E-05
2,740	4.91E-07	4.31E-06	8.07E-06	4.76E-07	4.15E-06	7.80E-06	6.39E-07	5.64E-06	1.05E-05
2,741	4.91E-07	4.31E-06	8.07E-06	4.76E-07	4.15E-06	7.79E-06	6.38E-07	5.63E-06	1.05E-05
2,742	4.91E-07	4.30E-06	8.06E-06	4.76E-07	4.14E-06	7.78E-06	6.38E-07	5.63E-06	1.05E-05
2,743	4.91E-07	4.30E-06	8.06E-06	4.75E-07	4.14E-06	7.78E-06	6.38E-07	5.63E-06	1.05E-05
2,744	4.90E-07	4.29E-06	8.06E-06	4.75E-07	4.14E-06	7.78E-06	6.38E-07	5.63E-06	1.05E-05
2,745	4.90E-07	4.29E-06	8.06E-06	4.75E-07	4.14E-06	7.78E-06	6.38E-07	5.63E-06	1.05E-05
2,746	4.90E-07	4.29E-06	8.06E-06	4.75E-07	4.14E-06	7.78E-06	6.37E-07	5.62E-06	1.05E-05
2,747	4.90E-07	4.29E-06	8.05E-06	4.75E-07	4.14E-06	7.78E-06	6.37E-07	5.62E-06	1.05E-05
2,748	4.89E-07	4.29E-06	8.05E-06	4.74E-07	4.14E-06	7.77E-06	6.37E-07	5.62E-06	1.05E-05
2,749	4.89E-07	4.29E-06	8.05E-06	4.74E-07	4.14E-06	7.77E-06	6.37E-07	5.62E-06	1.04E-05
2,750	4.89E-07	4.29E-06	8.05E-06	4.74E-07	4.14E-06	7.76E-06	6.36E-07	5.61E-06	1.04E-05
2,751	4.89E-07	4.29E-06	8.05E-06	4.74E-07	4.14E-06	7.76E-06	6.36E-07	5.61E-06	1.04E-05
2,752	4.89E-07	4.29E-06	8.04E-06	4.74E-07	4.13E-06	7.76E-06	6.36E-07	5.61E-06	1.04E-05
2,753	4.89E-07	4.29E-06	8.04E-06	4.74E-07	4.13E-06	7.76E-06	6.36E-07	5.61E-06	1.04E-05
2,754	4.89E-07	4.29E-06	8.04E-06	4.73E-07	4.13E-06	7.75E-06	6.36E-07	5.60E-06	1.04E-05
2,755	4.89E-07	4.28E-06	8.04E-06	4.73E-07	4.13E-06	7.75E-06	6.35E-07	5.60E-06	1.04E-05
2,756	4.89E-07	4.28E-06	8.04E-06	4.73E-07	4.13E-06	7.75E-06	6.34E-07	5.59E-06	1.04E-05
2,757	4.88E-07	4.27E-06	8.04E-06	4.73E-07	4.12E-06	7.75E-06	6.34E-07	5.59E-06	1.04E-05
2,758	4.88E-07	4.27E-06	8.04E-06	4.73E-07	4.12E-06	7.74E-06	6.34E-07	5.59E-06	1.04E-05
2,759	4.88E-07	4.27E-06	8.04E-06	4.73E-07	4.12E-06	7.74E-06	6.34E-07	5.59E-06	1.04E-05
2,760	4.88E-07	4.27E-06	8.03E-06	4.73E-07	4.12E-06	7.73E-06	6.34E-07	5.59E-06	1.04E-05
2,761	4.88E-07	4.27E-06	8.03E-06	4.73E-07	4.12E-06	7.73E-06	6.34E-07	5.59E-06	1.04E-05
2,762	4.88E-07	4.27E-06	8.03E-06	4.73E-07	4.12E-06	7.72E-06	6.34E-07	5.58E-06	1.04E-05
2,763	4.87E-07	4.27E-06	8.03E-06	4.73E-07	4.11E-06	7.71E-06	6.34E-07	5.58E-06	1.04E-05
2,764	4.87E-07	4.26E-06	8.02E-06	4.73E-07	4.11E-06	7.71E-06	6.33E-07	5.58E-06	1.04E-05
2,765	4.87E-07	4.26E-06	8.02E-06	4.73E-07	4.11E-06	7.71E-06	6.33E-07	5.58E-06	1.04E-05
2,766	4.87E-07	4.26E-06	8.01E-06	4.73E-07	4.11E-06	7.70E-06	6.33E-07	5.58E-06	1.04E-05
2,767	4.87E-07	4.26E-06	8.01E-06	4.72E-07	4.11E-06	7.70E-06	6.32E-07	5.58E-06	1.04E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,768	4.87E-07	4.26E-06	8.01E-06	4.72E-07	4.11E-06	7.70E-06	6.32E-07	5.57E-06	1.04E-05
2,769	4.87E-07	4.26E-06	8.01E-06	4.72E-07	4.11E-06	7.69E-06	6.32E-07	5.57E-06	1.04E-05
2,770	4.86E-07	4.26E-06	8.01E-06	4.72E-07	4.11E-06	7.68E-06	6.32E-07	5.57E-06	1.04E-05
2,771	4.86E-07	4.25E-06	8.00E-06	4.72E-07	4.11E-06	7.68E-06	6.31E-07	5.57E-06	1.04E-05
2,772	4.86E-07	4.25E-06	7.99E-06	4.72E-07	4.11E-06	7.68E-06	6.31E-07	5.56E-06	1.04E-05
2,773	4.86E-07	4.25E-06	7.99E-06	4.72E-07	4.11E-06	7.68E-06	6.31E-07	5.56E-06	1.04E-05
2,774	4.86E-07	4.25E-06	7.98E-06	4.72E-07	4.10E-06	7.68E-06	6.31E-07	5.56E-06	1.04E-05
2,775	4.86E-07	4.25E-06	7.98E-06	4.72E-07	4.10E-06	7.67E-06	6.31E-07	5.56E-06	1.03E-05
2,776	4.86E-07	4.25E-06	7.98E-06	4.72E-07	4.10E-06	7.67E-06	6.31E-07	5.56E-06	1.03E-05
2,777	4.86E-07	4.25E-06	7.98E-06	4.72E-07	4.10E-06	7.67E-06	6.30E-07	5.55E-06	1.03E-05
2,778	4.85E-07	4.25E-06	7.98E-06	4.72E-07	4.10E-06	7.67E-06	6.29E-07	5.55E-06	1.03E-05
2,779	4.85E-07	4.24E-06	7.97E-06	4.71E-07	4.10E-06	7.66E-06	6.29E-07	5.55E-06	1.03E-05
2,780	4.85E-07	4.24E-06	7.97E-06	4.71E-07	4.09E-06	7.66E-06	6.29E-07	5.54E-06	1.03E-05
2,781	4.85E-07	4.24E-06	7.97E-06	4.71E-07	4.09E-06	7.66E-06	6.29E-07	5.54E-06	1.03E-05
2,782	4.85E-07	4.24E-06	7.96E-06	4.71E-07	4.09E-06	7.66E-06	6.28E-07	5.54E-06	1.03E-05
2,783	4.85E-07	4.23E-06	7.96E-06	4.71E-07	4.09E-06	7.66E-06	6.28E-07	5.54E-06	1.03E-05
2,784	4.85E-07	4.23E-06	7.95E-06	4.70E-07	4.08E-06	7.66E-06	6.28E-07	5.53E-06	1.03E-05
2,785	4.84E-07	4.23E-06	7.95E-06	4.70E-07	4.08E-06	7.66E-06	6.27E-07	5.53E-06	1.03E-05
2,786	4.84E-07	4.23E-06	7.95E-06	4.70E-07	4.08E-06	7.66E-06	6.27E-07	5.53E-06	1.03E-05
2,787	4.84E-07	4.23E-06	7.94E-06	4.70E-07	4.08E-06	7.66E-06	6.26E-07	5.53E-06	1.03E-05
2,788	4.84E-07	4.23E-06	7.94E-06	4.70E-07	4.08E-06	7.65E-06	6.26E-07	5.53E-06	1.03E-05
2,789	4.84E-07	4.22E-06	7.94E-06	4.70E-07	4.08E-06	7.65E-06	6.26E-07	5.53E-06	1.03E-05
2,790	4.84E-07	4.22E-06	7.94E-06	4.70E-07	4.07E-06	7.64E-06	6.26E-07	5.53E-06	1.03E-05
2,791	4.84E-07	4.22E-06	7.94E-06	4.70E-07	4.07E-06	7.64E-06	6.26E-07	5.52E-06	1.03E-05
2,792	4.83E-07	4.22E-06	7.93E-06	4.70E-07	4.07E-06	7.63E-06	6.26E-07	5.52E-06	1.03E-05
2,793	4.83E-07	4.22E-06	7.93E-06	4.70E-07	4.07E-06	7.63E-06	6.25E-07	5.52E-06	1.03E-05
2,794	4.83E-07	4.22E-06	7.92E-06	4.70E-07	4.07E-06	7.63E-06	6.25E-07	5.52E-06	1.03E-05
2,795	4.82E-07	4.21E-06	7.92E-06	4.69E-07	4.07E-06	7.62E-06	6.24E-07	5.52E-06	1.03E-05
2,796	4.82E-07	4.21E-06	7.92E-06	4.69E-07	4.06E-06	7.62E-06	6.24E-07	5.52E-06	1.03E-05
2,797	4.82E-07	4.21E-06	7.92E-06	4.68E-07	4.06E-06	7.62E-06	6.24E-07	5.51E-06	1.03E-05
2,798	4.82E-07	4.21E-06	7.92E-06	4.68E-07	4.06E-06	7.61E-06	6.23E-07	5.51E-06	1.03E-05
2,799	4.82E-07	4.20E-06	7.92E-06	4.68E-07	4.06E-06	7.61E-06	6.23E-07	5.51E-06	1.02E-05
2,800	4.82E-07	4.20E-06	7.92E-06	4.68E-07	4.06E-06	7.61E-06	6.23E-07	5.50E-06	1.02E-05
2,801	4.81E-07	4.20E-06	7.92E-06	4.67E-07	4.06E-06	7.61E-06	6.23E-07	5.50E-06	1.02E-05
2,802	4.80E-07	4.20E-06	7.92E-06	4.67E-07	4.06E-06	7.60E-06	6.22E-07	5.50E-06	1.02E-05
2,803	4.80E-07	4.20E-06	7.91E-06	4.67E-07	4.06E-06	7.60E-06	6.22E-07	5.50E-06	1.02E-05
2,804	4.80E-07	4.20E-06	7.91E-06	4.67E-07	4.05E-06	7.60E-06	6.22E-07	5.50E-06	1.02E-05
2,805	4.80E-07	4.19E-06	7.91E-06	4.67E-07	4.05E-06	7.60E-06	6.22E-07	5.50E-06	1.02E-05
2,806	4.79E-07	4.19E-06	7.90E-06	4.67E-07	4.05E-06	7.60E-06	6.22E-07	5.49E-06	1.02E-05
2,807	4.79E-07	4.19E-06	7.90E-06	4.67E-07	4.05E-06	7.59E-06	6.22E-07	5.49E-06	1.02E-05
2,808	4.79E-07	4.19E-06	7.90E-06	4.67E-07	4.05E-06	7.59E-06	6.22E-07	5.49E-06	1.02E-05
2,809	4.79E-07	4.19E-06	7.90E-06	4.66E-07	4.05E-06	7.58E-06	6.22E-07	5.49E-06	1.02E-05
2,810	4.79E-07	4.19E-06	7.90E-06	4.66E-07	4.05E-06	7.58E-06	6.21E-07	5.49E-06	1.02E-05
2,811	4.79E-07	4.18E-06	7.90E-06	4.65E-07	4.05E-06	7.58E-06	6.21E-07	5.49E-06	1.02E-05
2,812	4.79E-07	4.18E-06	7.90E-06	4.65E-07	4.05E-06	7.58E-06	6.21E-07	5.49E-06	1.02E-05
2,813	4.78E-07	4.18E-06	7.90E-06	4.65E-07	4.05E-06	7.58E-06	6.21E-07	5.49E-06	1.02E-05
2,814	4.78E-07	4.18E-06	7.89E-06	4.65E-07	4.04E-06	7.58E-06	6.21E-07	5.48E-06	1.02E-05
2,815	4.78E-07	4.18E-06	7.89E-06	4.65E-07	4.04E-06	7.57E-06	6.21E-07	5.48E-06	1.02E-05
2,816	4.78E-07	4.18E-06	7.89E-06	4.65E-07	4.04E-06	7.57E-06	6.20E-07	5.48E-06	1.02E-05
2,817	4.78E-07	4.18E-06	7.88E-06	4.65E-07	4.04E-06	7.57E-06	6.20E-07	5.48E-06	1.02E-05
2,818	4.77E-07	4.18E-06	7.88E-06	4.64E-07	4.04E-06	7.57E-06	6.20E-07	5.47E-06	1.02E-05
2,819	4.77E-07	4.18E-06	7.88E-06	4.64E-07	4.04E-06	7.56E-06	6.20E-07	5.47E-06	1.02E-05
2,820	4.77E-07	4.17E-06	7.88E-06	4.64E-07	4.04E-06	7.56E-06	6.20E-07	5.46E-06	1.02E-05
2,821	4.77E-07	4.17E-06	7.88E-06	4.64E-07	4.04E-06	7.56E-06	6.19E-07	5.46E-06	1.02E-05
2,822	4.77E-07	4.17E-06	7.88E-06	4.64E-07	4.04E-06	7.56E-06	6.19E-07	5.46E-06	1.02E-05
2,823	4.77E-07	4.17E-06	7.88E-06	4.63E-07	4.04E-06	7.56E-06	6.19E-07	5.46E-06	1.02E-05
2,824	4.77E-07	4.17E-06	7.87E-06	4.63E-07	4.04E-06	7.55E-06	6.19E-07	5.46E-06	1.02E-05
2,825	4.77E-07	4.17E-06	7.87E-06	4.63E-07	4.04E-06	7.55E-06	6.19E-07	5.46E-06	1.02E-05
2,826	4.77E-07	4.17E-06	7.87E-06	4.63E-07	4.03E-06	7.55E-06	6.19E-07	5.45E-06	1.02E-05
2,827	4.77E-07	4.17E-06	7.87E-06	4.63E-07	4.03E-06	7.55E-06	6.19E-07	5.45E-06	1.02E-05
2,828	4.77E-07	4.17E-06	7.87E-06	4.63E-07	4.03E-06	7.55E-06	6.18E-07	5.45E-06	1.02E-05
2,829	4.77E-07	4.16E-06	7.87E-06	4.63E-07	4.03E-06	7.55E-06	6.18E-07	5.45E-06	1.02E-05

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,830	4.77E-07	4.16E-06	7.86E-06	4.62E-07	4.03E-06	7.54E-06	6.18E-07	5.45E-06	1.02E-05
2,831	4.76E-07	4.16E-06	7.86E-06	4.62E-07	4.03E-06	7.54E-06	6.18E-07	5.45E-06	1.02E-05
2,832	4.76E-07	4.16E-06	7.86E-06	4.62E-07	4.03E-06	7.54E-06	6.18E-07	5.44E-06	1.02E-05
2,833	4.76E-07	4.16E-06	7.85E-06	4.62E-07	4.02E-06	7.54E-06	6.18E-07	5.44E-06	1.02E-05
2,834	4.76E-07	4.16E-06	7.85E-06	4.62E-07	4.02E-06	7.53E-06	6.17E-07	5.44E-06	1.02E-05
2,835	4.76E-07	4.16E-06	7.85E-06	4.61E-07	4.02E-06	7.53E-06	6.17E-07	5.44E-06	1.01E-05
2,836	4.76E-07	4.15E-06	7.85E-06	4.61E-07	4.02E-06	7.52E-06	6.17E-07	5.44E-06	1.01E-05
2,837	4.76E-07	4.15E-06	7.85E-06	4.61E-07	4.02E-06	7.52E-06	6.17E-07	5.43E-06	1.01E-05
2,838	4.76E-07	4.15E-06	7.84E-06	4.60E-07	4.02E-06	7.52E-06	6.17E-07	5.43E-06	1.01E-05
2,839	4.76E-07	4.15E-06	7.84E-06	4.60E-07	4.01E-06	7.51E-06	6.16E-07	5.43E-06	1.01E-05
2,840	4.75E-07	4.14E-06	7.84E-06	4.60E-07	4.01E-06	7.51E-06	6.16E-07	5.43E-06	1.01E-05
2,841	4.75E-07	4.14E-06	7.84E-06	4.60E-07	4.01E-06	7.51E-06	6.16E-07	5.43E-06	1.01E-05
2,842	4.75E-07	4.14E-06	7.84E-06	4.60E-07	4.01E-06	7.51E-06	6.15E-07	5.43E-06	1.01E-05
2,843	4.75E-07	4.14E-06	7.84E-06	4.60E-07	4.01E-06	7.51E-06	6.15E-07	5.42E-06	1.01E-05
2,844	4.75E-07	4.14E-06	7.83E-06	4.60E-07	4.01E-06	7.50E-06	6.15E-07	5.42E-06	1.01E-05
2,845	4.75E-07	4.14E-06	7.83E-06	4.60E-07	4.01E-06	7.50E-06	6.15E-07	5.42E-06	1.01E-05
2,846	4.75E-07	4.14E-06	7.83E-06	4.60E-07	4.01E-06	7.50E-06	6.14E-07	5.41E-06	1.01E-05
2,847	4.75E-07	4.14E-06	7.83E-06	4.60E-07	4.01E-06	7.50E-06	6.13E-07	5.41E-06	1.01E-05
2,848	4.75E-07	4.14E-06	7.83E-06	4.59E-07	4.00E-06	7.49E-06	6.13E-07	5.41E-06	1.01E-05
2,849	4.75E-07	4.14E-06	7.83E-06	4.59E-07	4.00E-06	7.49E-06	6.13E-07	5.41E-06	1.01E-05
2,850	4.75E-07	4.13E-06	7.83E-06	4.59E-07	4.00E-06	7.49E-06	6.13E-07	5.41E-06	1.01E-05
2,851	4.75E-07	4.13E-06	7.82E-06	4.59E-07	4.00E-06	7.49E-06	6.13E-07	5.40E-06	1.01E-05
2,852	4.74E-07	4.13E-06	7.81E-06	4.59E-07	4.00E-06	7.49E-06	6.13E-07	5.40E-06	1.01E-05
2,853	4.74E-07	4.13E-06	7.81E-06	4.59E-07	4.00E-06	7.49E-06	6.12E-07	5.39E-06	1.01E-05
2,854	4.74E-07	4.13E-06	7.81E-06	4.59E-07	3.99E-06	7.49E-06	6.11E-07	5.39E-06	1.01E-05
2,855	4.73E-07	4.13E-06	7.81E-06	4.59E-07	3.99E-06	7.48E-06	6.11E-07	5.39E-06	1.01E-05
2,856	4.73E-07	4.13E-06	7.81E-06	4.59E-07	3.99E-06	7.48E-06	6.11E-07	5.39E-06	1.01E-05
2,857	4.73E-07	4.12E-06	7.80E-06	4.59E-07	3.99E-06	7.48E-06	6.11E-07	5.39E-06	1.01E-05
2,858	4.73E-07	4.12E-06	7.80E-06	4.59E-07	3.99E-06	7.48E-06	6.11E-07	5.39E-06	1.01E-05
2,859	4.73E-07	4.12E-06	7.80E-06	4.59E-07	3.99E-06	7.48E-06	6.11E-07	5.38E-06	1.01E-05
2,860	4.73E-07	4.12E-06	7.79E-06	4.58E-07	3.99E-06	7.47E-06	6.11E-07	5.38E-06	1.01E-05
2,861	4.73E-07	4.12E-06	7.79E-06	4.58E-07	3.99E-06	7.47E-06	6.11E-07	5.38E-06	1.01E-05
2,862	4.73E-07	4.12E-06	7.79E-06	4.58E-07	3.99E-06	7.47E-06	6.10E-07	5.38E-06	1.01E-05
2,863	4.73E-07	4.12E-06	7.78E-06	4.57E-07	3.99E-06	7.47E-06	6.10E-07	5.38E-06	1.01E-05
2,864	4.72E-07	4.12E-06	7.78E-06	4.57E-07	3.99E-06	7.46E-06	6.10E-07	5.38E-06	1.01E-05
2,865	4.72E-07	4.12E-06	7.78E-06	4.57E-07	3.98E-06	7.46E-06	6.10E-07	5.38E-06	1.01E-05
2,866	4.72E-07	4.11E-06	7.78E-06	4.57E-07	3.98E-06	7.46E-06	6.09E-07	5.37E-06	1.00E-05
2,867	4.72E-07	4.11E-06	7.77E-06	4.57E-07	3.98E-06	7.46E-06	6.09E-07	5.37E-06	1.00E-05
2,868	4.72E-07	4.11E-06	7.77E-06	4.57E-07	3.98E-06	7.45E-06	6.09E-07	5.37E-06	1.00E-05
2,869	4.72E-07	4.10E-06	7.77E-06	4.57E-07	3.97E-06	7.45E-06	6.08E-07	5.37E-06	1.00E-05
2,870	4.72E-07	4.10E-06	7.77E-06	4.56E-07	3.97E-06	7.45E-06	6.08E-07	5.37E-06	1.00E-05
2,871	4.72E-07	4.10E-06	7.76E-06	4.56E-07	3.97E-06	7.45E-06	6.08E-07	5.36E-06	1.00E-05
2,872	4.71E-07	4.10E-06	7.76E-06	4.56E-07	3.97E-06	7.45E-06	6.08E-07	5.36E-06	1.00E-05
2,873	4.71E-07	4.10E-06	7.76E-06	4.56E-07	3.97E-06	7.44E-06	6.08E-07	5.35E-06	1.00E-05
2,874	4.71E-07	4.10E-06	7.76E-06	4.56E-07	3.96E-06	7.44E-06	6.08E-07	5.35E-06	1.00E-05
2,875	4.71E-07	4.10E-06	7.76E-06	4.56E-07	3.96E-06	7.44E-06	6.08E-07	5.35E-06	1.00E-05
2,876	4.70E-07	4.09E-06	7.76E-06	4.56E-07	3.96E-06	7.44E-06	6.08E-07	5.35E-06	1.00E-05
2,877	4.70E-07	4.09E-06	7.76E-06	4.55E-07	3.96E-06	7.43E-06	6.07E-07	5.35E-06	1.00E-05
2,878	4.70E-07	4.09E-06	7.75E-06	4.55E-07	3.96E-06	7.43E-06	6.07E-07	5.34E-06	1.00E-05
2,879	4.70E-07	4.09E-06	7.75E-06	4.55E-07	3.96E-06	7.43E-06	6.07E-07	5.34E-06	9.99E-06
2,880	4.69E-07	4.09E-06	7.74E-06	4.55E-07	3.96E-06	7.43E-06	6.07E-07	5.34E-06	9.98E-06
2,881	4.69E-07	4.09E-06	7.74E-06	4.54E-07	3.96E-06	7.43E-06	6.07E-07	5.34E-06	9.98E-06
2,882	4.69E-07	4.08E-06	7.73E-06	4.54E-07	3.95E-06	7.43E-06	6.07E-07	5.34E-06	9.98E-06
2,883	4.69E-07	4.08E-06	7.73E-06	4.54E-07	3.95E-06	7.43E-06	6.07E-07	5.34E-06	9.98E-06
2,884	4.69E-07	4.08E-06	7.72E-06	4.54E-07	3.95E-06	7.42E-06	6.06E-07	5.34E-06	9.98E-06
2,885	4.69E-07	4.08E-06	7.72E-06	4.54E-07	3.95E-06	7.42E-06	6.06E-07	5.34E-06	9.98E-06
2,886	4.68E-07	4.08E-06	7.72E-06	4.54E-07	3.95E-06	7.41E-06	6.05E-07	5.33E-06	9.97E-06
2,887	4.68E-07	4.08E-06	7.72E-06	4.54E-07	3.95E-06	7.41E-06	6.05E-07	5.33E-06	9.97E-06
2,888	4.68E-07	4.08E-06	7.72E-06	4.53E-07	3.94E-06	7.41E-06	6.05E-07	5.33E-06	9.97E-06
2,889	4.68E-07	4.08E-06	7.72E-06	4.53E-07	3.94E-06	7.41E-06	6.05E-07	5.32E-06	9.96E-06
2,890	4.68E-07	4.08E-06	7.71E-06	4.53E-07	3.94E-06	7.41E-06	6.04E-07	5.32E-06	9.96E-06
2,891	4.68E-07	4.07E-06	7.71E-06	4.53E-07	3.94E-06	7.40E-06	6.04E-07	5.32E-06	9.95E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,892	4.68E-07	4.07E-06	7.71E-06	4.52E-07	3.94E-06	7.40E-06	6.04E-07	5.31E-06	9.95E-06
2,893	4.68E-07	4.07E-06	7.71E-06	4.52E-07	3.94E-06	7.40E-06	6.04E-07	5.31E-06	9.95E-06
2,894	4.68E-07	4.07E-06	7.71E-06	4.52E-07	3.94E-06	7.40E-06	6.04E-07	5.31E-06	9.94E-06
2,895	4.67E-07	4.07E-06	7.71E-06	4.52E-07	3.94E-06	7.39E-06	6.04E-07	5.30E-06	9.94E-06
2,896	4.67E-07	4.06E-06	7.71E-06	4.52E-07	3.94E-06	7.39E-06	6.03E-07	5.30E-06	9.94E-06
2,897	4.67E-07	4.06E-06	7.71E-06	4.52E-07	3.93E-06	7.39E-06	6.03E-07	5.30E-06	9.94E-06
2,898	4.67E-07	4.06E-06	7.70E-06	4.51E-07	3.93E-06	7.39E-06	6.03E-07	5.30E-06	9.94E-06
2,899	4.67E-07	4.06E-06	7.70E-06	4.51E-07	3.93E-06	7.39E-06	6.02E-07	5.29E-06	9.92E-06
2,900	4.67E-07	4.06E-06	7.70E-06	4.51E-07	3.93E-06	7.39E-06	6.02E-07	5.29E-06	9.92E-06
2,901	4.67E-07	4.06E-06	7.70E-06	4.51E-07	3.93E-06	7.38E-06	6.02E-07	5.29E-06	9.91E-06
2,902	4.67E-07	4.06E-06	7.70E-06	4.50E-07	3.93E-06	7.37E-06	6.02E-07	5.29E-06	9.91E-06
2,903	4.66E-07	4.05E-06	7.69E-06	4.50E-07	3.93E-06	7.37E-06	6.02E-07	5.29E-06	9.91E-06
2,904	4.66E-07	4.05E-06	7.69E-06	4.50E-07	3.93E-06	7.37E-06	6.02E-07	5.29E-06	9.91E-06
2,905	4.66E-07	4.05E-06	7.69E-06	4.50E-07	3.93E-06	7.37E-06	6.01E-07	5.28E-06	9.91E-06
2,906	4.66E-07	4.05E-06	7.68E-06	4.50E-07	3.93E-06	7.37E-06	6.01E-07	5.28E-06	9.91E-06
2,907	4.66E-07	4.05E-06	7.68E-06	4.50E-07	3.93E-06	7.37E-06	6.00E-07	5.28E-06	9.90E-06
2,908	4.66E-07	4.05E-06	7.68E-06	4.50E-07	3.92E-06	7.37E-06	6.00E-07	5.28E-06	9.90E-06
2,909	4.66E-07	4.05E-06	7.67E-06	4.50E-07	3.92E-06	7.36E-06	6.00E-07	5.28E-06	9.90E-06
2,910	4.65E-07	4.05E-06	7.67E-06	4.50E-07	3.92E-06	7.36E-06	6.00E-07	5.28E-06	9.89E-06
2,911	4.65E-07	4.05E-06	7.67E-06	4.49E-07	3.92E-06	7.36E-06	6.00E-07	5.27E-06	9.89E-06
2,912	4.65E-07	4.05E-06	7.67E-06	4.49E-07	3.92E-06	7.36E-06	6.00E-07	5.27E-06	9.89E-06
2,913	4.65E-07	4.04E-06	7.67E-06	4.49E-07	3.91E-06	7.35E-06	5.99E-07	5.27E-06	9.88E-06
2,914	4.65E-07	4.04E-06	7.66E-06	4.49E-07	3.91E-06	7.35E-06	5.99E-07	5.27E-06	9.87E-06
2,915	4.64E-07	4.04E-06	7.66E-06	4.49E-07	3.91E-06	7.35E-06	5.99E-07	5.27E-06	9.87E-06
2,916	4.64E-07	4.04E-06	7.65E-06	4.49E-07	3.91E-06	7.35E-06	5.99E-07	5.26E-06	9.87E-06
2,917	4.64E-07	4.04E-06	7.64E-06	4.49E-07	3.91E-06	7.35E-06	5.98E-07	5.26E-06	9.86E-06
2,918	4.64E-07	4.04E-06	7.64E-06	4.49E-07	3.91E-06	7.35E-06	5.98E-07	5.26E-06	9.86E-06
2,919	4.64E-07	4.04E-06	7.64E-06	4.48E-07	3.91E-06	7.35E-06	5.98E-07	5.26E-06	9.86E-06
2,920	4.63E-07	4.04E-06	7.64E-06	4.48E-07	3.91E-06	7.34E-06	5.98E-07	5.26E-06	9.86E-06
2,921	4.63E-07	4.04E-06	7.64E-06	4.48E-07	3.91E-06	7.34E-06	5.98E-07	5.25E-06	9.85E-06
2,922	4.63E-07	4.03E-06	7.64E-06	4.47E-07	3.91E-06	7.34E-06	5.98E-07	5.25E-06	9.85E-06
2,923	4.63E-07	4.03E-06	7.63E-06	4.47E-07	3.90E-06	7.34E-06	5.97E-07	5.25E-06	9.85E-06
2,924	4.63E-07	4.03E-06	7.63E-06	4.47E-07	3.90E-06	7.33E-06	5.97E-07	5.25E-06	9.85E-06
2,925	4.63E-07	4.03E-06	7.62E-06	4.47E-07	3.90E-06	7.33E-06	5.97E-07	5.25E-06	9.84E-06
2,926	4.62E-07	4.03E-06	7.62E-06	4.47E-07	3.90E-06	7.33E-06	5.97E-07	5.25E-06	9.84E-06
2,927	4.62E-07	4.02E-06	7.62E-06	4.47E-07	3.89E-06	7.32E-06	5.97E-07	5.25E-06	9.84E-06
2,928	4.62E-07	4.02E-06	7.62E-06	4.47E-07	3.89E-06	7.31E-06	5.96E-07	5.24E-06	9.84E-06
2,929	4.62E-07	4.02E-06	7.62E-06	4.47E-07	3.89E-06	7.31E-06	5.96E-07	5.24E-06	9.83E-06
2,930	4.61E-07	4.02E-06	7.62E-06	4.47E-07	3.89E-06	7.31E-06	5.96E-07	5.24E-06	9.83E-06
2,931	4.61E-07	4.02E-06	7.61E-06	4.46E-07	3.89E-06	7.31E-06	5.96E-07	5.24E-06	9.82E-06
2,932	4.61E-07	4.02E-06	7.61E-06	4.46E-07	3.89E-06	7.31E-06	5.96E-07	5.23E-06	9.82E-06
2,933	4.61E-07	4.02E-06	7.61E-06	4.46E-07	3.88E-06	7.31E-06	5.95E-07	5.23E-06	9.82E-06
2,934	4.61E-07	4.02E-06	7.61E-06	4.46E-07	3.88E-06	7.31E-06	5.95E-07	5.23E-06	9.82E-06
2,935	4.61E-07	4.01E-06	7.61E-06	4.46E-07	3.88E-06	7.30E-06	5.95E-07	5.23E-06	9.81E-06
2,936	4.61E-07	4.01E-06	7.61E-06	4.46E-07	3.88E-06	7.30E-06	5.95E-07	5.23E-06	9.80E-06
2,937	4.61E-07	4.01E-06	7.60E-06	4.46E-07	3.88E-06	7.30E-06	5.95E-07	5.22E-06	9.80E-06
2,938	4.60E-07	4.01E-06	7.60E-06	4.46E-07	3.88E-06	7.29E-06	5.95E-07	5.22E-06	9.80E-06
2,939	4.60E-07	4.00E-06	7.60E-06	4.45E-07	3.87E-06	7.29E-06	5.95E-07	5.22E-06	9.80E-06
2,940	4.60E-07	4.00E-06	7.59E-06	4.45E-07	3.87E-06	7.29E-06	5.94E-07	5.22E-06	9.80E-06
2,941	4.60E-07	4.00E-06	7.59E-06	4.45E-07	3.87E-06	7.28E-06	5.94E-07	5.22E-06	9.78E-06
2,942	4.60E-07	4.00E-06	7.59E-06	4.45E-07	3.87E-06	7.28E-06	5.94E-07	5.22E-06	9.78E-06
2,943	4.60E-07	4.00E-06	7.59E-06	4.45E-07	3.87E-06	7.28E-06	5.94E-07	5.21E-06	9.78E-06
2,944	4.60E-07	3.99E-06	7.59E-06	4.45E-07	3.86E-06	7.27E-06	5.93E-07	5.21E-06	9.77E-06
2,945	4.60E-07	3.99E-06	7.59E-06	4.45E-07	3.86E-06	7.27E-06	5.93E-07	5.21E-06	9.77E-06
2,946	4.60E-07	3.99E-06	7.58E-06	4.44E-07	3.86E-06	7.27E-06	5.93E-07	5.21E-06	9.77E-06
2,947	4.60E-07	3.99E-06	7.58E-06	4.44E-07	3.86E-06	7.27E-06	5.93E-07	5.20E-06	9.77E-06
2,948	4.59E-07	3.99E-06	7.58E-06	4.44E-07	3.86E-06	7.27E-06	5.93E-07	5.20E-06	9.76E-06
2,949	4.59E-07	3.98E-06	7.58E-06	4.44E-07	3.86E-06	7.26E-06	5.92E-07	5.20E-06	9.75E-06
2,950	4.59E-07	3.98E-06	7.58E-06	4.44E-07	3.85E-06	7.26E-06	5.92E-07	5.20E-06	9.75E-06
2,951	4.59E-07	3.98E-06	7.58E-06	4.43E-07	3.85E-06	7.26E-06	5.92E-07	5.19E-06	9.74E-06
2,952	4.59E-07	3.98E-06	7.58E-06	4.43E-07	3.85E-06	7.26E-06	5.91E-07	5.19E-06	9.74E-06
2,953	4.59E-07	3.98E-06	7.57E-06	4.43E-07	3.85E-06	7.26E-06	5.91E-07	5.19E-06	9.73E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
2,954	4.59E-07	3.98E-06	7.57E-06	4.43E-07	3.85E-06	7.26E-06	5.91E-07	5.19E-06	9.73E-06
2,955	4.59E-07	3.98E-06	7.57E-06	4.43E-07	3.85E-06	7.26E-06	5.91E-07	5.19E-06	9.73E-06
2,956	4.59E-07	3.97E-06	7.57E-06	4.43E-07	3.84E-06	7.26E-06	5.91E-07	5.19E-06	9.72E-06
2,957	4.58E-07	3.97E-06	7.56E-06	4.43E-07	3.84E-06	7.25E-06	5.91E-07	5.18E-06	9.72E-06
2,958	4.58E-07	3.97E-06	7.56E-06	4.42E-07	3.84E-06	7.25E-06	5.91E-07	5.18E-06	9.72E-06
2,959	4.58E-07	3.97E-06	7.56E-06	4.42E-07	3.84E-06	7.25E-06	5.91E-07	5.18E-06	9.72E-06
2,960	4.58E-07	3.97E-06	7.56E-06	4.42E-07	3.84E-06	7.25E-06	5.90E-07	5.17E-06	9.72E-06
2,961	4.58E-07	3.97E-06	7.56E-06	4.42E-07	3.84E-06	7.25E-06	5.90E-07	5.17E-06	9.72E-06
2,962	4.58E-07	3.96E-06	7.56E-06	4.42E-07	3.84E-06	7.24E-06	5.89E-07	5.17E-06	9.72E-06
2,963	4.58E-07	3.96E-06	7.56E-06	4.41E-07	3.84E-06	7.24E-06	5.89E-07	5.17E-06	9.71E-06
2,964	4.58E-07	3.96E-06	7.55E-06	4.41E-07	3.83E-06	7.24E-06	5.89E-07	5.16E-06	9.71E-06
2,965	4.58E-07	3.96E-06	7.55E-06	4.41E-07	3.83E-06	7.24E-06	5.89E-07	5.16E-06	9.70E-06
2,966	4.57E-07	3.96E-06	7.55E-06	4.41E-07	3.83E-06	7.23E-06	5.88E-07	5.16E-06	9.70E-06
2,967	4.57E-07	3.96E-06	7.55E-06	4.41E-07	3.83E-06	7.23E-06	5.88E-07	5.16E-06	9.69E-06
2,968	4.57E-07	3.95E-06	7.55E-06	4.40E-07	3.83E-06	7.22E-06	5.88E-07	5.16E-06	9.68E-06
2,969	4.57E-07	3.95E-06	7.55E-06	4.39E-07	3.83E-06	7.22E-06	5.88E-07	5.16E-06	9.67E-06
2,970	4.57E-07	3.95E-06	7.55E-06	4.39E-07	3.83E-06	7.22E-06	5.88E-07	5.16E-06	9.67E-06
2,971	4.57E-07	3.95E-06	7.54E-06	4.39E-07	3.83E-06	7.22E-06	5.88E-07	5.16E-06	9.67E-06
2,972	4.57E-07	3.95E-06	7.54E-06	4.39E-07	3.83E-06	7.22E-06	5.88E-07	5.16E-06	9.66E-06
2,973	4.57E-07	3.95E-06	7.53E-06	4.39E-07	3.82E-06	7.22E-06	5.88E-07	5.15E-06	9.66E-06
2,974	4.57E-07	3.95E-06	7.53E-06	4.39E-07	3.82E-06	7.22E-06	5.87E-07	5.15E-06	9.66E-06
2,975	4.57E-07	3.94E-06	7.52E-06	4.39E-07	3.82E-06	7.21E-06	5.87E-07	5.15E-06	9.65E-06
2,976	4.57E-07	3.94E-06	7.52E-06	4.39E-07	3.82E-06	7.21E-06	5.86E-07	5.15E-06	9.65E-06
2,977	4.57E-07	3.94E-06	7.52E-06	4.39E-07	3.82E-06	7.21E-06	5.86E-07	5.14E-06	9.65E-06
2,978	4.56E-07	3.94E-06	7.52E-06	4.38E-07	3.82E-06	7.21E-06	5.86E-07	5.14E-06	9.64E-06
2,979	4.56E-07	3.94E-06	7.51E-06	4.38E-07	3.82E-06	7.21E-06	5.85E-07	5.13E-06	9.64E-06
2,980	4.56E-07	3.94E-06	7.51E-06	4.38E-07	3.82E-06	7.20E-06	5.85E-07	5.13E-06	9.64E-06
2,981	4.56E-07	3.94E-06	7.50E-06	4.38E-07	3.82E-06	7.19E-06	5.85E-07	5.13E-06	9.64E-06
2,982	4.56E-07	3.94E-06	7.50E-06	4.38E-07	3.81E-06	7.18E-06	5.85E-07	5.13E-06	9.64E-06
2,983	4.56E-07	3.93E-06	7.50E-06	4.38E-07	3.81E-06	7.18E-06	5.84E-07	5.13E-06	9.64E-06
2,984	4.56E-07	3.93E-06	7.50E-06	4.38E-07	3.81E-06	7.18E-06	5.84E-07	5.13E-06	9.64E-06
2,985	4.56E-07	3.93E-06	7.49E-06	4.38E-07	3.81E-06	7.18E-06	5.84E-07	5.12E-06	9.63E-06
2,986	4.55E-07	3.92E-06	7.49E-06	4.38E-07	3.81E-06	7.18E-06	5.84E-07	5.12E-06	9.63E-06
2,987	4.55E-07	3.92E-06	7.49E-06	4.38E-07	3.81E-06	7.18E-06	5.84E-07	5.12E-06	9.63E-06
2,988	4.55E-07	3.92E-06	7.48E-06	4.38E-07	3.81E-06	7.18E-06	5.83E-07	5.12E-06	9.63E-06
2,989	4.55E-07	3.92E-06	7.48E-06	4.38E-07	3.81E-06	7.18E-06	5.83E-07	5.11E-06	9.63E-06
2,990	4.54E-07	3.92E-06	7.48E-06	4.38E-07	3.81E-06	7.17E-06	5.83E-07	5.11E-06	9.63E-06
2,991	4.54E-07	3.92E-06	7.47E-06	4.38E-07	3.80E-06	7.17E-06	5.83E-07	5.11E-06	9.62E-06
2,992	4.54E-07	3.92E-06	7.47E-06	4.37E-07	3.80E-06	7.16E-06	5.83E-07	5.11E-06	9.62E-06
2,993	4.54E-07	3.92E-06	7.47E-06	4.37E-07	3.80E-06	7.15E-06	5.82E-07	5.10E-06	9.61E-06
2,994	4.54E-07	3.92E-06	7.46E-06	4.37E-07	3.80E-06	7.15E-06	5.82E-07	5.10E-06	9.61E-06
2,995	4.53E-07	3.91E-06	7.46E-06	4.37E-07	3.80E-06	7.15E-06	5.82E-07	5.10E-06	9.61E-06
2,996	4.53E-07	3.91E-06	7.46E-06	4.37E-07	3.79E-06	7.15E-06	5.81E-07	5.10E-06	9.60E-06
2,997	4.53E-07	3.91E-06	7.46E-06	4.37E-07	3.79E-06	7.15E-06	5.81E-07	5.10E-06	9.60E-06
2,998	4.53E-07	3.91E-06	7.46E-06	4.37E-07	3.79E-06	7.14E-06	5.81E-07	5.09E-06	9.60E-06
2,999	4.53E-07	3.91E-06	7.45E-06	4.37E-07	3.79E-06	7.14E-06	5.81E-07	5.09E-06	9.60E-06
3,000	4.52E-07	3.91E-06	7.45E-06	4.36E-07	3.79E-06	7.14E-06	5.81E-07	5.09E-06	9.60E-06
3,001	4.52E-07	3.91E-06	7.45E-06	4.36E-07	3.78E-06	7.14E-06	5.80E-07	5.09E-06	9.59E-06
3,002	4.52E-07	3.91E-06	7.45E-06	4.36E-07	3.78E-06	7.13E-06	5.80E-07	5.09E-06	9.59E-06
3,003	4.52E-07	3.90E-06	7.45E-06	4.36E-07	3.78E-06	7.13E-06	5.80E-07	5.09E-06	9.59E-06
3,004	4.52E-07	3.90E-06	7.44E-06	4.36E-07	3.78E-06	7.13E-06	5.80E-07	5.08E-06	9.59E-06
3,005	4.52E-07	3.90E-06	7.44E-06	4.36E-07	3.78E-06	7.13E-06	5.79E-07	5.08E-06	9.59E-06
3,006	4.52E-07	3.90E-06	7.44E-06	4.35E-07	3.78E-06	7.13E-06	5.79E-07	5.08E-06	9.59E-06
3,007	4.52E-07	3.90E-06	7.43E-06	4.35E-07	3.78E-06	7.13E-06	5.79E-07	5.07E-06	9.58E-06
3,008	4.51E-07	3.90E-06	7.43E-06	4.35E-07	3.78E-06	7.13E-06	5.79E-07	5.07E-06	9.58E-06
3,009	4.51E-07	3.90E-06	7.43E-06	4.35E-07	3.78E-06	7.13E-06	5.79E-07	5.07E-06	9.58E-06
3,010	4.51E-07	3.90E-06	7.43E-06	4.35E-07	3.78E-06	7.12E-06	5.79E-07	5.06E-06	9.57E-06
3,011	4.51E-07	3.89E-06	7.43E-06	4.35E-07	3.78E-06	7.12E-06	5.79E-07	5.05E-06	9.57E-06
3,012	4.50E-07	3.89E-06	7.43E-06	4.35E-07	3.77E-06	7.11E-06	5.79E-07	5.05E-06	9.56E-06
3,013	4.50E-07	3.89E-06	7.42E-06	4.35E-07	3.77E-06	7.11E-06	5.79E-07	5.05E-06	9.56E-06
3,014	4.50E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.11E-06	5.78E-07	5.05E-06	9.56E-06
3,015	4.50E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.11E-06	5.78E-07	5.05E-06	9.56E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,016	4.50E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.11E-06	5.78E-07	5.05E-06	9.56E-06
3,017	4.50E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.11E-06	5.78E-07	5.05E-06	9.56E-06
3,018	4.50E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.11E-06	5.77E-07	5.04E-06	9.55E-06
3,019	4.49E-07	3.88E-06	7.42E-06	4.34E-07	3.77E-06	7.10E-06	5.77E-07	5.04E-06	9.55E-06
3,020	4.49E-07	3.88E-06	7.41E-06	4.34E-07	3.77E-06	7.10E-06	5.77E-07	5.04E-06	9.55E-06
3,021	4.49E-07	3.88E-06	7.41E-06	4.34E-07	3.77E-06	7.10E-06	5.77E-07	5.04E-06	9.55E-06
3,022	4.49E-07	3.87E-06	7.41E-06	4.34E-07	3.76E-06	7.10E-06	5.77E-07	5.04E-06	9.54E-06
3,023	4.49E-07	3.87E-06	7.41E-06	4.33E-07	3.76E-06	7.09E-06	5.77E-07	5.04E-06	9.53E-06
3,024	4.48E-07	3.87E-06	7.41E-06	4.33E-07	3.76E-06	7.09E-06	5.76E-07	5.03E-06	9.53E-06
3,025	4.48E-07	3.87E-06	7.41E-06	4.33E-07	3.76E-06	7.09E-06	5.76E-07	5.03E-06	9.53E-06
3,026	4.48E-07	3.87E-06	7.40E-06	4.33E-07	3.76E-06	7.09E-06	5.76E-07	5.03E-06	9.52E-06
3,027	4.48E-07	3.87E-06	7.40E-06	4.33E-07	3.76E-06	7.09E-06	5.76E-07	5.03E-06	9.52E-06
3,028	4.48E-07	3.86E-06	7.40E-06	4.33E-07	3.75E-06	7.09E-06	5.75E-07	5.03E-06	9.52E-06
3,029	4.48E-07	3.86E-06	7.40E-06	4.33E-07	3.75E-06	7.08E-06	5.75E-07	5.03E-06	9.52E-06
3,030	4.48E-07	3.86E-06	7.40E-06	4.33E-07	3.75E-06	7.08E-06	5.75E-07	5.03E-06	9.51E-06
3,031	4.48E-07	3.86E-06	7.40E-06	4.33E-07	3.75E-06	7.08E-06	5.75E-07	5.03E-06	9.51E-06
3,032	4.48E-07	3.86E-06	7.40E-06	4.33E-07	3.75E-06	7.08E-06	5.74E-07	5.03E-06	9.51E-06
3,033	4.48E-07	3.85E-06	7.39E-06	4.33E-07	3.75E-06	7.07E-06	5.74E-07	5.03E-06	9.51E-06
3,034	4.48E-07	3.85E-06	7.39E-06	4.33E-07	3.75E-06	7.07E-06	5.74E-07	5.02E-06	9.51E-06
3,035	4.47E-07	3.85E-06	7.39E-06	4.32E-07	3.75E-06	7.07E-06	5.73E-07	5.02E-06	9.51E-06
3,036	4.47E-07	3.85E-06	7.38E-06	4.32E-07	3.74E-06	7.07E-06	5.73E-07	5.01E-06	9.50E-06
3,037	4.47E-07	3.85E-06	7.38E-06	4.32E-07	3.74E-06	7.06E-06	5.73E-07	5.01E-06	9.50E-06
3,038	4.47E-07	3.84E-06	7.38E-06	4.32E-07	3.74E-06	7.05E-06	5.73E-07	5.01E-06	9.50E-06
3,039	4.47E-07	3.84E-06	7.38E-06	4.32E-07	3.74E-06	7.05E-06	5.72E-07	5.01E-06	9.50E-06
3,040	4.47E-07	3.84E-06	7.37E-06	4.32E-07	3.74E-06	7.05E-06	5.72E-07	5.01E-06	9.50E-06
3,041	4.46E-07	3.84E-06	7.36E-06	4.31E-07	3.74E-06	7.05E-06	5.72E-07	5.01E-06	9.49E-06
3,042	4.46E-07	3.84E-06	7.35E-06	4.31E-07	3.74E-06	7.05E-06	5.72E-07	5.01E-06	9.49E-06
3,043	4.46E-07	3.84E-06	7.35E-06	4.31E-07	3.74E-06	7.04E-06	5.72E-07	5.01E-06	9.48E-06
3,044	4.46E-07	3.83E-06	7.35E-06	4.31E-07	3.73E-06	7.04E-06	5.71E-07	5.01E-06	9.48E-06
3,045	4.46E-07	3.83E-06	7.35E-06	4.31E-07	3.73E-06	7.04E-06	5.71E-07	5.01E-06	9.48E-06
3,046	4.46E-07	3.83E-06	7.35E-06	4.31E-07	3.73E-06	7.04E-06	5.71E-07	5.00E-06	9.48E-06
3,047	4.46E-07	3.83E-06	7.35E-06	4.31E-07	3.73E-06	7.04E-06	5.71E-07	5.00E-06	9.48E-06
3,048	4.46E-07	3.83E-06	7.35E-06	4.31E-07	3.72E-06	7.04E-06	5.71E-07	5.00E-06	9.47E-06
3,049	4.46E-07	3.83E-06	7.34E-06	4.30E-07	3.72E-06	7.03E-06	5.71E-07	5.00E-06	9.47E-06
3,050	4.45E-07	3.83E-06	7.34E-06	4.30E-07	3.71E-06	7.03E-06	5.71E-07	5.00E-06	9.46E-06
3,051	4.45E-07	3.82E-06	7.34E-06	4.30E-07	3.71E-06	7.03E-06	5.71E-07	5.00E-06	9.45E-06
3,052	4.45E-07	3.82E-06	7.34E-06	4.30E-07	3.71E-06	7.03E-06	5.71E-07	5.00E-06	9.45E-06
3,053	4.45E-07	3.82E-06	7.33E-06	4.30E-07	3.71E-06	7.03E-06	5.71E-07	4.99E-06	9.45E-06
3,054	4.45E-07	3.82E-06	7.33E-06	4.30E-07	3.71E-06	7.02E-06	5.70E-07	4.99E-06	9.45E-06
3,055	4.45E-07	3.82E-06	7.33E-06	4.30E-07	3.71E-06	7.02E-06	5.70E-07	4.98E-06	9.44E-06
3,056	4.45E-07	3.82E-06	7.33E-06	4.29E-07	3.70E-06	7.02E-06	5.70E-07	4.98E-06	9.44E-06
3,057	4.45E-07	3.82E-06	7.32E-06	4.29E-07	3.70E-06	7.02E-06	5.70E-07	4.97E-06	9.44E-06
3,058	4.45E-07	3.82E-06	7.32E-06	4.29E-07	3.70E-06	7.02E-06	5.70E-07	4.97E-06	9.43E-06
3,059	4.45E-07	3.82E-06	7.32E-06	4.29E-07	3.70E-06	7.01E-06	5.70E-07	4.96E-06	9.42E-06
3,060	4.45E-07	3.82E-06	7.31E-06	4.29E-07	3.70E-06	7.01E-06	5.70E-07	4.96E-06	9.42E-06
3,061	4.45E-07	3.82E-06	7.31E-06	4.29E-07	3.70E-06	7.01E-06	5.69E-07	4.96E-06	9.42E-06
3,062	4.45E-07	3.81E-06	7.31E-06	4.29E-07	3.69E-06	7.00E-06	5.69E-07	4.96E-06	9.42E-06
3,063	4.44E-07	3.81E-06	7.31E-06	4.29E-07	3.69E-06	7.00E-06	5.69E-07	4.96E-06	9.42E-06
3,064	4.44E-07	3.81E-06	7.30E-06	4.28E-07	3.69E-06	7.00E-06	5.68E-07	4.96E-06	9.42E-06
3,065	4.44E-07	3.81E-06	7.30E-06	4.28E-07	3.69E-06	7.00E-06	5.68E-07	4.96E-06	9.41E-06
3,066	4.44E-07	3.81E-06	7.30E-06	4.28E-07	3.69E-06	7.00E-06	5.68E-07	4.96E-06	9.41E-06
3,067	4.44E-07	3.81E-06	7.29E-06	4.28E-07	3.69E-06	6.99E-06	5.68E-07	4.96E-06	9.41E-06
3,068	4.44E-07	3.81E-06	7.29E-06	4.27E-07	3.69E-06	6.99E-06	5.68E-07	4.96E-06	9.41E-06
3,069	4.44E-07	3.81E-06	7.29E-06	4.27E-07	3.69E-06	6.99E-06	5.67E-07	4.95E-06	9.41E-06
3,070	4.43E-07	3.81E-06	7.29E-06	4.27E-07	3.69E-06	6.99E-06	5.67E-07	4.95E-06	9.40E-06
3,071	4.43E-07	3.81E-06	7.29E-06	4.27E-07	3.68E-06	6.99E-06	5.67E-07	4.95E-06	9.40E-06
3,072	4.43E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.99E-06	5.67E-07	4.95E-06	9.40E-06
3,073	4.43E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.98E-06	5.67E-07	4.95E-06	9.40E-06
3,074	4.43E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.98E-06	5.67E-07	4.95E-06	9.40E-06
3,075	4.43E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.98E-06	5.66E-07	4.95E-06	9.40E-06
3,076	4.42E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.98E-06	5.66E-07	4.95E-06	9.39E-06
3,077	4.42E-07	3.80E-06	7.28E-06	4.27E-07	3.68E-06	6.97E-06	5.66E-07	4.95E-06	9.39E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,078	4.42E-07	3.79E-06	7.28E-06	4.27E-07	3.68E-06	6.97E-06	5.66E-07	4.95E-06	9.39E-06
3,079	4.42E-07	3.79E-06	7.27E-06	4.27E-07	3.68E-06	6.97E-06	5.66E-07	4.94E-06	9.39E-06
3,080	4.42E-07	3.79E-06	7.27E-06	4.27E-07	3.68E-06	6.97E-06	5.65E-07	4.94E-06	9.39E-06
3,081	4.41E-07	3.79E-06	7.27E-06	4.27E-07	3.68E-06	6.97E-06	5.65E-07	4.94E-06	9.39E-06
3,082	4.41E-07	3.79E-06	7.27E-06	4.27E-07	3.68E-06	6.96E-06	5.65E-07	4.94E-06	9.38E-06
3,083	4.40E-07	3.79E-06	7.27E-06	4.26E-07	3.68E-06	6.96E-06	5.65E-07	4.93E-06	9.38E-06
3,084	4.40E-07	3.78E-06	7.27E-06	4.26E-07	3.68E-06	6.96E-06	5.65E-07	4.93E-06	9.38E-06
3,085	4.40E-07	3.78E-06	7.27E-06	4.26E-07	3.68E-06	6.96E-06	5.65E-07	4.93E-06	9.38E-06
3,086	4.40E-07	3.78E-06	7.27E-06	4.26E-07	3.67E-06	6.96E-06	5.65E-07	4.93E-06	9.38E-06
3,087	4.40E-07	3.77E-06	7.27E-06	4.26E-07	3.67E-06	6.96E-06	5.65E-07	4.93E-06	9.38E-06
3,088	4.40E-07	3.77E-06	7.26E-06	4.26E-07	3.67E-06	6.96E-06	5.65E-07	4.93E-06	9.37E-06
3,089	4.40E-07	3.77E-06	7.26E-06	4.26E-07	3.67E-06	6.95E-06	5.64E-07	4.92E-06	9.37E-06
3,090	4.40E-07	3.77E-06	7.26E-06	4.26E-07	3.67E-06	6.95E-06	5.64E-07	4.92E-06	9.37E-06
3,091	4.40E-07	3.77E-06	7.25E-06	4.25E-07	3.67E-06	6.95E-06	5.64E-07	4.92E-06	9.36E-06
3,092	4.39E-07	3.77E-06	7.25E-06	4.25E-07	3.67E-06	6.95E-06	5.64E-07	4.92E-06	9.36E-06
3,093	4.39E-07	3.77E-06	7.25E-06	4.25E-07	3.67E-06	6.95E-06	5.64E-07	4.91E-06	9.36E-06
3,094	4.39E-07	3.77E-06	7.25E-06	4.25E-07	3.66E-06	6.95E-06	5.64E-07	4.91E-06	9.35E-06
3,095	4.39E-07	3.77E-06	7.25E-06	4.25E-07	3.66E-06	6.94E-06	5.64E-07	4.91E-06	9.35E-06
3,096	4.39E-07	3.76E-06	7.24E-06	4.25E-07	3.66E-06	6.94E-06	5.63E-07	4.91E-06	9.34E-06
3,097	4.39E-07	3.76E-06	7.24E-06	4.25E-07	3.66E-06	6.94E-06	5.63E-07	4.90E-06	9.34E-06
3,098	4.39E-07	3.76E-06	7.24E-06	4.25E-07	3.66E-06	6.94E-06	5.63E-07	4.90E-06	9.34E-06
3,099	4.38E-07	3.76E-06	7.24E-06	4.25E-07	3.66E-06	6.94E-06	5.63E-07	4.90E-06	9.34E-06
3,100	4.38E-07	3.76E-06	7.23E-06	4.25E-07	3.66E-06	6.93E-06	5.63E-07	4.90E-06	9.34E-06
3,101	4.38E-07	3.76E-06	7.22E-06	4.25E-07	3.66E-06	6.92E-06	5.63E-07	4.90E-06	9.34E-06
3,102	4.38E-07	3.76E-06	7.21E-06	4.25E-07	3.66E-06	6.92E-06	5.62E-07	4.90E-06	9.33E-06
3,103	4.38E-07	3.76E-06	7.21E-06	4.24E-07	3.66E-06	6.92E-06	5.62E-07	4.90E-06	9.33E-06
3,104	4.38E-07	3.76E-06	7.21E-06	4.24E-07	3.66E-06	6.92E-06	5.62E-07	4.89E-06	9.33E-06
3,105	4.38E-07	3.75E-06	7.21E-06	4.24E-07	3.66E-06	6.92E-06	5.62E-07	4.89E-06	9.33E-06
3,106	4.37E-07	3.75E-06	7.21E-06	4.24E-07	3.65E-06	6.92E-06	5.62E-07	4.89E-06	9.32E-06
3,107	4.37E-07	3.75E-06	7.20E-06	4.24E-07	3.65E-06	6.91E-06	5.62E-07	4.89E-06	9.32E-06
3,108	4.37E-07	3.74E-06	7.19E-06	4.24E-07	3.65E-06	6.91E-06	5.61E-07	4.89E-06	9.32E-06
3,109	4.37E-07	3.74E-06	7.19E-06	4.24E-07	3.65E-06	6.91E-06	5.61E-07	4.89E-06	9.32E-06
3,110	4.37E-07	3.74E-06	7.19E-06	4.24E-07	3.65E-06	6.91E-06	5.61E-07	4.88E-06	9.32E-06
3,111	4.37E-07	3.74E-06	7.18E-06	4.24E-07	3.64E-06	6.91E-06	5.61E-07	4.88E-06	9.31E-06
3,112	4.37E-07	3.74E-06	7.18E-06	4.24E-07	3.64E-06	6.91E-06	5.61E-07	4.88E-06	9.31E-06
3,113	4.36E-07	3.74E-06	7.18E-06	4.23E-07	3.64E-06	6.91E-06	5.61E-07	4.88E-06	9.30E-06
3,114	4.36E-07	3.73E-06	7.18E-06	4.23E-07	3.64E-06	6.90E-06	5.61E-07	4.88E-06	9.30E-06
3,115	4.36E-07	3.73E-06	7.17E-06	4.23E-07	3.64E-06	6.90E-06	5.60E-07	4.88E-06	9.30E-06
3,116	4.36E-07	3.73E-06	7.17E-06	4.23E-07	3.64E-06	6.89E-06	5.60E-07	4.87E-06	9.30E-06
3,117	4.36E-07	3.73E-06	7.17E-06	4.23E-07	3.64E-06	6.89E-06	5.60E-07	4.87E-06	9.30E-06
3,118	4.36E-07	3.73E-06	7.17E-06	4.23E-07	3.64E-06	6.88E-06	5.60E-07	4.87E-06	9.29E-06
3,119	4.36E-07	3.73E-06	7.17E-06	4.23E-07	3.64E-06	6.88E-06	5.60E-07	4.87E-06	9.29E-06
3,120	4.36E-07	3.73E-06	7.16E-06	4.23E-07	3.63E-06	6.88E-06	5.60E-07	4.86E-06	9.29E-06
3,121	4.36E-07	3.72E-06	7.16E-06	4.22E-07	3.63E-06	6.87E-06	5.60E-07	4.86E-06	9.28E-06
3,122	4.35E-07	3.72E-06	7.16E-06	4.22E-07	3.63E-06	6.87E-06	5.59E-07	4.86E-06	9.27E-06
3,123	4.35E-07	3.72E-06	7.16E-06	4.22E-07	3.63E-06	6.87E-06	5.59E-07	4.86E-06	9.27E-06
3,124	4.35E-07	3.72E-06	7.16E-06	4.22E-07	3.63E-06	6.87E-06	5.59E-07	4.86E-06	9.26E-06
3,125	4.35E-07	3.71E-06	7.15E-06	4.22E-07	3.63E-06	6.87E-06	5.59E-07	4.86E-06	9.26E-06
3,126	4.35E-07	3.71E-06	7.15E-06	4.22E-07	3.63E-06	6.87E-06	5.59E-07	4.86E-06	9.25E-06
3,127	4.35E-07	3.71E-06	7.15E-06	4.22E-07	3.63E-06	6.86E-06	5.59E-07	4.86E-06	9.25E-06
3,128	4.35E-07	3.71E-06	7.15E-06	4.22E-07	3.63E-06	6.86E-06	5.59E-07	4.85E-06	9.25E-06
3,129	4.34E-07	3.71E-06	7.15E-06	4.22E-07	3.63E-06	6.86E-06	5.59E-07	4.85E-06	9.24E-06
3,130	4.34E-07	3.71E-06	7.14E-06	4.22E-07	3.63E-06	6.86E-06	5.59E-07	4.85E-06	9.24E-06
3,131	4.34E-07	3.71E-06	7.14E-06	4.22E-07	3.63E-06	6.86E-06	5.58E-07	4.85E-06	9.23E-06
3,132	4.34E-07	3.71E-06	7.14E-06	4.22E-07	3.62E-06	6.86E-06	5.58E-07	4.84E-06	9.23E-06
3,133	4.34E-07	3.71E-06	7.14E-06	4.22E-07	3.62E-06	6.86E-06	5.58E-07	4.84E-06	9.23E-06
3,134	4.34E-07	3.70E-06	7.14E-06	4.22E-07	3.62E-06	6.86E-06	5.57E-07	4.84E-06	9.22E-06
3,135	4.34E-07	3.70E-06	7.14E-06	4.22E-07	3.62E-06	6.85E-06	5.57E-07	4.84E-06	9.21E-06
3,136	4.33E-07	3.70E-06	7.13E-06	4.22E-07	3.62E-06	6.85E-06	5.57E-07	4.83E-06	9.21E-06
3,137	4.33E-07	3.70E-06	7.13E-06	4.22E-07	3.62E-06	6.85E-06	5.57E-07	4.83E-06	9.21E-06
3,138	4.33E-07	3.70E-06	7.13E-06	4.21E-07	3.62E-06	6.84E-06	5.56E-07	4.83E-06	9.21E-06
3,139	4.33E-07	3.70E-06	7.13E-06	4.21E-07	3.62E-06	6.84E-06	5.56E-07	4.83E-06	9.21E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,140	4.33E-07	3.70E-06	7.13E-06	4.21E-07	3.62E-06	6.84E-06	5.56E-07	4.83E-06	9.21E-06
3,141	4.33E-07	3.70E-06	7.13E-06	4.21E-07	3.62E-06	6.84E-06	5.56E-07	4.83E-06	9.21E-06
3,142	4.32E-07	3.69E-06	7.13E-06	4.21E-07	3.61E-06	6.84E-06	5.56E-07	4.83E-06	9.20E-06
3,143	4.32E-07	3.69E-06	7.13E-06	4.21E-07	3.61E-06	6.84E-06	5.56E-07	4.83E-06	9.20E-06
3,144	4.32E-07	3.69E-06	7.12E-06	4.21E-07	3.61E-06	6.83E-06	5.55E-07	4.82E-06	9.19E-06
3,145	4.31E-07	3.69E-06	7.12E-06	4.21E-07	3.61E-06	6.83E-06	5.55E-07	4.82E-06	9.19E-06
3,146	4.31E-07	3.69E-06	7.12E-06	4.21E-07	3.61E-06	6.83E-06	5.55E-07	4.82E-06	9.19E-06
3,147	4.31E-07	3.69E-06	7.12E-06	4.20E-07	3.61E-06	6.82E-06	5.55E-07	4.82E-06	9.19E-06
3,148	4.31E-07	3.69E-06	7.12E-06	4.20E-07	3.60E-06	6.82E-06	5.55E-07	4.82E-06	9.19E-06
3,149	4.31E-07	3.69E-06	7.11E-06	4.20E-07	3.60E-06	6.82E-06	5.55E-07	4.82E-06	9.19E-06
3,150	4.31E-07	3.68E-06	7.11E-06	4.20E-07	3.60E-06	6.82E-06	5.55E-07	4.82E-06	9.18E-06
3,151	4.30E-07	3.68E-06	7.11E-06	4.20E-07	3.60E-06	6.81E-06	5.55E-07	4.82E-06	9.18E-06
3,152	4.30E-07	3.68E-06	7.11E-06	4.20E-07	3.60E-06	6.81E-06	5.55E-07	4.81E-06	9.18E-06
3,153	4.30E-07	3.68E-06	7.11E-06	4.20E-07	3.59E-06	6.81E-06	5.54E-07	4.81E-06	9.17E-06
3,154	4.30E-07	3.68E-06	7.10E-06	4.20E-07	3.59E-06	6.81E-06	5.54E-07	4.81E-06	9.17E-06
3,155	4.30E-07	3.68E-06	7.10E-06	4.20E-07	3.59E-06	6.80E-06	5.54E-07	4.81E-06	9.17E-06
3,156	4.30E-07	3.68E-06	7.10E-06	4.20E-07	3.59E-06	6.80E-06	5.54E-07	4.81E-06	9.17E-06
3,157	4.30E-07	3.68E-06	7.10E-06	4.20E-07	3.59E-06	6.80E-06	5.54E-07	4.81E-06	9.17E-06
3,158	4.30E-07	3.68E-06	7.10E-06	4.20E-07	3.59E-06	6.80E-06	5.54E-07	4.80E-06	9.17E-06
3,159	4.30E-07	3.67E-06	7.10E-06	4.20E-07	3.59E-06	6.79E-06	5.54E-07	4.80E-06	9.16E-06
3,160	4.30E-07	3.67E-06	7.10E-06	4.19E-07	3.59E-06	6.79E-06	5.53E-07	4.80E-06	9.16E-06
3,161	4.29E-07	3.67E-06	7.10E-06	4.19E-07	3.58E-06	6.79E-06	5.53E-07	4.80E-06	9.16E-06
3,162	4.29E-07	3.67E-06	7.10E-06	4.19E-07	3.58E-06	6.78E-06	5.53E-07	4.80E-06	9.16E-06
3,163	4.29E-07	3.67E-06	7.09E-06	4.19E-07	3.58E-06	6.78E-06	5.53E-07	4.80E-06	9.16E-06
3,164	4.29E-07	3.67E-06	7.09E-06	4.19E-07	3.58E-06	6.78E-06	5.52E-07	4.80E-06	9.15E-06
3,165	4.29E-07	3.67E-06	7.08E-06	4.18E-07	3.58E-06	6.78E-06	5.52E-07	4.80E-06	9.15E-06
3,166	4.28E-07	3.67E-06	7.08E-06	4.18E-07	3.58E-06	6.78E-06	5.52E-07	4.80E-06	9.15E-06
3,167	4.28E-07	3.67E-06	7.08E-06	4.18E-07	3.58E-06	6.77E-06	5.52E-07	4.79E-06	9.15E-06
3,168	4.27E-07	3.66E-06	7.08E-06	4.18E-07	3.58E-06	6.77E-06	5.52E-07	4.79E-06	9.15E-06
3,169	4.27E-07	3.66E-06	7.08E-06	4.18E-07	3.58E-06	6.77E-06	5.52E-07	4.79E-06	9.15E-06
3,170	4.27E-07	3.66E-06	7.08E-06	4.18E-07	3.58E-06	6.77E-06	5.52E-07	4.79E-06	9.14E-06
3,171	4.27E-07	3.66E-06	7.07E-06	4.18E-07	3.58E-06	6.77E-06	5.52E-07	4.79E-06	9.13E-06
3,172	4.27E-07	3.65E-06	7.07E-06	4.18E-07	3.57E-06	6.77E-06	5.51E-07	4.78E-06	9.13E-06
3,173	4.27E-07	3.65E-06	7.07E-06	4.18E-07	3.57E-06	6.76E-06	5.51E-07	4.78E-06	9.13E-06
3,174	4.27E-07	3.65E-06	7.07E-06	4.18E-07	3.57E-06	6.76E-06	5.51E-07	4.78E-06	9.13E-06
3,175	4.26E-07	3.64E-06	7.07E-06	4.18E-07	3.57E-06	6.76E-06	5.51E-07	4.78E-06	9.12E-06
3,176	4.26E-07	3.64E-06	7.07E-06	4.18E-07	3.57E-06	6.75E-06	5.50E-07	4.78E-06	9.12E-06
3,177	4.26E-07	3.64E-06	7.07E-06	4.18E-07	3.57E-06	6.75E-06	5.50E-07	4.78E-06	9.12E-06
3,178	4.26E-07	3.64E-06	7.07E-06	4.18E-07	3.57E-06	6.75E-06	5.50E-07	4.77E-06	9.11E-06
3,179	4.26E-07	3.64E-06	7.06E-06	4.17E-07	3.57E-06	6.75E-06	5.50E-07	4.77E-06	9.11E-06
3,180	4.25E-07	3.64E-06	7.06E-06	4.17E-07	3.57E-06	6.74E-06	5.50E-07	4.77E-06	9.11E-06
3,181	4.25E-07	3.64E-06	7.06E-06	4.17E-07	3.56E-06	6.73E-06	5.50E-07	4.77E-06	9.11E-06
3,182	4.24E-07	3.64E-06	7.05E-06	4.17E-07	3.56E-06	6.73E-06	5.50E-07	4.76E-06	9.10E-06
3,183	4.24E-07	3.63E-06	7.05E-06	4.16E-07	3.56E-06	6.73E-06	5.49E-07	4.76E-06	9.10E-06
3,184	4.24E-07	3.63E-06	7.05E-06	4.16E-07	3.56E-06	6.73E-06	5.49E-07	4.76E-06	9.10E-06
3,185	4.24E-07	3.63E-06	7.05E-06	4.16E-07	3.56E-06	6.72E-06	5.49E-07	4.76E-06	9.09E-06
3,186	4.24E-07	3.63E-06	7.04E-06	4.16E-07	3.56E-06	6.72E-06	5.49E-07	4.76E-06	9.09E-06
3,187	4.24E-07	3.63E-06	7.04E-06	4.16E-07	3.56E-06	6.72E-06	5.49E-07	4.76E-06	9.08E-06
3,188	4.24E-07	3.63E-06	7.02E-06	4.16E-07	3.56E-06	6.72E-06	5.49E-07	4.76E-06	9.08E-06
3,189	4.24E-07	3.63E-06	7.02E-06	4.16E-07	3.55E-06	6.72E-06	5.49E-07	4.76E-06	9.07E-06
3,190	4.24E-07	3.63E-06	7.02E-06	4.16E-07	3.55E-06	6.72E-06	5.48E-07	4.75E-06	9.07E-06
3,191	4.23E-07	3.63E-06	7.02E-06	4.16E-07	3.55E-06	6.71E-06	5.48E-07	4.75E-06	9.07E-06
3,192	4.23E-07	3.62E-06	7.02E-06	4.16E-07	3.55E-06	6.71E-06	5.48E-07	4.75E-06	9.06E-06
3,193	4.23E-07	3.62E-06	7.01E-06	4.16E-07	3.55E-06	6.71E-06	5.47E-07	4.75E-06	9.06E-06
3,194	4.23E-07	3.62E-06	7.01E-06	4.16E-07	3.55E-06	6.70E-06	5.47E-07	4.74E-06	9.06E-06
3,195	4.22E-07	3.62E-06	7.01E-06	4.16E-07	3.55E-06	6.70E-06	5.47E-07	4.74E-06	9.06E-06
3,196	4.22E-07	3.62E-06	7.01E-06	4.16E-07	3.55E-06	6.70E-06	5.47E-07	4.74E-06	9.05E-06
3,197	4.22E-07	3.62E-06	7.01E-06	4.16E-07	3.55E-06	6.70E-06	5.47E-07	4.74E-06	9.05E-06
3,198	4.22E-07	3.62E-06	7.01E-06	4.16E-07	3.54E-06	6.70E-06	5.47E-07	4.73E-06	9.05E-06
3,199	4.21E-07	3.62E-06	7.00E-06	4.16E-07	3.54E-06	6.69E-06	5.47E-07	4.73E-06	9.05E-06
3,200	4.21E-07	3.62E-06	7.00E-06	4.15E-07	3.54E-06	6.69E-06	5.46E-07	4.73E-06	9.04E-06
3,201	4.21E-07	3.61E-06	7.00E-06	4.15E-07	3.54E-06	6.69E-06	5.46E-07	4.73E-06	9.04E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,202	4.21E-07	3.61E-06	7.00E-06	4.15E-07	3.54E-06	6.69E-06	5.46E-07	4.72E-06	9.04E-06
3,203	4.21E-07	3.61E-06	7.00E-06	4.15E-07	3.54E-06	6.69E-06	5.46E-07	4.72E-06	9.04E-06
3,204	4.21E-07	3.61E-06	7.00E-06	4.15E-07	3.54E-06	6.68E-06	5.46E-07	4.72E-06	9.04E-06
3,205	4.21E-07	3.61E-06	7.00E-06	4.14E-07	3.54E-06	6.68E-06	5.46E-07	4.71E-06	9.03E-06
3,206	4.20E-07	3.60E-06	6.99E-06	4.14E-07	3.53E-06	6.68E-06	5.46E-07	4.71E-06	9.03E-06
3,207	4.20E-07	3.60E-06	6.99E-06	4.14E-07	3.53E-06	6.68E-06	5.45E-07	4.71E-06	9.03E-06
3,208	4.20E-07	3.60E-06	6.99E-06	4.14E-07	3.53E-06	6.68E-06	5.45E-07	4.70E-06	9.02E-06
3,209	4.20E-07	3.60E-06	6.99E-06	4.14E-07	3.53E-06	6.67E-06	5.44E-07	4.70E-06	9.02E-06
3,210	4.20E-07	3.60E-06	6.98E-06	4.14E-07	3.53E-06	6.67E-06	5.44E-07	4.70E-06	9.02E-06
3,211	4.20E-07	3.60E-06	6.98E-06	4.14E-07	3.53E-06	6.67E-06	5.44E-07	4.70E-06	9.02E-06
3,212	4.20E-07	3.60E-06	6.98E-06	4.14E-07	3.53E-06	6.67E-06	5.44E-07	4.70E-06	9.02E-06
3,213	4.20E-07	3.60E-06	6.98E-06	4.13E-07	3.53E-06	6.67E-06	5.43E-07	4.69E-06	9.02E-06
3,214	4.20E-07	3.60E-06	6.98E-06	4.13E-07	3.52E-06	6.67E-06	5.43E-07	4.69E-06	9.00E-06
3,215	4.19E-07	3.60E-06	6.97E-06	4.13E-07	3.52E-06	6.67E-06	5.43E-07	4.69E-06	9.00E-06
3,216	4.19E-07	3.60E-06	6.97E-06	4.13E-07	3.52E-06	6.66E-06	5.43E-07	4.69E-06	9.00E-06
3,217	4.19E-07	3.59E-06	6.97E-06	4.13E-07	3.51E-06	6.66E-06	5.43E-07	4.69E-06	8.99E-06
3,218	4.19E-07	3.59E-06	6.96E-06	4.13E-07	3.51E-06	6.66E-06	5.43E-07	4.69E-06	8.98E-06
3,219	4.19E-07	3.59E-06	6.96E-06	4.13E-07	3.51E-06	6.66E-06	5.43E-07	4.69E-06	8.98E-06
3,220	4.19E-07	3.59E-06	6.96E-06	4.13E-07	3.51E-06	6.66E-06	5.43E-07	4.68E-06	8.98E-06
3,221	4.19E-07	3.59E-06	6.96E-06	4.13E-07	3.50E-06	6.66E-06	5.42E-07	4.67E-06	8.98E-06
3,222	4.18E-07	3.59E-06	6.95E-06	4.13E-07	3.50E-06	6.66E-06	5.42E-07	4.67E-06	8.97E-06
3,223	4.18E-07	3.59E-06	6.95E-06	4.13E-07	3.50E-06	6.66E-06	5.42E-07	4.67E-06	8.97E-06
3,224	4.18E-07	3.59E-06	6.95E-06	4.12E-07	3.50E-06	6.65E-06	5.42E-07	4.67E-06	8.97E-06
3,225	4.18E-07	3.58E-06	6.94E-06	4.12E-07	3.50E-06	6.65E-06	5.42E-07	4.67E-06	8.97E-06
3,226	4.18E-07	3.58E-06	6.94E-06	4.12E-07	3.50E-06	6.65E-06	5.42E-07	4.67E-06	8.96E-06
3,227	4.18E-07	3.58E-06	6.94E-06	4.12E-07	3.50E-06	6.65E-06	5.42E-07	4.66E-06	8.95E-06
3,228	4.18E-07	3.58E-06	6.94E-06	4.12E-07	3.50E-06	6.65E-06	5.42E-07	4.66E-06	8.95E-06
3,229	4.18E-07	3.58E-06	6.93E-06	4.12E-07	3.49E-06	6.65E-06	5.42E-07	4.66E-06	8.95E-06
3,230	4.18E-07	3.58E-06	6.92E-06	4.11E-07	3.49E-06	6.64E-06	5.42E-07	4.66E-06	8.95E-06
3,231	4.18E-07	3.58E-06	6.92E-06	4.11E-07	3.49E-06	6.64E-06	5.42E-07	4.66E-06	8.95E-06
3,232	4.18E-07	3.57E-06	6.92E-06	4.11E-07	3.49E-06	6.64E-06	5.42E-07	4.65E-06	8.95E-06
3,233	4.18E-07	3.57E-06	6.91E-06	4.11E-07	3.49E-06	6.63E-06	5.41E-07	4.65E-06	8.95E-06
3,234	4.17E-07	3.57E-06	6.91E-06	4.11E-07	3.49E-06	6.63E-06	5.41E-07	4.65E-06	8.94E-06
3,235	4.17E-07	3.57E-06	6.91E-06	4.10E-07	3.49E-06	6.63E-06	5.41E-07	4.65E-06	8.93E-06
3,236	4.17E-07	3.57E-06	6.91E-06	4.10E-07	3.49E-06	6.63E-06	5.41E-07	4.65E-06	8.93E-06
3,237	4.17E-07	3.57E-06	6.90E-06	4.10E-07	3.49E-06	6.63E-06	5.41E-07	4.64E-06	8.93E-06
3,238	4.17E-07	3.57E-06	6.90E-06	4.10E-07	3.49E-06	6.63E-06	5.41E-07	4.64E-06	8.92E-06
3,239	4.17E-07	3.56E-06	6.90E-06	4.10E-07	3.49E-06	6.63E-06	5.40E-07	4.64E-06	8.92E-06
3,240	4.17E-07	3.56E-06	6.89E-06	4.10E-07	3.49E-06	6.63E-06	5.40E-07	4.64E-06	8.92E-06
3,241	4.17E-07	3.56E-06	6.89E-06	4.10E-07	3.48E-06	6.63E-06	5.40E-07	4.64E-06	8.92E-06
3,242	4.17E-07	3.56E-06	6.89E-06	4.10E-07	3.48E-06	6.62E-06	5.40E-07	4.64E-06	8.92E-06
3,243	4.17E-07	3.56E-06	6.89E-06	4.10E-07	3.48E-06	6.62E-06	5.39E-07	4.64E-06	8.91E-06
3,244	4.16E-07	3.56E-06	6.88E-06	4.09E-07	3.48E-06	6.62E-06	5.39E-07	4.64E-06	8.91E-06
3,245	4.16E-07	3.56E-06	6.88E-06	4.09E-07	3.48E-06	6.62E-06	5.39E-07	4.64E-06	8.91E-06
3,246	4.16E-07	3.56E-06	6.88E-06	4.09E-07	3.48E-06	6.62E-06	5.39E-07	4.64E-06	8.90E-06
3,247	4.16E-07	3.56E-06	6.87E-06	4.09E-07	3.48E-06	6.62E-06	5.39E-07	4.64E-06	8.90E-06
3,248	4.16E-07	3.56E-06	6.87E-06	4.09E-07	3.48E-06	6.61E-06	5.39E-07	4.64E-06	8.89E-06
3,249	4.16E-07	3.56E-06	6.87E-06	4.09E-07	3.48E-06	6.61E-06	5.39E-07	4.64E-06	8.89E-06
3,250	4.16E-07	3.55E-06	6.87E-06	4.09E-07	3.48E-06	6.61E-06	5.39E-07	4.63E-06	8.89E-06
3,251	4.16E-07	3.55E-06	6.87E-06	4.09E-07	3.48E-06	6.60E-06	5.38E-07	4.63E-06	8.89E-06
3,252	4.15E-07	3.55E-06	6.86E-06	4.09E-07	3.48E-06	6.60E-06	5.38E-07	4.63E-06	8.89E-06
3,253	4.15E-07	3.55E-06	6.86E-06	4.08E-07	3.48E-06	6.60E-06	5.38E-07	4.63E-06	8.88E-06
3,254	4.15E-07	3.55E-06	6.86E-06	4.08E-07	3.47E-06	6.60E-06	5.38E-07	4.63E-06	8.88E-06
3,255	4.15E-07	3.55E-06	6.86E-06	4.08E-07	3.47E-06	6.60E-06	5.38E-07	4.63E-06	8.88E-06
3,256	4.15E-07	3.55E-06	6.86E-06	4.08E-07	3.47E-06	6.59E-06	5.37E-07	4.63E-06	8.88E-06
3,257	4.15E-07	3.55E-06	6.86E-06	4.08E-07	3.47E-06	6.59E-06	5.37E-07	4.62E-06	8.87E-06
3,258	4.15E-07	3.55E-06	6.85E-06	4.08E-07	3.47E-06	6.59E-06	5.37E-07	4.62E-06	8.87E-06
3,259	4.14E-07	3.55E-06	6.85E-06	4.08E-07	3.47E-06	6.59E-06	5.37E-07	4.62E-06	8.87E-06
3,260	4.14E-07	3.55E-06	6.85E-06	4.08E-07	3.47E-06	6.59E-06	5.37E-07	4.62E-06	8.87E-06
3,261	4.14E-07	3.55E-06	6.85E-06	4.07E-07	3.47E-06	6.59E-06	5.36E-07	4.62E-06	8.86E-06
3,262	4.14E-07	3.55E-06	6.85E-06	4.07E-07	3.47E-06	6.58E-06	5.36E-07	4.61E-06	8.86E-06
3,263	4.14E-07	3.54E-06	6.84E-06	4.07E-07	3.46E-06	6.58E-06	5.36E-07	4.61E-06	8.86E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,264	4.14E-07	3.54E-06	6.84E-06	4.07E-07	3.46E-06	6.58E-06	5.36E-07	4.61E-06	8.85E-06
3,265	4.14E-07	3.54E-06	6.84E-06	4.07E-07	3.46E-06	6.58E-06	5.36E-07	4.61E-06	8.85E-06
3,266	4.14E-07	3.54E-06	6.84E-06	4.06E-07	3.46E-06	6.58E-06	5.36E-07	4.61E-06	8.85E-06
3,267	4.14E-07	3.54E-06	6.83E-06	4.06E-07	3.46E-06	6.58E-06	5.35E-07	4.61E-06	8.85E-06
3,268	4.14E-07	3.54E-06	6.83E-06	4.06E-07	3.46E-06	6.58E-06	5.35E-07	4.60E-06	8.85E-06
3,269	4.14E-07	3.54E-06	6.83E-06	4.06E-07	3.46E-06	6.57E-06	5.35E-07	4.60E-06	8.85E-06
3,270	4.14E-07	3.54E-06	6.83E-06	4.06E-07	3.45E-06	6.57E-06	5.35E-07	4.60E-06	8.85E-06
3,271	4.14E-07	3.54E-06	6.83E-06	4.06E-07	3.45E-06	6.57E-06	5.35E-07	4.60E-06	8.85E-06
3,272	4.14E-07	3.53E-06	6.83E-06	4.06E-07	3.45E-06	6.57E-06	5.35E-07	4.60E-06	8.84E-06
3,273	4.14E-07	3.53E-06	6.83E-06	4.06E-07	3.45E-06	6.57E-06	5.34E-07	4.60E-06	8.84E-06
3,274	4.14E-07	3.53E-06	6.82E-06	4.06E-07	3.45E-06	6.56E-06	5.34E-07	4.59E-06	8.84E-06
3,275	4.14E-07	3.53E-06	6.82E-06	4.05E-07	3.45E-06	6.56E-06	5.34E-07	4.59E-06	8.84E-06
3,276	4.14E-07	3.53E-06	6.82E-06	4.05E-07	3.45E-06	6.56E-06	5.33E-07	4.59E-06	8.84E-06
3,277	4.13E-07	3.53E-06	6.82E-06	4.05E-07	3.44E-06	6.56E-06	5.33E-07	4.58E-06	8.83E-06
3,278	4.13E-07	3.53E-06	6.82E-06	4.05E-07	3.44E-06	6.56E-06	5.33E-07	4.58E-06	8.83E-06
3,279	4.13E-07	3.53E-06	6.82E-06	4.05E-07	3.44E-06	6.56E-06	5.33E-07	4.58E-06	8.83E-06
3,280	4.13E-07	3.53E-06	6.81E-06	4.05E-07	3.44E-06	6.56E-06	5.33E-07	4.58E-06	8.82E-06
3,281	4.13E-07	3.53E-06	6.81E-06	4.05E-07	3.44E-06	6.55E-06	5.33E-07	4.58E-06	8.82E-06
3,282	4.13E-07	3.53E-06	6.80E-06	4.04E-07	3.44E-06	6.55E-06	5.33E-07	4.58E-06	8.82E-06
3,283	4.12E-07	3.52E-06	6.80E-06	4.04E-07	3.44E-06	6.54E-06	5.33E-07	4.57E-06	8.81E-06
3,284	4.12E-07	3.52E-06	6.80E-06	4.04E-07	3.44E-06	6.54E-06	5.33E-07	4.57E-06	8.81E-06
3,285	4.12E-07	3.52E-06	6.80E-06	4.04E-07	3.44E-06	6.54E-06	5.32E-07	4.57E-06	8.81E-06
3,286	4.12E-07	3.52E-06	6.80E-06	4.04E-07	3.44E-06	6.54E-06	5.32E-07	4.57E-06	8.80E-06
3,287	4.12E-07	3.52E-06	6.79E-06	4.04E-07	3.44E-06	6.54E-06	5.32E-07	4.57E-06	8.80E-06
3,288	4.12E-07	3.52E-06	6.79E-06	4.04E-07	3.44E-06	6.53E-06	5.32E-07	4.57E-06	8.80E-06
3,289	4.12E-07	3.52E-06	6.79E-06	4.04E-07	3.43E-06	6.53E-06	5.32E-07	4.57E-06	8.80E-06
3,290	4.11E-07	3.52E-06	6.78E-06	4.04E-07	3.43E-06	6.53E-06	5.31E-07	4.57E-06	8.79E-06
3,291	4.11E-07	3.52E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.56E-06	8.78E-06
3,292	4.11E-07	3.52E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.56E-06	8.78E-06
3,293	4.11E-07	3.52E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.56E-06	8.78E-06
3,294	4.10E-07	3.51E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.55E-06	8.77E-06
3,295	4.10E-07	3.51E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.55E-06	8.77E-06
3,296	4.10E-07	3.51E-06	6.78E-06	4.03E-07	3.43E-06	6.52E-06	5.31E-07	4.54E-06	8.76E-06
3,297	4.10E-07	3.51E-06	6.78E-06	4.03E-07	3.42E-06	6.52E-06	5.31E-07	4.54E-06	8.76E-06
3,298	4.10E-07	3.51E-06	6.77E-06	4.03E-07	3.42E-06	6.52E-06	5.31E-07	4.54E-06	8.76E-06
3,299	4.10E-07	3.51E-06	6.77E-06	4.03E-07	3.42E-06	6.52E-06	5.30E-07	4.54E-06	8.75E-06
3,300	4.10E-07	3.51E-06	6.77E-06	4.03E-07	3.42E-06	6.52E-06	5.30E-07	4.54E-06	8.75E-06
3,301	4.09E-07	3.50E-06	6.77E-06	4.03E-07	3.42E-06	6.52E-06	5.30E-07	4.53E-06	8.75E-06
3,302	4.09E-07	3.50E-06	6.76E-06	4.03E-07	3.42E-06	6.52E-06	5.30E-07	4.53E-06	8.74E-06
3,303	4.09E-07	3.50E-06	6.76E-06	4.03E-07	3.42E-06	6.51E-06	5.30E-07	4.52E-06	8.74E-06
3,304	4.09E-07	3.50E-06	6.76E-06	4.02E-07	3.42E-06	6.51E-06	5.30E-07	4.52E-06	8.73E-06
3,305	4.09E-07	3.50E-06	6.76E-06	4.02E-07	3.42E-06	6.51E-06	5.30E-07	4.52E-06	8.73E-06
3,306	4.09E-07	3.50E-06	6.75E-06	4.02E-07	3.41E-06	6.51E-06	5.29E-07	4.52E-06	8.73E-06
3,307	4.09E-07	3.50E-06	6.75E-06	4.02E-07	3.41E-06	6.51E-06	5.29E-07	4.52E-06	8.73E-06
3,308	4.09E-07	3.50E-06	6.75E-06	4.02E-07	3.41E-06	6.51E-06	5.29E-07	4.52E-06	8.72E-06
3,309	4.09E-07	3.50E-06	6.75E-06	4.02E-07	3.41E-06	6.50E-06	5.29E-07	4.52E-06	8.72E-06
3,310	4.08E-07	3.50E-06	6.75E-06	4.02E-07	3.41E-06	6.50E-06	5.28E-07	4.52E-06	8.72E-06
3,311	4.08E-07	3.50E-06	6.74E-06	4.01E-07	3.41E-06	6.50E-06	5.28E-07	4.52E-06	8.72E-06
3,312	4.08E-07	3.50E-06	6.74E-06	4.01E-07	3.41E-06	6.49E-06	5.28E-07	4.52E-06	8.71E-06
3,313	4.08E-07	3.49E-06	6.74E-06	4.01E-07	3.41E-06	6.49E-06	5.27E-07	4.51E-06	8.71E-06
3,314	4.08E-07	3.49E-06	6.74E-06	4.01E-07	3.41E-06	6.49E-06	5.27E-07	4.51E-06	8.71E-06
3,315	4.08E-07	3.49E-06	6.74E-06	4.01E-07	3.41E-06	6.49E-06	5.27E-07	4.51E-06	8.71E-06
3,316	4.08E-07	3.49E-06	6.74E-06	4.01E-07	3.41E-06	6.48E-06	5.27E-07	4.51E-06	8.71E-06
3,317	4.08E-07	3.49E-06	6.73E-06	4.01E-07	3.40E-06	6.48E-06	5.27E-07	4.51E-06	8.71E-06
3,318	4.08E-07	3.49E-06	6.73E-06	4.00E-07	3.40E-06	6.48E-06	5.27E-07	4.51E-06	8.70E-06
3,319	4.08E-07	3.49E-06	6.73E-06	4.00E-07	3.40E-06	6.48E-06	5.26E-07	4.51E-06	8.69E-06
3,320	4.08E-07	3.49E-06	6.72E-06	4.00E-07	3.40E-06	6.48E-06	5.26E-07	4.50E-06	8.69E-06
3,321	4.07E-07	3.49E-06	6.72E-06	4.00E-07	3.40E-06	6.48E-06	5.26E-07	4.50E-06	8.69E-06
3,322	4.07E-07	3.49E-06	6.72E-06	4.00E-07	3.40E-06	6.48E-06	5.26E-07	4.50E-06	8.69E-06
3,323	4.07E-07	3.49E-06	6.72E-06	4.00E-07	3.40E-06	6.48E-06	5.26E-07	4.50E-06	8.69E-06
3,324	4.07E-07	3.48E-06	6.72E-06	3.99E-07	3.40E-06	6.48E-06	5.26E-07	4.50E-06	8.68E-06
3,325	4.07E-07	3.48E-06	6.72E-06	3.99E-07	3.40E-06	6.48E-06	5.25E-07	4.50E-06	8.68E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,326	4.07E-07	3.48E-06	6.72E-06	3.99E-07	3.40E-06	6.47E-06	5.25E-07	4.49E-06	8.68E-06
3,327	4.07E-07	3.48E-06	6.71E-06	3.99E-07	3.40E-06	6.47E-06	5.25E-07	4.49E-06	8.67E-06
3,328	4.07E-07	3.48E-06	6.71E-06	3.99E-07	3.39E-06	6.47E-06	5.25E-07	4.48E-06	8.67E-06
3,329	4.07E-07	3.48E-06	6.71E-06	3.98E-07	3.39E-06	6.47E-06	5.25E-07	4.48E-06	8.67E-06
3,330	4.07E-07	3.48E-06	6.71E-06	3.98E-07	3.39E-06	6.47E-06	5.24E-07	4.48E-06	8.65E-06
3,331	4.06E-07	3.48E-06	6.70E-06	3.98E-07	3.39E-06	6.47E-06	5.24E-07	4.48E-06	8.65E-06
3,332	4.06E-07	3.47E-06	6.69E-06	3.98E-07	3.39E-06	6.46E-06	5.24E-07	4.48E-06	8.65E-06
3,333	4.06E-07	3.47E-06	6.69E-06	3.98E-07	3.39E-06	6.46E-06	5.24E-07	4.48E-06	8.64E-06
3,334	4.06E-07	3.47E-06	6.68E-06	3.98E-07	3.39E-06	6.46E-06	5.24E-07	4.48E-06	8.64E-06
3,335	4.06E-07	3.47E-06	6.68E-06	3.98E-07	3.39E-06	6.46E-06	5.24E-07	4.48E-06	8.64E-06
3,336	4.06E-07	3.47E-06	6.68E-06	3.98E-07	3.39E-06	6.46E-06	5.24E-07	4.48E-06	8.64E-06
3,337	4.06E-07	3.47E-06	6.68E-06	3.97E-07	3.39E-06	6.45E-06	5.23E-07	4.47E-06	8.64E-06
3,338	4.06E-07	3.47E-06	6.67E-06	3.97E-07	3.38E-06	6.45E-06	5.23E-07	4.47E-06	8.63E-06
3,339	4.06E-07	3.47E-06	6.67E-06	3.97E-07	3.38E-06	6.45E-06	5.23E-07	4.47E-06	8.63E-06
3,340	4.06E-07	3.46E-06	6.67E-06	3.97E-07	3.38E-06	6.45E-06	5.23E-07	4.46E-06	8.63E-06
3,341	4.06E-07	3.46E-06	6.67E-06	3.97E-07	3.38E-06	6.45E-06	5.23E-07	4.46E-06	8.63E-06
3,342	4.06E-07	3.46E-06	6.67E-06	3.97E-07	3.38E-06	6.45E-06	5.22E-07	4.46E-06	8.63E-06
3,343	4.06E-07	3.46E-06	6.67E-06	3.97E-07	3.38E-06	6.44E-06	5.22E-07	4.46E-06	8.63E-06
3,344	4.05E-07	3.45E-06	6.67E-06	3.96E-07	3.38E-06	6.44E-06	5.22E-07	4.46E-06	8.63E-06
3,345	4.05E-07	3.45E-06	6.66E-06	3.96E-07	3.38E-06	6.44E-06	5.22E-07	4.46E-06	8.62E-06
3,346	4.05E-07	3.45E-06	6.66E-06	3.96E-07	3.38E-06	6.43E-06	5.22E-07	4.46E-06	8.62E-06
3,347	4.05E-07	3.45E-06	6.66E-06	3.96E-07	3.38E-06	6.43E-06	5.21E-07	4.45E-06	8.62E-06
3,348	4.05E-07	3.45E-06	6.66E-06	3.96E-07	3.38E-06	6.43E-06	5.21E-07	4.45E-06	8.62E-06
3,349	4.05E-07	3.45E-06	6.66E-06	3.96E-07	3.38E-06	6.43E-06	5.21E-07	4.45E-06	8.62E-06
3,350	4.04E-07	3.45E-06	6.65E-06	3.96E-07	3.37E-06	6.43E-06	5.21E-07	4.45E-06	8.62E-06
3,351	4.04E-07	3.45E-06	6.65E-06	3.96E-07	3.37E-06	6.42E-06	5.21E-07	4.45E-06	8.61E-06
3,352	4.04E-07	3.45E-06	6.65E-06	3.96E-07	3.37E-06	6.42E-06	5.21E-07	4.45E-06	8.61E-06
3,353	4.04E-07	3.45E-06	6.65E-06	3.96E-07	3.37E-06	6.42E-06	5.21E-07	4.45E-06	8.61E-06
3,354	4.04E-07	3.45E-06	6.65E-06	3.96E-07	3.37E-06	6.42E-06	5.21E-07	4.45E-06	8.60E-06
3,355	4.03E-07	3.44E-06	6.65E-06	3.96E-07	3.36E-06	6.42E-06	5.21E-07	4.44E-06	8.60E-06
3,356	4.03E-07	3.44E-06	6.64E-06	3.95E-07	3.36E-06	6.42E-06	5.21E-07	4.44E-06	8.60E-06
3,357	4.03E-07	3.44E-06	6.64E-06	3.95E-07	3.36E-06	6.42E-06	5.21E-07	4.44E-06	8.59E-06
3,358	4.03E-07	3.44E-06	6.64E-06	3.95E-07	3.36E-06	6.41E-06	5.21E-07	4.43E-06	8.59E-06
3,359	4.03E-07	3.44E-06	6.64E-06	3.95E-07	3.36E-06	6.41E-06	5.21E-07	4.43E-06	8.59E-06
3,360	4.03E-07	3.44E-06	6.63E-06	3.95E-07	3.35E-06	6.41E-06	5.20E-07	4.43E-06	8.58E-06
3,361	4.02E-07	3.44E-06	6.63E-06	3.94E-07	3.35E-06	6.41E-06	5.20E-07	4.43E-06	8.58E-06
3,362	4.02E-07	3.44E-06	6.63E-06	3.94E-07	3.35E-06	6.41E-06	5.20E-07	4.43E-06	8.58E-06
3,363	4.02E-07	3.44E-06	6.63E-06	3.94E-07	3.35E-06	6.40E-06	5.20E-07	4.42E-06	8.57E-06
3,364	4.02E-07	3.44E-06	6.63E-06	3.94E-07	3.35E-06	6.40E-06	5.20E-07	4.42E-06	8.57E-06
3,365	4.02E-07	3.44E-06	6.63E-06	3.94E-07	3.34E-06	6.40E-06	5.19E-07	4.42E-06	8.57E-06
3,366	4.02E-07	3.43E-06	6.63E-06	3.93E-07	3.34E-06	6.40E-06	5.19E-07	4.42E-06	8.57E-06
3,367	4.02E-07	3.43E-06	6.63E-06	3.93E-07	3.34E-06	6.39E-06	5.19E-07	4.42E-06	8.56E-06
3,368	4.02E-07	3.43E-06	6.62E-06	3.93E-07	3.34E-06	6.39E-06	5.19E-07	4.42E-06	8.56E-06
3,369	4.02E-07	3.43E-06	6.62E-06	3.93E-07	3.34E-06	6.39E-06	5.19E-07	4.42E-06	8.56E-06
3,370	4.01E-07	3.43E-06	6.62E-06	3.93E-07	3.34E-06	6.39E-06	5.18E-07	4.41E-06	8.56E-06
3,371	4.01E-07	3.43E-06	6.62E-06	3.93E-07	3.34E-06	6.39E-06	5.18E-07	4.41E-06	8.55E-06
3,372	4.01E-07	3.43E-06	6.62E-06	3.93E-07	3.34E-06	6.39E-06	5.18E-07	4.41E-06	8.55E-06
3,373	4.01E-07	3.43E-06	6.61E-06	3.93E-07	3.33E-06	6.39E-06	5.18E-07	4.41E-06	8.55E-06
3,374	4.01E-07	3.42E-06	6.61E-06	3.93E-07	3.33E-06	6.39E-06	5.18E-07	4.41E-06	8.54E-06
3,375	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.39E-06	5.18E-07	4.40E-06	8.53E-06
3,376	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.38E-06	5.18E-07	4.40E-06	8.53E-06
3,377	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.38E-06	5.18E-07	4.39E-06	8.53E-06
3,378	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.38E-06	5.18E-07	4.39E-06	8.53E-06
3,379	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.38E-06	5.18E-07	4.39E-06	8.52E-06
3,380	4.01E-07	3.42E-06	6.61E-06	3.92E-07	3.33E-06	6.37E-06	5.18E-07	4.39E-06	8.52E-06
3,381	4.01E-07	3.41E-06	6.60E-06	3.92E-07	3.33E-06	6.37E-06	5.18E-07	4.39E-06	8.51E-06
3,382	4.00E-07	3.41E-06	6.60E-06	3.92E-07	3.33E-06	6.37E-06	5.18E-07	4.39E-06	8.51E-06
3,383	4.00E-07	3.41E-06	6.59E-06	3.92E-07	3.33E-06	6.37E-06	5.18E-07	4.38E-06	8.51E-06
3,384	4.00E-07	3.41E-06	6.59E-06	3.92E-07	3.33E-06	6.37E-06	5.18E-07	4.38E-06	8.51E-06
3,385	4.00E-07	3.41E-06	6.59E-06	3.92E-07	3.32E-06	6.37E-06	5.18E-07	4.38E-06	8.49E-06
3,386	4.00E-07	3.41E-06	6.59E-06	3.92E-07	3.32E-06	6.37E-06	5.17E-07	4.38E-06	8.48E-06
3,387	4.00E-07	3.41E-06	6.59E-06	3.92E-07	3.32E-06	6.37E-06	5.17E-07	4.37E-06	8.48E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,388	4.00E-07	3.40E-06	6.58E-06	3.92E-07	3.32E-06	6.36E-06	5.17E-07	4.37E-06	8.48E-06
3,389	4.00E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.48E-06
3,390	4.00E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.48E-06
3,391	4.00E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.48E-06
3,392	3.99E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.47E-06
3,393	3.99E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.47E-06
3,394	3.99E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.36E-06	5.16E-07	4.37E-06	8.47E-06
3,395	3.99E-07	3.40E-06	6.57E-06	3.91E-07	3.32E-06	6.35E-06	5.16E-07	4.36E-06	8.46E-06
3,396	3.99E-07	3.40E-06	6.56E-06	3.91E-07	3.31E-06	6.35E-06	5.16E-07	4.36E-06	8.46E-06
3,397	3.99E-07	3.40E-06	6.56E-06	3.91E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.46E-06
3,398	3.99E-07	3.40E-06	6.56E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.46E-06
3,399	3.98E-07	3.40E-06	6.56E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.46E-06
3,400	3.98E-07	3.40E-06	6.56E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.46E-06
3,401	3.98E-07	3.40E-06	6.56E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.45E-06
3,402	3.98E-07	3.40E-06	6.55E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.45E-06
3,403	3.98E-07	3.39E-06	6.55E-06	3.90E-07	3.31E-06	6.35E-06	5.15E-07	4.36E-06	8.45E-06
3,404	3.98E-07	3.39E-06	6.55E-06	3.90E-07	3.31E-06	6.35E-06	5.14E-07	4.36E-06	8.44E-06
3,405	3.98E-07	3.39E-06	6.55E-06	3.90E-07	3.31E-06	6.34E-06	5.14E-07	4.36E-06	8.44E-06
3,406	3.98E-07	3.39E-06	6.55E-06	3.90E-07	3.31E-06	6.34E-06	5.14E-07	4.36E-06	8.44E-06
3,407	3.98E-07	3.39E-06	6.55E-06	3.90E-07	3.30E-06	6.34E-06	5.14E-07	4.35E-06	8.43E-06
3,408	3.97E-07	3.39E-06	6.55E-06	3.89E-07	3.30E-06	6.34E-06	5.14E-07	4.34E-06	8.43E-06
3,409	3.97E-07	3.39E-06	6.55E-06	3.89E-07	3.30E-06	6.33E-06	5.14E-07	4.34E-06	8.43E-06
3,410	3.97E-07	3.39E-06	6.55E-06	3.89E-07	3.30E-06	6.33E-06	5.14E-07	4.34E-06	8.43E-06
3,411	3.97E-07	3.39E-06	6.54E-06	3.89E-07	3.29E-06	6.33E-06	5.14E-07	4.34E-06	8.42E-06
3,412	3.97E-07	3.39E-06	6.54E-06	3.89E-07	3.29E-06	6.33E-06	5.13E-07	4.34E-06	8.42E-06
3,413	3.97E-07	3.39E-06	6.54E-06	3.89E-07	3.29E-06	6.33E-06	5.13E-07	4.33E-06	8.42E-06
3,414	3.97E-07	3.38E-06	6.54E-06	3.89E-07	3.29E-06	6.33E-06	5.12E-07	4.33E-06	8.42E-06
3,415	3.97E-07	3.38E-06	6.54E-06	3.89E-07	3.29E-06	6.33E-06	5.12E-07	4.33E-06	8.41E-06
3,416	3.96E-07	3.38E-06	6.54E-06	3.88E-07	3.29E-06	6.32E-06	5.12E-07	4.33E-06	8.41E-06
3,417	3.96E-07	3.38E-06	6.53E-06	3.88E-07	3.29E-06	6.32E-06	5.12E-07	4.33E-06	8.41E-06
3,418	3.96E-07	3.38E-06	6.53E-06	3.88E-07	3.29E-06	6.32E-06	5.12E-07	4.33E-06	8.41E-06
3,419	3.96E-07	3.38E-06	6.53E-06	3.88E-07	3.29E-06	6.32E-06	5.12E-07	4.32E-06	8.41E-06
3,420	3.96E-07	3.38E-06	6.53E-06	3.88E-07	3.29E-06	6.32E-06	5.12E-07	4.32E-06	8.41E-06
3,421	3.96E-07	3.38E-06	6.52E-06	3.88E-07	3.29E-06	6.32E-06	5.11E-07	4.32E-06	8.41E-06
3,422	3.96E-07	3.38E-06	6.52E-06	3.88E-07	3.29E-06	6.32E-06	5.11E-07	4.32E-06	8.40E-06
3,423	3.96E-07	3.37E-06	6.52E-06	3.88E-07	3.29E-06	6.31E-06	5.11E-07	4.32E-06	8.40E-06
3,424	3.96E-07	3.37E-06	6.52E-06	3.87E-07	3.29E-06	6.31E-06	5.11E-07	4.32E-06	8.40E-06
3,425	3.95E-07	3.37E-06	6.52E-06	3.87E-07	3.29E-06	6.31E-06	5.11E-07	4.32E-06	8.40E-06
3,426	3.95E-07	3.37E-06	6.52E-06	3.87E-07	3.28E-06	6.30E-06	5.10E-07	4.32E-06	8.39E-06
3,427	3.95E-07	3.37E-06	6.52E-06	3.87E-07	3.28E-06	6.30E-06	5.10E-07	4.32E-06	8.39E-06
3,428	3.95E-07	3.37E-06	6.52E-06	3.87E-07	3.28E-06	6.30E-06	5.09E-07	4.32E-06	8.39E-06
3,429	3.95E-07	3.36E-06	6.51E-06	3.87E-07	3.28E-06	6.30E-06	5.09E-07	4.32E-06	8.39E-06
3,430	3.95E-07	3.36E-06	6.51E-06	3.87E-07	3.28E-06	6.30E-06	5.09E-07	4.32E-06	8.39E-06
3,431	3.94E-07	3.36E-06	6.51E-06	3.87E-07	3.28E-06	6.29E-06	5.09E-07	4.32E-06	8.39E-06
3,432	3.94E-07	3.36E-06	6.50E-06	3.87E-07	3.28E-06	6.29E-06	5.09E-07	4.32E-06	8.38E-06
3,433	3.94E-07	3.36E-06	6.50E-06	3.87E-07	3.28E-06	6.29E-06	5.08E-07	4.32E-06	8.38E-06
3,434	3.94E-07	3.36E-06	6.50E-06	3.86E-07	3.28E-06	6.29E-06	5.08E-07	4.31E-06	8.38E-06
3,435	3.94E-07	3.36E-06	6.49E-06	3.86E-07	3.27E-06	6.29E-06	5.08E-07	4.31E-06	8.38E-06
3,436	3.94E-07	3.36E-06	6.49E-06	3.86E-07	3.27E-06	6.29E-06	5.08E-07	4.31E-06	8.38E-06
3,437	3.94E-07	3.36E-06	6.49E-06	3.86E-07	3.27E-06	6.29E-06	5.08E-07	4.31E-06	8.38E-06
3,438	3.94E-07	3.36E-06	6.49E-06	3.86E-07	3.27E-06	6.28E-06	5.08E-07	4.31E-06	8.37E-06
3,439	3.93E-07	3.35E-06	6.48E-06	3.86E-07	3.27E-06	6.28E-06	5.07E-07	4.31E-06	8.36E-06
3,440	3.93E-07	3.35E-06	6.48E-06	3.86E-07	3.27E-06	6.28E-06	5.07E-07	4.31E-06	8.36E-06
3,441	3.93E-07	3.35E-06	6.48E-06	3.85E-07	3.27E-06	6.28E-06	5.07E-07	4.31E-06	8.36E-06
3,442	3.93E-07	3.35E-06	6.48E-06	3.85E-07	3.27E-06	6.28E-06	5.07E-07	4.31E-06	8.36E-06
3,443	3.93E-07	3.35E-06	6.48E-06	3.85E-07	3.26E-06	6.27E-06	5.07E-07	4.31E-06	8.36E-06
3,444	3.93E-07	3.35E-06	6.48E-06	3.85E-07	3.26E-06	6.27E-06	5.07E-07	4.31E-06	8.35E-06
3,445	3.92E-07	3.35E-06	6.47E-06	3.85E-07	3.26E-06	6.27E-06	5.07E-07	4.30E-06	8.35E-06
3,446	3.92E-07	3.35E-06	6.47E-06	3.85E-07	3.26E-06	6.27E-06	5.06E-07	4.30E-06	8.35E-06
3,447	3.92E-07	3.35E-06	6.47E-06	3.85E-07	3.26E-06	6.27E-06	5.06E-07	4.30E-06	8.35E-06
3,448	3.92E-07	3.34E-06	6.47E-06	3.85E-07	3.26E-06	6.27E-06	5.05E-07	4.30E-06	8.35E-06
3,449	3.92E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.27E-06	5.05E-07	4.30E-06	8.34E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,450	3.92E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.26E-06	5.05E-07	4.30E-06	8.34E-06
3,451	3.92E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.25E-06	5.04E-07	4.30E-06	8.34E-06
3,452	3.92E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.25E-06	5.04E-07	4.30E-06	8.31E-06
3,453	3.91E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.25E-06	5.04E-07	4.30E-06	8.31E-06
3,454	3.91E-07	3.34E-06	6.47E-06	3.84E-07	3.26E-06	6.24E-06	5.03E-07	4.30E-06	8.30E-06
3,455	3.91E-07	3.34E-06	6.46E-06	3.83E-07	3.26E-06	6.24E-06	5.03E-07	4.30E-06	8.30E-06
3,456	3.91E-07	3.34E-06	6.46E-06	3.83E-07	3.26E-06	6.24E-06	5.03E-07	4.30E-06	8.30E-06
3,457	3.91E-07	3.34E-06	6.46E-06	3.83E-07	3.26E-06	6.24E-06	5.03E-07	4.29E-06	8.30E-06
3,458	3.91E-07	3.34E-06	6.46E-06	3.83E-07	3.26E-06	6.24E-06	5.03E-07	4.29E-06	8.30E-06
3,459	3.90E-07	3.34E-06	6.46E-06	3.83E-07	3.26E-06	6.24E-06	5.03E-07	4.29E-06	8.30E-06
3,460	3.90E-07	3.34E-06	6.45E-06	3.82E-07	3.25E-06	6.24E-06	5.03E-07	4.29E-06	8.30E-06
3,461	3.90E-07	3.34E-06	6.45E-06	3.82E-07	3.25E-06	6.24E-06	5.02E-07	4.28E-06	8.29E-06
3,462	3.90E-07	3.33E-06	6.45E-06	3.82E-07	3.25E-06	6.24E-06	5.02E-07	4.28E-06	8.29E-06
3,463	3.90E-07	3.33E-06	6.44E-06	3.82E-07	3.25E-06	6.24E-06	5.02E-07	4.28E-06	8.29E-06
3,464	3.90E-07	3.33E-06	6.44E-06	3.82E-07	3.25E-06	6.24E-06	5.02E-07	4.28E-06	8.29E-06
3,465	3.90E-07	3.33E-06	6.44E-06	3.82E-07	3.25E-06	6.24E-06	5.02E-07	4.28E-06	8.29E-06
3,466	3.89E-07	3.33E-06	6.44E-06	3.81E-07	3.25E-06	6.23E-06	5.01E-07	4.28E-06	8.29E-06
3,467	3.89E-07	3.33E-06	6.43E-06	3.81E-07	3.25E-06	6.23E-06	5.01E-07	4.27E-06	8.29E-06
3,468	3.89E-07	3.33E-06	6.43E-06	3.81E-07	3.25E-06	6.23E-06	5.01E-07	4.27E-06	8.29E-06
3,469	3.89E-07	3.33E-06	6.43E-06	3.81E-07	3.24E-06	6.23E-06	5.01E-07	4.27E-06	8.28E-06
3,470	3.89E-07	3.33E-06	6.43E-06	3.80E-07	3.24E-06	6.23E-06	5.01E-07	4.26E-06	8.28E-06
3,471	3.89E-07	3.33E-06	6.42E-06	3.80E-07	3.24E-06	6.23E-06	5.01E-07	4.26E-06	8.28E-06
3,472	3.89E-07	3.32E-06	6.42E-06	3.80E-07	3.24E-06	6.23E-06	5.00E-07	4.26E-06	8.27E-06
3,473	3.89E-07	3.32E-06	6.42E-06	3.80E-07	3.24E-06	6.23E-06	5.00E-07	4.26E-06	8.27E-06
3,474	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.24E-06	6.22E-06	5.00E-07	4.26E-06	8.27E-06
3,475	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.22E-06	5.00E-07	4.26E-06	8.27E-06
3,476	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.22E-06	5.00E-07	4.25E-06	8.27E-06
3,477	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.22E-06	5.00E-07	4.25E-06	8.26E-06
3,478	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.21E-06	5.00E-07	4.25E-06	8.26E-06
3,479	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.21E-06	5.00E-07	4.25E-06	8.26E-06
3,480	3.88E-07	3.32E-06	6.42E-06	3.80E-07	3.23E-06	6.21E-06	5.00E-07	4.25E-06	8.26E-06
3,481	3.88E-07	3.32E-06	6.41E-06	3.80E-07	3.23E-06	6.21E-06	4.99E-07	4.25E-06	8.26E-06
3,482	3.88E-07	3.32E-06	6.41E-06	3.79E-07	3.23E-06	6.21E-06	4.99E-07	4.25E-06	8.26E-06
3,483	3.87E-07	3.32E-06	6.41E-06	3.79E-07	3.23E-06	6.20E-06	4.99E-07	4.25E-06	8.25E-06
3,484	3.87E-07	3.32E-06	6.41E-06	3.79E-07	3.23E-06	6.20E-06	4.99E-07	4.24E-06	8.25E-06
3,485	3.87E-07	3.32E-06	6.41E-06	3.79E-07	3.23E-06	6.20E-06	4.98E-07	4.24E-06	8.25E-06
3,486	3.87E-07	3.31E-06	6.41E-06	3.79E-07	3.22E-06	6.20E-06	4.98E-07	4.24E-06	8.25E-06
3,487	3.87E-07	3.31E-06	6.41E-06	3.79E-07	3.22E-06	6.20E-06	4.98E-07	4.24E-06	8.25E-06
3,488	3.87E-07	3.31E-06	6.41E-06	3.79E-07	3.22E-06	6.20E-06	4.98E-07	4.24E-06	8.25E-06
3,489	3.87E-07	3.31E-06	6.41E-06	3.79E-07	3.22E-06	6.20E-06	4.98E-07	4.24E-06	8.24E-06
3,490	3.87E-07	3.31E-06	6.41E-06	3.78E-07	3.22E-06	6.19E-06	4.98E-07	4.24E-06	8.24E-06
3,491	3.87E-07	3.31E-06	6.40E-06	3.78E-07	3.22E-06	6.19E-06	4.98E-07	4.24E-06	8.24E-06
3,492	3.86E-07	3.30E-06	6.40E-06	3.78E-07	3.22E-06	6.19E-06	4.97E-07	4.23E-06	8.23E-06
3,493	3.86E-07	3.30E-06	6.40E-06	3.78E-07	3.22E-06	6.19E-06	4.97E-07	4.23E-06	8.23E-06
3,494	3.86E-07	3.30E-06	6.40E-06	3.78E-07	3.22E-06	6.19E-06	4.97E-07	4.23E-06	8.23E-06
3,495	3.86E-07	3.29E-06	6.40E-06	3.78E-07	3.22E-06	6.19E-06	4.96E-07	4.23E-06	8.23E-06
3,496	3.86E-07	3.29E-06	6.40E-06	3.78E-07	3.22E-06	6.18E-06	4.96E-07	4.23E-06	8.23E-06
3,497	3.86E-07	3.29E-06	6.40E-06	3.78E-07	3.22E-06	6.18E-06	4.96E-07	4.22E-06	8.23E-06
3,498	3.86E-07	3.29E-06	6.40E-06	3.78E-07	3.22E-06	6.18E-06	4.95E-07	4.22E-06	8.22E-06
3,499	3.85E-07	3.29E-06	6.39E-06	3.78E-07	3.22E-06	6.18E-06	4.95E-07	4.22E-06	8.22E-06
3,500	3.85E-07	3.29E-06	6.39E-06	3.78E-07	3.22E-06	6.18E-06	4.95E-07	4.22E-06	8.22E-06
3,501	3.85E-07	3.29E-06	6.39E-06	3.77E-07	3.22E-06	6.18E-06	4.95E-07	4.22E-06	8.22E-06
3,502	3.85E-07	3.29E-06	6.39E-06	3.77E-07	3.22E-06	6.18E-06	4.94E-07	4.22E-06	8.22E-06
3,503	3.85E-07	3.28E-06	6.39E-06	3.77E-07	3.22E-06	6.18E-06	4.94E-07	4.22E-06	8.22E-06
3,504	3.85E-07	3.28E-06	6.39E-06	3.77E-07	3.21E-06	6.17E-06	4.94E-07	4.22E-06	8.21E-06
3,505	3.85E-07	3.28E-06	6.39E-06	3.77E-07	3.21E-06	6.17E-06	4.94E-07	4.22E-06	8.21E-06
3,506	3.85E-07	3.28E-06	6.38E-06	3.77E-07	3.21E-06	6.17E-06	4.94E-07	4.21E-06	8.21E-06
3,507	3.85E-07	3.28E-06	6.38E-06	3.77E-07	3.20E-06	6.17E-06	4.93E-07	4.21E-06	8.21E-06
3,508	3.85E-07	3.28E-06	6.38E-06	3.77E-07	3.20E-06	6.17E-06	4.93E-07	4.20E-06	8.21E-06
3,509	3.85E-07	3.28E-06	6.37E-06	3.76E-07	3.20E-06	6.17E-06	4.93E-07	4.20E-06	8.20E-06
3,510	3.85E-07	3.27E-06	6.37E-06	3.76E-07	3.20E-06	6.17E-06	4.93E-07	4.20E-06	8.20E-06
3,511	3.85E-07	3.27E-06	6.37E-06	3.76E-07	3.20E-06	6.17E-06	4.92E-07	4.20E-06	8.20E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,512	3.84E-07	3.27E-06	6.37E-06	3.76E-07	3.20E-06	6.17E-06	4.92E-07	4.20E-06	8.20E-06
3,513	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.20E-06	6.16E-06	4.92E-07	4.20E-06	8.19E-06
3,514	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.20E-06	6.16E-06	4.92E-07	4.20E-06	8.19E-06
3,515	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.20E-06	6.16E-06	4.92E-07	4.20E-06	8.19E-06
3,516	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.19E-06	6.16E-06	4.92E-07	4.20E-06	8.19E-06
3,517	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.19E-06	6.16E-06	4.92E-07	4.20E-06	8.18E-06
3,518	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.19E-06	6.15E-06	4.92E-07	4.19E-06	8.17E-06
3,519	3.84E-07	3.27E-06	6.36E-06	3.76E-07	3.19E-06	6.15E-06	4.92E-07	4.19E-06	8.17E-06
3,520	3.84E-07	3.26E-06	6.36E-06	3.76E-07	3.19E-06	6.15E-06	4.92E-07	4.19E-06	8.17E-06
3,521	3.83E-07	3.26E-06	6.35E-06	3.76E-07	3.19E-06	6.15E-06	4.91E-07	4.19E-06	8.16E-06
3,522	3.83E-07	3.26E-06	6.35E-06	3.76E-07	3.19E-06	6.14E-06	4.91E-07	4.19E-06	8.16E-06
3,523	3.83E-07	3.26E-06	6.35E-06	3.75E-07	3.19E-06	6.14E-06	4.91E-07	4.19E-06	8.16E-06
3,524	3.83E-07	3.26E-06	6.34E-06	3.75E-07	3.19E-06	6.14E-06	4.91E-07	4.19E-06	8.15E-06
3,525	3.83E-07	3.26E-06	6.34E-06	3.75E-07	3.18E-06	6.13E-06	4.91E-07	4.18E-06	8.15E-06
3,526	3.83E-07	3.26E-06	6.34E-06	3.75E-07	3.18E-06	6.13E-06	4.90E-07	4.18E-06	8.15E-06
3,527	3.83E-07	3.26E-06	6.33E-06	3.75E-07	3.18E-06	6.13E-06	4.90E-07	4.18E-06	8.15E-06
3,528	3.83E-07	3.26E-06	6.33E-06	3.75E-07	3.18E-06	6.13E-06	4.90E-07	4.17E-06	8.15E-06
3,529	3.83E-07	3.26E-06	6.33E-06	3.75E-07	3.18E-06	6.13E-06	4.90E-07	4.17E-06	8.15E-06
3,530	3.83E-07	3.25E-06	6.33E-06	3.74E-07	3.18E-06	6.13E-06	4.90E-07	4.17E-06	8.14E-06
3,531	3.82E-07	3.25E-06	6.33E-06	3.74E-07	3.18E-06	6.13E-06	4.90E-07	4.17E-06	8.14E-06
3,532	3.82E-07	3.25E-06	6.33E-06	3.74E-07	3.18E-06	6.13E-06	4.89E-07	4.16E-06	8.14E-06
3,533	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.18E-06	6.13E-06	4.89E-07	4.16E-06	8.14E-06
3,534	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.17E-06	6.13E-06	4.89E-07	4.16E-06	8.13E-06
3,535	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.17E-06	6.12E-06	4.89E-07	4.16E-06	8.13E-06
3,536	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.17E-06	6.12E-06	4.89E-07	4.15E-06	8.13E-06
3,537	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.17E-06	6.12E-06	4.89E-07	4.15E-06	8.13E-06
3,538	3.82E-07	3.25E-06	6.32E-06	3.74E-07	3.17E-06	6.12E-06	4.89E-07	4.15E-06	8.13E-06
3,539	3.81E-07	3.25E-06	6.31E-06	3.74E-07	3.17E-06	6.12E-06	4.89E-07	4.15E-06	8.12E-06
3,540	3.81E-07	3.25E-06	6.31E-06	3.73E-07	3.17E-06	6.12E-06	4.89E-07	4.15E-06	8.12E-06
3,541	3.81E-07	3.25E-06	6.31E-06	3.73E-07	3.17E-06	6.12E-06	4.89E-07	4.14E-06	8.11E-06
3,542	3.81E-07	3.25E-06	6.30E-06	3.73E-07	3.17E-06	6.11E-06	4.89E-07	4.14E-06	8.11E-06
3,543	3.81E-07	3.25E-06	6.30E-06	3.73E-07	3.17E-06	6.11E-06	4.88E-07	4.14E-06	8.11E-06
3,544	3.81E-07	3.25E-06	6.30E-06	3.73E-07	3.17E-06	6.11E-06	4.88E-07	4.14E-06	8.11E-06
3,545	3.81E-07	3.24E-06	6.29E-06	3.73E-07	3.17E-06	6.11E-06	4.88E-07	4.14E-06	8.10E-06
3,546	3.81E-07	3.24E-06	6.29E-06	3.73E-07	3.16E-06	6.11E-06	4.88E-07	4.14E-06	8.09E-06
3,547	3.81E-07	3.24E-06	6.29E-06	3.73E-07	3.16E-06	6.11E-06	4.88E-07	4.14E-06	8.09E-06
3,548	3.81E-07	3.24E-06	6.29E-06	3.73E-07	3.16E-06	6.10E-06	4.88E-07	4.14E-06	8.09E-06
3,549	3.81E-07	3.24E-06	6.28E-06	3.73E-07	3.16E-06	6.10E-06	4.87E-07	4.13E-06	8.09E-06
3,550	3.81E-07	3.24E-06	6.28E-06	3.73E-07	3.16E-06	6.10E-06	4.87E-07	4.13E-06	8.09E-06
3,551	3.80E-07	3.24E-06	6.28E-06	3.73E-07	3.16E-06	6.09E-06	4.87E-07	4.13E-06	8.08E-06
3,552	3.80E-07	3.24E-06	6.28E-06	3.73E-07	3.16E-06	6.09E-06	4.87E-07	4.13E-06	8.08E-06
3,553	3.80E-07	3.24E-06	6.28E-06	3.73E-07	3.15E-06	6.09E-06	4.87E-07	4.13E-06	8.08E-06
3,554	3.80E-07	3.24E-06	6.28E-06	3.72E-07	3.15E-06	6.09E-06	4.86E-07	4.13E-06	8.08E-06
3,555	3.80E-07	3.23E-06	6.28E-06	3.72E-07	3.15E-06	6.08E-06	4.86E-07	4.13E-06	8.07E-06
3,556	3.80E-07	3.23E-06	6.28E-06	3.72E-07	3.15E-06	6.08E-06	4.86E-07	4.13E-06	8.07E-06
3,557	3.79E-07	3.23E-06	6.27E-06	3.72E-07	3.14E-06	6.08E-06	4.86E-07	4.13E-06	8.07E-06
3,558	3.79E-07	3.23E-06	6.27E-06	3.72E-07	3.14E-06	6.07E-06	4.86E-07	4.12E-06	8.07E-06
3,559	3.79E-07	3.23E-06	6.27E-06	3.72E-07	3.14E-06	6.07E-06	4.86E-07	4.12E-06	8.07E-06
3,560	3.79E-07	3.23E-06	6.27E-06	3.71E-07	3.14E-06	6.07E-06	4.86E-07	4.11E-06	8.07E-06
3,561	3.79E-07	3.23E-06	6.27E-06	3.71E-07	3.14E-06	6.07E-06	4.85E-07	4.11E-06	8.06E-06
3,562	3.79E-07	3.23E-06	6.27E-06	3.71E-07	3.14E-06	6.07E-06	4.85E-07	4.11E-06	8.06E-06
3,563	3.79E-07	3.22E-06	6.27E-06	3.71E-07	3.14E-06	6.06E-06	4.85E-07	4.10E-06	8.06E-06
3,564	3.79E-07	3.22E-06	6.27E-06	3.71E-07	3.14E-06	6.06E-06	4.85E-07	4.10E-06	8.06E-06
3,565	3.79E-07	3.22E-06	6.26E-06	3.71E-07	3.14E-06	6.06E-06	4.85E-07	4.10E-06	8.06E-06
3,566	3.79E-07	3.22E-06	6.26E-06	3.71E-07	3.14E-06	6.06E-06	4.85E-07	4.10E-06	8.06E-06
3,567	3.79E-07	3.22E-06	6.26E-06	3.70E-07	3.14E-06	6.06E-06	4.85E-07	4.10E-06	8.05E-06
3,568	3.78E-07	3.22E-06	6.26E-06	3.70E-07	3.13E-06	6.06E-06	4.85E-07	4.10E-06	8.05E-06
3,569	3.78E-07	3.22E-06	6.26E-06	3.70E-07	3.13E-06	6.05E-06	4.84E-07	4.10E-06	8.05E-06
3,570	3.78E-07	3.22E-06	6.26E-06	3.70E-07	3.13E-06	6.05E-06	4.84E-07	4.10E-06	8.05E-06
3,571	3.78E-07	3.22E-06	6.25E-06	3.70E-07	3.13E-06	6.05E-06	4.84E-07	4.10E-06	8.03E-06
3,572	3.78E-07	3.21E-06	6.25E-06	3.70E-07	3.13E-06	6.05E-06	4.84E-07	4.09E-06	8.03E-06
3,573	3.78E-07	3.21E-06	6.25E-06	3.70E-07	3.13E-06	6.05E-06	4.84E-07	4.09E-06	8.02E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,574	3.78E-07	3.21E-06	6.25E-06	3.70E-07	3.12E-06	6.05E-06	4.84E-07	4.09E-06	8.02E-06
3,575	3.77E-07	3.21E-06	6.25E-06	3.69E-07	3.12E-06	6.05E-06	4.84E-07	4.09E-06	8.01E-06
3,576	3.77E-07	3.21E-06	6.25E-06	3.69E-07	3.12E-06	6.05E-06	4.84E-07	4.09E-06	8.01E-06
3,577	3.77E-07	3.21E-06	6.25E-06	3.69E-07	3.12E-06	6.04E-06	4.84E-07	4.08E-06	8.01E-06
3,578	3.77E-07	3.21E-06	6.24E-06	3.69E-07	3.12E-06	6.04E-06	4.83E-07	4.08E-06	8.01E-06
3,579	3.77E-07	3.21E-06	6.24E-06	3.69E-07	3.12E-06	6.04E-06	4.83E-07	4.08E-06	8.01E-06
3,580	3.77E-07	3.20E-06	6.24E-06	3.69E-07	3.12E-06	6.04E-06	4.82E-07	4.08E-06	8.01E-06
3,581	3.77E-07	3.20E-06	6.24E-06	3.69E-07	3.12E-06	6.03E-06	4.82E-07	4.08E-06	8.00E-06
3,582	3.77E-07	3.20E-06	6.24E-06	3.69E-07	3.12E-06	6.03E-06	4.82E-07	4.08E-06	8.00E-06
3,583	3.77E-07	3.20E-06	6.24E-06	3.69E-07	3.12E-06	6.02E-06	4.82E-07	4.08E-06	8.00E-06
3,584	3.77E-07	3.20E-06	6.23E-06	3.68E-07	3.11E-06	6.02E-06	4.82E-07	4.07E-06	7.99E-06
3,585	3.77E-07	3.19E-06	6.23E-06	3.68E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.99E-06
3,586	3.77E-07	3.19E-06	6.23E-06	3.68E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.98E-06
3,587	3.76E-07	3.19E-06	6.23E-06	3.68E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.98E-06
3,588	3.76E-07	3.19E-06	6.23E-06	3.68E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.98E-06
3,589	3.76E-07	3.19E-06	6.23E-06	3.68E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.98E-06
3,590	3.76E-07	3.19E-06	6.23E-06	3.67E-07	3.11E-06	6.01E-06	4.81E-07	4.07E-06	7.98E-06
3,591	3.76E-07	3.19E-06	6.22E-06	3.67E-07	3.11E-06	6.01E-06	4.81E-07	4.06E-06	7.98E-06
3,592	3.76E-07	3.19E-06	6.22E-06	3.67E-07	3.11E-06	6.00E-06	4.81E-07	4.06E-06	7.97E-06
3,593	3.76E-07	3.19E-06	6.22E-06	3.67E-07	3.11E-06	6.00E-06	4.80E-07	4.06E-06	7.97E-06
3,594	3.75E-07	3.19E-06	6.21E-06	3.67E-07	3.11E-06	6.00E-06	4.80E-07	4.06E-06	7.97E-06
3,595	3.75E-07	3.19E-06	6.21E-06	3.67E-07	3.11E-06	6.00E-06	4.80E-07	4.06E-06	7.97E-06
3,596	3.75E-07	3.19E-06	6.20E-06	3.67E-07	3.11E-06	6.00E-06	4.80E-07	4.05E-06	7.97E-06
3,597	3.75E-07	3.19E-06	6.20E-06	3.66E-07	3.10E-06	6.00E-06	4.80E-07	4.05E-06	7.96E-06
3,598	3.75E-07	3.18E-06	6.20E-06	3.66E-07	3.10E-06	6.00E-06	4.80E-07	4.05E-06	7.96E-06
3,599	3.75E-07	3.18E-06	6.20E-06	3.66E-07	3.10E-06	6.00E-06	4.79E-07	4.05E-06	7.96E-06
3,600	3.75E-07	3.18E-06	6.20E-06	3.66E-07	3.10E-06	6.00E-06	4.79E-07	4.05E-06	7.96E-06
3,601	3.75E-07	3.18E-06	6.20E-06	3.66E-07	3.10E-06	6.00E-06	4.79E-07	4.05E-06	7.95E-06
3,602	3.75E-07	3.18E-06	6.19E-06	3.66E-07	3.10E-06	5.99E-06	4.79E-07	4.05E-06	7.95E-06
3,603	3.75E-07	3.18E-06	6.19E-06	3.66E-07	3.10E-06	5.99E-06	4.79E-07	4.04E-06	7.95E-06
3,604	3.75E-07	3.17E-06	6.19E-06	3.66E-07	3.10E-06	5.99E-06	4.79E-07	4.04E-06	7.95E-06
3,605	3.75E-07	3.17E-06	6.19E-06	3.65E-07	3.10E-06	5.99E-06	4.78E-07	4.04E-06	7.94E-06
3,606	3.75E-07	3.17E-06	6.19E-06	3.65E-07	3.10E-06	5.99E-06	4.78E-07	4.04E-06	7.94E-06
3,607	3.75E-07	3.17E-06	6.19E-06	3.65E-07	3.10E-06	5.98E-06	4.78E-07	4.04E-06	7.93E-06
3,608	3.74E-07	3.17E-06	6.19E-06	3.65E-07	3.09E-06	5.98E-06	4.78E-07	4.04E-06	7.93E-06
3,609	3.74E-07	3.17E-06	6.18E-06	3.65E-07	3.09E-06	5.98E-06	4.78E-07	4.03E-06	7.93E-06
3,610	3.74E-07	3.17E-06	6.18E-06	3.65E-07	3.09E-06	5.97E-06	4.78E-07	4.03E-06	7.93E-06
3,611	3.74E-07	3.17E-06	6.18E-06	3.65E-07	3.09E-06	5.97E-06	4.77E-07	4.03E-06	7.92E-06
3,612	3.74E-07	3.17E-06	6.18E-06	3.65E-07	3.09E-06	5.97E-06	4.77E-07	4.03E-06	7.92E-06
3,613	3.74E-07	3.17E-06	6.18E-06	3.64E-07	3.08E-06	5.97E-06	4.77E-07	4.03E-06	7.92E-06
3,614	3.74E-07	3.17E-06	6.17E-06	3.64E-07	3.08E-06	5.97E-06	4.77E-07	4.03E-06	7.91E-06
3,615	3.74E-07	3.16E-06	6.17E-06	3.64E-07	3.08E-06	5.97E-06	4.77E-07	4.03E-06	7.91E-06
3,616	3.74E-07	3.16E-06	6.17E-06	3.64E-07	3.08E-06	5.97E-06	4.77E-07	4.03E-06	7.90E-06
3,617	3.74E-07	3.16E-06	6.17E-06	3.64E-07	3.08E-06	5.96E-06	4.77E-07	4.03E-06	7.90E-06
3,618	3.74E-07	3.16E-06	6.17E-06	3.64E-07	3.08E-06	5.96E-06	4.77E-07	4.03E-06	7.89E-06
3,619	3.73E-07	3.16E-06	6.16E-06	3.64E-07	3.07E-06	5.96E-06	4.77E-07	4.03E-06	7.89E-06
3,620	3.73E-07	3.16E-06	6.16E-06	3.64E-07	3.07E-06	5.96E-06	4.77E-07	4.02E-06	7.89E-06
3,621	3.73E-07	3.16E-06	6.16E-06	3.64E-07	3.07E-06	5.96E-06	4.76E-07	4.02E-06	7.89E-06
3,622	3.73E-07	3.16E-06	6.15E-06	3.64E-07	3.07E-06	5.96E-06	4.76E-07	4.02E-06	7.88E-06
3,623	3.73E-07	3.16E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.88E-06
3,624	3.73E-07	3.16E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.88E-06
3,625	3.73E-07	3.15E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.88E-06
3,626	3.73E-07	3.15E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.88E-06
3,627	3.73E-07	3.15E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.87E-06
3,628	3.73E-07	3.15E-06	6.15E-06	3.63E-07	3.07E-06	5.95E-06	4.76E-07	4.02E-06	7.87E-06
3,629	3.73E-07	3.15E-06	6.15E-06	3.62E-07	3.06E-06	5.95E-06	4.75E-07	4.02E-06	7.87E-06
3,630	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.75E-07	4.01E-06	7.87E-06
3,631	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.75E-07	4.01E-06	7.87E-06
3,632	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.75E-07	4.01E-06	7.87E-06
3,633	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.75E-07	4.01E-06	7.87E-06
3,634	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.75E-07	4.01E-06	7.86E-06
3,635	3.72E-07	3.15E-06	6.14E-06	3.62E-07	3.06E-06	5.94E-06	4.74E-07	4.01E-06	7.86E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,636	3.72E-07	3.15E-06	6.13E-06	3.62E-07	3.06E-06	5.93E-06	4.74E-07	4.00E-06	7.86E-06
3,637	3.72E-07	3.15E-06	6.13E-06	3.61E-07	3.06E-06	5.93E-06	4.74E-07	4.00E-06	7.85E-06
3,638	3.71E-07	3.15E-06	6.13E-06	3.61E-07	3.06E-06	5.93E-06	4.73E-07	4.00E-06	7.85E-06
3,639	3.71E-07	3.15E-06	6.13E-06	3.61E-07	3.06E-06	5.93E-06	4.73E-07	4.00E-06	7.85E-06
3,640	3.71E-07	3.15E-06	6.12E-06	3.61E-07	3.05E-06	5.93E-06	4.73E-07	4.00E-06	7.85E-06
3,641	3.71E-07	3.15E-06	6.12E-06	3.61E-07	3.05E-06	5.93E-06	4.73E-07	3.99E-06	7.85E-06
3,642	3.71E-07	3.15E-06	6.12E-06	3.61E-07	3.05E-06	5.92E-06	4.73E-07	3.99E-06	7.85E-06
3,643	3.71E-07	3.14E-06	6.12E-06	3.60E-07	3.05E-06	5.92E-06	4.73E-07	3.99E-06	7.84E-06
3,644	3.71E-07	3.14E-06	6.12E-06	3.60E-07	3.05E-06	5.92E-06	4.73E-07	3.99E-06	7.84E-06
3,645	3.71E-07	3.14E-06	6.12E-06	3.60E-07	3.05E-06	5.92E-06	4.73E-07	3.99E-06	7.84E-06
3,646	3.71E-07	3.14E-06	6.11E-06	3.60E-07	3.05E-06	5.92E-06	4.73E-07	3.99E-06	7.84E-06
3,647	3.71E-07	3.14E-06	6.11E-06	3.60E-07	3.05E-06	5.91E-06	4.73E-07	3.99E-06	7.83E-06
3,648	3.71E-07	3.14E-06	6.11E-06	3.60E-07	3.05E-06	5.91E-06	4.72E-07	3.98E-06	7.83E-06
3,649	3.70E-07	3.14E-06	6.11E-06	3.60E-07	3.04E-06	5.91E-06	4.72E-07	3.98E-06	7.83E-06
3,650	3.70E-07	3.14E-06	6.11E-06	3.60E-07	3.04E-06	5.91E-06	4.72E-07	3.97E-06	7.83E-06
3,651	3.70E-07	3.14E-06	6.10E-06	3.60E-07	3.04E-06	5.91E-06	4.71E-07	3.97E-06	7.82E-06
3,652	3.70E-07	3.13E-06	6.10E-06	3.60E-07	3.04E-06	5.91E-06	4.71E-07	3.97E-06	7.82E-06
3,653	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.91E-06	4.71E-07	3.97E-06	7.82E-06
3,654	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.91E-06	4.71E-07	3.96E-06	7.82E-06
3,655	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.91E-06	4.71E-07	3.96E-06	7.81E-06
3,656	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.90E-06	4.70E-07	3.96E-06	7.81E-06
3,657	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.90E-06	4.70E-07	3.96E-06	7.81E-06
3,658	3.70E-07	3.13E-06	6.10E-06	3.59E-07	3.04E-06	5.90E-06	4.70E-07	3.96E-06	7.81E-06
3,659	3.69E-07	3.13E-06	6.09E-06	3.59E-07	3.03E-06	5.90E-06	4.70E-07	3.96E-06	7.80E-06
3,660	3.69E-07	3.13E-06	6.09E-06	3.59E-07	3.03E-06	5.90E-06	4.70E-07	3.96E-06	7.80E-06
3,661	3.69E-07	3.12E-06	6.09E-06	3.59E-07	3.03E-06	5.90E-06	4.70E-07	3.96E-06	7.80E-06
3,662	3.69E-07	3.12E-06	6.09E-06	3.58E-07	3.03E-06	5.89E-06	4.70E-07	3.95E-06	7.79E-06
3,663	3.69E-07	3.12E-06	6.08E-06	3.58E-07	3.03E-06	5.89E-06	4.70E-07	3.95E-06	7.79E-06
3,664	3.69E-07	3.12E-06	6.08E-06	3.58E-07	3.03E-06	5.89E-06	4.69E-07	3.95E-06	7.78E-06
3,665	3.68E-07	3.12E-06	6.08E-06	3.58E-07	3.03E-06	5.88E-06	4.69E-07	3.95E-06	7.78E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,698	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.83E-06	4.64E-07	3.92E-06	7.71E-06
3,699	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.71E-06
3,700	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.71E-06
3,701	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.71E-06
3,702	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.70E-06
3,703	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.70E-06
3,704	3.64E-07	3.08E-06	6.02E-06	3.55E-07	3.00E-06	5.82E-06	4.63E-07	3.91E-06	7.69E-06
3,705	3.64E-07	3.08E-06	6.02E-06	3.55E-07	2.99E-06	5.82E-06	4.62E-07	3.90E-06	7.69E-06
3,706	3.64E-07	3.08E-06	6.02E-06	3.54E-07	2.99E-06	5.81E-06	4.62E-07	3.90E-06	7.69E-06
3,707	3.64E-07	3.08E-06	6.01E-06	3.54E-07	2.99E-06	5.81E-06	4.62E-07	3.90E-06	7.68E-06
3,708	3.64E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.81E-06	4.61E-07	3.90E-06	7.68E-06
3,709	3.64E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.81E-06	4.61E-07	3.90E-06	7.67E-06
3,710	3.63E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.81E-06	4.61E-07	3.90E-06	7.67E-06
3,711	3.63E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.81E-06	4.61E-07	3.90E-06	7.66E-06
3,712	3.63E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.80E-06	4.61E-07	3.90E-06	7.66E-06
3,713	3.63E-07	3.07E-06	6.01E-06	3.54E-07	2.99E-06	5.80E-06	4.61E-07	3.89E-06	7.65E-06
3,714	3.63E-07	3.06E-06	6.01E-06	3.54E-07	2.99E-06	5.80E-06	4.61E-07	3.89E-06	7.65E-06
3,715	3.63E-07	3.06E-06	6.00E-06	3.53E-07	2.98E-06	5.80E-06	4.61E-07	3.89E-06	7.65E-06
3,716	3.63E-07	3.06E-06	6.00E-06	3.53E-07	2.98E-06	5.80E-06	4.61E-07	3.89E-06	7.65E-06
3,717	3.63E-07	3.06E-06	6.00E-06	3.53E-07	2.98E-06	5.79E-06	4.60E-07	3.89E-06	7.65E-06
3,718	3.63E-07	3.06E-06	6.00E-06	3.53E-07	2.98E-06	5.79E-06	4.60E-07	3.89E-06	7.65E-06
3,719	3.63E-07	3.06E-06	5.99E-06	3.53E-07	2.98E-06	5.79E-06	4.60E-07	3.89E-06	7.64E-06
3,720	3.63E-07	3.06E-06	5.99E-06	3.53E-07	2.98E-06	5.79E-06	4.60E-07	3.89E-06	7.64E-06
3,721	3.63E-07	3.05E-06	5.99E-06	3.52E-07	2.98E-06	5.79E-06	4.60E-07	3.89E-06	7.64E-06
3,722	3.63E-07	3.05E-06	5.99E-06	3.52E-07	2.98E-06	5.78E-06	4.60E-07	3.88E-06	7.64E-06
3,723	3.63E-07	3.05E-06	5.99E-06	3.52E-07	2.98E-06	5.78E-06	4.60E-07	3.88E-06	7.63E-06
3,724	3.62E-07	3.05E-06	5.98E-06	3.52E-07	2.98E-06	5.78E-06	4.59E-07	3.88E-06	7.63E-06
3,725	3.62E-07	3.05E-06	5.98E-06	3.52E-07	2.98E-06	5.78E-06	4.59E-07	3.88E-06	7.63E-06
3,726	3.62E-07	3.05E-06	5.98E-06	3.52E-07	2.98E-06	5.78E-06	4.59E-07	3.88E-06	7.63E-06
3,727	3.62E-07	3.05E-06	5.98E-06	3.52E-07	2.98E-06	5.77E-06	4.59E-07	3.88E-06	7.63E-06
3,728	3.62E-07	3.05E-06	5.97E-06	3.52E-07	2.98E-06	5.77E-06	4.59E-07	3.88E-06	7.62E-06
3,729	3.62E-07	3.05E-06	5.97E-06	3.51E-07	2.98E-06	5.77E-06	4.59E-07	3.87E-06	7.62E-06
3,730	3.62E-07	3.05E-06	5.97E-06	3.51E-07	2.98E-06	5.77E-06	4.58E-07	3.87E-06	7.62E-06
3,731	3.62E-07	3.05E-06	5.97E-06	3.51E-07	2.98E-06	5.77E-06	4.58E-07	3.87E-06	7.61E-06
3,732	3.62E-07	3.05E-06	5.96E-06	3.51E-07	2.97E-06	5.77E-06	4.58E-07	3.87E-06	7.61E-06
3,733	3.61E-07	3.05E-06	5.96E-06	3.51E-07	2.97E-06	5.77E-06	4.58E-07	3.87E-06	7.61E-06
3,734	3.61E-07	3.04E-06	5.95E-06	3.51E-07	2.97E-06	5.77E-06	4.58E-07	3.87E-06	7.61E-06
3,735	3.61E-07	3.04E-06	5.95E-06	3.51E-07	2.97E-06	5.76E-06	4.58E-07	3.86E-06	7.60E-06
3,736	3.61E-07	3.04E-06	5.95E-06	3.50E-07	2.97E-06	5.76E-06	4.57E-07	3.86E-06	7.60E-06
3,737	3.61E-07	3.04E-06	5.95E-06	3.50E-07	2.97E-06	5.76E-06	4.57E-07	3.86E-06	7.59E-06
3,738	3.61E-07	3.04E-06	5.95E-06	3.50E-07	2.97E-06	5.76E-06	4.57E-07	3.86E-06	7.59E-06
3,739	3.61E-07	3.04E-06	5.95E-06	3.50E-07	2.97E-06	5.76E-06	4.57E-07	3.86E-06	7.58E-06
3,740	3.61E-07	3.04E-06	5.95E-06	3.50E-07	2.97E-06	5.75E-06	4.57E-07	3.86E-06	7.58E-06
3,741	3.61E-07	3.04E-06	5.94E-06	3.50E-07	2.97E-06	5.75E-06	4.57E-07	3.86E-06	7.58E-06
3,742	3.60E-07	3.03E-06	5.94E-06	3.50E-07	2.96E-06	5.75E-06	4.57E-07	3.86E-06	7.58E-06
3,743	3.60E-07	3.03E-06	5.94E-06	3.50E-07	2.96E-06	5.75E-06	4.57E-07	3.86E-06	7.58E-06
3,744	3.60E-07	3.03E-06	5.94E-06	3.50E-07	2.96E-06	5.75E-06	4.57E-07	3.86E-06	7.58E-06
3,745	3.60E-07	3.03E-06	5.94E-06	3.50E-07	2.96E-06	5.75E-06	4.56E-07	3.85E-06	7.58E-06
3,746	3.60E-07	3.03E-06	5.93E-06	3.49E-07	2.96E-06	5.74E-06	4.56E-07	3.85E-06	7.57E-06
3,747	3.60E-07	3.03E-06	5.93E-06	3.49E-07	2.96E-06	5.74E-06	4.56E-07	3.85E-06	7.56E-06
3,748	3.60E-07	3.03E-06	5.93E-06	3.49E-07	2.96E-06	5.74E-06	4.56E-07	3.85E-06	7.56E-06
3,749	3.60E-07	3.03E-06	5.93E-06	3.49E-07	2.96E-06	5.74E-06	4.56E-07	3.85E-06	7.56E-06
3,750	3.60E-07	3.03E-06	5.92E-06	3.49E-07	2.96E-06	5.73E-06	4.56E-07	3.85E-06	7.55E-06
3,751	3.60E-07	3.03E-06	5.92E-06	3.49E-07	2.96E-06	5.73E-06	4.55E-07	3.85E-06	7.55E-06
3,752	3.60E-07	3.03E-06	5.92E-06	3.49E-07	2.96E-06	5.73E-06	4.55E-07	3.85E-06	7.55E-06
3,753	3.60E-07	3.02E-06	5.92E-06	3.49E-07	2.96E-06	5.73E-06	4.55E-07	3.85E-06	7.55E-06
3,754	3.59E-07	3.02E-06	5.92E-06	3.48E-07	2.96E-06	5.73E-06	4.55E-07	3.85E-06	7.55E-06
3,755	3.59E-07	3.02E-06	5.92E-06	3.48E-07	2.96E-06	5.73E-06	4.55E-07	3.85E-06	7.55E-06
3,756	3.59E-07	3.02E-06	5.92E-06	3.48E-07	2.96E-06	5.73E-06	4.55E-07	3.84E-06	7.55E-06
3,757	3.59E-07	3.02E-06	5.91E-06	3.48E-07	2.95E-06	5.73E-06	4.55E-07	3.84E-06	7.54E-06
3,758	3.59E-07	3.02E-06	5.91E-06	3.48E-07	2.95E-06	5.73E-06	4.55E-07	3.84E-06	7.54E-06
3,759	3.58E-07	3.02E-06	5.91E-06	3.48E-07	2.95E-06	5.73E-06	4.54E-07	3.84E-06	7.54E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,760	3.58E-07	3.02E-06	5.91E-06	3.47E-07	2.95E-06	5.72E-06	4.54E-07	3.84E-06	7.54E-06
3,761	3.58E-07	3.02E-06	5.91E-06	3.47E-07	2.95E-06	5.72E-06	4.54E-07	3.84E-06	7.53E-06
3,762	3.58E-07	3.02E-06	5.91E-06	3.47E-07	2.95E-06	5.72E-06	4.54E-07	3.84E-06	7.53E-06
3,763	3.57E-07	3.02E-06	5.90E-06	3.47E-07	2.95E-06	5.72E-06	4.54E-07	3.84E-06	7.53E-06
3,764	3.57E-07	3.01E-06	5.90E-06	3.47E-07	2.94E-06	5.72E-06	4.54E-07	3.83E-06	7.53E-06
3,765	3.57E-07	3.01E-06	5.90E-06	3.47E-07	2.94E-06	5.72E-06	4.54E-07	3.83E-06	7.53E-06
3,766	3.57E-07	3.01E-06	5.90E-06	3.46E-07	2.94E-06	5.71E-06	4.54E-07	3.83E-06	7.52E-06
3,767	3.57E-07	3.01E-06	5.90E-06	3.46E-07	2.94E-06	5.71E-06	4.54E-07	3.83E-06	7.52E-06
3,768	3.57E-07	3.01E-06	5.90E-06	3.46E-07	2.94E-06	5.71E-06	4.54E-07	3.83E-06	7.52E-06
3,769	3.57E-07	3.01E-06	5.90E-06	3.46E-07	2.94E-06	5.71E-06	4.53E-07	3.83E-06	7.52E-06
3,770	3.57E-07	3.01E-06	5.90E-06	3.46E-07	2.94E-06	5.71E-06	4.53E-07	3.83E-06	7.51E-06
3,771	3.57E-07	3.01E-06	5.89E-06	3.46E-07	2.94E-06	5.71E-06	4.53E-07	3.83E-06	7.50E-06
3,772	3.56E-07	3.00E-06	5.89E-06	3.46E-07	2.94E-06	5.71E-06	4.53E-07	3.83E-06	7.50E-06
3,773	3.56E-07	3.00E-06	5.89E-06	3.46E-07	2.94E-06	5.71E-06	4.53E-07	3.82E-06	7.50E-06
3,774	3.56E-07	3.00E-06	5.89E-06	3.46E-07	2.94E-06	5.70E-06	4.53E-07	3.82E-06	7.50E-06
3,775	3.56E-07	3.00E-06	5.89E-06	3.46E-07	2.94E-06	5.70E-06	4.53E-07	3.82E-06	7.50E-06
3,776	3.56E-07	3.00E-06	5.89E-06	3.45E-07	2.94E-06	5.70E-06	4.53E-07	3.82E-06	7.50E-06
3,777	3.56E-07	3.00E-06	5.89E-06	3.45E-07	2.93E-06	5.70E-06	4.52E-07	3.82E-06	7.49E-06
3,778	3.56E-07	3.00E-06	5.88E-06	3.45E-07	2.93E-06	5.70E-06	4.52E-07	3.82E-06	7.49E-06
3,779	3.56E-07	2.99E-06	5.88E-06	3.45E-07	2.93E-06	5.70E-06	4.52E-07	3.81E-06	7.49E-06
3,780	3.56E-07	2.99E-06	5.88E-06	3.45E-07	2.93E-06	5.70E-06	4.52E-07	3.81E-06	7.49E-06
3,781	3.56E-07	2.99E-06	5.88E-06	3.45E-07	2.93E-06	5.69E-06	4.51E-07	3.81E-06	7.49E-06
3,782	3.55E-07	2.99E-06	5.88E-06	3.45E-07	2.93E-06	5.69E-06	4.51E-07	3.81E-06	7.48E-06
3,783	3.55E-07	2.99E-06	5.87E-06	3.45E-07	2.93E-06	5.69E-06	4.51E-07	3.81E-06	7.48E-06
3,784	3.55E-07	2.99E-06	5.87E-06	3.45E-07	2.93E-06	5.69E-06	4.51E-07	3.81E-06	7.48E-06
3,785	3.55E-07	2.99E-06	5.87E-06	3.45E-07	2.93E-06	5.69E-06	4.50E-07	3.80E-06	7.48E-06
3,786	3.55E-07	2.99E-06	5.87E-06	3.45E-07	2.93E-06	5.69E-06	4.50E-07	3.80E-06	7.48E-06
3,787	3.55E-07	2.99E-06	5.87E-06	3.45E-07	2.93E-06	5.68E-06	4.50E-07	3.80E-06	7.47E-06
3,788	3.55E-07	2.99E-06	5.86E-06	3.45E-07	2.92E-06	5.68E-06	4.50E-07	3.80E-06	7.47E-06
3,789	3.55E-07	2.98E-06	5.86E-06	3.45E-07	2.92E-06	5.68E-06	4.50E-07	3.79E-06	7.47E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,822	3.51E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.63E-06	4.44E-07	3.76E-06	7.41E-06
3,823	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.63E-06	4.44E-07	3.75E-06	7.41E-06
3,824	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.62E-06	4.44E-07	3.75E-06	7.41E-06
3,825	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.62E-06	4.44E-07	3.75E-06	7.41E-06
3,826	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.62E-06	4.44E-07	3.75E-06	7.40E-06
3,827	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.90E-06	5.62E-06	4.44E-07	3.75E-06	7.40E-06
3,828	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.89E-06	5.62E-06	4.43E-07	3.75E-06	7.40E-06
3,829	3.50E-07	2.95E-06	5.80E-06	3.40E-07	2.89E-06	5.61E-06	4.43E-07	3.75E-06	7.40E-06
3,830	3.50E-07	2.95E-06	5.79E-06	3.40E-07	2.89E-06	5.61E-06	4.43E-07	3.75E-06	7.39E-06
3,831	3.50E-07	2.95E-06	5.79E-06	3.40E-07	2.89E-06	5.61E-06	4.43E-07	3.75E-06	7.39E-06
3,832	3.49E-07	2.95E-06	5.79E-06	3.40E-07	2.89E-06	5.61E-06	4.42E-07	3.75E-06	7.39E-06
3,833	3.49E-07	2.95E-06	5.79E-06	3.39E-07	2.89E-06	5.61E-06	4.42E-07	3.75E-06	7.39E-06
3,834	3.49E-07	2.95E-06	5.79E-06	3.39E-07	2.89E-06	5.61E-06	4.42E-07	3.75E-06	7.39E-06
3,835	3.49E-07	2.95E-06	5.79E-06	3.39E-07	2.89E-06	5.61E-06	4.42E-07	3.74E-06	7.38E-06
3,836	3.49E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.61E-06	4.42E-07	3.74E-06	7.38E-06
3,837	3.49E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.42E-07	3.74E-06	7.38E-06
3,838	3.49E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.42E-07	3.74E-06	7.38E-06
3,839	3.49E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.42E-07	3.74E-06	7.38E-06
3,840	3.48E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.42E-07	3.73E-06	7.38E-06
3,841	3.48E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.41E-07	3.73E-06	7.37E-06
3,842	3.48E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.41E-07	3.73E-06	7.37E-06
3,843	3.48E-07	2.94E-06	5.78E-06	3.39E-07	2.89E-06	5.60E-06	4.41E-07	3.73E-06	7.37E-06
3,844	3.48E-07	2.94E-06	5.78E-06	3.39E-07	2.88E-06	5.60E-06	4.41E-07	3.73E-06	7.37E-06
3,845	3.48E-07	2.94E-06	5.78E-06	3.38E-07	2.88E-06	5.60E-06	4.41E-07	3.73E-06	7.36E-06
3,846	3.48E-07	2.94E-06	5.78E-06	3.38E-07	2.88E-06	5.59E-06	4.41E-07	3.73E-06	7.36E-06
3,847	3.48E-07	2.94E-06	5.77E-06	3.38E-07	2.88E-06	5.59E-06	4.41E-07	3.72E-06	7.36E-06
3,848	3.48E-07	2.93E-06	5.77E-06	3.38E-07	2.88E-06	5.59E-06	4.40E-07	3.72E-06	7.36E-06
3,849	3.47E-07	2.93E-06	5.77E-06	3.38E-07	2.88E-06	5.59E-06	4.40E-07	3.72E-06	7.36E-06
3,850	3.47E-07	2.93E-06	5.77E-06	3.38E-07	2.88E-06	5.59E-06	4.40E-07	3.72E-06	7.36E-06
3,851	3.47E-07	2.93E-06	5.77E-06	3.38E-07	2.88E-06	5.59E-06	4.40E-07	3.71E-06	7.36E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,884	3.44E-07	2.91E-06	5.70E-06	3.34E-07	2.85E-06	5.54E-06	4.36E-07	3.68E-06	7.27E-06
3,885	3.44E-07	2.91E-06	5.70E-06	3.34E-07	2.85E-06	5.54E-06	4.36E-07	3.68E-06	7.26E-06
3,886	3.44E-07	2.90E-06	5.70E-06	3.34E-07	2.85E-06	5.54E-06	4.36E-07	3.68E-06	7.26E-06
3,887	3.44E-07	2.90E-06	5.70E-06	3.34E-07	2.85E-06	5.54E-06	4.36E-07	3.67E-06	7.25E-06
3,888	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.85E-06	5.54E-06	4.36E-07	3.67E-06	7.25E-06
3,889	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.85E-06	5.54E-06	4.36E-07	3.67E-06	7.25E-06
3,890	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.85E-06	5.54E-06	4.36E-07	3.67E-06	7.24E-06
3,891	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.85E-06	5.54E-06	4.35E-07	3.67E-06	7.24E-06
3,892	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.84E-06	5.54E-06	4.35E-07	3.67E-06	7.24E-06
3,893	3.44E-07	2.90E-06	5.70E-06	3.33E-07	2.84E-06	5.53E-06	4.35E-07	3.67E-06	7.23E-06
3,894	3.44E-07	2.90E-06	5.69E-06	3.33E-07	2.84E-06	5.53E-06	4.35E-07	3.67E-06	7.23E-06
3,895	3.43E-07	2.90E-06	5.69E-06	3.33E-07	2.84E-06	5.53E-06	4.35E-07	3.66E-06	7.23E-06
3,896	3.43E-07	2.90E-06	5.69E-06	3.33E-07	2.84E-06	5.53E-06	4.35E-07	3.66E-06	7.23E-06
3,897	3.43E-07	2.90E-06	5.69E-06	3.33E-07	2.84E-06	5.53E-06	4.35E-07	3.66E-06	7.23E-06
3,898	3.43E-07	2.90E-06	5.68E-06	3.33E-07	2.83E-06	5.52E-06	4.35E-07	3.66E-06	7.23E-06
3,899	3.43E-07	2.89E-06	5.68E-06	3.32E-07	2.83E-06	5.52E-06	4.35E-07	3.66E-06	7.23E-06
3,900	3.43E-07	2.89E-06	5.68E-06	3.32E-07	2.83E-06	5.51E-06	4.35E-07	3.66E-06	7.22E-06
3,901	3.43E-07	2.89E-06	5.68E-06	3.32E-07	2.83E-06	5.51E-06	4.35E-07	3.65E-06	7.22E-06
3,902	3.43E-07	2.89E-06	5.67E-06	3.32E-07	2.83E-06	5.51E-06	4.35E-07	3.65E-06	7.22E-06
3,903	3.43E-07	2.89E-06	5.67E-06	3.32E-07	2.83E-06	5.51E-06	4.35E-07	3.65E-06	7.22E-06
3,904	3.43E-07	2.89E-06	5.67E-06	3.32E-07	2.83E-06	5.51E-06	4.34E-07	3.65E-06	7.22E-06
3,905	3.42E-07	2.88E-06	5.67E-06	3.32E-07	2.83E-06	5.51E-06	4.34E-07	3.65E-06	7.22E-06
3,906	3.42E-07	2.88E-06	5.67E-06	3.32E-07	2.83E-06	5.50E-06	4.34E-07	3.65E-06	7.22E-06
3,907	3.42E-07	2.88E-06	5.66E-06	3.32E-07	2.83E-06	5.50E-06	4.34E-07	3.65E-06	7.22E-06
3,908	3.42E-07	2.88E-06	5.66E-06	3.32E-07	2.83E-06	5.50E-06	4.34E-07	3.65E-06	7.21E-06
3,909	3.42E-07	2.88E-06	5.66E-06	3.31E-07	2.83E-06	5.50E-06	4.34E-07	3.65E-06	7.20E-06
3,910	3.42E-07	2.88E-06	5.66E-06	3.31E-07	2.83E-06	5.50E-06	4.33E-07	3.65E-06	7.20E-06
3,911	3.42E-07	2.88E-06	5.66E-06	3.31E-07	2.82E-06	5.50E-06	4.33E-07	3.64E-06	7.20E-06
3,912	3.42E-07	2.88E-06	5.66E-06	3.31E-07	2.82E-06	5.50E-06	4.33E-07	3.64E-06	7.19E-06
3,913	3.41E-07	2.88E-06	5.66E-06	3.31E-07	2.82E-06	5.50E-06	4.33E-07	3.64E-06	7.19E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
3,946	3.39E-07	2.84E-06	5.61E-06	3.28E-07	2.80E-06	5.45E-06	4.29E-07	3.61E-06	7.09E-06
3,947	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.80E-06	5.45E-06	4.29E-07	3.61E-06	7.09E-06
3,948	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.45E-06	4.29E-07	3.60E-06	7.09E-06
3,949	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.45E-06	4.29E-07	3.60E-06	7.09E-06
3,950	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.09E-06
3,951	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.08E-06
3,952	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.08E-06
3,953	3.38E-07	2.84E-06	5.61E-06	3.28E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.08E-06
3,954	3.38E-07	2.84E-06	5.60E-06	3.27E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.08E-06
3,955	3.38E-07	2.84E-06	5.60E-06	3.27E-07	2.79E-06	5.44E-06	4.29E-07	3.60E-06	7.08E-06
3,956	3.38E-07	2.84E-06	5.60E-06	3.27E-07	2.79E-06	5.43E-06	4.29E-07	3.59E-06	7.08E-06
3,957	3.37E-07	2.84E-06	5.60E-06	3.27E-07	2.79E-06	5.43E-06	4.28E-07	3.59E-06	7.07E-06
3,958	3.37E-07	2.83E-06	5.60E-06	3.27E-07	2.79E-06	5.43E-06	4.28E-07	3.59E-06	7.07E-06
3,959	3.37E-07	2.83E-06	5.60E-06	3.27E-07	2.79E-06	5.43E-06	4.28E-07	3.59E-06	7.07E-06
3,960	3.37E-07	2.83E-06	5.60E-06	3.27E-07	2.78E-06	5.42E-06	4.28E-07	3.59E-06	7.07E-06
3,961	3.37E-07	2.83E-06	5.59E-06	3.27E-07	2.78E-06	5.42E-06	4.28E-07	3.59E-06	7.06E-06
3,962	3.37E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.42E-06	4.28E-07	3.59E-06	7.06E-06
3,963	3.37E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.42E-06	4.28E-07	3.59E-06	7.06E-06
3,964	3.37E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.42E-06	4.28E-07	3.58E-06	7.06E-06
3,965	3.37E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.42E-06	4.28E-07	3.58E-06	7.05E-06
3,966	3.36E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,967	3.36E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,968	3.36E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,969	3.36E-07	2.83E-06	5.59E-06	3.26E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,970	3.36E-07	2.83E-06	5.59E-06	3.25E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,971	3.36E-07	2.83E-06	5.58E-06	3.25E-07	2.78E-06	5.41E-06	4.27E-07	3.58E-06	7.05E-06
3,972	3.36E-07	2.82E-06	5.58E-06	3.25E-07	2.78E-06	5.40E-06	4.27E-07	3.57E-06	7.05E-06
3,973	3.36E-07	2.82E-06	5.58E-06	3.25E-07	2.78E-06	5.40E-06	4.27E-07	3.57E-06	7.05E-06
3,974	3.36E-07	2.82E-06	5.58E-06	3.25E-07	2.78E-06	5.40E-06	4.26E-07	3.57E-06	7.05E-06
3,975	3.36E-07	2.82E-06	5.58E-06	3.25E-07	2.78E-06	5.40E-06	4.26E-07	3.57E-06	7.04E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,008	3.32E-07	2.80E-06	5.54E-06	3.22E-07	2.76E-06	5.36E-06	4.22E-07	3.53E-06	6.97E-06
4,009	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.76E-06	5.36E-06	4.22E-07	3.53E-06	6.97E-06
4,010	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.76E-06	5.36E-06	4.21E-07	3.53E-06	6.97E-06
4,011	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.97E-06
4,012	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.97E-06
4,013	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.96E-06
4,014	3.32E-07	2.80E-06	5.53E-06	3.22E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.96E-06
4,015	3.31E-07	2.79E-06	5.53E-06	3.21E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.96E-06
4,016	3.31E-07	2.79E-06	5.53E-06	3.21E-07	2.75E-06	5.35E-06	4.21E-07	3.53E-06	6.95E-06
4,017	3.31E-07	2.79E-06	5.53E-06	3.21E-07	2.75E-06	5.35E-06	4.21E-07	3.52E-06	6.95E-06
4,018	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.75E-06	5.35E-06	4.20E-07	3.52E-06	6.95E-06
4,019	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.75E-06	5.35E-06	4.20E-07	3.52E-06	6.95E-06
4,020	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.75E-06	5.35E-06	4.19E-07	3.52E-06	6.95E-06
4,021	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.74E-06	5.34E-06	4.19E-07	3.52E-06	6.95E-06
4,022	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.74E-06	5.34E-06	4.19E-07	3.52E-06	6.95E-06
4,023	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.74E-06	5.34E-06	4.19E-07	3.52E-06	6.95E-06
4,024	3.31E-07	2.79E-06	5.52E-06	3.21E-07	2.74E-06	5.34E-06	4.19E-07	3.52E-06	6.95E-06
4,025	3.30E-07	2.79E-06	5.51E-06	3.21E-07	2.74E-06	5.34E-06	4.19E-07	3.52E-06	6.94E-06
4,026	3.30E-07	2.78E-06	5.51E-06	3.21E-07	2.74E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,027	3.30E-07	2.78E-06	5.51E-06	3.21E-07	2.74E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,028	3.30E-07	2.78E-06	5.51E-06	3.20E-07	2.74E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,029	3.30E-07	2.78E-06	5.51E-06	3.20E-07	2.74E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,030	3.30E-07	2.78E-06	5.51E-06	3.20E-07	2.74E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,031	3.30E-07	2.78E-06	5.51E-06	3.20E-07	2.73E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,032	3.29E-07	2.78E-06	5.51E-06	3.20E-07	2.73E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,033	3.29E-07	2.78E-06	5.51E-06	3.20E-07	2.73E-06	5.33E-06	4.18E-07	3.51E-06	6.94E-06
4,034	3.29E-07	2.78E-06	5.51E-06	3.20E-07	2.73E-06	5.32E-06	4.17E-07	3.51E-06	6.94E-06
4,035	3.29E-07	2.78E-06	5.50E-06	3.20E-07	2.73E-06	5.32E-06	4.17E-07	3.51E-06	6.94E-06
4,036	3.29E-07	2.78E-06	5.50E-06	3.20E-07	2.73E-06	5.32E-06	4.17E-07	3.51E-06	6.94E-06
4,037	3.29E-07	2.77E-06	5.50E-06	3.20E-07	2.73E-06	5.32E-06	4.17E-07	3.51E-06	6.93E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,070	3.25E-07	2.75E-06	5.44E-06	3.16E-07	2.70E-06	5.27E-06	4.14E-07	3.46E-06	6.88E-06
4,071	3.25E-07	2.75E-06	5.44E-06	3.15E-07	2.70E-06	5.26E-06	4.14E-07	3.46E-06	6.88E-06
4,072	3.25E-07	2.75E-06	5.44E-06	3.15E-07	2.70E-06	5.26E-06	4.14E-07	3.46E-06	6.88E-06
4,073	3.25E-07	2.75E-06	5.43E-06	3.15E-07	2.70E-06	5.26E-06	4.14E-07	3.46E-06	6.88E-06
4,074	3.25E-07	2.75E-06	5.43E-06	3.15E-07	2.70E-06	5.26E-06	4.13E-07	3.45E-06	6.87E-06
4,075	3.25E-07	2.75E-06	5.43E-06	3.15E-07	2.70E-06	5.26E-06	4.13E-07	3.45E-06	6.87E-06
4,076	3.25E-07	2.75E-06	5.43E-06	3.15E-07	2.69E-06	5.26E-06	4.13E-07	3.45E-06	6.87E-06
4,077	3.25E-07	2.75E-06	5.43E-06	3.15E-07	2.69E-06	5.25E-06	4.13E-07	3.45E-06	6.87E-06
4,078	3.25E-07	2.74E-06	5.43E-06	3.15E-07	2.69E-06	5.25E-06	4.13E-07	3.45E-06	6.87E-06
4,079	3.25E-07	2.74E-06	5.43E-06	3.15E-07	2.69E-06	5.25E-06	4.13E-07	3.45E-06	6.86E-06
4,080	3.25E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.13E-07	3.45E-06	6.86E-06
4,081	3.25E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.13E-07	3.45E-06	6.85E-06
4,082	3.25E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.12E-07	3.45E-06	6.85E-06
4,083	3.25E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.12E-07	3.45E-06	6.84E-06
4,084	3.24E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.12E-07	3.45E-06	6.84E-06
4,085	3.24E-07	2.74E-06	5.42E-06	3.15E-07	2.69E-06	5.24E-06	4.12E-07	3.44E-06	6.84E-06
4,086	3.24E-07	2.74E-06	5.41E-06	3.14E-07	2.69E-06	5.23E-06	4.12E-07	3.44E-06	6.84E-06
4,087	3.24E-07	2.74E-06	5.41E-06	3.14E-07	2.69E-06	5.23E-06	4.12E-07	3.44E-06	6.84E-06
4,088	3.24E-07	2.74E-06	5.41E-06	3.14E-07	2.68E-06	5.23E-06	4.12E-07	3.44E-06	6.84E-06
4,089	3.24E-07	2.73E-06	5.40E-06	3.14E-07	2.68E-06	5.23E-06	4.12E-07	3.44E-06	6.83E-06
4,090	3.24E-07	2.73E-06	5.40E-06	3.14E-07	2.68E-06	5.23E-06	4.12E-07	3.44E-06	6.83E-06
4,091	3.23E-07	2.73E-06	5.40E-06	3.14E-07	2.68E-06	5.23E-06	4.11E-07	3.44E-06	6.83E-06
4,092	3.23E-07	2.73E-06	5.39E-06	3.14E-07	2.67E-06	5.23E-06	4.11E-07	3.44E-06	6.82E-06
4,093	3.23E-07	2.73E-06	5.39E-06	3.14E-07	2.67E-06	5.22E-06	4.11E-07	3.44E-06	6.82E-06
4,094	3.23E-07	2.73E-06	5.39E-06	3.14E-07	2.67E-06	5.22E-06	4.11E-07	3.43E-06	6.82E-06
4,095	3.23E-07	2.73E-06	5.39E-06	3.14E-07	2.67E-06	5.22E-06	4.11E-07	3.43E-06	6.82E-06
4,096	3.23E-07	2.73E-06	5.39E-06	3.14E-07	2.67E-06	5.22E-06	4.10E-07	3.43E-06	6.82E-06
4,097	3.23E-07	2.73E-06	5.38E-06	3.14E-07	2.67E-06	5.22E-06	4.10E-07	3.43E-06	6.81E-06
4,098	3.23E-07	2.73E-06	5.38E-06	3.13E-07	2.67E-06	5.21E-06	4.10E-07	3.43E-06	6.81E-06
4,099	3.23E-07	2.73E-06	5.38E-06	3.13E-07	2.67E-06	5.21E-06	4.10E-07	3.43E-06	6.81E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,132	3.19E-07	2.70E-06	5.33E-06	3.11E-07	2.64E-06	5.17E-06	4.06E-07	3.40E-06	6.76E-06
4,133	3.19E-07	2.70E-06	5.33E-06	3.11E-07	2.64E-06	5.17E-06	4.06E-07	3.40E-06	6.76E-06
4,134	3.19E-07	2.70E-06	5.32E-06	3.11E-07	2.64E-06	5.16E-06	4.06E-07	3.40E-06	6.76E-06
4,135	3.19E-07	2.70E-06	5.32E-06	3.11E-07	2.63E-06	5.16E-06	4.06E-07	3.40E-06	6.76E-06
4,136	3.19E-07	2.70E-06	5.32E-06	3.11E-07	2.63E-06	5.16E-06	4.06E-07	3.40E-06	6.76E-06
4,137	3.18E-07	2.70E-06	5.31E-06	3.11E-07	2.63E-06	5.16E-06	4.06E-07	3.40E-06	6.75E-06
4,138	3.18E-07	2.70E-06	5.31E-06	3.11E-07	2.63E-06	5.16E-06	4.06E-07	3.40E-06	6.75E-06
4,139	3.18E-07	2.70E-06	5.31E-06	3.10E-07	2.63E-06	5.16E-06	4.05E-07	3.40E-06	6.75E-06
4,140	3.18E-07	2.70E-06	5.31E-06	3.10E-07	2.63E-06	5.16E-06	4.05E-07	3.39E-06	6.75E-06
4,141	3.18E-07	2.70E-06	5.31E-06	3.10E-07	2.63E-06	5.16E-06	4.05E-07	3.39E-06	6.75E-06
4,142	3.18E-07	2.69E-06	5.31E-06	3.10E-07	2.63E-06	5.16E-06	4.05E-07	3.39E-06	6.75E-06
4,143	3.18E-07	2.69E-06	5.31E-06	3.10E-07	2.63E-06	5.15E-06	4.05E-07	3.39E-06	6.74E-06
4,144	3.18E-07	2.69E-06	5.31E-06	3.10E-07	2.63E-06	5.15E-06	4.05E-07	3.39E-06	6.74E-06
4,145	3.17E-07	2.69E-06	5.31E-06	3.10E-07	2.62E-06	5.15E-06	4.04E-07	3.38E-06	6.74E-06
4,146	3.17E-07	2.69E-06	5.31E-06	3.09E-07	2.62E-06	5.15E-06	4.04E-07	3.38E-06	6.74E-06
4,147	3.17E-07	2.69E-06	5.31E-06	3.09E-07	2.62E-06	5.15E-06	4.04E-07	3.38E-06	6.74E-06
4,148	3.17E-07	2.69E-06	5.31E-06	3.09E-07	2.62E-06	5.15E-06	4.04E-07	3.38E-06	6.74E-06
4,149	3.17E-07	2.68E-06	5.31E-06	3.09E-07	2.62E-06	5.15E-06	4.04E-07	3.38E-06	6.74E-06
4,150	3.16E-07	2.68E-06	5.31E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.38E-06	6.73E-06
4,151	3.16E-07	2.68E-06	5.30E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.38E-06	6.73E-06
4,152	3.16E-07	2.68E-06	5.30E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.38E-06	6.72E-06
4,153	3.16E-07	2.68E-06	5.30E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.38E-06	6.72E-06
4,154	3.16E-07	2.68E-06	5.30E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.37E-06	6.71E-06
4,155	3.16E-07	2.68E-06	5.29E-06	3.09E-07	2.62E-06	5.14E-06	4.04E-07	3.37E-06	6.71E-06
4,156	3.16E-07	2.68E-06	5.29E-06	3.09E-07	2.62E-06	5.14E-06	4.03E-07	3.37E-06	6.71E-06
4,157	3.16E-07	2.68E-06	5.29E-06	3.09E-07	2.62E-06	5.13E-06	4.03E-07	3.37E-06	6.71E-06
4,158	3.16E-07	2.68E-06	5.29E-06	3.08E-07	2.62E-06	5.13E-06	4.03E-07	3.37E-06	6.71E-06
4,159	3.16E-07	2.68E-06	5.28E-06	3.08E-07	2.62E-06	5.13E-06	4.03E-07	3.37E-06	6.71E-06
4,160	3.16E-07	2.68E-06	5.28E-06	3.08E-07	2.62E-06	5.13E-06	4.03E-07	3.36E-06	6.70E-06
4,161	3.16E-07	2.68E-06	5.28E-06	3.08E-07	2.61E-06	5.13E-06	4.03E-07	3.36E-06	6.70E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,194	3.13E-07	2.64E-06	5.23E-06	3.06E-07	2.59E-06	5.08E-06	3.99E-07	3.34E-06	6.65E-06
4,195	3.13E-07	2.64E-06	5.23E-06	3.06E-07	2.59E-06	5.08E-06	3.99E-07	3.33E-06	6.65E-06
4,196	3.13E-07	2.63E-06	5.23E-06	3.06E-07	2.59E-06	5.08E-06	3.99E-07	3.33E-06	6.64E-06
4,197	3.13E-07	2.63E-06	5.23E-06	3.06E-07	2.58E-06	5.07E-06	3.99E-07	3.33E-06	6.64E-06
4,198	3.12E-07	2.63E-06	5.23E-06	3.05E-07	2.58E-06	5.07E-06	3.99E-07	3.33E-06	6.64E-06
4,199	3.12E-07	2.63E-06	5.23E-06	3.05E-07	2.58E-06	5.07E-06	3.98E-07	3.33E-06	6.64E-06
4,200	3.12E-07	2.63E-06	5.22E-06	3.05E-07	2.58E-06	5.07E-06	3.98E-07	3.33E-06	6.63E-06
4,201	3.12E-07	2.63E-06	5.22E-06	3.05E-07	2.58E-06	5.07E-06	3.98E-07	3.33E-06	6.63E-06
4,202	3.12E-07	2.63E-06	5.22E-06	3.05E-07	2.58E-06	5.07E-06	3.98E-07	3.33E-06	6.63E-06
4,203	3.12E-07	2.63E-06	5.22E-06	3.05E-07	2.58E-06	5.07E-06	3.98E-07	3.33E-06	6.62E-06
4,204	3.12E-07	2.63E-06	5.22E-06	3.05E-07	2.58E-06	5.06E-06	3.98E-07	3.33E-06	6.62E-06
4,205	3.12E-07	2.63E-06	5.21E-06	3.05E-07	2.58E-06	5.06E-06	3.98E-07	3.33E-06	6.62E-06
4,206	3.12E-07	2.62E-06	5.21E-06	3.05E-07	2.58E-06	5.06E-06	3.97E-07	3.32E-06	6.61E-06
4,207	3.11E-07	2.62E-06	5.21E-06	3.05E-07	2.58E-06	5.06E-06	3.97E-07	3.32E-06	6.61E-06
4,208	3.11E-07	2.62E-06	5.21E-06	3.05E-07	2.58E-06	5.06E-06	3.97E-07	3.32E-06	6.61E-06
4,209	3.11E-07	2.62E-06	5.21E-06	3.05E-07	2.58E-06	5.05E-06	3.97E-07	3.32E-06	6.60E-06
4,210	3.11E-07	2.62E-06	5.20E-06	3.05E-07	2.58E-06	5.05E-06	3.96E-07	3.32E-06	6.60E-06
4,211	3.11E-07	2.62E-06	5.20E-06	3.05E-07	2.58E-06	5.05E-06	3.96E-07	3.32E-06	6.60E-06
4,212	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.96E-07	3.32E-06	6.60E-06
4,213	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.96E-07	3.32E-06	6.60E-06
4,214	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.60E-06
4,215	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.59E-06
4,216	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.59E-06
4,217	3.11E-07	2.62E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.59E-06
4,218	3.11E-07	2.61E-06	5.19E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.58E-06
4,219	3.11E-07	2.61E-06	5.18E-06	3.04E-07	2.57E-06	5.05E-06	3.95E-07	3.31E-06	6.58E-06
4,220	3.11E-07	2.61E-06	5.18E-06	3.04E-07	2.57E-06	5.04E-06	3.95E-07	3.31E-06	6.58E-06
4,221	3.11E-07	2.61E-06	5.18E-06	3.04E-07	2.57E-06	5.04E-06	3.95E-07	3.31E-06	6.58E-06
4,222	3.11E-07	2.61E-06	5.18E-06	3.04E-07	2.57E-06	5.04E-06	3.94E-07	3.30E-06	6.58E-06
4,223	3.10E-07	2.61E-06	5.17E-06	3.04E-07	2.56E-06	5.04E-06	3.94E-07	3.30E-06	6.58E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,256	3.08E-07	2.59E-06	5.11E-06	3.00E-07	2.54E-06	4.99E-06	3.90E-07	3.27E-06	6.53E-06
4,257	3.08E-07	2.58E-06	5.11E-06	3.00E-07	2.54E-06	4.99E-06	3.90E-07	3.27E-06	6.53E-06
4,258	3.08E-07	2.58E-06	5.11E-06	3.00E-07	2.53E-06	4.99E-06	3.90E-07	3.27E-06	6.53E-06
4,259	3.08E-07	2.58E-06	5.11E-06	3.00E-07	2.53E-06	4.99E-06	3.90E-07	3.27E-06	6.53E-06
4,260	3.08E-07	2.58E-06	5.11E-06	3.00E-07	2.53E-06	4.98E-06	3.89E-07	3.27E-06	6.53E-06
4,261	3.08E-07	2.58E-06	5.11E-06	3.00E-07	2.53E-06	4.98E-06	3.89E-07	3.27E-06	6.53E-06
4,262	3.08E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.98E-06	3.89E-07	3.27E-06	6.53E-06
4,263	3.08E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.98E-06	3.89E-07	3.26E-06	6.53E-06
4,264	3.08E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.98E-06	3.89E-07	3.26E-06	6.53E-06
4,265	3.08E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.97E-06	3.89E-07	3.26E-06	6.52E-06
4,266	3.08E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.97E-06	3.89E-07	3.26E-06	6.52E-06
4,267	3.07E-07	2.58E-06	5.10E-06	2.99E-07	2.53E-06	4.97E-06	3.88E-07	3.26E-06	6.52E-06
4,268	3.07E-07	2.58E-06	5.09E-06	2.99E-07	2.53E-06	4.97E-06	3.88E-07	3.26E-06	6.52E-06
4,269	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.97E-06	3.88E-07	3.26E-06	6.51E-06
4,270	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.97E-06	3.88E-07	3.26E-06	6.51E-06
4,271	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.96E-06	3.88E-07	3.26E-06	6.51E-06
4,272	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.96E-06	3.88E-07	3.26E-06	6.50E-06
4,273	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.96E-06	3.88E-07	3.26E-06	6.50E-06
4,274	3.07E-07	2.58E-06	5.09E-06	2.98E-07	2.53E-06	4.96E-06	3.88E-07	3.25E-06	6.50E-06
4,275	3.07E-07	2.57E-06	5.09E-06	2.98E-07	2.53E-06	4.96E-06	3.88E-07	3.25E-06	6.49E-06
4,276	3.07E-07	2.57E-06	5.09E-06	2.98E-07	2.52E-06	4.96E-06	3.87E-07	3.25E-06	6.49E-06
4,277	3.07E-07	2.57E-06	5.09E-06	2.98E-07	2.52E-06	4.95E-06	3.87E-07	3.25E-06	6.49E-06
4,278	3.07E-07	2.57E-06	5.09E-06	2.98E-07	2.52E-06	4.95E-06	3.87E-07	3.25E-06	6.49E-06
4,279	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.95E-06	3.87E-07	3.25E-06	6.49E-06
4,280	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.95E-06	3.86E-07	3.25E-06	6.49E-06
4,281	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.95E-06	3.86E-07	3.25E-06	6.48E-06
4,282	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.95E-06	3.86E-07	3.25E-06	6.48E-06
4,283	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.94E-06	3.86E-07	3.25E-06	6.48E-06
4,284	3.07E-07	2.57E-06	5.08E-06	2.98E-07	2.52E-06	4.94E-06	3.86E-07	3.25E-06	6.48E-06
4,285	3.07E-07	2.57E-06	5.08E-06	2.97E-07	2.52E-06	4.94E-06	3.86E-07	3.25E-06	6.48E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,318	3.04E-07	2.54E-06	5.04E-06	2.94E-07	2.49E-06	4.90E-06	3.81E-07	3.22E-06	6.41E-06
4,319	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.90E-06	3.81E-07	3.22E-06	6.41E-06
4,320	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.90E-06	3.80E-07	3.22E-06	6.41E-06
4,321	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.90E-06	3.80E-07	3.22E-06	6.40E-06
4,322	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.89E-06	3.80E-07	3.22E-06	6.40E-06
4,323	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.89E-06	3.80E-07	3.22E-06	6.40E-06
4,324	3.04E-07	2.54E-06	5.03E-06	2.94E-07	2.49E-06	4.89E-06	3.80E-07	3.22E-06	6.40E-06
4,325	3.04E-07	2.54E-06	5.03E-06	2.93E-07	2.49E-06	4.89E-06	3.80E-07	3.22E-06	6.40E-06
4,326	3.04E-07	2.53E-06	5.03E-06	2.93E-07	2.49E-06	4.89E-06	3.80E-07	3.22E-06	6.40E-06
4,327	3.04E-07	2.53E-06	5.03E-06	2.93E-07	2.49E-06	4.89E-06	3.80E-07	3.21E-06	6.40E-06
4,328	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.88E-06	3.79E-07	3.21E-06	6.40E-06
4,329	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.88E-06	3.79E-07	3.21E-06	6.39E-06
4,330	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.88E-06	3.79E-07	3.21E-06	6.39E-06
4,331	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.87E-06	3.79E-07	3.21E-06	6.39E-06
4,332	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.87E-06	3.79E-07	3.20E-06	6.39E-06
4,333	3.04E-07	2.53E-06	5.02E-06	2.93E-07	2.48E-06	4.87E-06	3.79E-07	3.20E-06	6.39E-06
4,334	3.04E-07	2.53E-06	5.01E-06	2.93E-07	2.48E-06	4.87E-06	3.79E-07	3.20E-06	6.39E-06
4,335	3.03E-07	2.53E-06	5.01E-06	2.93E-07	2.48E-06	4.87E-06	3.79E-07	3.20E-06	6.39E-06
4,336	3.03E-07	2.53E-06	5.01E-06	2.93E-07	2.48E-06	4.87E-06	3.78E-07	3.20E-06	6.39E-06
4,337	3.03E-07	2.53E-06	5.00E-06	2.93E-07	2.48E-06	4.87E-06	3.78E-07	3.20E-06	6.38E-06
4,338	3.03E-07	2.53E-06	5.00E-06	2.93E-07	2.48E-06	4.87E-06	3.78E-07	3.20E-06	6.38E-06
4,339	3.03E-07	2.53E-06	5.00E-06	2.93E-07	2.48E-06	4.87E-06	3.78E-07	3.20E-06	6.38E-06
4,340	3.03E-07	2.53E-06	5.00E-06	2.92E-07	2.48E-06	4.86E-06	3.78E-07	3.20E-06	6.38E-06
4,341	3.03E-07	2.53E-06	4.99E-06	2.92E-07	2.48E-06	4.86E-06	3.78E-07	3.20E-06	6.37E-06
4,342	3.03E-07	2.53E-06	4.99E-06	2.92E-07	2.47E-06	4.86E-06	3.78E-07	3.20E-06	6.37E-06
4,343	3.03E-07	2.53E-06	4.99E-06	2.92E-07	2.47E-06	4.86E-06	3.77E-07	3.20E-06	6.37E-06
4,344	3.03E-07	2.52E-06	4.99E-06	2.92E-07	2.47E-06	4.86E-06	3.77E-07	3.19E-06	6.37E-06
4,345	3.03E-07	2.52E-06	4.99E-06	2.92E-07	2.47E-06	4.86E-06	3.77E-07	3.19E-06	6.37E-06
4,346	3.03E-07	2.52E-06	4.98E-06	2.92E-07	2.47E-06	4.86E-06	3.77E-07	3.19E-06	6.36E-06
4,347	3.02E-07	2.52E-06	4.98E-06	2.92E-07	2.47E-06	4.86E-06	3.77E-07	3.19E-06	6.36E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (ng/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,380	3.00E-07	2.51E-06	4.95E-06	2.89E-07	2.45E-06	4.81E-06	3.74E-07	3.17E-06	6.29E-06
4,381	3.00E-07	2.50E-06	4.95E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.17E-06	6.29E-06
4,382	2.99E-07	2.50E-06	4.95E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.17E-06	6.28E-06
4,383	2.99E-07	2.50E-06	4.95E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.17E-06	6.28E-06
4,384	2.99E-07	2.50E-06	4.94E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.17E-06	6.28E-06
4,385	2.99E-07	2.50E-06	4.93E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.16E-06	6.28E-06
4,386	2.99E-07	2.50E-06	4.93E-06	2.89E-07	2.45E-06	4.81E-06	3.73E-07	3.16E-06	6.28E-06
4,387	2.99E-07	2.50E-06	4.93E-06	2.89E-07	2.44E-06	4.81E-06	3.73E-07	3.16E-06	6.28E-06
4,388	2.99E-07	2.50E-06	4.93E-06	2.88E-07	2.44E-06	4.81E-06	3.72E-07	3.16E-06	6.27E-06
4,389	2.99E-07	2.50E-06	4.93E-06	2.88E-07	2.44E-06	4.81E-06	3.72E-07	3.16E-06	6.27E-06
4,390	2.99E-07	2.50E-06	4.93E-06	2.88E-07	2.44E-06	4.81E-06	3.72E-07	3.16E-06	6.27E-06
4,391	2.99E-07	2.50E-06	4.93E-06	2.88E-07	2.44E-06	4.80E-06	3.72E-07	3.15E-06	6.27E-06
4,392	2.99E-07	2.50E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.72E-07	3.15E-06	6.27E-06
4,393	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.72E-07	3.15E-06	6.27E-06
4,394	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,395	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,396	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,397	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,398	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,399	2.98E-07	2.49E-06	4.92E-06	2.88E-07	2.44E-06	4.80E-06	3.71E-07	3.15E-06	6.27E-06
4,400	2.98E-07	2.49E-06	4.91E-06	2.87E-07	2.44E-06	4.79E-06	3.71E-07	3.15E-06	6.26E-06
4,401	2.98E-07	2.48E-06	4.91E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.15E-06	6.26E-06
4,402	2.98E-07	2.48E-06	4.91E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.15E-06	6.26E-06
4,403	2.97E-07	2.48E-06	4.91E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.15E-06	6.26E-06
4,404	2.97E-07	2.48E-06	4.91E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.15E-06	6.26E-06
4,405	2.97E-07	2.48E-06	4.90E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.15E-06	6.25E-06
4,406	2.97E-07	2.48E-06	4.90E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.14E-06	6.25E-06
4,407	2.97E-07	2.48E-06	4.90E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.14E-06	6.25E-06
4,408	2.97E-07	2.48E-06	4.90E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.14E-06	6.25E-06
4,409	2.96E-07	2.48E-06	4.90E-06	2.87E-07	2.44E-06	4.79E-06	3.70E-07	3.14E-06	6.25E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,442	2.94E-07	2.46E-06	4.84E-06	2.83E-07	2.41E-06	4.74E-06	3.67E-07	3.11E-06	6.18E-06
4,443	2.94E-07	2.45E-06	4.84E-06	2.83E-07	2.41E-06	4.73E-06	3.67E-07	3.11E-06	6.18E-06
4,444	2.94E-07	2.45E-06	4.84E-06	2.83E-07	2.41E-06	4.73E-06	3.67E-07	3.11E-06	6.18E-06
4,445	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.41E-06	4.73E-06	3.67E-07	3.10E-06	6.18E-06
4,446	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.41E-06	4.73E-06	3.67E-07	3.10E-06	6.18E-06
4,447	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.41E-06	4.73E-06	3.66E-07	3.10E-06	6.17E-06
4,448	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.41E-06	4.72E-06	3.66E-07	3.10E-06	6.17E-06
4,449	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.41E-06	4.72E-06	3.66E-07	3.10E-06	6.17E-06
4,450	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.40E-06	4.72E-06	3.66E-07	3.10E-06	6.17E-06
4,451	2.93E-07	2.45E-06	4.83E-06	2.83E-07	2.40E-06	4.71E-06	3.66E-07	3.10E-06	6.17E-06
4,452	2.93E-07	2.45E-06	4.82E-06	2.83E-07	2.40E-06	4.71E-06	3.66E-07	3.10E-06	6.17E-06
4,453	2.93E-07	2.45E-06	4.82E-06	2.82E-07	2.40E-06	4.71E-06	3.66E-07	3.10E-06	6.17E-06
4,454	2.93E-07	2.45E-06	4.82E-06	2.82E-07	2.40E-06	4.71E-06	3.66E-07	3.09E-06	6.17E-06
4,455	2.92E-07	2.45E-06	4.82E-06	2.82E-07	2.40E-06	4.71E-06	3.65E-07	3.09E-06	6.16E-06
4,456	2.92E-07	2.45E-06	4.82E-06	2.82E-07	2.40E-06	4.71E-06	3.65E-07	3.09E-06	6.16E-06
4,457	2.92E-07	2.45E-06	4.82E-06	2.82E-07	2.40E-06	4.71E-06	3.65E-07	3.09E-06	6.16E-06
4,458	2.92E-07	2.44E-06	4.82E-06	2.82E-07	2.40E-06	4.70E-06	3.65E-07	3.09E-06	6.16E-06
4,459	2.92E-07	2.44E-06	4.82E-06	2.82E-07	2.40E-06	4.70E-06	3.65E-07	3.09E-06	6.16E-06
4,460	2.92E-07	2.44E-06	4.82E-06	2.82E-07	2.40E-06	4.70E-06	3.65E-07	3.09E-06	6.16E-06
4,461	2.92E-07	2.44E-06	4.82E-06	2.82E-07	2.40E-06	4.70E-06	3.65E-07	3.09E-06	6.15E-06
4,462	2.92E-07	2.44E-06	4.81E-06	2.82E-07	2.40E-06	4.70E-06	3.64E-07	3.09E-06	6.15E-06
4,463	2.92E-07	2.44E-06	4.81E-06	2.82E-07	2.40E-06	4.70E-06	3.64E-07	3.09E-06	6.15E-06
4,464	2.92E-07	2.43E-06	4.81E-06	2.82E-07	2.40E-06	4.70E-06	3.64E-07	3.09E-06	6.15E-06
4,465	2.92E-07	2.43E-06	4.81E-06	2.82E-07	2.40E-06	4.70E-06	3.64E-07	3.09E-06	6.15E-06
4,466	2.92E-07	2.43E-06	4.81E-06	2.82E-07	2.39E-06	4.70E-06	3.64E-07	3.08E-06	6.15E-06
4,467	2.92E-07	2.43E-06	4.81E-06	2.82E-07	2.39E-06	4.70E-06	3.64E-07	3.08E-06	6.15E-06
4,468	2.92E-07	2.43E-06	4.80E-06	2.82E-07	2.39E-06	4.69E-06	3.64E-07	3.08E-06	6.15E-06
4,469	2.92E-07	2.43E-06	4.80E-06	2.82E-07	2.39E-06	4.69E-06	3.64E-07	3.08E-06	6.15E-06
4,470	2.92E-07	2.43E-06	4.80E-06	2.82E-07	2.39E-06	4.69E-06	3.64E-07	3.08E-06	6.14E-06
4,471	2.92E-07	2.43E-06	4.80E-06	2.82E-07	2.39E-06	4.69E-06	3.64E-07	3.08E-06	6.14E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,504	2.88E-07	2.40E-06	4.76E-06	2.79E-07	2.37E-06	4.65E-06	3.61E-07	3.05E-06	6.06E-06
4,505	2.88E-07	2.40E-06	4.76E-06	2.79E-07	2.37E-06	4.65E-06	3.60E-07	3.04E-06	6.06E-06
4,506	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.65E-06	3.60E-07	3.04E-06	6.06E-06
4,507	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.65E-06	3.60E-07	3.04E-06	6.05E-06
4,508	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.64E-06	3.60E-07	3.04E-06	6.05E-06
4,509	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.64E-06	3.60E-07	3.04E-06	6.05E-06
4,510	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.64E-06	3.59E-07	3.04E-06	6.04E-06
4,511	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.64E-06	3.59E-07	3.04E-06	6.04E-06
4,512	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.63E-06	3.59E-07	3.03E-06	6.04E-06
4,513	2.88E-07	2.40E-06	4.75E-06	2.78E-07	2.37E-06	4.63E-06	3.59E-07	3.03E-06	6.04E-06
4,514	2.88E-07	2.40E-06	4.74E-06	2.77E-07	2.37E-06	4.63E-06	3.59E-07	3.03E-06	6.04E-06
4,515	2.88E-07	2.40E-06	4.74E-06	2.77E-07	2.36E-06	4.63E-06	3.59E-07	3.03E-06	6.04E-06
4,516	2.88E-07	2.40E-06	4.74E-06	2.77E-07	2.36E-06	4.63E-06	3.59E-07	3.03E-06	6.04E-06
4,517	2.88E-07	2.40E-06	4.74E-06	2.77E-07	2.36E-06	4.63E-06	3.58E-07	3.03E-06	6.04E-06
4,518	2.87E-07	2.40E-06	4.74E-06	2.77E-07	2.36E-06	4.63E-06	3.58E-07	3.03E-06	6.04E-06
4,519	2.87E-07	2.40E-06	4.73E-06	2.77E-07	2.36E-06	4.63E-06	3.58E-07	3.03E-06	6.04E-06
4,520	2.87E-07	2.39E-06	4.73E-06	2.77E-07	2.36E-06	4.63E-06	3.58E-07	3.03E-06	6.03E-06
4,521	2.87E-07	2.39E-06	4.73E-06	2.77E-07	2.36E-06	4.63E-06	3.58E-07	3.03E-06	6.03E-06
4,522	2.87E-07	2.39E-06	4.73E-06	2.77E-07	2.35E-06	4.62E-06	3.58E-07	3.03E-06	6.03E-06
4,523	2.87E-07	2.39E-06	4.73E-06	2.77E-07	2.35E-06	4.62E-06	3.58E-07	3.02E-06	6.03E-06
4,524	2.87E-07	2.39E-06	4.73E-06	2.76E-07	2.35E-06	4.62E-06	3.58E-07	3.02E-06	6.03E-06
4,525	2.87E-07	2.39E-06	4.73E-06	2.76E-07	2.35E-06	4.62E-06	3.58E-07	3.02E-06	6.02E-06
4,526	2.87E-07	2.39E-06	4.73E-06	2.76E-07	2.35E-06	4.62E-06	3.58E-07	3.02E-06	6.02E-06
4,527	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.35E-06	4.62E-06	3.57E-07	3.02E-06	6.02E-06
4,528	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.62E-06	3.57E-07	3.02E-06	6.02E-06
4,529	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.61E-06	3.57E-07	3.02E-06	6.02E-06
4,530	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.61E-06	3.57E-07	3.02E-06	6.02E-06
4,531	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.61E-06	3.57E-07	3.02E-06	6.02E-06
4,532	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.61E-06	3.56E-07	3.02E-06	6.01E-06
4,533	2.86E-07	2.39E-06	4.72E-06	2.76E-07	2.34E-06	4.61E-06	3.56E-07	3.02E-06	6.01E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,566	2.83E-07	2.37E-06	4.68E-06	2.73E-07	2.31E-06	4.58E-06	3.52E-07	2.99E-06	5.96E-06
4,567	2.83E-07	2.37E-06	4.68E-06	2.73E-07	2.31E-06	4.57E-06	3.52E-07	2.99E-06	5.95E-06
4,568	2.83E-07	2.37E-06	4.68E-06	2.73E-07	2.31E-06	4.57E-06	3.52E-07	2.99E-06	5.95E-06
4,569	2.83E-07	2.36E-06	4.68E-06	2.73E-07	2.31E-06	4.57E-06	3.52E-07	2.98E-06	5.95E-06
4,570	2.83E-07	2.36E-06	4.68E-06	2.73E-07	2.31E-06	4.57E-06	3.51E-07	2.98E-06	5.95E-06
4,571	2.83E-07	2.36E-06	4.67E-06	2.73E-07	2.31E-06	4.57E-06	3.51E-07	2.98E-06	5.95E-06
4,572	2.83E-07	2.36E-06	4.67E-06	2.73E-07	2.31E-06	4.57E-06	3.51E-07	2.98E-06	5.95E-06
4,573	2.82E-07	2.36E-06	4.67E-06	2.72E-07	2.31E-06	4.57E-06	3.51E-07	2.98E-06	5.95E-06
4,574	2.82E-07	2.36E-06	4.67E-06	2.72E-07	2.31E-06	4.57E-06	3.51E-07	2.98E-06	5.95E-06
4,575	2.82E-07	2.36E-06	4.67E-06	2.72E-07	2.31E-06	4.56E-06	3.51E-07	2.98E-06	5.95E-06
4,576	2.82E-07	2.36E-06	4.66E-06	2.72E-07	2.31E-06	4.56E-06	3.51E-07	2.98E-06	5.94E-06
4,577	2.82E-07	2.36E-06	4.66E-06	2.72E-07	2.30E-06	4.56E-06	3.51E-07	2.98E-06	5.94E-06
4,578	2.82E-07	2.36E-06	4.66E-06	2.72E-07	2.30E-06	4.56E-06	3.51E-07	2.97E-06	5.94E-06
4,579	2.82E-07	2.36E-06	4.66E-06	2.72E-07	2.30E-06	4.56E-06	3.50E-07	2.97E-06	5.94E-06
4,580	2.82E-07	2.35E-06	4.66E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.94E-06
4,581	2.82E-07	2.35E-06	4.66E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.94E-06
4,582	2.81E-07	2.35E-06	4.66E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.94E-06
4,583	2.81E-07	2.35E-06	4.65E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.94E-06
4,584	2.81E-07	2.35E-06	4.65E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.93E-06
4,585	2.81E-07	2.35E-06	4.65E-06	2.72E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.93E-06
4,586	2.81E-07	2.35E-06	4.65E-06	2.71E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.93E-06
4,587	2.81E-07	2.35E-06	4.65E-06	2.71E-07	2.30E-06	4.55E-06	3.50E-07	2.97E-06	5.93E-06
4,588	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.30E-06	4.54E-06	3.50E-07	2.97E-06	5.93E-06
4,589	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.30E-06	4.54E-06	3.49E-07	2.97E-06	5.93E-06
4,590	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.97E-06	5.92E-06
4,591	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.97E-06	5.92E-06
4,592	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.97E-06	5.92E-06
4,593	2.81E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.97E-06	5.92E-06
4,594	2.80E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.96E-06	5.91E-06
4,595	2.80E-07	2.35E-06	4.64E-06	2.71E-07	2.29E-06	4.54E-06	3.49E-07	2.96E-06	5.91E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,628	2.77E-07	2.32E-06	4.58E-06	2.69E-07	2.27E-06	4.51E-06	3.45E-07	2.93E-06	5.86E-06
4,629	2.77E-07	2.32E-06	4.58E-06	2.69E-07	2.27E-06	4.51E-06	3.45E-07	2.93E-06	5.86E-06
4,630	2.77E-07	2.32E-06	4.58E-06	2.69E-07	2.27E-06	4.51E-06	3.45E-07	2.93E-06	5.86E-06
4,631	2.77E-07	2.32E-06	4.58E-06	2.69E-07	2.27E-06	4.51E-06	3.45E-07	2.93E-06	5.86E-06
4,632	2.77E-07	2.32E-06	4.58E-06	2.69E-07	2.27E-06	4.51E-06	3.45E-07	2.93E-06	5.86E-06
4,633	2.77E-07	2.31E-06	4.58E-06	2.69E-07	2.27E-06	4.50E-06	3.45E-07	2.93E-06	5.85E-06
4,634	2.77E-07	2.31E-06	4.58E-06	2.68E-07	2.27E-06	4.50E-06	3.44E-07	2.93E-06	5.85E-06
4,635	2.77E-07	2.31E-06	4.57E-06	2.68E-07	2.26E-06	4.50E-06	3.44E-07	2.92E-06	5.85E-06
4,636	2.77E-07	2.31E-06	4.57E-06	2.68E-07	2.26E-06	4.50E-06	3.44E-07	2.92E-06	5.85E-06
4,637	2.77E-07	2.31E-06	4.57E-06	2.68E-07	2.26E-06	4.50E-06	3.44E-07	2.92E-06	5.85E-06
4,638	2.77E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,639	2.77E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,640	2.77E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,641	2.77E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,642	2.76E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,643	2.76E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,644	2.76E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.84E-06
4,645	2.76E-07	2.31E-06	4.56E-06	2.68E-07	2.26E-06	4.49E-06	3.44E-07	2.92E-06	5.83E-06
4,646	2.76E-07	2.31E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.44E-07	2.92E-06	5.83E-06
4,647	2.76E-07	2.31E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.44E-07	2.92E-06	5.83E-06
4,648	2.76E-07	2.30E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.44E-07	2.92E-06	5.83E-06
4,649	2.76E-07	2.30E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.44E-07	2.92E-06	5.83E-06
4,650	2.76E-07	2.30E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.44E-07	2.92E-06	5.82E-06
4,651	2.76E-07	2.30E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.43E-07	2.92E-06	5.82E-06
4,652	2.75E-07	2.30E-06	4.55E-06	2.67E-07	2.26E-06	4.48E-06	3.43E-07	2.92E-06	5.81E-06
4,653	2.75E-07	2.30E-06	4.55E-06	2.67E-07	2.25E-06	4.48E-06	3.43E-07	2.92E-06	5.81E-06
4,654	2.75E-07	2.30E-06	4.55E-06	2.66E-07	2.25E-06	4.48E-06	3.43E-07	2.92E-06	5.81E-06
4,655	2.75E-07	2.30E-06	4.54E-06	2.66E-07	2.25E-06	4.47E-06	3.43E-07	2.92E-06	5.81E-06
4,656	2.75E-07	2.30E-06	4.54E-06	2.66E-07	2.25E-06	4.47E-06	3.43E-07	2.92E-06	5.81E-06
4,657	2.75E-07	2.30E-06	4.54E-06	2.66E-07	2.25E-06	4.47E-06	3.43E-07	2.91E-06	5.81E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,690	2.72E-07	2.28E-06	4.50E-06	2.64E-07	2.23E-06	4.44E-06	3.40E-07	2.88E-06	5.73E-06
4,691	2.72E-07	2.28E-06	4.50E-06	2.64E-07	2.23E-06	4.44E-06	3.40E-07	2.88E-06	5.73E-06
4,692	2.72E-07	2.27E-06	4.50E-06	2.63E-07	2.23E-06	4.44E-06	3.40E-07	2.88E-06	5.73E-06
4,693	2.72E-07	2.27E-06	4.50E-06	2.63E-07	2.23E-06	4.44E-06	3.40E-07	2.88E-06	5.73E-06
4,694	2.72E-07	2.27E-06	4.50E-06	2.63E-07	2.22E-06	4.44E-06	3.40E-07	2.88E-06	5.73E-06
4,695	2.72E-07	2.27E-06	4.50E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.88E-06	5.73E-06
4,696	2.72E-07	2.27E-06	4.50E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.88E-06	5.73E-06
4,697	2.72E-07	2.27E-06	4.49E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.88E-06	5.73E-06
4,698	2.72E-07	2.27E-06	4.49E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.88E-06	5.72E-06
4,699	2.72E-07	2.27E-06	4.49E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.88E-06	5.72E-06
4,700	2.72E-07	2.27E-06	4.49E-06	2.63E-07	2.22E-06	4.43E-06	3.40E-07	2.87E-06	5.72E-06
4,701	2.72E-07	2.27E-06	4.49E-06	2.63E-07	2.22E-06	4.42E-06	3.39E-07	2.87E-06	5.72E-06
4,702	2.72E-07	2.27E-06	4.48E-06	2.63E-07	2.22E-06	4.42E-06	3.39E-07	2.87E-06	5.71E-06
4,703	2.72E-07	2.27E-06	4.48E-06	2.63E-07	2.22E-06	4.42E-06	3.39E-07	2.87E-06	5.71E-06
4,704	2.71E-07	2.27E-06	4.48E-06	2.63E-07	2.22E-06	4.42E-06	3.39E-07	2.87E-06	5.71E-06
4,705	2.71E-07	2.27E-06	4.48E-06	2.63E-07	2.22E-06	4.42E-06	3.39E-07	2.86E-06	5.71E-06
4,706	2.71E-07	2.27E-06	4.48E-06	2.62E-07	2.22E-06	4.42E-06	3.39E-07	2.86E-06	5.71E-06
4,707	2.71E-07	2.27E-06	4.48E-06	2.62E-07	2.22E-06	4.42E-06	3.39E-07	2.86E-06	5.71E-06
4,708	2.71E-07	2.27E-06	4.48E-06	2.62E-07	2.22E-06	4.42E-06	3.39E-07	2.86E-06	5.71E-06
4,709	2.71E-07	2.27E-06	4.48E-06	2.62E-07	2.22E-06	4.41E-06	3.39E-07	2.86E-06	5.70E-06
4,710	2.71E-07	2.27E-06	4.48E-06	2.61E-07	2.22E-06	4.41E-06	3.39E-07	2.85E-06	5.70E-06
4,711	2.71E-07	2.27E-06	4.48E-06	2.61E-07	2.21E-06	4.41E-06	3.39E-07	2.85E-06	5.70E-06
4,712	2.71E-07	2.26E-06	4.48E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.70E-06
4,713	2.71E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.70E-06
4,714	2.71E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.69E-06
4,715	2.71E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.69E-06
4,716	2.71E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.68E-06
4,717	2.71E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.68E-06
4,718	2.70E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.41E-06	3.38E-07	2.85E-06	5.68E-06
4,719	2.70E-07	2.26E-06	4.47E-06	2.61E-07	2.21E-06	4.40E-06	3.38E-07	2.85E-06	5.68E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,752	2.68E-07	2.23E-06	4.42E-06	2.59E-07	2.19E-06	4.36E-06	3.35E-07	2.82E-06	5.63E-06
4,753	2.68E-07	2.23E-06	4.42E-06	2.59E-07	2.19E-06	4.36E-06	3.34E-07	2.82E-06	5.63E-06
4,754	2.68E-07	2.23E-06	4.42E-06	2.59E-07	2.19E-06	4.36E-06	3.34E-07	2.82E-06	5.62E-06
4,755	2.68E-07	2.23E-06	4.42E-06	2.58E-07	2.19E-06	4.36E-06	3.34E-07	2.82E-06	5.62E-06
4,756	2.68E-07	2.23E-06	4.42E-06	2.58E-07	2.19E-06	4.36E-06	3.34E-07	2.82E-06	5.62E-06
4,757	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.19E-06	4.36E-06	3.34E-07	2.82E-06	5.62E-06
4,758	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.19E-06	4.36E-06	3.33E-07	2.81E-06	5.62E-06
4,759	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.19E-06	4.36E-06	3.33E-07	2.81E-06	5.62E-06
4,760	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.18E-06	4.36E-06	3.33E-07	2.81E-06	5.62E-06
4,761	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.18E-06	4.36E-06	3.33E-07	2.81E-06	5.62E-06
4,762	2.67E-07	2.23E-06	4.42E-06	2.58E-07	2.18E-06	4.36E-06	3.33E-07	2.81E-06	5.62E-06
4,763	2.67E-07	2.23E-06	4.41E-06	2.58E-07	2.18E-06	4.36E-06	3.33E-07	2.81E-06	5.61E-06
4,764	2.67E-07	2.23E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.33E-07	2.81E-06	5.61E-06
4,765	2.67E-07	2.22E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.33E-07	2.80E-06	5.61E-06
4,766	2.67E-07	2.22E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.32E-07	2.80E-06	5.61E-06
4,767	2.67E-07	2.22E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.32E-07	2.80E-06	5.60E-06
4,768	2.67E-07	2.22E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.32E-07	2.80E-06	5.60E-06
4,769	2.66E-07	2.22E-06	4.41E-06	2.58E-07	2.18E-06	4.35E-06	3.32E-07	2.80E-06	5.60E-06
4,770	2.66E-07	2.22E-06	4.41E-06	2.57E-07	2.17E-06	4.35E-06	3.32E-07	2.80E-06	5.60E-06
4,771	2.66E-07	2.22E-06	4.41E-06	2.57E-07	2.17E-06	4.35E-06	3.32E-07	2.80E-06	5.59E-06
4,772	2.66E-07	2.22E-06	4.41E-06	2.57E-07	2.17E-06	4.35E-06	3.32E-07	2.80E-06	5.59E-06
4,773	2.66E-07	2.22E-06	4.40E-06	2.57E-07	2.17E-06	4.35E-06	3.32E-07	2.80E-06	5.59E-06
4,774	2.66E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.35E-06	3.32E-07	2.80E-06	5.59E-06
4,775	2.66E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.32E-07	2.80E-06	5.59E-06
4,776	2.66E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.32E-07	2.80E-06	5.59E-06
4,777	2.65E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.32E-07	2.80E-06	5.58E-06
4,778	2.65E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.32E-07	2.79E-06	5.58E-06
4,779	2.65E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.32E-07	2.79E-06	5.58E-06
4,780	2.65E-07	2.21E-06	4.40E-06	2.57E-07	2.17E-06	4.34E-06	3.31E-07	2.79E-06	5.58E-06
4,781	2.65E-07	2.20E-06	4.39E-06	2.57E-07	2.17E-06	4.34E-06	3.31E-07	2.79E-06	5.58E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
4,876	2.57E-07	2.14E-06	4.29E-06	2.51E-07	2.11E-06	4.24E-06	3.20E-07	2.72E-06	5.41E-06
4,877	2.57E-07	2.14E-06	4.29E-06	2.51E-07	2.11E-06	4.24E-06	3.20E-07	2.72E-06	5.41E-06
4,878	2.57E-07	2.14E-06	4.29E-06	2.51E-07	2.11E-06	4.23E-06	3.20E-07	2.72E-06	5.41E-06
4,879	2.57E-07	2.14E-06	4.29E-06	2.50E-07	2.11E-06	4.23E-06	3.20E-07	2.72E-06	5.40E-06
4,880	2.57E-07	2.13E-06	4.29E-06	2.50E-07	2.11E-06	4.23E-06	3.20E-07	2.72E-06	5.40E-06
4,881	2.57E-07	2.13E-06	4.29E-06	2.50E-07	2.10E-06	4.23E-06	3.20E-07	2.72E-06	5.40E-06
4,882	2.56E-07	2.13E-06	4.29E-06	2.50E-07	2.10E-06	4.23E-06	3.19E-07	2.72E-06	5.40E-06
4,883	2.56E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.23E-06	3.19E-07	2.72E-06	5.39E-06
4,884	2.56E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.23E-06	3.19E-07	2.72E-06	5.39E-06
4,885	2.56E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.23E-06	3.19E-07	2.72E-06	5.39E-06
4,886	2.56E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.23E-06	3.19E-07	2.72E-06	5.39E-06
4,887	2.55E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.22E-06	3.19E-07	2.72E-06	5.39E-06
4,888	2.55E-07	2.13E-06	4.28E-06	2.50E-07	2.10E-06	4.22E-06	3.19E-07	2.72E-06	5.39E-06
4,889	2.55E-07	2.13E-06	4.27E-06	2.50E-07	2.10E-06	4.22E-06	3.19E-07	2.71E-06	5.39E-06
4,890	2.55E-07	2.13E-06	4.27E-06	2.49E-07	2.10E-06	4.22E-06	3.19E-07	2.71E-06	5.39E-06
4,891	2.55E-07	2.13E-06	4.27E-06	2.49E-07	2.10E-06	4.22E-06	3.19E-07	2.71E-06	5.39E-06
4,892	2.55E-07	2.13E-06	4.27E-06	2.49E-07	2.09E-06	4.22E-06	3.19E-07	2.71E-06	5.38E-06
4,893	2.55E-07	2.12E-06	4.27E-06	2.49E-07	2.09E-06	4.22E-06	3.18E-07	2.71E-06	5.38E-06
4,894	2.55E-07	2.12E-06	4.27E-06	2.49E-07	2.09E-06	4.22E-06	3.18E-07	2.71E-06	5.38E-06
4,895	2.55E-07	2.12E-06	4.27E-06	2.49E-07	2.09E-06	4.22E-06	3.18E-07	2.71E-06	5.38E-06
4,896	2.55E-07	2.12E-06	4.27E-06	2.49E-07	2.09E-06	4.21E-06	3.18E-07	2.71E-06	5.38E-06
4,897	2.55E-07	2.12E-06	4.27E-06	2.48E-07	2.09E-06	4.21E-06	3.18E-07	2.71E-06	5.37E-06
4,898	2.55E-07	2.12E-06	4.27E-06	2.48E-07	2.09E-06	4.21E-06	3.18E-07	2.71E-06	5.37E-06
4,899	2.55E-07	2.12E-06	4.27E-06	2.48E-07	2.09E-06	4.21E-06	3.18E-07	2.71E-06	5.37E-06
4,900	2.54E-07	2.12E-06	4.27E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.71E-06	5.37E-06
4,901	2.54E-07	2.12E-06	4.26E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.71E-06	5.36E-06
4,902	2.54E-07	2.12E-06	4.26E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.70E-06	5.36E-06
4,903	2.54E-07	2.12E-06	4.26E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.70E-06	5.36E-06
4,904	2.54E-07	2.12E-06	4.26E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.70E-06	5.36E-06
4,905	2.54E-07	2.12E-06	4.26E-06	2.48E-07	2.09E-06	4.20E-06	3.18E-07	2.70E-06	5.36E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
5,124	2.38E-07	1.98E-06	4.02E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.52E-06	5.03E-06
5,125	2.38E-07	1.98E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.52E-06	5.03E-06
5,126	2.38E-07	1.98E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.02E-06
5,127	2.38E-07	1.98E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.02E-06
5,128	2.38E-07	1.98E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.02E-06
5,129	2.38E-07	1.97E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.02E-06
5,130	2.38E-07	1.97E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.02E-06
5,131	2.38E-07	1.97E-06	4.01E-06	2.34E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.01E-06
5,132	2.38E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.01E-06
5,133	2.38E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.96E-06	2.98E-07	2.51E-06	5.01E-06
5,134	2.37E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.95E-06	2.98E-07	2.51E-06	5.01E-06
5,135	2.37E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.95E-06	2.98E-07	2.51E-06	5.01E-06
5,136	2.37E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.95E-06	2.98E-07	2.51E-06	5.01E-06
5,137	2.37E-07	1.97E-06	4.01E-06	2.33E-07	1.94E-06	3.95E-06	2.98E-07	2.51E-06	5.01E-06
5,138	2.37E-07	1.97E-06	4.00E-06	2.33E-07	1.93E-06	3.95E-06	2.97E-07	2.50E-06	5.01E-06
5,139	2.37E-07	1.97E-06	4.00E-06	2.33E-07	1.93E-06	3.95E-06	2.97E-07	2.50E-06	5.00E-06
5,140	2.37E-07	1.97E-06	4.00E-06	2.33E-07	1.93E-06	3.95E-06	2.97E-07	2.50E-06	5.00E-06
5,141	2.37E-07	1.97E-06	4.00E-06	2.33E-07	1.93E-06	3.95E-06	2.97E-07	2.50E-06	5.00E-06
5,142	2.37E-07	1.96E-06	4.00E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	5.00E-06
5,143	2.37E-07	1.96E-06	4.00E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	5.00E-06
5,144	2.37E-07	1.96E-06	4.00E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	5.00E-06
5,145	2.37E-07	1.96E-06	4.00E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	5.00E-06
5,146	2.37E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	5.00E-06
5,147	2.37E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	4.99E-06
5,148	2.37E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.94E-06	2.97E-07	2.50E-06	4.99E-06
5,149	2.37E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.93E-06	2.97E-07	2.50E-06	4.99E-06
5,150	2.36E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.93E-06	2.97E-07	2.49E-06	4.99E-06
5,151	2.36E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.99E-06
5,152	2.36E-07	1.96E-06	3.99E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.99E-06
5,153	2.36E-07	1.96E-06	3.98E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.99E-06
5,154	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,155	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,156	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,157	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.93E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,158	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.92E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,159	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.92E-06	3.93E-06	2.96E-07	2.49E-06	4.98E-06
5,160	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.92E-06	3.92E-06	2.96E-07	2.48E-06	4.98E-06
5,161	2.36E-07	1.95E-06	3.98E-06	2.32E-07	1.92E-06	3.92E-06	2.96E-07	2.48E-06	4.98E-06
5,162	2.36E-07	1.95E-06	3.97E-06	2.32E-07	1.92E-06	3.92E-06	2.95E-07	2.48E-06	4.98E-06
5,163	2.36E-07	1.95E-06	3.97E-06	2.32E-07	1.92E-06	3.92E-06	2.95E-07	2.48E-06	4.97E-06
5,164	2.36E-07	1.95E-06	3.97E-06	2.31E-07	1.92E-06	3.92E-06	2.95E-07	2.48E-06	4.97E-06
5,165	2.36E-07	1.95E-06	3.97E-06	2.31E-07	1.92E-06	3.91E-06	2.95E-07	2.48E-06	4.97E-06
5,166	2.35E-07	1.95E-06	3.97E-06	2.31E-07	1.92E-06	3.91E-06	2.95E-07	2.48E-06	4.97E-06
5,167	2.35E-07	1.95E-06	3.97E-06	2.31E-07	1.92E-06	3.91E-06	2.95E-07	2.48E-06	4.97E-06
5,168	2.35E-07	1.95E-06	3.96E-06	2.31E-07	1.92E-06	3.91E-06	2.95E-07	2.48E-06	4.96E-06
5,169	2.35E-07	1.95E-06	3.96E-06	2.31E-07	1.92E-06	3.91E-06	2.95E-07	2.48E-06	4.96E-06
5,170	2.35E-07	1.95E-06	3.96E-06	2.31E-07	1.92E-06	3.91E-06	2.94E-07	2.47E-06	4.96E-06
5,171	2.35E-07	1.95E-06	3.96E-06	2.31E-07	1.92E-06	3.91E-06	2.94E-07	2.47E-06	4.96E-06
5,172	2.35E-07	1.94E-06	3.96E-06	2.31E-07	1.92E-06	3.91E-06	2.94E-07	2.47E-06	4.96E-06
5,173	2.35E-07	1.94E-06	3.96E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.96E-06
5,174	2.35E-07	1.94E-06	3.96E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.96E-06
5,175	2.35E-07	1.94E-06	3.95E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,176	2.35E-07	1.94E-06	3.95E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,177	2.35E-07	1.94E-06	3.95E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,178	2.35E-07	1.94E-06	3.95E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,179	2.35E-07	1.94E-06	3.95E-06	2.31E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,180	2.35E-07	1.94E-06	3.95E-06	2.30E-07	1.92E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,181	2.35E-07	1.94E-06	3.95E-06	2.30E-07	1.91E-06	3.90E-06	2.94E-07	2.47E-06	4.95E-06
5,182	2.34E-07	1.94E-06	3.95E-06	2.30E-07	1.91E-06	3.89E-06	2.94E-07	2.47E-06	4.95E-06
5,183	2.34E-07	1.94E-06	3.94E-06	2.30E-07	1.91E-06	3.89E-06	2.93E-07	2.47E-06	4.95E-06
5,184	2.34E-07	1.94E-06	3.94E-06	2.30E-07	1.91E-06	3.89E-06	2.93E-07	2.47E-06	4.94E-06
5,185	2.34E-07	1.94E-06	3.94E-06	2.30E-07	1.91E-06	3.89E-06	2.93E-07	2.47E-06	4.94E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
5,248	2.30E-07	1.91E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.86E-07	2.42E-06	4.85E-06
5,249	2.30E-07	1.90E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.86E-07	2.41E-06	4.85E-06
5,250	2.30E-07	1.90E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.86E-07	2.41E-06	4.84E-06
5,251	2.30E-07	1.90E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.85E-07	2.41E-06	4.84E-06
5,252	2.30E-07	1.90E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.85E-07	2.41E-06	4.84E-06
5,253	2.30E-07	1.90E-06	3.87E-06	2.26E-07	1.88E-06	3.84E-06	2.85E-07	2.41E-06	4.84E-06
5,254	2.30E-07	1.90E-06	3.87E-06	2.25E-07	1.88E-06	3.84E-06	2.85E-07	2.41E-06	4.84E-06
5,255	2.29E-07	1.90E-06	3.87E-06	2.25E-07	1.88E-06	3.83E-06	2.85E-07	2.41E-06	4.84E-06
5,256	2.29E-07	1.90E-06	3.87E-06	2.25E-07	1.88E-06	3.83E-06	2.85E-07	2.41E-06	4.84E-06
5,257	2.29E-07	1.90E-06	3.86E-06	2.25E-07	1.88E-06	3.83E-06	2.85E-07	2.41E-06	4.84E-06
5,258	2.29E-07	1.90E-06	3.86E-06	2.25E-07	1.88E-06	3.83E-06	2.85E-07	2.41E-06	4.84E-06
5,259	2.29E-07	1.90E-06	3.86E-06	2.25E-07	1.88E-06	3.83E-06	2.85E-07	2.41E-06	4.83E-06
5,260	2.29E-07	1.90E-06	3.86E-06	2.25E-07	1.87E-06	3.83E-06	2.85E-07	2.41E-06	4.83E-06
5,261	2.29E-07	1.90E-06	3.86E-06	2.25E-07	1.87E-06	3.82E-06	2.85E-07	2.41E-06	4.83E-06
5,262	2.29E-07	1.90E-06	3.85E-06	2.25E-07	1.87E-06	3.82E-06	2.85E-07	2.41E-06	4.83E-06
5,263	2.29E-07	1.89E-06	3.85E-06	2.25E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.83E-06
5,264	2.29E-07	1.89E-06	3.85E-06	2.25E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.83E-06
5,265	2.29E-07	1.89E-06	3.85E-06	2.25E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,266	2.29E-07	1.89E-06	3.85E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,267	2.29E-07	1.89E-06	3.85E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,268	2.29E-07	1.89E-06	3.85E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,269	2.28E-07	1.89E-06	3.85E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,270	2.28E-07	1.89E-06	3.84E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.41E-06	4.82E-06
5,271	2.28E-07	1.89E-06	3.84E-06	2.24E-07	1.87E-06	3.82E-06	2.84E-07	2.40E-06	4.82E-06
5,272	2.28E-07	1.89E-06	3.84E-06	2.24E-07	1.87E-06	3.81E-06	2.84E-07	2.40E-06	4.82E-06
5,273	2.28E-07	1.89E-06	3.83E-06	2.24E-07	1.87E-06	3.81E-06	2.83E-07	2.40E-06	4.81E-06
5,274	2.28E-07	1.89E-06	3.83E-06	2.24E-07	1.87E-06	3.81E-06	2.83E-07	2.40E-06	4.81E-06
5,275	2.28E-07	1.89E-06	3.83E-06	2.24E-07	1.87E-06	3.81E-06	2.83E-07	2.40E-06	4.81E-06
5,276	2.28E-07	1.89E-06	3.83E-06	2.24E-07	1.87E-06	3.81E-06	2.83E-07	2.40E-06	4.81E-06
5,277	2.28E-07	1.89E-06	3.83E-06	2.24E-07	1.87E-06	3.81E-06	2.83E-07	2.40E-06	4.81E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
5,496	2.13E-07	1.77E-06	3.61E-06	2.10E-07	1.73E-06	3.57E-06	2.66E-07	2.24E-06	4.52E-06
5,497	2.13E-07	1.77E-06	3.61E-06	2.10E-07	1.73E-06	3.57E-06	2.65E-07	2.23E-06	4.52E-06
5,498	2.13E-07	1.77E-06	3.61E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.52E-06
5,499	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.52E-06
5,500	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.52E-06
5,501	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.52E-06
5,502	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,503	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,504	2.13E-07	1.77E-06	3.60E-06	2.10E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,505	2.13E-07	1.77E-06	3.60E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,506	2.13E-07	1.77E-06	3.60E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,507	2.13E-07	1.77E-06	3.59E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.23E-06	4.51E-06
5,508	2.13E-07	1.77E-06	3.59E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.22E-06	4.51E-06
5,509	2.13E-07	1.77E-06	3.59E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.22E-06	4.51E-06
5,510	2.12E-07	1.77E-06	3.58E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.22E-06	4.51E-06
5,511	2.12E-07	1.77E-06	3.58E-06	2.09E-07	1.73E-06	3.56E-06	2.65E-07	2.22E-06	4.51E-06
5,512	2.12E-07	1.77E-06	3.58E-06	2.09E-07	1.73E-06	3.55E-06	2.65E-07	2.22E-06	4.51E-06
5,513	2.12E-07	1.77E-06	3.58E-06	2.09E-07	1.73E-06	3.55E-06	2.65E-07	2.22E-06	4.50E-06
5,514	2.12E-07	1.76E-06	3.58E-06	2.09E-07	1.73E-06	3.55E-06	2.65E-07	2.22E-06	4.50E-06
5,515	2.12E-07	1.76E-06	3.58E-06	2.09E-07	1.72E-06	3.55E-06	2.65E-07	2.22E-06	4.50E-06
5,516	2.12E-07	1.76E-06	3.58E-06	2.09E-07	1.72E-06	3.55E-06	2.64E-07	2.22E-06	4.50E-06
5,517	2.12E-07	1.76E-06	3.58E-06	2.09E-07	1.72E-06	3.55E-06	2.64E-07	2.22E-06	4.50E-06
5,518	2.12E-07	1.76E-06	3.57E-06	2.09E-07	1.72E-06	3.55E-06	2.64E-07	2.22E-06	4.50E-06
5,519	2.12E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.55E-06	2.64E-07	2.22E-06	4.50E-06
5,520	2.12E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.55E-06	2.64E-07	2.22E-06	4.50E-06
5,521	2.12E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.55E-06	2.64E-07	2.21E-06	4.50E-06
5,522	2.12E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.54E-06	2.64E-07	2.21E-06	4.50E-06
5,523	2.11E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.54E-06	2.64E-07	2.21E-06	4.49E-06
5,524	2.11E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.54E-06	2.64E-07	2.21E-06	4.49E-06
5,525	2.11E-07	1.76E-06	3.57E-06	2.08E-07	1.72E-06	3.54E-06	2.64E-07	2.21E-06	4.49E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

[illegible]

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,294	1.22E-07	9.95E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.52E-07	1.24E-06	2.62E-06
7,295	1.22E-07	9.95E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.52E-07	1.24E-06	2.62E-06
7,296	1.22E-07	9.93E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.52E-07	1.24E-06	2.61E-06
7,297	1.22E-07	9.93E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,298	1.22E-07	9.92E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,299	1.22E-07	9.92E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,300	1.22E-07	9.92E-07	2.09E-06	1.21E-07	1.00E-06	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,301	1.22E-07	9.92E-07	2.09E-06	1.21E-07	9.99E-07	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,302	1.22E-07	9.92E-07	2.09E-06	1.21E-07	9.99E-07	2.09E-06	1.51E-07	1.24E-06	2.61E-06
7,303	1.22E-07	9.91E-07	2.09E-06	1.21E-07	9.98E-07	2.08E-06	1.51E-07	1.24E-06	2.61E-06
7,304	1.22E-07	9.91E-07	2.09E-06	1.21E-07	9.98E-07	2.08E-06	1.51E-07	1.24E-06	2.61E-06
7,305	1.22E-07	9.91E-07	2.09E-06	1.21E-07	9.98E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,306	1.22E-07	9.90E-07	2.09E-06	1.21E-07	9.98E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,307	1.21E-07	9.90E-07	2.09E-06	1.21E-07	9.98E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,308	1.21E-07	9.90E-07	2.09E-06	1.21E-07	9.97E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,309	1.21E-07	9.89E-07	2.09E-06	1.21E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,310	1.21E-07	9.88E-07	2.09E-06	1.21E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,311	1.21E-07	9.87E-07	2.09E-06	1.21E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,312	1.21E-07	9.87E-07	2.08E-06	1.20E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.61E-06
7,313	1.21E-07	9.87E-07	2.08E-06	1.20E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.60E-06
7,314	1.21E-07	9.86E-07	2.08E-06	1.20E-07	9.96E-07	2.08E-06	1.51E-07	1.23E-06	2.60E-06
7,315	1.21E-07	9.86E-07	2.08E-06	1.20E-07	9.96E-07	2.08E-06	1.50E-07	1.23E-06	2.60E-06
7,316	1.21E-07	9.86E-07	2.08E-06	1.20E-07	9.96E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,317	1.21E-07	9.86E-07	2.08E-06	1.20E-07	9.95E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,318	1.20E-07	9.84E-07	2.08E-06	1.20E-07	9.95E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,319	1.20E-07	9.84E-07	2.08E-06	1.20E-07	9.95E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,320	1.20E-07	9.83E-07	2.08E-06	1.20E-07	9.95E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,321	1.20E-07	9.83E-07	2.08E-06	1.20E-07	9.95E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,322	1.20E-07	9.83E-07	2.08E-06	1.20E-07	9.94E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06
7,323	1.20E-07	9.82E-07	2.08E-06	1.20E-07	9.94E-07	2.07E-06	1.50E-07	1.23E-06	2.60E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,356	1.19E-07	9.71E-07	2.06E-06	1.19E-07	9.81E-07	2.05E-06	1.48E-07	1.21E-06	2.57E-06
7,357	1.19E-07	9.71E-07	2.06E-06	1.19E-07	9.81E-07	2.05E-06	1.48E-07	1.21E-06	2.57E-06
7,358	1.19E-07	9.70E-07	2.06E-06	1.19E-07	9.80E-07	2.05E-06	1.48E-07	1.21E-06	2.57E-06
7,359	1.19E-07	9.70E-07	2.06E-06	1.19E-07	9.80E-07	2.05E-06	1.48E-07	1.21E-06	2.57E-06
7,360	1.19E-07	9.70E-07	2.06E-06	1.19E-07	9.80E-07	2.05E-06	1.48E-07	1.21E-06	2.57E-06
7,361	1.19E-07	9.70E-07	2.05E-06	1.18E-07	9.79E-07	2.05E-06	1.47E-07	1.21E-06	2.57E-06
7,362	1.19E-07	9.69E-07	2.05E-06	1.18E-07	9.79E-07	2.05E-06	1.47E-07	1.21E-06	2.57E-06
7,363	1.19E-07	9.69E-07	2.05E-06	1.18E-07	9.79E-07	2.04E-06	1.47E-07	1.21E-06	2.57E-06
7,364	1.19E-07	9.69E-07	2.05E-06	1.18E-07	9.79E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,365	1.19E-07	9.69E-07	2.05E-06	1.18E-07	9.79E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,366	1.19E-07	9.67E-07	2.05E-06	1.18E-07	9.79E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,367	1.19E-07	9.66E-07	2.05E-06	1.18E-07	9.78E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,368	1.18E-07	9.66E-07	2.04E-06	1.18E-07	9.78E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,369	1.18E-07	9.66E-07	2.04E-06	1.18E-07	9.78E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,370	1.18E-07	9.66E-07	2.04E-06	1.18E-07	9.78E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,371	1.18E-07	9.66E-07	2.04E-06	1.18E-07	9.78E-07	2.04E-06	1.47E-07	1.21E-06	2.56E-06
7,372	1.18E-07	9.66E-07	2.04E-06	1.18E-07	9.77E-07	2.04E-06	1.47E-07	1.20E-06	2.56E-06
7,373	1.18E-07	9.65E-07	2.04E-06	1.18E-07	9.76E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,374	1.18E-07	9.65E-07	2.04E-06	1.18E-07	9.75E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,375	1.18E-07	9.64E-07	2.04E-06	1.18E-07	9.75E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,376	1.18E-07	9.64E-07	2.04E-06	1.18E-07	9.74E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,377	1.18E-07	9.63E-07	2.04E-06	1.18E-07	9.74E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,378	1.18E-07	9.63E-07	2.04E-06	1.18E-07	9.74E-07	2.04E-06	1.47E-07	1.20E-06	2.55E-06
7,379	1.18E-07	9.62E-07	2.03E-06	1.18E-07	9.74E-07	2.04E-06	1.47E-07	1.20E-06	2.54E-06
7,380	1.18E-07	9.62E-07	2.03E-06	1.18E-07	9.72E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06
7,381	1.18E-07	9.62E-07	2.03E-06	1.18E-07	9.72E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06
7,382	1.18E-07	9.61E-07	2.03E-06	1.18E-07	9.71E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06
7,383	1.18E-07	9.61E-07	2.03E-06	1.18E-07	9.70E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06
7,384	1.18E-07	9.61E-07	2.03E-06	1.18E-07	9.70E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06
7,385	1.18E-07	9.60E-07	2.03E-06	1.18E-07	9.70E-07	2.03E-06	1.47E-07	1.20E-06	2.54E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,418	1.16E-07	9.49E-07	2.01E-06	1.16E-07	9.62E-07	2.01E-06	1.45E-07	1.19E-06	2.51E-06
7,419	1.16E-07	9.48E-07	2.01E-06	1.16E-07	9.61E-07	2.01E-06	1.45E-07	1.19E-06	2.51E-06
7,420	1.16E-07	9.48E-07	2.01E-06	1.16E-07	9.61E-07	2.01E-06	1.45E-07	1.19E-06	2.51E-06
7,421	1.16E-07	9.47E-07	2.01E-06	1.16E-07	9.61E-07	2.01E-06	1.45E-07	1.18E-06	2.51E-06
7,422	1.16E-07	9.47E-07	2.01E-06	1.16E-07	9.61E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,423	1.16E-07	9.46E-07	2.01E-06	1.15E-07	9.60E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,424	1.16E-07	9.46E-07	2.01E-06	1.15E-07	9.60E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,425	1.16E-07	9.45E-07	2.01E-06	1.15E-07	9.59E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,426	1.16E-07	9.45E-07	2.01E-06	1.15E-07	9.59E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,427	1.16E-07	9.45E-07	2.01E-06	1.15E-07	9.59E-07	2.01E-06	1.44E-07	1.18E-06	2.51E-06
7,428	1.16E-07	9.45E-07	2.01E-06	1.15E-07	9.58E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,429	1.16E-07	9.44E-07	2.00E-06	1.15E-07	9.58E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,430	1.16E-07	9.44E-07	2.00E-06	1.15E-07	9.57E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,431	1.16E-07	9.44E-07	2.00E-06	1.15E-07	9.57E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,432	1.15E-07	9.44E-07	2.00E-06	1.15E-07	9.56E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,433	1.15E-07	9.43E-07	2.00E-06	1.15E-07	9.56E-07	2.00E-06	1.44E-07	1.18E-06	2.51E-06
7,434	1.15E-07	9.43E-07	2.00E-06	1.15E-07	9.56E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,435	1.15E-07	9.43E-07	2.00E-06	1.15E-07	9.55E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,436	1.15E-07	9.43E-07	2.00E-06	1.15E-07	9.55E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,437	1.15E-07	9.42E-07	2.00E-06	1.15E-07	9.55E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,438	1.15E-07	9.42E-07	2.00E-06	1.15E-07	9.55E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,439	1.15E-07	9.41E-07	1.99E-06	1.15E-07	9.54E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,440	1.15E-07	9.41E-07	1.99E-06	1.15E-07	9.54E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,441	1.15E-07	9.41E-07	1.99E-06	1.15E-07	9.54E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,442	1.15E-07	9.40E-07	1.99E-06	1.15E-07	9.53E-07	2.00E-06	1.44E-07	1.18E-06	2.50E-06
7,443	1.15E-07	9.39E-07	1.99E-06	1.15E-07	9.53E-07	2.00E-06	1.44E-07	1.17E-06	2.50E-06
7,444	1.15E-07	9.39E-07	1.99E-06	1.15E-07	9.53E-07	2.00E-06	1.44E-07	1.17E-06	2.50E-06
7,445	1.15E-07	9.39E-07	1.99E-06	1.15E-07	9.52E-07	2.00E-06	1.44E-07	1.17E-06	2.49E-06
7,446	1.15E-07	9.38E-07	1.99E-06	1.15E-07	9.51E-07	1.99E-06	1.44E-07	1.17E-06	2.49E-06
7,447	1.15E-07	9.38E-07	1.99E-06	1.15E-07	9.50E-07	1.99E-06	1.44E-07	1.17E-06	2.49E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,480	1.13E-07	9.24E-07	1.96E-06	1.14E-07	9.36E-07	1.97E-06	1.42E-07	1.15E-06	2.47E-06
7,481	1.13E-07	9.24E-07	1.96E-06	1.13E-07	9.35E-07	1.97E-06	1.42E-07	1.15E-06	2.47E-06
7,482	1.13E-07	9.23E-07	1.96E-06	1.13E-07	9.35E-07	1.97E-06	1.42E-07	1.15E-06	2.47E-06
7,483	1.13E-07	9.23E-07	1.96E-06	1.13E-07	9.34E-07	1.97E-06	1.42E-07	1.15E-06	2.47E-06
7,484	1.13E-07	9.23E-07	1.96E-06	1.13E-07	9.34E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,485	1.13E-07	9.23E-07	1.96E-06	1.13E-07	9.34E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,486	1.13E-07	9.23E-07	1.96E-06	1.13E-07	9.33E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,487	1.13E-07	9.22E-07	1.96E-06	1.13E-07	9.33E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,488	1.13E-07	9.22E-07	1.96E-06	1.13E-07	9.33E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,489	1.13E-07	9.22E-07	1.96E-06	1.13E-07	9.33E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,490	1.13E-07	9.21E-07	1.96E-06	1.13E-07	9.32E-07	1.97E-06	1.42E-07	1.15E-06	2.46E-06
7,491	1.13E-07	9.20E-07	1.96E-06	1.13E-07	9.32E-07	1.96E-06	1.42E-07	1.15E-06	2.46E-06
7,492	1.13E-07	9.20E-07	1.96E-06	1.13E-07	9.31E-07	1.96E-06	1.42E-07	1.15E-06	2.46E-06
7,493	1.13E-07	9.20E-07	1.96E-06	1.13E-07	9.31E-07	1.96E-06	1.42E-07	1.15E-06	2.46E-06
7,494	1.13E-07	9.20E-07	1.96E-06	1.13E-07	9.31E-07	1.96E-06	1.42E-07	1.14E-06	2.46E-06
7,495	1.13E-07	9.20E-07	1.96E-06	1.13E-07	9.30E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,496	1.13E-07	9.19E-07	1.95E-06	1.13E-07	9.30E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,497	1.13E-07	9.19E-07	1.95E-06	1.13E-07	9.30E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,498	1.13E-07	9.19E-07	1.95E-06	1.13E-07	9.30E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,499	1.12E-07	9.17E-07	1.95E-06	1.13E-07	9.30E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,500	1.12E-07	9.17E-07	1.95E-06	1.13E-07	9.29E-07	1.96E-06	1.41E-07	1.14E-06	2.45E-06
7,501	1.12E-07	9.17E-07	1.95E-06	1.13E-07	9.29E-07	1.96E-06	1.41E-07	1.14E-06	2.44E-06
7,502	1.12E-07	9.17E-07	1.95E-06	1.13E-07	9.29E-07	1.96E-06	1.41E-07	1.14E-06	2.44E-06
7,503	1.12E-07	9.16E-07	1.95E-06	1.13E-07	9.29E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,504	1.12E-07	9.16E-07	1.95E-06	1.13E-07	9.29E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,505	1.12E-07	9.14E-07	1.95E-06	1.13E-07	9.29E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,506	1.12E-07	9.14E-07	1.95E-06	1.13E-07	9.28E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,507	1.12E-07	9.14E-07	1.95E-06	1.13E-07	9.28E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,508	1.12E-07	9.13E-07	1.95E-06	1.13E-07	9.28E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06
7,509	1.12E-07	9.13E-07	1.95E-06	1.13E-07	9.27E-07	1.95E-06	1.41E-07	1.14E-06	2.44E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,542	1.11E-07	9.02E-07	1.93E-06	1.12E-07	9.15E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,543	1.11E-07	9.01E-07	1.92E-06	1.12E-07	9.15E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,544	1.11E-07	9.01E-07	1.92E-06	1.12E-07	9.14E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,545	1.11E-07	9.01E-07	1.92E-06	1.11E-07	9.14E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,546	1.11E-07	9.00E-07	1.92E-06	1.11E-07	9.14E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,547	1.11E-07	9.00E-07	1.92E-06	1.11E-07	9.13E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,548	1.11E-07	9.00E-07	1.92E-06	1.11E-07	9.13E-07	1.93E-06	1.39E-07	1.12E-06	2.41E-06
7,549	1.11E-07	9.00E-07	1.92E-06	1.11E-07	9.13E-07	1.92E-06	1.39E-07	1.12E-06	2.41E-06
7,550	1.10E-07	8.99E-07	1.92E-06	1.11E-07	9.13E-07	1.92E-06	1.39E-07	1.12E-06	2.41E-06
7,551	1.10E-07	8.99E-07	1.92E-06	1.11E-07	9.13E-07	1.92E-06	1.39E-07	1.12E-06	2.41E-06
7,552	1.10E-07	8.99E-07	1.92E-06	1.11E-07	9.12E-07	1.92E-06	1.39E-07	1.12E-06	2.41E-06
7,553	1.10E-07	8.98E-07	1.92E-06	1.11E-07	9.11E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,554	1.10E-07	8.98E-07	1.92E-06	1.11E-07	9.11E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,555	1.10E-07	8.97E-07	1.92E-06	1.11E-07	9.11E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,556	1.10E-07	8.97E-07	1.92E-06	1.11E-07	9.11E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,557	1.10E-07	8.97E-07	1.91E-06	1.11E-07	9.10E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,558	1.10E-07	8.97E-07	1.91E-06	1.11E-07	9.10E-07	1.92E-06	1.38E-07	1.12E-06	2.40E-06
7,559	1.10E-07	8.96E-07	1.91E-06	1.11E-07	9.09E-07	1.92E-06	1.38E-07	1.12E-06	2.39E-06
7,560	1.10E-07	8.96E-07	1.91E-06	1.11E-07	9.09E-07	1.92E-06	1.38E-07	1.12E-06	2.39E-06
7,561	1.10E-07	8.96E-07	1.91E-06	1.11E-07	9.09E-07	1.91E-06	1.38E-07	1.12E-06	2.39E-06
7,562	1.10E-07	8.96E-07	1.91E-06	1.11E-07	9.09E-07	1.91E-06	1.38E-07	1.12E-06	2.39E-06
7,563	1.10E-07	8.95E-07	1.91E-06	1.11E-07	9.09E-07	1.91E-06	1.38E-07	1.12E-06	2.39E-06
7,564	1.10E-07	8.95E-07	1.91E-06	1.11E-07	9.09E-07	1.91E-06	1.37E-07	1.11E-06	2.39E-06
7,565	1.10E-07	8.95E-07	1.91E-06	1.11E-07	9.09E-07	1.91E-06	1.37E-07	1.11E-06	2.39E-06
7,566	1.10E-07	8.95E-07	1.91E-06	1.11E-07	9.08E-07	1.91E-06	1.37E-07	1.11E-06	2.39E-06
7,567	1.10E-07	8.95E-07	1.91E-06	1.10E-07	9.08E-07	1.91E-06	1.37E-07	1.11E-06	2.38E-06
7,568	1.10E-07	8.95E-07	1.91E-06	1.10E-07	9.07E-07	1.91E-06	1.37E-07	1.11E-06	2.38E-06
7,569	1.10E-07	8.95E-07	1.91E-06	1.10E-07	9.06E-07	1.91E-06	1.37E-07	1.11E-06	2.38E-06
7,570	1.10E-07	8.94E-07	1.91E-06	1.10E-07	9.06E-07	1.91E-06	1.37E-07	1.11E-06	2.38E-06
7,571	1.10E-07	8.94E-07	1.91E-06	1.10E-07	9.06E-07	1.91E-06	1.37E-07	1.11E-06	2.38E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,604	1.08E-07	8.83E-07	1.89E-06	1.09E-07	8.96E-07	1.89E-06	1.36E-07	1.10E-06	2.36E-06
7,605	1.08E-07	8.83E-07	1.89E-06	1.09E-07	8.94E-07	1.89E-06	1.36E-07	1.10E-06	2.36E-06
7,606	1.08E-07	8.83E-07	1.88E-06	1.09E-07	8.94E-07	1.89E-06	1.36E-07	1.10E-06	2.35E-06
7,607	1.08E-07	8.83E-07	1.88E-06	1.09E-07	8.94E-07	1.89E-06	1.36E-07	1.10E-06	2.35E-06
7,608	1.08E-07	8.82E-07	1.88E-06	1.09E-07	8.94E-07	1.89E-06	1.35E-07	1.10E-06	2.35E-06
7,609	1.08E-07	8.82E-07	1.88E-06	1.09E-07	8.94E-07	1.89E-06	1.35E-07	1.10E-06	2.35E-06
7,610	1.08E-07	8.81E-07	1.88E-06	1.09E-07	8.94E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,611	1.08E-07	8.81E-07	1.88E-06	1.09E-07	8.93E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,612	1.08E-07	8.81E-07	1.88E-06	1.09E-07	8.93E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,613	1.08E-07	8.80E-07	1.88E-06	1.09E-07	8.93E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,614	1.08E-07	8.80E-07	1.88E-06	1.09E-07	8.92E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,615	1.08E-07	8.79E-07	1.88E-06	1.09E-07	8.92E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,616	1.08E-07	8.78E-07	1.88E-06	1.09E-07	8.92E-07	1.88E-06	1.35E-07	1.10E-06	2.35E-06
7,617	1.08E-07	8.78E-07	1.88E-06	1.09E-07	8.92E-07	1.88E-06	1.35E-07	1.09E-06	2.35E-06
7,618	1.08E-07	8.78E-07	1.88E-06	1.09E-07	8.91E-07	1.88E-06	1.35E-07	1.09E-06	2.35E-06
7,619	1.08E-07	8.78E-07	1.88E-06	1.09E-07	8.90E-07	1.88E-06	1.35E-07	1.09E-06	2.35E-06
7,620	1.08E-07	8.77E-07	1.88E-06	1.09E-07	8.90E-07	1.88E-06	1.35E-07	1.09E-06	2.34E-06
7,621	1.08E-07	8.76E-07	1.88E-06	1.09E-07	8.90E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,622	1.08E-07	8.76E-07	1.87E-06	1.09E-07	8.89E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,623	1.08E-07	8.76E-07	1.87E-06	1.09E-07	8.89E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,624	1.08E-07	8.76E-07	1.87E-06	1.08E-07	8.89E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,625	1.08E-07	8.76E-07	1.87E-06	1.08E-07	8.89E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,626	1.08E-07	8.76E-07	1.87E-06	1.08E-07	8.89E-07	1.87E-06	1.35E-07	1.09E-06	2.34E-06
7,627	1.08E-07	8.75E-07	1.87E-06	1.08E-07	8.87E-07	1.87E-06	1.35E-07	1.09E-06	2.33E-06
7,628	1.08E-07	8.75E-07	1.87E-06	1.08E-07	8.86E-07	1.87E-06	1.35E-07	1.09E-06	2.33E-06
7,629	1.08E-07	8.75E-07	1.87E-06	1.08E-07	8.86E-07	1.87E-06	1.34E-07	1.09E-06	2.33E-06
7,630	1.08E-07	8.74E-07	1.87E-06	1.08E-07	8.86E-07	1.87E-06	1.34E-07	1.09E-06	2.33E-06
7,631	1.08E-07	8.74E-07	1.87E-06	1.08E-07	8.85E-07	1.87E-06	1.34E-07	1.09E-06	2.33E-06
7,632	1.08E-07	8.74E-07	1.87E-06	1.08E-07	8.85E-07	1.87E-06	1.34E-07	1.09E-06	2.33E-06
7,633	1.08E-07	8.74E-07	1.87E-06	1.08E-07	8.85E-07	1.87E-06	1.34E-07	1.09E-06	2.33E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,666	1.06E-07	8.64E-07	1.84E-06	1.07E-07	8.75E-07	1.85E-06	1.33E-07	1.07E-06	2.30E-06
7,667	1.06E-07	8.64E-07	1.84E-06	1.07E-07	8.75E-07	1.85E-06	1.33E-07	1.07E-06	2.30E-06
7,668	1.06E-07	8.64E-07	1.84E-06	1.07E-07	8.74E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,669	1.06E-07	8.64E-07	1.84E-06	1.07E-07	8.74E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,670	1.06E-07	8.63E-07	1.84E-06	1.07E-07	8.74E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,671	1.06E-07	8.63E-07	1.84E-06	1.06E-07	8.73E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,672	1.06E-07	8.63E-07	1.84E-06	1.06E-07	8.71E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,673	1.06E-07	8.62E-07	1.84E-06	1.06E-07	8.71E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,674	1.06E-07	8.62E-07	1.84E-06	1.06E-07	8.71E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,675	1.06E-07	8.62E-07	1.84E-06	1.06E-07	8.71E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,676	1.06E-07	8.62E-07	1.84E-06	1.06E-07	8.71E-07	1.84E-06	1.32E-07	1.07E-06	2.30E-06
7,677	1.06E-07	8.62E-07	1.84E-06	1.06E-07	8.70E-07	1.84E-06	1.32E-07	1.06E-06	2.29E-06
7,678	1.06E-07	8.61E-07	1.84E-06	1.06E-07	8.70E-07	1.84E-06	1.32E-07	1.06E-06	2.29E-06
7,679	1.06E-07	8.61E-07	1.83E-06	1.06E-07	8.69E-07	1.84E-06	1.32E-07	1.06E-06	2.29E-06
7,680	1.06E-07	8.61E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.32E-07	1.06E-06	2.29E-06
7,681	1.06E-07	8.60E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.31E-07	1.06E-06	2.29E-06
7,682	1.06E-07	8.60E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.31E-07	1.06E-06	2.29E-06
7,683	1.06E-07	8.60E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.31E-07	1.06E-06	2.29E-06
7,684	1.06E-07	8.60E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.31E-07	1.06E-06	2.29E-06
7,685	1.06E-07	8.59E-07	1.83E-06	1.06E-07	8.68E-07	1.84E-06	1.31E-07	1.06E-06	2.28E-06
7,686	1.06E-07	8.59E-07	1.83E-06	1.06E-07	8.67E-07	1.84E-06	1.31E-07	1.06E-06	2.28E-06
7,687	1.06E-07	8.59E-07	1.83E-06	1.06E-07	8.66E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,688	1.06E-07	8.59E-07	1.83E-06	1.06E-07	8.66E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,689	1.06E-07	8.59E-07	1.83E-06	1.06E-07	8.66E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,690	1.06E-07	8.58E-07	1.83E-06	1.06E-07	8.66E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,691	1.06E-07	8.58E-07	1.83E-06	1.06E-07	8.64E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,692	1.06E-07	8.58E-07	1.83E-06	1.06E-07	8.64E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,693	1.06E-07	8.57E-07	1.82E-06	1.06E-07	8.64E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,694	1.05E-07	8.57E-07	1.82E-06	1.06E-07	8.63E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06
7,695	1.05E-07	8.57E-07	1.82E-06	1.05E-07	8.63E-07	1.83E-06	1.31E-07	1.06E-06	2.28E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,728	1.04E-07	8.45E-07	1.80E-06	1.04E-07	8.55E-07	1.81E-06	1.29E-07	1.05E-06	2.25E-06
7,729	1.04E-07	8.45E-07	1.80E-06	1.04E-07	8.54E-07	1.81E-06	1.29E-07	1.05E-06	2.25E-06
7,730	1.04E-07	8.44E-07	1.80E-06	1.04E-07	8.54E-07	1.81E-06	1.29E-07	1.05E-06	2.25E-06
7,731	1.04E-07	8.44E-07	1.80E-06	1.04E-07	8.54E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,732	1.04E-07	8.43E-07	1.80E-06	1.04E-07	8.54E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,733	1.04E-07	8.43E-07	1.80E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,734	1.04E-07	8.42E-07	1.80E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,735	1.04E-07	8.42E-07	1.79E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,736	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.25E-06
7,737	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.24E-06
7,738	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.53E-07	1.81E-06	1.29E-07	1.04E-06	2.24E-06
7,739	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.53E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,740	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.52E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,741	1.04E-07	8.41E-07	1.79E-06	1.04E-07	8.52E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,742	1.04E-07	8.40E-07	1.79E-06	1.04E-07	8.51E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,743	1.04E-07	8.40E-07	1.79E-06	1.04E-07	8.51E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,744	1.04E-07	8.39E-07	1.79E-06	1.04E-07	8.51E-07	1.80E-06	1.29E-07	1.04E-06	2.24E-06
7,745	1.04E-07	8.39E-07	1.79E-06	1.04E-07	8.51E-07	1.80E-06	1.29E-07	1.04E-06	2.23E-06
7,746	1.04E-07	8.39E-07	1.79E-06	1.04E-07	8.51E-07	1.80E-06	1.29E-07	1.04E-06	2.23E-06
7,747	1.04E-07	8.38E-07	1.79E-06	1.04E-07	8.50E-07	1.80E-06	1.28E-07	1.04E-06	2.23E-06
7,748	1.04E-07	8.38E-07	1.78E-06	1.04E-07	8.50E-07	1.80E-06	1.28E-07	1.04E-06	2.23E-06
7,749	1.04E-07	8.38E-07	1.78E-06	1.04E-07	8.49E-07	1.80E-06	1.28E-07	1.04E-06	2.23E-06
7,750	1.04E-07	8.37E-07	1.78E-06	1.03E-07	8.49E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,751	1.04E-07	8.37E-07	1.78E-06	1.03E-07	8.48E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,752	1.04E-07	8.36E-07	1.78E-06	1.03E-07	8.48E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,753	1.04E-07	8.36E-07	1.78E-06	1.03E-07	8.48E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,754	1.04E-07	8.36E-07	1.78E-06	1.03E-07	8.47E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,755	1.04E-07	8.35E-07	1.78E-06	1.03E-07	8.47E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,756	1.03E-07	8.34E-07	1.78E-06	1.03E-07	8.46E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06
7,757	1.03E-07	8.34E-07	1.78E-06	1.03E-07	8.46E-07	1.80E-06	1.28E-07	1.03E-06	2.23E-06

Attachment 5 Part 2 Crystal Ball Output

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,790	1.02E-07	8.24E-07	1.77E-06	1.02E-07	8.38E-07	1.78E-06	1.26E-07	1.02E-06	2.20E-06
7,791	1.02E-07	8.24E-07	1.77E-06	1.02E-07	8.38E-07	1.78E-06	1.26E-07	1.02E-06	2.20E-06
7,792	1.02E-07	8.22E-07	1.77E-06	1.02E-07	8.38E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,793	1.02E-07	8.22E-07	1.77E-06	1.02E-07	8.38E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,794	1.02E-07	8.21E-07	1.76E-06	1.02E-07	8.38E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,795	1.02E-07	8.21E-07	1.76E-06	1.02E-07	8.37E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,796	1.02E-07	8.21E-07	1.76E-06	1.02E-07	8.37E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,797	1.02E-07	8.21E-07	1.76E-06	1.01E-07	8.37E-07	1.77E-06	1.26E-07	1.02E-06	2.20E-06
7,798	1.02E-07	8.21E-07	1.76E-06	1.01E-07	8.37E-07	1.77E-06	1.26E-07	1.01E-06	2.20E-06
7,799	1.02E-07	8.20E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.26E-07	1.01E-06	2.20E-06
7,800	1.02E-07	8.20E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.26E-07	1.01E-06	2.19E-06
7,801	1.02E-07	8.20E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.26E-07	1.01E-06	2.19E-06
7,802	1.02E-07	8.20E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.25E-07	1.01E-06	2.19E-06
7,803	1.02E-07	8.20E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.25E-07	1.01E-06	2.19E-06
7,804	1.02E-07	8.19E-07	1.76E-06	1.01E-07	8.36E-07	1.77E-06	1.25E-07	1.01E-06	2.19E-06
7,805	1.02E-07	8.19E-07	1.76E-06	1.01E-07	8.34E-07	1.77E-06	1.25E-07	1.01E-06	2.19E-06
7,806	1.02E-07	8.19E-07	1.76E-06	1.01E-07	8.34E-07	1.77E-06	1.25E-07	1.01E-06	2.19E-06
7,807	1.02E-07	8.19E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,808	1.02E-07	8.18E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,809	1.02E-07	8.18E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,810	1.02E-07	8.18E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,811	1.02E-07	8.18E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,812	1.02E-07	8.17E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,813	1.01E-07	8.17E-07	1.76E-06	1.01E-07	8.33E-07	1.76E-06	1.25E-07	1.01E-06	2.18E-06
7,814	1.01E-07	8.17E-07	1.75E-06	1.01E-07	8.32E-07	1.75E-06	1.25E-07	1.01E-06	2.18E-06
7,815	1.01E-07	8.16E-07	1.75E-06	1.01E-07	8.32E-07	1.75E-06	1.25E-07	1.01E-06	2.18E-06
7,816	1.01E-07	8.15E-07	1.75E-06	1.01E-07	8.32E-07	1.75E-06	1.25E-07	1.01E-06	2.17E-06
7,817	1.01E-07	8.15E-07	1.75E-06	1.01E-07	8.32E-07	1.75E-06	1.25E-07	1.01E-06	2.17E-06
7,818	1.01E-07	8.15E-07	1.75E-06	1.01E-07	8.31E-07	1.75E-06	1.24E-07	1.01E-06	2.17E-06
7,819	1.01E-07	8.15E-07	1.75E-06	1.01E-07	8.31E-07	1.75E-06	1.24E-07	1.01E-06	2.17E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,852	9.97E-08	8.03E-07	1.73E-06	9.91E-08	8.17E-07	1.73E-06	1.22E-07	9.95E-07	2.15E-06
7,853	9.97E-08	8.03E-07	1.73E-06	9.91E-08	8.17E-07	1.73E-06	1.22E-07	9.94E-07	2.15E-06
7,854	9.96E-08	8.03E-07	1.73E-06	9.90E-08	8.17E-07	1.73E-06	1.22E-07	9.94E-07	2.15E-06
7,855	9.96E-08	8.02E-07	1.73E-06	9.90E-08	8.17E-07	1.73E-06	1.22E-07	9.94E-07	2.15E-06
7,856	9.96E-08	8.01E-07	1.73E-06	9.90E-08	8.16E-07	1.73E-06	1.22E-07	9.94E-07	2.15E-06
7,857	9.96E-08	8.01E-07	1.73E-06	9.90E-08	8.16E-07	1.73E-06	1.22E-07	9.93E-07	2.15E-06
7,858	9.96E-08	8.01E-07	1.73E-06	9.89E-08	8.16E-07	1.72E-06	1.22E-07	9.93E-07	2.15E-06
7,859	9.95E-08	8.01E-07	1.73E-06	9.89E-08	8.16E-07	1.72E-06	1.22E-07	9.93E-07	2.15E-06
7,860	9.95E-08	8.01E-07	1.73E-06	9.89E-08	8.15E-07	1.72E-06	1.22E-07	9.92E-07	2.15E-06
7,861	9.95E-08	8.01E-07	1.73E-06	9.89E-08	8.15E-07	1.72E-06	1.22E-07	9.91E-07	2.15E-06
7,862	9.94E-08	8.00E-07	1.72E-06	9.89E-08	8.15E-07	1.72E-06	1.22E-07	9.91E-07	2.15E-06
7,863	9.93E-08	8.00E-07	1.72E-06	9.88E-08	8.15E-07	1.72E-06	1.22E-07	9.91E-07	2.15E-06
7,864	9.92E-08	8.00E-07	1.72E-06	9.87E-08	8.13E-07	1.72E-06	1.22E-07	9.91E-07	2.15E-06
7,865	9.92E-08	7.99E-07	1.72E-06	9.87E-08	8.12E-07	1.72E-06	1.22E-07	9.91E-07	2.14E-06
7,866	9.92E-08	7.99E-07	1.72E-06	9.87E-08	8.12E-07	1.72E-06	1.22E-07	9.90E-07	2.14E-06
7,867	9.91E-08	7.98E-07	1.72E-06	9.86E-08	8.12E-07	1.72E-06	1.22E-07	9.90E-07	2.14E-06
7,868	9.90E-08	7.97E-07	1.72E-06	9.86E-08	8.11E-07	1.72E-06	1.22E-07	9.90E-07	2.14E-06
7,869	9.90E-08	7.97E-07	1.72E-06	9.85E-08	8.10E-07	1.72E-06	1.22E-07	9.89E-07	2.14E-06
7,870	9.89E-08	7.97E-07	1.72E-06	9.85E-08	8.09E-07	1.72E-06	1.22E-07	9.88E-07	2.14E-06
7,871	9.88E-08	7.97E-07	1.72E-06	9.85E-08	8.09E-07	1.71E-06	1.22E-07	9.88E-07	2.14E-06
7,872	9.87E-08	7.97E-07	1.72E-06	9.84E-08	8.09E-07	1.71E-06	1.22E-07	9.88E-07	2.14E-06
7,873	9.87E-08	7.97E-07	1.72E-06	9.84E-08	8.08E-07	1.71E-06	1.21E-07	9.87E-07	2.14E-06
7,874	9.87E-08	7.97E-07	1.71E-06	9.84E-08	8.08E-07	1.71E-06	1.21E-07	9.86E-07	2.14E-06
7,875	9.86E-08	7.97E-07	1.71E-06	9.84E-08	8.08E-07	1.71E-06	1.21E-07	9.86E-07	2.14E-06
7,876	9.86E-08	7.96E-07	1.71E-06	9.84E-08	8.08E-07	1.71E-06	1.21E-07	9.85E-07	2.14E-06
7,877	9.86E-08	7.96E-07	1.71E-06	9.83E-08	8.07E-07	1.71E-06	1.21E-07	9.85E-07	2.13E-06
7,878	9.86E-08	7.96E-07	1.71E-06	9.82E-08	8.07E-07	1.71E-06	1.21E-07	9.84E-07	2.13E-06
7,879	9.85E-08	7.95E-07	1.71E-06	9.82E-08	8.07E-07	1.71E-06	1.21E-07	9.84E-07	2.13E-06
7,880	9.85E-08	7.95E-07	1.71E-06	9.82E-08	8.06E-07	1.71E-06	1.21E-07	9.84E-07	2.13E-06
7,881	9.85E-08	7.94E-07	1.71E-06	9.81E-08	8.06E-07	1.71E-06	1.21E-07	9.84E-07	2.13E-06
7,882	9.84E-08	7.94E-07	1.71E-06	9.81E-08	8.06E-07	1.71E-06	1.21E-07	9.83E-07	2.13E-06
7,883	9.83E-08	7.94E-07	1.71E-06	9.80E-08	8.05E-07	1.71E-06	1.21E-07	9.82E-07	2.13E-06
7,884	9.83E-08	7.93E-07	1.71E-06	9.79E-08	8.04E-07	1.71E-06	1.21E-07	9.82E-07	2.13E-06
7,885	9.83E-08	7.93E-07	1.71E-06	9.78E-08	8.04E-07	1.71E-06	1.21E-07	9.82E-07	2.13E-06
7,886	9.83E-08	7.93E-07	1.71E-06	9.77E-08	8.04E-07	1.71E-06	1.21E-07	9.80E-07	2.13E-06
7,887	9.82E-08	7.93E-07	1.71E-06	9.76E-08	8.04E-07	1.71E-06	1.21E-07	9.79E-07	2.13E-06
7,888	9.81E-08	7.93E-07	1.71E-06	9.76E-08	8.04E-07	1.71E-06	1.21E-07	9.79E-07	2.12E-06
7,889	9.81E-08	7.93E-07	1.70E-06	9.75E-08	8.04E-07	1.71E-06	1.21E-07	9.79E-07	2.12E-06
7,890	9.81E-08	7.93E-07	1.70E-06	9.75E-08	8.04E-07	1.71E-06	1.21E-07	9.79E-07	2.12E-06
7,891	9.80E-08	7.93E-07	1.70E-06	9.75E-08	8.04E-07	1.71E-06	1.20E-07	9.78E-07	2.12E-06
7,892	9.80E-08	7.92E-07	1.70E-06	9.74E-08	8.03E-07	1.71E-06	1.20E-07	9.78E-07	2.12E-06
7,893	9.80E-08	7.91E-07	1.70E-06	9.74E-08	8.03E-07	1.70E-06	1.20E-07	9.77E-07	2.12E-06
7,894	9.79E-08	7.91E-07	1.70E-06	9.74E-08	8.03E-07	1.70E-06	1.20E-07	9.77E-07	2.12E-06
7,895	9.79E-08	7.90E-07	1.70E-06	9.74E-08	8.03E-07	1.70E-06	1.20E-07	9.76E-07	2.12E-06
7,896	9.79E-08	7.90E-07	1.70E-06	9.73E-08	8.03E-07	1.70E-06	1.20E-07	9.76E-07	2.12E-06
7,897	9.78E-08	7.90E-07	1.70E-06	9.73E-08	8.03E-07	1.70E-06	1.20E-07	9.75E-07	2.12E-06
7,898	9.78E-08	7.90E-07	1.70E-06	9.72E-08	8.03E-07	1.70E-06	1.20E-07	9.73E-07	2.12E-06
7,899	9.77E-08	7.90E-07	1.70E-06	9.72E-08	8.02E-07	1.70E-06	1.20E-07	9.73E-07	2.11E-06
7,900	9.77E-08	7.90E-07	1.70E-06	9.71E-08	8.02E-07	1.70E-06	1.20E-07	9.73E-07	2.11E-06
7,901	9.76E-08	7.90E-07	1.70E-06	9.71E-08	8.01E-07	1.70E-06	1.20E-07	9.72E-07	2.11E-06
7,902	9.76E-08	7.90E-07	1.70E-06	9.71E-08	8.01E-07	1.70E-06	1.20E-07	9.72E-07	2.11E-06
7,903	9.76E-08	7.89E-07	1.70E-06	9.71E-08	8.01E-07	1.70E-06	1.20E-07	9.72E-07	2.11E-06
7,904	9.75E-08	7.88E-07	1.70E-06	9.70E-08	8.00E-07	1.70E-06	1.20E-07	9.72E-07	2.11E-06
7,905	9.75E-08	7.88E-07	1.70E-06	9.70E-08	7.99E-07	1.70E-06	1.19E-07	9.71E-07	2.11E-06
7,906	9.75E-08	7.88E-07	1.70E-06	9.70E-08	7.99E-07	1.70E-06	1.19E-07	9.71E-07	2.11E-06
7,907	9.74E-08	7.88E-07	1.70E-06	9.69E-08	7.99E-07	1.70E-06	1.19E-07	9.71E-07	2.11E-06
7,908	9.73E-08	7.87E-07	1.70E-06	9.69E-08	7.98E-07	1.70E-06	1.19E-07	9.70E-07	2.11E-06
7,909	9.73E-08	7.86E-07	1.70E-06	9.69E-08	7.98E-07	1.70E-06	1.19E-07	9.70E-07	2.11E-06
7,910	9.72E-08	7.85E-07	1.70E-06	9.68E-08	7.97E-07	1.69E-06	1.19E-07	9.69E-07	2.11E-06
7,911	9.72E-08	7.85E-07	1.70E-06	9.67E-08	7.97E-07	1.69E-06	1.19E-07	9.69E-07	2.11E-06
7,912	9.71E-08	7.85E-07	1.70E-06	9.67E-08	7.97E-07	1.69E-06	1.19E-07	9.69E-07	2.11E-06
7,913	9.71E-08	7.85E-07	1.69E-06	9.67E-08	7.96E-07	1.69E-06	1.19E-07	9.69E-07	2.11E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,914	9.71E-08	7.84E-07	1.69E-06	9.67E-08	7.95E-07	1.69E-06	1.19E-07	9.68E-07	2.11E-06
7,915	9.71E-08	7.84E-07	1.69E-06	9.66E-08	7.95E-07	1.69E-06	1.19E-07	9.68E-07	2.10E-06
7,916	9.71E-08	7.84E-07	1.69E-06	9.66E-08	7.95E-07	1.69E-06	1.19E-07	9.68E-07	2.10E-06
7,917	9.70E-08	7.84E-07	1.69E-06	9.66E-08	7.95E-07	1.69E-06	1.19E-07	9.68E-07	2.10E-06
7,918	9.70E-08	7.84E-07	1.69E-06	9.66E-08	7.94E-07	1.69E-06	1.19E-07	9.67E-07	2.10E-06
7,919	9.70E-08	7.84E-07	1.69E-06	9.66E-08	7.94E-07	1.69E-06	1.19E-07	9.67E-07	2.10E-06
7,920	9.70E-08	7.84E-07	1.69E-06	9.65E-08	7.93E-07	1.69E-06	1.19E-07	9.66E-07	2.10E-06
7,921	9.70E-08	7.83E-07	1.69E-06	9.65E-08	7.93E-07	1.69E-06	1.19E-07	9.66E-07	2.10E-06
7,922	9.70E-08	7.83E-07	1.69E-06	9.65E-08	7.93E-07	1.69E-06	1.19E-07	9.66E-07	2.10E-06
7,923	9.69E-08	7.83E-07	1.69E-06	9.64E-08	7.93E-07	1.69E-06	1.19E-07	9.65E-07	2.10E-06
7,924	9.69E-08	7.81E-07	1.69E-06	9.64E-08	7.92E-07	1.69E-06	1.19E-07	9.65E-07	2.10E-06
7,925	9.69E-08	7.81E-07	1.69E-06	9.64E-08	7.92E-07	1.69E-06	1.19E-07	9.65E-07	2.09E-06
7,926	9.67E-08	7.81E-07	1.69E-06	9.63E-08	7.92E-07	1.69E-06	1.19E-07	9.65E-07	2.09E-06
7,927	9.67E-08	7.80E-07	1.69E-06	9.62E-08	7.92E-07	1.68E-06	1.19E-07	9.65E-07	2.09E-06
7,928	9.67E-08	7.80E-07	1.69E-06	9.62E-08	7.92E-07	1.68E-06	1.18E-07	9.64E-07	2.09E-06
7,929	9.66E-08	7.79E-07	1.69E-06	9.61E-08	7.92E-07	1.68E-06	1.18E-07	9.64E-07	2.09E-06
7,930	9.66E-08	7.79E-07	1.69E-06	9.61E-08	7.91E-07	1.68E-06	1.18E-07	9.64E-07	2.09E-06
7,931	9.66E-08	7.79E-07	1.68E-06	9.60E-08	7.91E-07	1.68E-06	1.18E-07	9.64E-07	2.09E-06
7,932	9.66E-08	7.79E-07	1.68E-06	9.59E-08	7.91E-07	1.68E-06	1.18E-07	9.63E-07	2.09E-06
7,933	9.65E-08	7.79E-07	1.68E-06	9.59E-08	7.90E-07	1.68E-06	1.18E-07	9.63E-07	2.09E-06
7,934	9.65E-08	7.78E-07	1.68E-06	9.59E-08	7.90E-07	1.68E-06	1.18E-07	9.62E-07	2.09E-06
7,935	9.65E-08	7.78E-07	1.68E-06	9.59E-08	7.90E-07	1.68E-06	1.18E-07	9.62E-07	2.09E-06
7,936	9.64E-08	7.78E-07	1.68E-06	9.58E-08	7.90E-07	1.68E-06	1.18E-07	9.62E-07	2.08E-06
7,937	9.64E-08	7.78E-07	1.68E-06	9.58E-08	7.89E-07	1.68E-06	1.18E-07	9.62E-07	2.08E-06
7,938	9.64E-08	7.77E-07	1.68E-06	9.58E-08	7.89E-07	1.68E-06	1.18E-07	9.61E-07	2.08E-06
7,939	9.63E-08	7.77E-07	1.68E-06	9.57E-08	7.89E-07	1.68E-06	1.18E-07	9.61E-07	2.08E-06
7,940	9.63E-08	7.77E-07	1.68E-06	9.57E-08	7.88E-07	1.68E-06	1.18E-07	9.61E-07	2.08E-06
7,941	9.62E-08	7.77E-07	1.68E-06	9.56E-08	7.88E-07	1.68E-06	1.18E-07	9.60E-07	2.08E-06
7,942	9.62E-08	7.77E-07	1.68E-06	9.56E-08	7.88E-07	1.68E-06	1.17E-07	9.60E-07	2.08E-06
7,943	9.62E-08	7.77E-07	1.68E-06	9.56E-08	7.87E-07	1.68E-06	1.17E-07	9.59E-07	2.08E-06
7,944	9.61E-08	7.76E-07	1.68E-06	9.55E-08	7.87E-07	1.68E-06	1.17E-07	9.59E-07	2.08E-06
7,945	9.61E-08	7.76E-07	1.68E-06	9.54E-08	7.87E-07	1.68E-06	1.17E-07	9.59E-07	2.08E-06
7,946	9.61E-08	7.76E-07	1.68E-06	9.54E-08	7.87E-07	1.67E-06	1.17E-07	9.58E-07	2.08E-06
7,947	9.60E-08	7.75E-07	1.68E-06	9.54E-08	7.86E-07	1.67E-06	1.17E-07	9.58E-07	2.08E-06
7,948	9.60E-08	7.75E-07	1.68E-06	9.53E-08	7.86E-07	1.67E-06	1.17E-07	9.58E-07	2.08E-06
7,949	9.60E-08	7.75E-07	1.67E-06	9.53E-08	7.85E-07	1.67E-06	1.17E-07	9.57E-07	2.08E-06
7,950	9.60E-08	7.75E-07	1.67E-06	9.52E-08	7.85E-07	1.67E-06	1.17E-07	9.57E-07	2.08E-06
7,951	9.60E-08	7.74E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.57E-07	2.08E-06
7,952	9.59E-08	7.74E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.57E-07	2.08E-06
7,953	9.59E-08	7.74E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.57E-07	2.07E-06
7,954	9.58E-08	7.73E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.56E-07	2.07E-06
7,955	9.58E-08	7.73E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.56E-07	2.07E-06
7,956	9.58E-08	7.73E-07	1.67E-06	9.52E-08	7.84E-07	1.67E-06	1.17E-07	9.55E-07	2.07E-06
7,957	9.58E-08	7.72E-07	1.67E-06	9.51E-08	7.84E-07	1.67E-06	1.17E-07	9.55E-07	2.07E-06
7,958	9.58E-08	7.72E-07	1.67E-06	9.51E-08	7.83E-07	1.67E-06	1.17E-07	9.55E-07	2.07E-06
7,959	9.56E-08	7.72E-07	1.67E-06	9.51E-08	7.83E-07	1.67E-06	1.17E-07	9.55E-07	2.07E-06
7,960	9.55E-08	7.72E-07	1.67E-06	9.50E-08	7.82E-07	1.67E-06	1.17E-07	9.54E-07	2.07E-06
7,961	9.54E-08	7.71E-07	1.67E-06	9.50E-08	7.82E-07	1.67E-06	1.17E-07	9.54E-07	2.07E-06
7,962	9.54E-08	7.71E-07	1.67E-06	9.50E-08	7.82E-07	1.67E-06	1.17E-07	9.53E-07	2.07E-06
7,963	9.54E-08	7.71E-07	1.67E-06	9.49E-08	7.82E-07	1.67E-06	1.17E-07	9.52E-07	2.07E-06
7,964	9.53E-08	7.71E-07	1.67E-06	9.49E-08	7.82E-07	1.66E-06	1.16E-07	9.52E-07	2.07E-06
7,965	9.53E-08	7.71E-07	1.67E-06	9.49E-08	7.81E-07	1.66E-06	1.16E-07	9.51E-07	2.07E-06
7,966	9.53E-08	7.71E-07	1.66E-06	9.48E-08	7.80E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,967	9.53E-08	7.71E-07	1.66E-06	9.48E-08	7.80E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,968	9.53E-08	7.71E-07	1.66E-06	9.48E-08	7.80E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,969	9.52E-08	7.71E-07	1.66E-06	9.48E-08	7.79E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,970	9.52E-08	7.70E-07	1.66E-06	9.47E-08	7.79E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,971	9.52E-08	7.70E-07	1.66E-06	9.47E-08	7.79E-07	1.66E-06	1.16E-07	9.49E-07	2.06E-06
7,972	9.52E-08	7.70E-07	1.66E-06	9.47E-08	7.78E-07	1.66E-06	1.16E-07	9.48E-07	2.06E-06
7,973	9.51E-08	7.70E-07	1.66E-06	9.47E-08	7.78E-07	1.66E-06	1.16E-07	9.48E-07	2.06E-06
7,974	9.50E-08	7.70E-07	1.66E-06	9.47E-08	7.78E-07	1.66E-06	1.16E-07	9.48E-07	2.06E-06
7,975	9.48E-08	7.69E-07	1.66E-06	9.47E-08	7.78E-07	1.66E-06	1.16E-07	9.47E-07	2.06E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
7,976	9.47E-08	7.69E-07	1.66E-06	9.47E-08	7.77E-07	1.66E-06	1.16E-07	9.47E-07	2.06E-06
7,977	9.47E-08	7.69E-07	1.66E-06	9.46E-08	7.77E-07	1.66E-06	1.16E-07	9.47E-07	2.06E-06
7,978	9.47E-08	7.68E-07	1.66E-06	9.46E-08	7.77E-07	1.66E-06	1.16E-07	9.46E-07	2.06E-06
7,979	9.46E-08	7.68E-07	1.66E-06	9.46E-08	7.77E-07	1.66E-06	1.16E-07	9.45E-07	2.06E-06
7,980	9.46E-08	7.68E-07	1.66E-06	9.46E-08	7.76E-07	1.66E-06	1.16E-07	9.45E-07	2.05E-06
7,981	9.45E-08	7.67E-07	1.66E-06	9.45E-08	7.75E-07	1.65E-06	1.16E-07	9.44E-07	2.05E-06
7,982	9.45E-08	7.66E-07	1.66E-06	9.45E-08	7.75E-07	1.65E-06	1.15E-07	9.44E-07	2.05E-06
7,983	9.44E-08	7.66E-07	1.66E-06	9.45E-08	7.75E-07	1.65E-06	1.15E-07	9.43E-07	2.05E-06
7,984	9.44E-08	7.66E-07	1.66E-06	9.45E-08	7.74E-07	1.65E-06	1.15E-07	9.43E-07	2.05E-06
7,985	9.44E-08	7.66E-07	1.66E-06	9.44E-08	7.74E-07	1.65E-06	1.15E-07	9.42E-07	2.05E-06
7,986	9.44E-08	7.66E-07	1.66E-06	9.44E-08	7.74E-07	1.65E-06	1.15E-07	9.42E-07	2.05E-06
7,987	9.44E-08	7.66E-07	1.66E-06	9.44E-08	7.73E-07	1.65E-06	1.15E-07	9.41E-07	2.05E-06
7,988	9.44E-08	7.65E-07	1.66E-06	9.43E-08	7.73E-07	1.65E-06	1.15E-07	9.41E-07	2.05E-06
7,989	9.43E-08	7.65E-07	1.66E-06	9.43E-08	7.73E-07	1.65E-06	1.15E-07	9.41E-07	2.05E-06
7,990	9.43E-08	7.65E-07	1.66E-06	9.43E-08	7.73E-07	1.65E-06	1.15E-07	9.40E-07	2.05E-06
7,991	9.43E-08	7.65E-07	1.66E-06	9.43E-08	7.72E-07	1.65E-06	1.15E-07	9.40E-07	2.05E-06
7,992	9.41E-08	7.64E-07	1.65E-06	9.42E-08	7.72E-07	1.65E-06	1.15E-07	9.39E-07	2.05E-06
7,993	9.41E-08	7.64E-07	1.65E-06	9.41E-08	7.72E-07	1.65E-06	1.15E-07	9.39E-07	2.05E-06
7,994	9.41E-08	7.64E-07	1.65E-06	9.40E-08	7.71E-07	1.65E-06	1.15E-07	9.39E-07	2.05E-06
7,995	9.41E-08	7.64E-07	1.65E-06	9.40E-08	7.71E-07	1.65E-06	1.15E-07	9.37E-07	2.05E-06
7,996	9.40E-08	7.64E-07	1.65E-06	9.39E-08	7.71E-07	1.65E-06	1.15E-07	9.37E-07	2.05E-06
7,997	9.40E-08	7.64E-07	1.65E-06	9.38E-08	7.71E-07	1.65E-06	1.15E-07	9.37E-07	2.05E-06
7,998	9.40E-08	7.64E-07	1.65E-06	9.38E-08	7.71E-07	1.65E-06	1.15E-07	9.37E-07	2.04E-06
7,999	9.39E-08	7.64E-07	1.65E-06	9.37E-08	7.70E-07	1.65E-06	1.15E-07	9.36E-07	2.04E-06
8,000	9.39E-08	7.64E-07	1.65E-06	9.37E-08	7.69E-07	1.64E-06	1.15E-07	9.36E-07	2.04E-06
8,001	9.39E-08	7.63E-07	1.65E-06	9.37E-08	7.69E-07	1.64E-06	1.15E-07	9.36E-07	2.04E-06
8,002	9.38E-08	7.63E-07	1.64E-06	9.36E-08	7.69E-07	1.64E-06	1.15E-07	9.35E-07	2.04E-06
8,003	9.38E-08	7.62E-07	1.64E-06	9.36E-08	7.69E-07	1.64E-06	1.15E-07	9.35E-07	2.04E-06
8,004	9.37E-08	7.62E-07	1.64E-06	9.36E-08	7.69E-07	1.64E-06	1.15E-07	9.35E-07	2.04E-06
8,005	9.37E-08	7.61E-07	1.64E-06	9.35E-08	7.68E-07	1.64E-06	1.14E-07	9.35E-07	2.04E-06
8,006	9.36E-08	7.61E-07	1.64E-06	9.35E-08	7.68E-07	1.64E-06	1.14E-07	9.35E-07	2.04E-06
8,007	9.35E-08	7.61E-07	1.64E-06	9.35E-08	7.68E-07	1.64E-06	1.14E-07	9.34E-07	2.04E-06
8,008	9.35E-08	7.61E-07	1.64E-06	9.34E-08	7.68E-07	1.64E-06	1.14E-07	9.34E-07	2.04E-06
8,009	9.35E-08	7.61E-07	1.64E-06	9.34E-08	7.68E-07	1.64E-06	1.14E-07	9.34E-07	2.04E-06
8,010	9.35E-08	7.60E-07	1.64E-06	9.34E-08	7.68E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,011	9.35E-08	7.60E-07	1.64E-06	9.34E-08	7.67E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,012	9.35E-08	7.60E-07	1.64E-06	9.33E-08	7.67E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,013	9.35E-08	7.59E-07	1.64E-06	9.33E-08	7.67E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,014	9.34E-08	7.59E-07	1.64E-06	9.33E-08	7.67E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,015	9.34E-08	7.59E-07	1.64E-06	9.33E-08	7.67E-07	1.64E-06	1.14E-07	9.33E-07	2.03E-06
8,016	9.33E-08	7.58E-07	1.64E-06	9.32E-08	7.66E-07	1.64E-06	1.14E-07	9.32E-07	2.03E-06
8,017	9.33E-08	7.57E-07	1.63E-06	9.32E-08	7.66E-07	1.64E-06	1.14E-07	9.32E-07	2.03E-06
8,018	9.33E-08	7.57E-07	1.63E-06	9.32E-08	7.66E-07	1.63E-06	1.14E-07	9.32E-07	2.03E-06
8,019	9.32E-08	7.56E-07	1.63E-06	9.30E-08	7.65E-07	1.63E-06	1.14E-07	9.32E-07	2.03E-06
8,020	9.32E-08	7.56E-07	1.63E-06	9.30E-08	7.65E-07	1.63E-06	1.14E-07	9.32E-07	2.02E-06
8,021	9.30E-08	7.55E-07	1.63E-06	9.30E-08	7.64E-07	1.63E-06	1.14E-07	9.31E-07	2.02E-06
8,022	9.30E-08	7.55E-07	1.63E-06	9.27E-08	7.64E-07	1.63E-06	1.14E-07	9.31E-07	2.02E-06
8,023	9.29E-08	7.55E-07	1.63E-06	9.26E-08	7.64E-07	1.63E-06	1.14E-07	9.31E-07	2.02E-06
8,024	9.29E-08	7.55E-07	1.63E-06	9.26E-08	7.63E-07	1.63E-06	1.14E-07	9.31E-07	2.02E-06
8,025	9.28E-08	7.54E-07	1.63E-06	9.26E-08	7.63E-07	1.63E-06	1.14E-07	9.30E-07	2.02E-06
8,026	9.28E-08	7.54E-07	1.63E-06	9.26E-08	7.63E-07	1.63E-06	1.14E-07	9.30E-07	2.02E-06
8,027	9.27E-08	7.54E-07	1.63E-06	9.25E-08	7.63E-07	1.63E-06	1.14E-07	9.30E-07	2.02E-06
8,028	9.27E-08	7.54E-07	1.63E-06	9.25E-08	7.63E-07	1.63E-06	1.14E-07	9.30E-07	2.02E-06
8,029	9.27E-08	7.53E-07	1.63E-06	9.25E-08	7.62E-07	1.63E-06	1.14E-07	9.30E-07	2.02E-06
8,030	9.27E-08	7.52E-07	1.63E-06	9.24E-08	7.62E-07	1.63E-06	1.13E-07	9.29E-07	2.02E-06
8,031	9.26E-08	7.52E-07	1.63E-06	9.24E-08	7.62E-07	1.63E-06	1.13E-07	9.29E-07	2.02E-06
8,032	9.26E-08	7.52E-07	1.63E-06	9.24E-08	7.61E-07	1.63E-06	1.13E-07	9.29E-07	2.02E-06
8,033	9.25E-08	7.52E-07	1.63E-06	9.24E-08	7.61E-07	1.63E-06	1.13E-07	9.29E-07	2.02E-06
8,034	9.24E-08	7.51E-07	1.63E-06	9.24E-08	7.61E-07	1.62E-06	1.13E-07	9.28E-07	2.01E-06
8,035	9.24E-08	7.51E-07	1.62E-06	9.24E-08	7.61E-07	1.62E-06	1.13E-07	9.28E-07	2.01E-06
8,036	9.24E-08	7.50E-07	1.62E-06	9.23E-08	7.61E-07	1.62E-06	1.13E-07	9.26E-07	2.01E-06
8,037	9.24E-08	7.50E-07	1.62E-06	9.23E-08	7.61E-07	1.62E-06	1.13E-07	9.26E-07	2.01E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,038	9.23E-08	7.50E-07	1.62E-06	9.23E-08	7.60E-07	1.62E-06	1.13E-07	9.26E-07	2.01E-06
8,039	9.23E-08	7.50E-07	1.62E-06	9.22E-08	7.59E-07	1.62E-06	1.13E-07	9.26E-07	2.01E-06
8,040	9.23E-08	7.50E-07	1.62E-06	9.22E-08	7.59E-07	1.62E-06	1.13E-07	9.26E-07	2.00E-06
8,041	9.23E-08	7.48E-07	1.62E-06	9.22E-08	7.59E-07	1.62E-06	1.13E-07	9.26E-07	2.00E-06
8,042	9.22E-08	7.48E-07	1.62E-06	9.21E-08	7.59E-07	1.62E-06	1.13E-07	9.25E-07	2.00E-06
8,043	9.21E-08	7.48E-07	1.62E-06	9.21E-08	7.59E-07	1.62E-06	1.13E-07	9.25E-07	2.00E-06
8,044	9.21E-08	7.46E-07	1.62E-06	9.20E-08	7.59E-07	1.62E-06	1.13E-07	9.24E-07	2.00E-06
8,045	9.21E-08	7.46E-07	1.62E-06	9.20E-08	7.58E-07	1.62E-06	1.13E-07	9.24E-07	2.00E-06
8,046	9.21E-08	7.45E-07	1.62E-06	9.20E-08	7.58E-07	1.62E-06	1.13E-07	9.23E-07	2.00E-06
8,047	9.21E-08	7.44E-07	1.62E-06	9.20E-08	7.57E-07	1.62E-06	1.13E-07	9.23E-07	2.00E-06
8,048	9.20E-08	7.44E-07	1.61E-06	9.19E-08	7.57E-07	1.62E-06	1.12E-07	9.23E-07	2.00E-06
8,049	9.20E-08	7.44E-07	1.61E-06	9.19E-08	7.57E-07	1.62E-06	1.12E-07	9.23E-07	2.00E-06
8,050	9.20E-08	7.44E-07	1.61E-06	9.19E-08	7.56E-07	1.62E-06	1.12E-07	9.22E-07	2.00E-06
8,051	9.20E-08	7.42E-07	1.61E-06	9.18E-08	7.56E-07	1.62E-06	1.12E-07	9.21E-07	2.00E-06
8,052	9.20E-08	7.42E-07	1.61E-06	9.18E-08	7.56E-07	1.62E-06	1.12E-07	9.21E-07	2.00E-06
8,053	9.20E-08	7.41E-07	1.61E-06	9.17E-08	7.56E-07	1.61E-06	1.12E-07	9.21E-07	2.00E-06
8,054	9.19E-08	7.41E-07	1.61E-06	9.17E-08	7.55E-07	1.61E-06	1.12E-07	9.21E-07	2.00E-06
8,055	9.19E-08	7.41E-07	1.61E-06	9.16E-08	7.55E-07	1.61E-06	1.12E-07	9.21E-07	2.00E-06
8,056	9.19E-08	7.40E-07	1.61E-06	9.16E-08	7.55E-07	1.61E-06	1.12E-07	9.20E-07	2.00E-06
8,057	9.18E-08	7.40E-07	1.61E-06	9.16E-08	7.54E-07	1.61E-06	1.12E-07	9.20E-07	2.00E-06
8,058	9.18E-08	7.40E-07	1.61E-06	9.16E-08	7.54E-07	1.61E-06	1.12E-07	9.19E-07	1.99E-06
8,059	9.17E-08	7.39E-07	1.61E-06	9.16E-08	7.53E-07	1.61E-06	1.12E-07	9.18E-07	1.99E-06
8,060	9.16E-08	7.38E-07	1.61E-06	9.14E-08	7.53E-07	1.61E-06	1.12E-07	9.18E-07	1.99E-06
8,061	9.16E-08	7.36E-07	1.61E-06	9.14E-08	7.53E-07	1.61E-06	1.12E-07	9.17E-07	1.99E-06
8,062	9.16E-08	7.36E-07	1.61E-06	9.14E-08	7.52E-07	1.61E-06	1.12E-07	9.17E-07	1.99E-06
8,063	9.15E-08	7.36E-07	1.61E-06	9.13E-08	7.52E-07	1.61E-06	1.12E-07	9.17E-07	1.99E-06
8,064	9.15E-08	7.36E-07	1.61E-06	9.13E-08	7.51E-07	1.61E-06	1.12E-07	9.17E-07	1.99E-06
8,065	9.15E-08	7.36E-07	1.60E-06	9.13E-08	7.51E-07	1.61E-06	1.11E-07	9.16E-07	1.99E-06
8,066	9.15E-08	7.36E-07	1.60E-06	9.13E-08	7.50E-07	1.61E-06	1.11E-07	9.16E-07	1.98E-06
8,067	9.15E-08	7.36E-07	1.60E-06	9.13E-08	7.50E-07	1.60E-06	1.11E-07	9.16E-07	1.98E-06
8,068	9.15E-08	7.36E-07	1.60E-06	9.12E-08	7.50E-07	1.60E-06	1.11E-07	9.16E-07	1.98E-06
8,069	9.14E-08	7.35E-07	1.60E-06	9.12E-08	7.50E-07	1.60E-06	1.11E-07	9.15E-07	1.98E-06
8,070	9.14E-08	7.35E-07	1.60E-06	9.12E-08	7.50E-07	1.60E-06	1.11E-07	9.14E-07	1.98E-06
8,071	9.14E-08	7.35E-07	1.60E-06	9.12E-08	7.50E-07	1.60E-06	1.11E-07	9.14E-07	1.98E-06
8,072	9.14E-08	7.35E-07	1.60E-06	9.12E-08	7.49E-07	1.60E-06	1.11E-07	9.14E-07	1.98E-06
8,073	9.13E-08	7.35E-07	1.60E-06	9.12E-08	7.49E-07	1.60E-06	1.11E-07	9.14E-07	1.98E-06
8,074	9.13E-08	7.34E-07	1.60E-06	9.12E-08	7.49E-07	1.60E-06	1.11E-07	9.14E-07	1.98E-06
8,075	9.13E-08	7.34E-07	1.60E-06	9.11E-08	7.49E-07	1.60E-06	1.11E-07	9.13E-07	1.98E-06
8,076	9.12E-08	7.34E-07	1.60E-06	9.11E-08	7.49E-07	1.60E-06	1.11E-07	9.13E-07	1.98E-06
8,077	9.12E-08	7.33E-07	1.60E-06	9.10E-08	7.48E-07	1.60E-06	1.11E-07	9.13E-07	1.98E-06
8,078	9.11E-08	7.33E-07	1.59E-06	9.10E-08	7.47E-07	1.60E-06	1.11E-07	9.13E-07	1.98E-06
8,079	9.10E-08	7.33E-07	1.59E-06	9.10E-08	7.47E-07	1.60E-06	1.11E-07	9.12E-07	1.98E-06
8,080	9.10E-08	7.33E-07	1.59E-06	9.09E-08	7.47E-07	1.60E-06	1.11E-07	9.10E-07	1.97E-06
8,081	9.10E-08	7.32E-07	1.59E-06	9.09E-08	7.46E-07	1.60E-06	1.11E-07	9.10E-07	1.97E-06
8,082	9.09E-08	7.32E-07	1.59E-06	9.08E-08	7.46E-07	1.60E-06	1.11E-07	9.10E-07	1.97E-06
8,083	9.09E-08	7.32E-07	1.59E-06	9.07E-08	7.46E-07	1.59E-06	1.11E-07	9.09E-07	1.97E-06
8,084	9.08E-08	7.31E-07	1.59E-06	9.07E-08	7.46E-07	1.59E-06	1.11E-07	9.09E-07	1.97E-06
8,085	9.08E-08	7.31E-07	1.59E-06	9.07E-08	7.46E-07	1.59E-06	1.11E-07	9.09E-07	1.97E-06
8,086	9.08E-08	7.31E-07	1.59E-06	9.07E-08	7.45E-07	1.59E-06	1.11E-07	9.08E-07	1.97E-06
8,087	9.07E-08	7.31E-07	1.59E-06	9.06E-08	7.45E-07	1.59E-06	1.10E-07	9.08E-07	1.97E-06
8,088	9.07E-08	7.31E-07	1.59E-06	9.06E-08	7.45E-07	1.59E-06	1.10E-07	9.08E-07	1.97E-06
8,089	9.07E-08	7.30E-07	1.59E-06	9.06E-08	7.45E-07	1.59E-06	1.10E-07	9.07E-07	1.97E-06
8,090	9.06E-08	7.30E-07	1.59E-06	9.06E-08	7.44E-07	1.59E-06	1.10E-07	9.06E-07	1.97E-06
8,091	9.06E-08	7.30E-07	1.59E-06	9.06E-08	7.44E-07	1.59E-06	1.10E-07	9.06E-07	1.97E-06
8,092	9.06E-08	7.30E-07	1.59E-06	9.06E-08	7.44E-07	1.59E-06	1.10E-07	9.06E-07	1.97E-06
8,093	9.05E-08	7.30E-07	1.59E-06	9.05E-08	7.44E-07	1.59E-06	1.10E-07	9.05E-07	1.97E-06
8,094	9.03E-08	7.30E-07	1.58E-06	9.04E-08	7.44E-07	1.59E-06	1.10E-07	9.05E-07	1.97E-06
8,095	9.03E-08	7.29E-07	1.58E-06	9.04E-08	7.43E-07	1.59E-06	1.10E-07	9.05E-07	1.96E-06
8,096	9.03E-08	7.29E-07	1.58E-06	9.04E-08	7.43E-07	1.59E-06	1.10E-07	9.05E-07	1.96E-06
8,097	9.03E-08	7.29E-07	1.58E-06	9.04E-08	7.42E-07	1.58E-06	1.10E-07	9.04E-07	1.96E-06
8,098	9.02E-08	7.29E-07	1.58E-06	9.03E-08	7.42E-07	1.58E-06	1.10E-07	9.04E-07	1.96E-06
8,099	9.02E-08	7.28E-07	1.58E-06	9.03E-08	7.42E-07	1.58E-06	1.10E-07	9.03E-07	1.96E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,100	9.02E-08	7.28E-07	1.58E-06	9.03E-08	7.42E-07	1.58E-06	1.10E-07	9.03E-07	1.96E-06
8,101	9.01E-08	7.28E-07	1.58E-06	9.02E-08	7.40E-07	1.58E-06	1.09E-07	9.03E-07	1.96E-06
8,102	9.01E-08	7.28E-07	1.58E-06	9.01E-08	7.40E-07	1.58E-06	1.09E-07	9.02E-07	1.96E-06
8,103	9.01E-08	7.28E-07	1.58E-06	9.01E-08	7.39E-07	1.58E-06	1.09E-07	9.02E-07	1.96E-06
8,104	9.01E-08	7.28E-07	1.58E-06	9.01E-08	7.39E-07	1.58E-06	1.09E-07	9.01E-07	1.96E-06
8,105	9.00E-08	7.27E-07	1.58E-06	9.00E-08	7.39E-07	1.58E-06	1.09E-07	9.01E-07	1.96E-06
8,106	9.00E-08	7.27E-07	1.58E-06	9.00E-08	7.38E-07	1.58E-06	1.09E-07	8.99E-07	1.96E-06
8,107	9.00E-08	7.27E-07	1.58E-06	9.00E-08	7.38E-07	1.58E-06	1.09E-07	8.99E-07	1.96E-06
8,108	9.00E-08	7.27E-07	1.58E-06	9.00E-08	7.37E-07	1.58E-06	1.09E-07	8.99E-07	1.96E-06
8,109	9.00E-08	7.27E-07	1.58E-06	8.99E-08	7.37E-07	1.58E-06	1.09E-07	8.98E-07	1.96E-06
8,110	8.99E-08	7.27E-07	1.58E-06	8.99E-08	7.37E-07	1.58E-06	1.09E-07	8.98E-07	1.95E-06
8,111	8.99E-08	7.27E-07	1.58E-06	8.99E-08	7.36E-07	1.58E-06	1.09E-07	8.97E-07	1.95E-06
8,112	8.99E-08	7.27E-07	1.58E-06	8.99E-08	7.36E-07	1.58E-06	1.09E-07	8.96E-07	1.95E-06
8,113	8.99E-08	7.26E-07	1.58E-06	8.99E-08	7.36E-07	1.58E-06	1.09E-07	8.96E-07	1.95E-06
8,114	8.99E-08	7.26E-07	1.58E-06	8.99E-08	7.35E-07	1.58E-06	1.09E-07	8.95E-07	1.95E-06
8,115	8.99E-08	7.26E-07	1.58E-06	8.98E-08	7.35E-07	1.58E-06	1.09E-07	8.95E-07	1.95E-06
8,116	8.98E-08	7.26E-07	1.58E-06	8.98E-08	7.35E-07	1.58E-06	1.09E-07	8.95E-07	1.95E-06
8,117	8.98E-08	7.26E-07	1.58E-06	8.98E-08	7.34E-07	1.57E-06	1.09E-07	8.95E-07	1.95E-06
8,118	8.98E-08	7.26E-07	1.57E-06	8.98E-08	7.34E-07	1.57E-06	1.09E-07	8.95E-07	1.95E-06
8,119	8.98E-08	7.25E-07	1.57E-06	8.98E-08	7.34E-07	1.57E-06	1.09E-07	8.94E-07	1.95E-06
8,120	8.97E-08	7.25E-07	1.57E-06	8.98E-08	7.34E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,121	8.96E-08	7.25E-07	1.57E-06	8.97E-08	7.33E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,122	8.95E-08	7.24E-07	1.57E-06	8.97E-08	7.33E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,123	8.94E-08	7.24E-07	1.57E-06	8.97E-08	7.33E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,124	8.94E-08	7.24E-07	1.57E-06	8.96E-08	7.32E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,125	8.94E-08	7.24E-07	1.57E-06	8.96E-08	7.32E-07	1.57E-06	1.09E-07	8.93E-07	1.95E-06
8,126	8.94E-08	7.24E-07	1.57E-06	8.96E-08	7.31E-07	1.57E-06	1.09E-07	8.92E-07	1.94E-06
8,127	8.93E-08	7.23E-07	1.57E-06	8.94E-08	7.31E-07	1.57E-06	1.09E-07	8.91E-07	1.94E-06
8,128	8.93E-08	7.23E-07	1.57E-06	8.94E-08	7.30E-07	1.57E-06	1.09E-07	8.91E-07	1.94E-06
8,129	8.93E-08	7.23E-07	1.57E-06	8.94E-08	7.30E-07	1.57E-06	1.09E-07	8.91E-07	1.94E-06
8,130	8.93E-08	7.23E-07	1.57E-06	8.94E-08	7.30E-07	1.57E-06	1.08E-07	8.90E-07	1.94E-06
8,131	8.92E-08	7.22E-07	1.57E-06	8.93E-08	7.30E-07	1.57E-06	1.08E-07	8.90E-07	1.93E-06
8,132	8.92E-08	7.22E-07	1.57E-06	8.93E-08	7.29E-07	1.57E-06	1.08E-07	8.90E-07	1.93E-06
8,133	8.92E-08	7.22E-07	1.56E-06	8.93E-08	7.29E-07	1.57E-06	1.08E-07	8.90E-07	1.93E-06
8,134	8.91E-08	7.22E-07	1.56E-06	8.92E-08	7.28E-07	1.57E-06	1.08E-07	8.87E-07	1.93E-06
8,135	8.91E-08	7.22E-07	1.56E-06	8.92E-08	7.27E-07	1.57E-06	1.08E-07	8.87E-07	1.93E-06
8,136	8.91E-08	7.21E-07	1.56E-06	8.92E-08	7.25E-07	1.57E-06	1.08E-07	8.86E-07	1.93E-06
8,137	8.91E-08	7.21E-07	1.56E-06	8.91E-08	7.25E-07	1.57E-06	1.08E-07	8.86E-07	1.92E-06
8,138	8.90E-08	7.21E-07	1.56E-06	8.91E-08	7.25E-07	1.57E-06	1.08E-07	8.86E-07	1.92E-06
8,139	8.90E-08	7.21E-07	1.56E-06	8.91E-08	7.25E-07	1.56E-06	1.08E-07	8.86E-07	1.92E-06
8,140	8.90E-08	7.21E-07	1.56E-06	8.90E-08	7.25E-07	1.56E-06	1.08E-07	8.85E-07	1.92E-06
8,141	8.89E-08	7.21E-07	1.56E-06	8.89E-08	7.25E-07	1.56E-06	1.08E-07	8.85E-07	1.92E-06
8,142	8.89E-08	7.21E-07	1.56E-06	8.89E-08	7.24E-07	1.56E-06	1.08E-07	8.84E-07	1.92E-06
8,143	8.89E-08	7.20E-07	1.56E-06	8.89E-08	7.24E-07	1.56E-06	1.08E-07	8.84E-07	1.92E-06
8,144	8.89E-08	7.20E-07	1.56E-06	8.89E-08	7.24E-07	1.56E-06	1.08E-07	8.84E-07	1.92E-06
8,145	8.88E-08	7.20E-07	1.56E-06	8.88E-08	7.24E-07	1.56E-06	1.08E-07	8.84E-07	1.92E-06
8,146	8.88E-08	7.19E-07	1.56E-06	8.87E-08	7.24E-07	1.56E-06	1.08E-07	8.84E-07	1.91E-06
8,147	8.88E-08	7.19E-07	1.56E-06	8.86E-08	7.23E-07	1.56E-06	1.08E-07	8.84E-07	1.91E-06
8,148	8.88E-08	7.19E-07	1.56E-06	8.86E-08	7.23E-07	1.56E-06	1.08E-07	8.83E-07	1.91E-06
8,149	8.87E-08	7.19E-07	1.56E-06	8.86E-08	7.23E-07	1.56E-06	1.08E-07	8.82E-07	1.91E-06
8,150	8.87E-08	7.18E-07	1.56E-06	8.86E-08	7.23E-07	1.56E-06	1.07E-07	8.82E-07	1.90E-06
8,151	8.86E-08	7.18E-07	1.56E-06	8.86E-08	7.22E-07	1.56E-06	1.07E-07	8.81E-07	1.90E-06
8,152	8.86E-08	7.18E-07	1.56E-06	8.86E-08	7.22E-07	1.56E-06	1.07E-07	8.81E-07	1.90E-06
8,153	8.85E-08	7.17E-07	1.56E-06	8.86E-08	7.22E-07	1.55E-06	1.07E-07	8.81E-07	1.90E-06
8,154	8.85E-08	7.17E-07	1.56E-06	8.85E-08	7.21E-07	1.55E-06	1.07E-07	8.81E-07	1.90E-06
8,155	8.85E-08	7.17E-07	1.56E-06	8.84E-08	7.21E-07	1.55E-06	1.07E-07	8.80E-07	1.90E-06
8,156	8.85E-08	7.15E-07	1.56E-06	8.84E-08	7.21E-07	1.55E-06	1.07E-07	8.80E-07	1.90E-06
8,157	8.85E-08	7.15E-07	1.56E-06	8.83E-08	7.20E-07	1.55E-06	1.07E-07	8.80E-07	1.90E-06
8,158	8.85E-08	7.15E-07	1.56E-06	8.83E-08	7.20E-07	1.55E-06	1.07E-07	8.80E-07	1.90E-06
8,159	8.84E-08	7.15E-07	1.56E-06	8.83E-08	7.19E-07	1.55E-06	1.07E-07	8.79E-07	1.90E-06
8,160	8.83E-08	7.14E-07	1.55E-06	8.82E-08	7.19E-07	1.55E-06	1.07E-07	8.79E-07	1.90E-06
8,161	8.83E-08	7.14E-07	1.55E-06	8.82E-08	7.19E-07	1.55E-06	1.07E-07	8.78E-07	1.90E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,162	8.82E-08	7.13E-07	1.55E-06	8.82E-08	7.19E-07	1.55E-06	1.07E-07	8.78E-07	1.90E-06
8,163	8.82E-08	7.13E-07	1.55E-06	8.82E-08	7.18E-07	1.55E-06	1.07E-07	8.78E-07	1.89E-06
8,164	8.81E-08	7.13E-07	1.55E-06	8.82E-08	7.18E-07	1.55E-06	1.07E-07	8.78E-07	1.89E-06
8,165	8.81E-08	7.13E-07	1.55E-06	8.81E-08	7.18E-07	1.55E-06	1.07E-07	8.77E-07	1.89E-06
8,166	8.81E-08	7.13E-07	1.55E-06	8.81E-08	7.18E-07	1.55E-06	1.07E-07	8.75E-07	1.89E-06
8,167	8.81E-08	7.13E-07	1.55E-06	8.80E-08	7.18E-07	1.55E-06	1.07E-07	8.75E-07	1.89E-06
8,168	8.80E-08	7.12E-07	1.55E-06	8.80E-08	7.18E-07	1.55E-06	1.07E-07	8.75E-07	1.89E-06
8,169	8.80E-08	7.12E-07	1.55E-06	8.79E-08	7.18E-07	1.54E-06	1.07E-07	8.74E-07	1.89E-06
8,170	8.80E-08	7.12E-07	1.55E-06	8.79E-08	7.16E-07	1.54E-06	1.07E-07	8.74E-07	1.89E-06
8,171	8.79E-08	7.12E-07	1.55E-06	8.79E-08	7.16E-07	1.54E-06	1.07E-07	8.74E-07	1.89E-06
8,172	8.79E-08	7.11E-07	1.55E-06	8.79E-08	7.15E-07	1.54E-06	1.07E-07	8.73E-07	1.88E-06
8,173	8.78E-08	7.11E-07	1.55E-06	8.78E-08	7.15E-07	1.54E-06	1.07E-07	8.72E-07	1.88E-06
8,174	8.78E-08	7.11E-07	1.55E-06	8.77E-08	7.15E-07	1.54E-06	1.07E-07	8.72E-07	1.88E-06
8,175	8.78E-08	7.11E-07	1.55E-06	8.77E-08	7.15E-07	1.54E-06	1.07E-07	8.71E-07	1.88E-06
8,176	8.78E-08	7.11E-07	1.55E-06	8.77E-08	7.15E-07	1.54E-06	1.06E-07	8.71E-07	1.88E-06
8,177	8.77E-08	7.10E-07	1.54E-06	8.77E-08	7.15E-07	1.54E-06	1.06E-07	8.70E-07	1.88E-06
8,178	8.77E-08	7.10E-07	1.54E-06	8.76E-08	7.14E-07	1.54E-06	1.06E-07	8.69E-07	1.88E-06
8,179	8.77E-08	7.10E-07	1.54E-06	8.76E-08	7.14E-07	1.54E-06	1.06E-07	8.69E-07	1.88E-06
8,180	8.77E-08	7.10E-07	1.54E-06	8.76E-08	7.13E-07	1.54E-06	1.06E-07	8.68E-07	1.87E-06
8,181	8.77E-08	7.10E-07	1.54E-06	8.75E-08	7.13E-07	1.54E-06	1.06E-07	8.68E-07	1.87E-06
8,182	8.77E-08	7.09E-07	1.54E-06	8.75E-08	7.13E-07	1.54E-06	1.06E-07	8.67E-07	1.87E-06
8,183	8.76E-08	7.08E-07	1.54E-06	8.74E-08	7.13E-07	1.54E-06	1.06E-07	8.67E-07	1.87E-06
8,184	8.76E-08	7.08E-07	1.54E-06	8.74E-08	7.13E-07	1.54E-06	1.06E-07	8.67E-07	1.87E-06
8,185	8.75E-08	7.08E-07	1.54E-06	8.74E-08	7.12E-07	1.54E-06	1.06E-07	8.67E-07	1.87E-06
8,186	8.74E-08	7.07E-07	1.54E-06	8.73E-08	7.11E-07	1.53E-06	1.06E-07	8.67E-07	1.87E-06
8,187	8.74E-08	7.07E-07	1.54E-06	8.73E-08	7.11E-07	1.53E-06	1.06E-07	8.67E-07	1.87E-06
8,188	8.73E-08	7.07E-07	1.54E-06	8.73E-08	7.11E-07	1.53E-06	1.06E-07	8.67E-07	1.87E-06
8,189	8.73E-08	7.07E-07	1.54E-06	8.71E-08	7.10E-07	1.53E-06	1.06E-07	8.66E-07	1.87E-06
8,190	8.73E-08	7.07E-07	1.54E-06	8.71E-08	7.10E-07	1.53E-06	1.06E-07	8.66E-07	1.87E-06
8,191	8.72E-08	7.07E-07	1.54E-06	8.71E-08	7.09E-07	1.53E-06	1.06E-07	8.65E-07	1.87E-06
8,192	8.72E-08	7.07E-07	1.54E-06	8.71E-08	7.09E-07	1.53E-06	1.06E-07	8.65E-07	1.87E-06
8,193	8.72E-08	7.06E-07	1.54E-06	8.71E-08	7.07E-07	1.53E-06	1.06E-07	8.64E-07	1.87E-06
8,194	8.71E-08	7.06E-07	1.54E-06	8.70E-08	7.07E-07	1.53E-06	1.06E-07	8.63E-07	1.87E-06
8,195	8.71E-08	7.05E-07	1.54E-06	8.69E-08	7.07E-07	1.53E-06	1.06E-07	8.63E-07	1.87E-06
8,196	8.71E-08	7.05E-07	1.54E-06	8.69E-08	7.06E-07	1.53E-06	1.06E-07	8.63E-07	1.87E-06
8,197	8.71E-08	7.05E-07	1.54E-06	8.69E-08	7.06E-07	1.53E-06	1.05E-07	8.63E-07	1.86E-06
8,198	8.71E-08	7.04E-07	1.53E-06	8.69E-08	7.06E-07	1.52E-06	1.05E-07	8.60E-07	1.86E-06
8,199	8.71E-08	7.04E-07	1.53E-06	8.69E-08	7.06E-07	1.52E-06	1.05E-07	8.60E-07	1.86E-06
8,200	8.70E-08	7.04E-07	1.53E-06	8.68E-08	7.06E-07	1.52E-06	1.05E-07	8.60E-07	1.86E-06
8,201	8.70E-08	7.04E-07	1.53E-06	8.68E-08	7.06E-07	1.52E-06	1.05E-07	8.60E-07	1.86E-06
8,202	8.70E-08	7.03E-07	1.53E-06	8.68E-08	7.05E-07	1.52E-06	1.05E-07	8.59E-07	1.86E-06
8,203	8.69E-08	7.03E-07	1.53E-06	8.68E-08	7.05E-07	1.52E-06	1.05E-07	8.58E-07	1.86E-06
8,204	8.68E-08	7.03E-07	1.53E-06	8.68E-08	7.05E-07	1.52E-06	1.05E-07	8.58E-07	1.86E-06
8,205	8.67E-08	7.03E-07	1.53E-06	8.67E-08	7.05E-07	1.52E-06	1.05E-07	8.58E-07	1.86E-06
8,206	8.67E-08	7.03E-07	1.53E-06	8.67E-08	7.04E-07	1.52E-06	1.05E-07	8.57E-07	1.86E-06
8,207	8.66E-08	7.03E-07	1.53E-06	8.67E-08	7.04E-07	1.52E-06	1.05E-07	8.57E-07	1.86E-06
8,208	8.66E-08	7.03E-07	1.53E-06	8.66E-08	7.03E-07	1.52E-06	1.05E-07	8.57E-07	1.86E-06
8,209	8.66E-08	7.01E-07	1.53E-06	8.65E-08	7.03E-07	1.52E-06	1.05E-07	8.56E-07	1.86E-06
8,210	8.65E-08	7.01E-07	1.53E-06	8.65E-08	7.03E-07	1.52E-06	1.05E-07	8.56E-07	1.86E-06
8,211	8.64E-08	7.01E-07	1.53E-06	8.65E-08	7.03E-07	1.52E-06	1.05E-07	8.55E-07	1.86E-06
8,212	8.63E-08	7.00E-07	1.53E-06	8.64E-08	7.03E-07	1.52E-06	1.05E-07	8.55E-07	1.86E-06
8,213	8.63E-08	7.00E-07	1.53E-06	8.64E-08	7.03E-07	1.52E-06	1.05E-07	8.55E-07	1.86E-06
8,214	8.62E-08	7.00E-07	1.53E-06	8.64E-08	7.02E-07	1.52E-06	1.05E-07	8.55E-07	1.85E-06
8,215	8.62E-08	7.00E-07	1.53E-06	8.63E-08	7.01E-07	1.51E-06	1.05E-07	8.55E-07	1.85E-06
8,216	8.62E-08	7.00E-07	1.53E-06	8.63E-08	7.01E-07	1.51E-06	1.05E-07	8.53E-07	1.85E-06
8,217	8.62E-08	7.00E-07	1.53E-06	8.62E-08	7.01E-07	1.51E-06	1.05E-07	8.53E-07	1.85E-06
8,218	8.61E-08	6.99E-07	1.52E-06	8.62E-08	7.01E-07	1.51E-06	1.05E-07	8.53E-07	1.85E-06
8,219	8.60E-08	6.99E-07	1.52E-06	8.61E-08	7.01E-07	1.51E-06	1.05E-07	8.53E-07	1.85E-06
8,220	8.60E-08	6.99E-07	1.52E-06	8.61E-08	7.00E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06
8,221	8.59E-08	6.97E-07	1.52E-06	8.59E-08	7.00E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06
8,222	8.59E-08	6.97E-07	1.52E-06	8.59E-08	6.99E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06
8,223	8.59E-08	6.97E-07	1.52E-06	8.58E-08	6.99E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,224	8.58E-08	6.97E-07	1.52E-06	8.58E-08	6.99E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06
8,225	8.58E-08	6.96E-07	1.52E-06	8.57E-08	6.99E-07	1.51E-06	1.04E-07	8.52E-07	1.85E-06
8,226	8.58E-08	6.96E-07	1.52E-06	8.57E-08	6.98E-07	1.51E-06	1.04E-07	8.51E-07	1.85E-06
8,227	8.58E-08	6.96E-07	1.52E-06	8.57E-08	6.98E-07	1.51E-06	1.04E-07	8.51E-07	1.84E-06
8,228	8.58E-08	6.95E-07	1.52E-06	8.57E-08	6.98E-07	1.51E-06	1.04E-07	8.51E-07	1.84E-06
8,229	8.57E-08	6.95E-07	1.52E-06	8.57E-08	6.98E-07	1.51E-06	1.04E-07	8.50E-07	1.84E-06
8,230	8.57E-08	6.94E-07	1.52E-06	8.57E-08	6.98E-07	1.50E-06	1.04E-07	8.50E-07	1.84E-06
8,231	8.57E-08	6.94E-07	1.52E-06	8.56E-08	6.97E-07	1.50E-06	1.04E-07	8.50E-07	1.84E-06
8,232	8.57E-08	6.94E-07	1.52E-06	8.55E-08	6.97E-07	1.50E-06	1.04E-07	8.50E-07	1.84E-06
8,233	8.57E-08	6.93E-07	1.52E-06	8.54E-08	6.97E-07	1.50E-06	1.04E-07	8.49E-07	1.84E-06
8,234	8.56E-08	6.93E-07	1.52E-06	8.54E-08	6.96E-07	1.50E-06	1.04E-07	8.49E-07	1.84E-06
8,235	8.56E-08	6.93E-07	1.52E-06	8.53E-08	6.96E-07	1.50E-06	1.04E-07	8.49E-07	1.84E-06
8,236	8.56E-08	6.93E-07	1.52E-06	8.53E-08	6.96E-07	1.50E-06	1.04E-07	8.48E-07	1.84E-06
8,237	8.55E-08	6.92E-07	1.52E-06	8.53E-08	6.96E-07	1.50E-06	1.04E-07	8.48E-07	1.83E-06
8,238	8.55E-08	6.92E-07	1.51E-06	8.52E-08	6.96E-07	1.50E-06	1.03E-07	8.48E-07	1.83E-06
8,239	8.54E-08	6.92E-07	1.51E-06	8.52E-08	6.96E-07	1.50E-06	1.03E-07	8.48E-07	1.83E-06
8,240	8.54E-08	6.91E-07	1.51E-06	8.52E-08	6.96E-07	1.50E-06	1.03E-07	8.48E-07	1.83E-06
8,241	8.53E-08	6.91E-07	1.51E-06	8.51E-08	6.96E-07	1.50E-06	1.03E-07	8.47E-07	1.83E-06
8,242	8.53E-08	6.91E-07	1.51E-06	8.51E-08	6.95E-07	1.50E-06	1.03E-07	8.47E-07	1.83E-06
8,243	8.53E-08	6.91E-07	1.51E-06	8.50E-08	6.95E-07	1.49E-06	1.03E-07	8.46E-07	1.83E-06
8,244	8.52E-08	6.91E-07	1.51E-06	8.50E-08	6.94E-07	1.49E-06	1.03E-07	8.45E-07	1.83E-06
8,245	8.52E-08	6.90E-07	1.51E-06	8.50E-08	6.94E-07	1.49E-06	1.03E-07	8.45E-07	1.82E-06
8,246	8.50E-08	6.90E-07	1.51E-06	8.49E-08	6.94E-07	1.49E-06	1.03E-07	8.42E-07	1.82E-06
8,247	8.49E-08	6.90E-07	1.51E-06	8.48E-08	6.94E-07	1.49E-06	1.03E-07	8.41E-07	1.82E-06
8,248	8.49E-08	6.89E-07	1.51E-06	8.48E-08	6.93E-07	1.49E-06	1.03E-07	8.41E-07	1.82E-06
8,249	8.48E-08	6.89E-07	1.51E-06	8.48E-08	6.93E-07	1.49E-06	1.03E-07	8.41E-07	1.82E-06
8,250	8.47E-08	6.89E-07	1.51E-06	8.48E-08	6.93E-07	1.49E-06	1.03E-07	8.41E-07	1.82E-06
8,251	8.46E-08	6.89E-07	1.51E-06	8.47E-08	6.92E-07	1.49E-06	1.03E-07	8.41E-07	1.82E-06
8,252	8.46E-08	6.89E-07	1.51E-06	8.47E-08	6.92E-07	1.49E-06	1.03E-07	8.40E-07	1.82E-06
8,253	8.46E-08	6.89E-07	1.51E-06	8.46E-08	6.92E-07	1.49E-06	1.03E-07	8.40E-07	1.82E-06
8,254	8.45E-08	6.88E-07	1.50E-06	8.45E-08	6.91E-07	1.49E-06	1.03E-07	8.40E-07	1.82E-06
8,255	8.45E-08	6.88E-07	1.50E-06	8.45E-08	6.91E-07	1.49E-06	1.03E-07	8.40E-07	1.82E-06
8,256	8.45E-08	6.87E-07	1.50E-06	8.45E-08	6.90E-07	1.49E-06	1.03E-07	8.40E-07	1.82E-06
8,257	8.45E-08	6.87E-07	1.50E-06	8.44E-08	6.90E-07	1.49E-06	1.03E-07	8.39E-07	1.82E-06
8,258	8.45E-08	6.87E-07	1.50E-06	8.44E-08	6.90E-07	1.49E-06	1.03E-07	8.39E-07	1.82E-06
8,259	8.44E-08	6.87E-07	1.50E-06	8.44E-08	6.90E-07	1.49E-06	1.03E-07	8.39E-07	1.82E-06
8,260	8.44E-08	6.86E-07	1.50E-06	8.43E-08	6.89E-07	1.48E-06	1.03E-07	8.38E-07	1.82E-06
8,261	8.44E-08	6.86E-07	1.50E-06	8.43E-08	6.89E-07	1.48E-06	1.03E-07	8.38E-07	1.82E-06
8,262	8.44E-08	6.86E-07	1.50E-06	8.42E-08	6.89E-07	1.48E-06	1.03E-07	8.38E-07	1.82E-06
8,263	8.43E-08	6.86E-07	1.50E-06	8.42E-08	6.89E-07	1.48E-06	1.03E-07	8.38E-07	1.82E-06
8,264	8.43E-08	6.85E-07	1.50E-06	8.42E-08	6.89E-07	1.48E-06	1.02E-07	8.38E-07	1.81E-06
8,265	8.42E-08	6.85E-07	1.50E-06	8.42E-08	6.88E-07	1.48E-06	1.02E-07	8.37E-07	1.81E-06
8,266	8.42E-08	6.85E-07	1.50E-06	8.42E-08	6.88E-07	1.48E-06	1.02E-07	8.36E-07	1.81E-06
8,267	8.42E-08	6.85E-07	1.50E-06	8.41E-08	6.87E-07	1.48E-06	1.02E-07	8.36E-07	1.81E-06
8,268	8.42E-08	6.84E-07	1.50E-06	8.40E-08	6.87E-07	1.48E-06	1.02E-07	8.36E-07	1.81E-06
8,269	8.42E-08	6.84E-07	1.50E-06	8.39E-08	6.87E-07	1.48E-06	1.02E-07	8.35E-07	1.81E-06
8,270	8.41E-08	6.84E-07	1.50E-06	8.39E-08	6.87E-07	1.48E-06	1.02E-07	8.35E-07	1.81E-06
8,271	8.41E-08	6.83E-07	1.50E-06	8.39E-08	6.87E-07	1.48E-06	1.02E-07	8.35E-07	1.81E-06
8,272	8.41E-08	6.82E-07	1.49E-06	8.38E-08	6.86E-07	1.48E-06	1.02E-07	8.34E-07	1.81E-06
8,273	8.40E-08	6.82E-07	1.49E-06	8.38E-08	6.86E-07	1.48E-06	1.02E-07	8.34E-07	1.81E-06
8,274	8.40E-08	6.82E-07	1.49E-06	8.38E-08	6.86E-07	1.48E-06	1.02E-07	8.34E-07	1.81E-06
8,275	8.40E-08	6.81E-07	1.49E-06	8.37E-08	6.86E-07	1.48E-06	1.02E-07	8.33E-07	1.81E-06
8,276	8.39E-08	6.81E-07	1.49E-06	8.36E-08	6.85E-07	1.48E-06	1.02E-07	8.33E-07	1.81E-06
8,277	8.38E-08	6.79E-07	1.49E-06	8.36E-08	6.85E-07	1.48E-06	1.02E-07	8.33E-07	1.81E-06
8,278	8.38E-08	6.79E-07	1.49E-06	8.36E-08	6.85E-07	1.48E-06	1.02E-07	8.32E-07	1.80E-06
8,279	8.37E-08	6.79E-07	1.49E-06	8.36E-08	6.85E-07	1.48E-06	1.02E-07	8.32E-07	1.80E-06
8,280	8.36E-08	6.79E-07	1.49E-06	8.36E-08	6.84E-07	1.48E-06	1.02E-07	8.31E-07	1.80E-06
8,281	8.36E-08	6.78E-07	1.49E-06	8.35E-08	6.83E-07	1.47E-06	1.02E-07	8.31E-07	1.80E-06
8,282	8.36E-08	6.77E-07	1.49E-06	8.35E-08	6.82E-07	1.47E-06	1.02E-07	8.31E-07	1.79E-06
8,283	8.35E-08	6.77E-07	1.49E-06	8.35E-08	6.81E-07	1.47E-06	1.01E-07	8.30E-07	1.79E-06
8,284	8.35E-08	6.77E-07	1.49E-06	8.35E-08	6.81E-07	1.47E-06	1.01E-07	8.30E-07	1.79E-06
8,285	8.35E-08	6.77E-07	1.49E-06	8.34E-08	6.81E-07	1.47E-06	1.01E-07	8.29E-07	1.79E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,286	8.34E-08	6.77E-07	1.49E-06	8.34E-08	6.81E-07	1.47E-06	1.01E-07	8.29E-07	1.79E-06
8,287	8.34E-08	6.76E-07	1.49E-06	8.34E-08	6.81E-07	1.47E-06	1.01E-07	8.28E-07	1.79E-06
8,288	8.34E-08	6.76E-07	1.49E-06	8.34E-08	6.81E-07	1.47E-06	1.01E-07	8.28E-07	1.79E-06
8,289	8.34E-08	6.76E-07	1.48E-06	8.34E-08	6.80E-07	1.47E-06	1.01E-07	8.28E-07	1.79E-06
8,290	8.34E-08	6.75E-07	1.48E-06	8.33E-08	6.80E-07	1.47E-06	1.01E-07	8.28E-07	1.79E-06
8,291	8.34E-08	6.75E-07	1.48E-06	8.33E-08	6.80E-07	1.47E-06	1.01E-07	8.28E-07	1.79E-06
8,292	8.33E-08	6.75E-07	1.48E-06	8.33E-08	6.79E-07	1.46E-06	1.01E-07	8.27E-07	1.79E-06
8,293	8.33E-08	6.75E-07	1.48E-06	8.32E-08	6.79E-07	1.46E-06	1.01E-07	8.27E-07	1.79E-06
8,294	8.33E-08	6.74E-07	1.48E-06	8.32E-08	6.78E-07	1.46E-06	1.01E-07	8.26E-07	1.79E-06
8,295	8.33E-08	6.74E-07	1.48E-06	8.31E-08	6.78E-07	1.46E-06	1.01E-07	8.26E-07	1.78E-06
8,296	8.33E-08	6.74E-07	1.48E-06	8.30E-08	6.77E-07	1.46E-06	1.01E-07	8.25E-07	1.78E-06
8,297	8.33E-08	6.74E-07	1.48E-06	8.30E-08	6.77E-07	1.46E-06	1.01E-07	8.24E-07	1.78E-06
8,298	8.32E-08	6.73E-07	1.48E-06	8.30E-08	6.77E-07	1.46E-06	1.01E-07	8.24E-07	1.78E-06
8,299	8.32E-08	6.73E-07	1.48E-06	8.30E-08	6.77E-07	1.46E-06	1.01E-07	8.24E-07	1.78E-06
8,300	8.31E-08	6.72E-07	1.48E-06	8.30E-08	6.77E-07	1.46E-06	1.01E-07	8.23E-07	1.78E-06
8,301	8.31E-08	6.72E-07	1.48E-06	8.29E-08	6.75E-07	1.46E-06	1.01E-07	8.22E-07	1.78E-06
8,302	8.31E-08	6.72E-07	1.47E-06	8.29E-08	6.75E-07	1.46E-06	1.01E-07	8.22E-07	1.78E-06
8,303	8.30E-08	6.72E-07	1.47E-06	8.28E-08	6.75E-07	1.46E-06	1.01E-07	8.22E-07	1.78E-06
8,304	8.30E-08	6.72E-07	1.47E-06	8.28E-08	6.74E-07	1.46E-06	1.01E-07	8.21E-07	1.77E-06
8,305	8.30E-08	6.71E-07	1.47E-06	8.27E-08	6.74E-07	1.46E-06	1.01E-07	8.21E-07	1.77E-06
8,306	8.29E-08	6.71E-07	1.47E-06	8.27E-08	6.74E-07	1.46E-06	1.01E-07	8.19E-07	1.77E-06
8,307	8.29E-08	6.69E-07	1.47E-06	8.27E-08	6.73E-07	1.46E-06	1.01E-07	8.19E-07	1.77E-06
8,308	8.28E-08	6.69E-07	1.47E-06	8.27E-08	6.73E-07	1.46E-06	1.01E-07	8.19E-07	1.77E-06
8,309	8.28E-08	6.69E-07	1.47E-06	8.26E-08	6.73E-07	1.46E-06	1.00E-07	8.19E-07	1.77E-06
8,310	8.28E-08	6.69E-07	1.47E-06	8.26E-08	6.72E-07	1.46E-06	1.00E-07	8.19E-07	1.77E-06
8,311	8.26E-08	6.68E-07	1.47E-06	8.25E-08	6.72E-07	1.46E-06	1.00E-07	8.18E-07	1.77E-06
8,312	8.26E-08	6.68E-07	1.47E-06	8.24E-08	6.72E-07	1.46E-06	1.00E-07	8.18E-07	1.77E-06
8,313	8.26E-08	6.68E-07	1.47E-06	8.23E-08	6.72E-07	1.46E-06	1.00E-07	8.18E-07	1.77E-06
8,314	8.26E-08	6.68E-07	1.47E-06	8.23E-08	6.71E-07	1.45E-06	1.00E-07	8.17E-07	1.77E-06
8,315	8.26E-08	6.67E-07	1.47E-06	8.23E-08	6.71E-07	1.45E-06	1.00E-07	8.17E-07	1.76E-06
8,316	8.26E-08	6.67E-07	1.47E-06	8.23E-08	6.71E-07	1.45E-06	1.00E-07	8.16E-07	1.76E-06
8,317	8.25E-08	6.66E-07	1.47E-06	8.22E-08	6.69E-07	1.45E-06	1.00E-07	8.16E-07	1.76E-06
8,318	8.25E-08	6.66E-07	1.47E-06	8.22E-08	6.69E-07	1.45E-06	9.99E-08	8.15E-07	1.76E-06
8,319	8.25E-08	6.66E-07	1.47E-06	8.22E-08	6.68E-07	1.45E-06	9.99E-08	8.15E-07	1.76E-06
8,320	8.25E-08	6.66E-07	1.46E-06	8.21E-08	6.68E-07	1.45E-06	9.99E-08	8.15E-07	1.76E-06
8,321	8.24E-08	6.66E-07	1.46E-06	8.21E-08	6.67E-07	1.45E-06	9.99E-08	8.15E-07	1.76E-06
8,322	8.24E-08	6.66E-07	1.46E-06	8.21E-08	6.67E-07	1.45E-06	9.98E-08	8.14E-07	1.76E-06
8,323	8.24E-08	6.65E-07	1.46E-06	8.21E-08	6.67E-07	1.45E-06	9.98E-08	8.13E-07	1.76E-06
8,324	8.24E-08	6.65E-07	1.46E-06	8.20E-08	6.67E-07	1.45E-06	9.98E-08	8.12E-07	1.75E-06
8,325	8.24E-08	6.64E-07	1.46E-06	8.20E-08	6.67E-07	1.45E-06	9.98E-08	8.12E-07	1.75E-06
8,326	8.24E-08	6.64E-07	1.46E-06	8.19E-08	6.66E-07	1.45E-06	9.98E-08	8.12E-07	1.75E-06
8,327	8.23E-08	6.64E-07	1.46E-06	8.19E-08	6.66E-07	1.45E-06	9.98E-08	8.12E-07	1.75E-06
8,328	8.23E-08	6.64E-07	1.46E-06	8.19E-08	6.66E-07	1.45E-06	9.97E-08	8.12E-07	1.75E-06
8,329	8.22E-08	6.63E-07	1.46E-06	8.19E-08	6.66E-07	1.45E-06	9.95E-08	8.11E-07	1.75E-06
8,330	8.22E-08	6.63E-07	1.46E-06	8.19E-08	6.66E-07	1.45E-06	9.95E-08	8.11E-07	1.75E-06
8,331	8.22E-08	6.63E-07	1.46E-06	8.18E-08	6.65E-07	1.44E-06	9.94E-08	8.11E-07	1.75E-06
8,332	8.21E-08	6.63E-07	1.46E-06	8.18E-08	6.65E-07	1.44E-06	9.94E-08	8.11E-07	1.75E-06
8,333	8.20E-08	6.63E-07	1.45E-06	8.18E-08	6.65E-07	1.44E-06	9.94E-08	8.10E-07	1.75E-06
8,334	8.20E-08	6.62E-07	1.45E-06	8.18E-08	6.65E-07	1.44E-06	9.94E-08	8.09E-07	1.75E-06
8,335	8.19E-08	6.62E-07	1.45E-06	8.17E-08	6.64E-07	1.44E-06	9.93E-08	8.09E-07	1.75E-06
8,336	8.19E-08	6.62E-07	1.45E-06	8.17E-08	6.64E-07	1.44E-06	9.93E-08	8.09E-07	1.75E-06
8,337	8.17E-08	6.62E-07	1.45E-06	8.17E-08	6.63E-07	1.44E-06	9.92E-08	8.08E-07	1.74E-06
8,338	8.17E-08	6.62E-07	1.45E-06	8.17E-08	6.61E-07	1.44E-06	9.92E-08	8.07E-07	1.74E-06
8,339	8.16E-08	6.62E-07	1.45E-06	8.17E-08	6.61E-07	1.44E-06	9.90E-08	8.06E-07	1.74E-06
8,340	8.16E-08	6.61E-07	1.45E-06	8.17E-08	6.60E-07	1.44E-06	9.89E-08	8.06E-07	1.74E-06
8,341	8.16E-08	6.61E-07	1.45E-06	8.16E-08	6.60E-07	1.44E-06	9.89E-08	8.06E-07	1.74E-06
8,342	8.16E-08	6.61E-07	1.45E-06	8.16E-08	6.60E-07	1.44E-06	9.89E-08	8.06E-07	1.74E-06
8,343	8.15E-08	6.61E-07	1.45E-06	8.15E-08	6.60E-07	1.44E-06	9.89E-08	8.06E-07	1.74E-06
8,344	8.15E-08	6.61E-07	1.44E-06	8.15E-08	6.59E-07	1.44E-06	9.88E-08	8.06E-07	1.74E-06
8,345	8.15E-08	6.61E-07	1.44E-06	8.15E-08	6.59E-07	1.44E-06	9.88E-08	8.05E-07	1.74E-06
8,346	8.14E-08	6.60E-07	1.44E-06	8.15E-08	6.58E-07	1.44E-06	9.88E-08	8.05E-07	1.73E-06
8,347	8.12E-08	6.60E-07	1.44E-06	8.14E-08	6.58E-07	1.44E-06	9.88E-08	8.05E-07	1.73E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,348	8.12E-08	6.59E-07	1.44E-06	8.14E-08	6.58E-07	1.44E-06	9.87E-08	8.05E-07	1.73E-06
8,349	8.11E-08	6.59E-07	1.44E-06	8.14E-08	6.58E-07	1.44E-06	9.87E-08	8.05E-07	1.73E-06
8,350	8.11E-08	6.58E-07	1.44E-06	8.14E-08	6.57E-07	1.43E-06	9.87E-08	8.04E-07	1.73E-06
8,351	8.11E-08	6.58E-07	1.44E-06	8.13E-08	6.56E-07	1.43E-06	9.86E-08	8.04E-07	1.73E-06
8,352	8.11E-08	6.58E-07	1.44E-06	8.12E-08	6.56E-07	1.43E-06	9.85E-08	8.03E-07	1.73E-06
8,353	8.10E-08	6.58E-07	1.44E-06	8.11E-08	6.55E-07	1.43E-06	9.84E-08	8.03E-07	1.73E-06
8,354	8.09E-08	6.58E-07	1.44E-06	8.11E-08	6.55E-07	1.43E-06	9.84E-08	8.03E-07	1.73E-06
8,355	8.08E-08	6.58E-07	1.44E-06	8.09E-08	6.55E-07	1.43E-06	9.83E-08	8.03E-07	1.73E-06
8,356	8.08E-08	6.58E-07	1.44E-06	8.09E-08	6.55E-07	1.43E-06	9.83E-08	8.01E-07	1.73E-06
8,357	8.07E-08	6.57E-07	1.44E-06	8.08E-08	6.54E-07	1.43E-06	9.83E-08	8.01E-07	1.72E-06
8,358	8.07E-08	6.57E-07	1.44E-06	8.08E-08	6.54E-07	1.43E-06	9.83E-08	8.01E-07	1.72E-06
8,359	8.07E-08	6.57E-07	1.44E-06	8.07E-08	6.54E-07	1.43E-06	9.83E-08	8.01E-07	1.72E-06
8,360	8.06E-08	6.57E-07	1.43E-06	8.07E-08	6.54E-07	1.43E-06	9.82E-08	8.01E-07	1.72E-06
8,361	8.06E-08	6.56E-07	1.43E-06	8.07E-08	6.54E-07	1.43E-06	9.82E-08	8.01E-07	1.72E-06
8,362	8.06E-08	6.56E-07	1.43E-06	8.07E-08	6.54E-07	1.43E-06	9.81E-08	8.01E-07	1.72E-06
8,363	8.06E-08	6.56E-07	1.43E-06	8.05E-08	6.54E-07	1.43E-06	9.81E-08	8.01E-07	1.72E-06
8,364	8.06E-08	6.56E-07	1.43E-06	8.05E-08	6.54E-07	1.43E-06	9.81E-08	8.00E-07	1.72E-06
8,365	8.06E-08	6.55E-07	1.43E-06	8.04E-08	6.53E-07	1.43E-06	9.80E-08	8.00E-07	1.72E-06
8,366	8.05E-08	6.55E-07	1.43E-06	8.04E-08	6.52E-07	1.42E-06	9.79E-08	7.99E-07	1.72E-06
8,367	8.05E-08	6.54E-07	1.43E-06	8.04E-08	6.52E-07	1.42E-06	9.79E-08	7.99E-07	1.72E-06
8,368	8.04E-08	6.54E-07	1.43E-06	8.04E-08	6.51E-07	1.42E-06	9.79E-08	7.98E-07	1.72E-06
8,369	8.04E-08	6.54E-07	1.43E-06	8.04E-08	6.51E-07	1.42E-06	9.79E-08	7.98E-07	1.71E-06
8,370	8.04E-08	6.53E-07	1.43E-06	8.03E-08	6.51E-07	1.42E-06	9.78E-08	7.96E-07	1.71E-06
8,371	8.04E-08	6.53E-07	1.43E-06	8.03E-08	6.51E-07	1.42E-06	9.77E-08	7.96E-07	1.71E-06
8,372	8.04E-08	6.53E-07	1.43E-06	8.02E-08	6.51E-07	1.42E-06	9.76E-08	7.96E-07	1.71E-06
8,373	8.04E-08	6.53E-07	1.43E-06	8.02E-08	6.50E-07	1.42E-06	9.75E-08	7.96E-07	1.71E-06
8,374	8.04E-08	6.53E-07	1.43E-06	8.01E-08	6.50E-07	1.42E-06	9.75E-08	7.94E-07	1.71E-06
8,375	8.03E-08	6.53E-07	1.43E-06	8.01E-08	6.50E-07	1.42E-06	9.75E-08	7.94E-07	1.71E-06
8,376	8.03E-08	6.52E-07	1.43E-06	8.01E-08	6.50E-07	1.42E-06	9.74E-08	7.94E-07	1.71E-06
8,377	8.02E-08	6.52E-07	1.43E-06	8.00E-08	6.50E-07	1.42E-06	9.74E-08	7.93E-07	1.71E-06
8,378	8.02E-08	6.52E-07	1.42E-06	7.99E-08	6.49E-07	1.42E-06	9.74E-08	7.93E-07	1.71E-06
8,379	8.02E-08	6.52E-07	1.42E-06	7.99E-08	6.49E-07	1.42E-06	9.73E-08	7.92E-07	1.71E-06
8,380	8.01E-08	6.51E-07	1.42E-06	7.99E-08	6.49E-07	1.42E-06	9.72E-08	7.92E-07	1.71E-06
8,381	8.01E-08	6.51E-07	1.42E-06	7.99E-08	6.49E-07	1.41E-06	9.72E-08	7.91E-07	1.70E-06
8,382	8.01E-08	6.51E-07	1.42E-06	7.99E-08	6.48E-07	1.41E-06	9.72E-08	7.91E-07	1.70E-06
8,383	8.00E-08	6.51E-07	1.42E-06	7.98E-08	6.48E-07	1.41E-06	9.72E-08	7.90E-07	1.70E-06
8,384	8.00E-08	6.50E-07	1.42E-06	7.98E-08	6.46E-07	1.41E-06	9.70E-08	7.89E-07	1.70E-06
8,385	8.00E-08	6.50E-07	1.42E-06	7.97E-08	6.46E-07	1.41E-06	9.70E-08	7.89E-07	1.70E-06
8,386	7.99E-08	6.50E-07	1.42E-06	7.97E-08	6.46E-07	1.41E-06	9.69E-08	7.89E-07	1.70E-06
8,387	7.99E-08	6.50E-07	1.42E-06	7.96E-08	6.46E-07	1.41E-06	9.69E-08	7.89E-07	1.70E-06
8,388	7.99E-08	6.50E-07	1.42E-06	7.96E-08	6.46E-07	1.41E-06	9.68E-08	7.88E-07	1.70E-06
8,389	7.98E-08	6.50E-07	1.42E-06	7.96E-08	6.46E-07	1.41E-06	9.68E-08	7.88E-07	1.70E-06
8,390	7.98E-08	6.49E-07	1.42E-06	7.95E-08	6.45E-07	1.41E-06	9.67E-08	7.87E-07	1.70E-06
8,391	7.98E-08	6.49E-07	1.42E-06	7.95E-08	6.44E-07	1.41E-06	9.67E-08	7.87E-07	1.70E-06
8,392	7.97E-08	6.49E-07	1.42E-06	7.94E-08	6.44E-07	1.41E-06	9.67E-08	7.86E-07	1.70E-06
8,393	7.97E-08	6.49E-07	1.42E-06	7.94E-08	6.44E-07	1.41E-06	9.65E-08	7.86E-07	1.70E-06
8,394	7.96E-08	6.48E-07	1.41E-06	7.94E-08	6.44E-07	1.41E-06	9.65E-08	7.86E-07	1.70E-06
8,395	7.96E-08	6.48E-07	1.41E-06	7.94E-08	6.44E-07	1.40E-06	9.65E-08	7.86E-07	1.70E-06
8,396	7.95E-08	6.48E-07	1.41E-06	7.93E-08	6.44E-07	1.40E-06	9.64E-08	7.85E-07	1.69E-06
8,397	7.95E-08	6.47E-07	1.41E-06	7.93E-08	6.44E-07	1.40E-06	9.64E-08	7.85E-07	1.69E-06
8,398	7.95E-08	6.47E-07	1.41E-06	7.92E-08	6.44E-07	1.40E-06	9.63E-08	7.84E-07	1.69E-06
8,399	7.95E-08	6.46E-07	1.41E-06	7.91E-08	6.44E-07	1.40E-06	9.63E-08	7.84E-07	1.69E-06
8,400	7.95E-08	6.46E-07	1.41E-06	7.91E-08	6.42E-07	1.40E-06	9.63E-08	7.84E-07	1.69E-06
8,401	7.95E-08	6.45E-07	1.41E-06	7.91E-08	6.41E-07	1.40E-06	9.63E-08	7.84E-07	1.69E-06
8,402	7.94E-08	6.45E-07	1.41E-06	7.91E-08	6.40E-07	1.40E-06	9.62E-08	7.83E-07	1.69E-06
8,403	7.93E-08	6.45E-07	1.41E-06	7.90E-08	6.40E-07	1.40E-06	9.62E-08	7.83E-07	1.69E-06
8,404	7.93E-08	6.45E-07	1.41E-06	7.90E-08	6.40E-07	1.40E-06	9.61E-08	7.83E-07	1.69E-06
8,405	7.92E-08	6.44E-07	1.41E-06	7.90E-08	6.39E-07	1.40E-06	9.61E-08	7.83E-07	1.69E-06
8,406	7.92E-08	6.44E-07	1.40E-06	7.89E-08	6.39E-07	1.40E-06	9.61E-08	7.83E-07	1.69E-06
8,407	7.92E-08	6.43E-07	1.40E-06	7.89E-08	6.39E-07	1.40E-06	9.60E-08	7.82E-07	1.69E-06
8,408	7.92E-08	6.42E-07	1.40E-06	7.89E-08	6.39E-07	1.40E-06	9.60E-08	7.81E-07	1.69E-06
8,409	7.92E-08	6.42E-07	1.40E-06	7.89E-08	6.39E-07	1.40E-06	9.60E-08	7.79E-07	1.69E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,410	7.92E-08	6.41E-07	1.40E-06	7.88E-08	6.38E-07	1.40E-06	9.59E-08	7.79E-07	1.68E-06
8,411	7.91E-08	6.41E-07	1.40E-06	7.88E-08	6.38E-07	1.39E-06	9.59E-08	7.78E-07	1.68E-06
8,412	7.91E-08	6.41E-07	1.40E-06	7.88E-08	6.38E-07	1.39E-06	9.59E-08	7.78E-07	1.68E-06
8,413	7.90E-08	6.41E-07	1.40E-06	7.88E-08	6.37E-07	1.39E-06	9.59E-08	7.77E-07	1.68E-06
8,414	7.90E-08	6.41E-07	1.40E-06	7.88E-08	6.37E-07	1.39E-06	9.58E-08	7.76E-07	1.68E-06
8,415	7.90E-08	6.40E-07	1.40E-06	7.88E-08	6.37E-07	1.39E-06	9.58E-08	7.76E-07	1.68E-06
8,416	7.90E-08	6.40E-07	1.40E-06	7.87E-08	6.36E-07	1.39E-06	9.58E-08	7.76E-07	1.68E-06
8,417	7.89E-08	6.40E-07	1.40E-06	7.87E-08	6.36E-07	1.39E-06	9.58E-08	7.75E-07	1.68E-06
8,418	7.89E-08	6.40E-07	1.40E-06	7.87E-08	6.36E-07	1.39E-06	9.57E-08	7.75E-07	1.68E-06
8,419	7.89E-08	6.40E-07	1.39E-06	7.86E-08	6.36E-07	1.39E-06	9.57E-08	7.75E-07	1.68E-06
8,420	7.89E-08	6.40E-07	1.39E-06	7.85E-08	6.36E-07	1.39E-06	9.55E-08	7.75E-07	1.68E-06
8,421	7.88E-08	6.39E-07	1.39E-06	7.85E-08	6.35E-07	1.39E-06	9.55E-08	7.74E-07	1.68E-06
8,422	7.88E-08	6.39E-07	1.39E-06	7.85E-08	6.35E-07	1.39E-06	9.55E-08	7.73E-07	1.68E-06
8,423	7.87E-08	6.39E-07	1.39E-06	7.83E-08	6.35E-07	1.39E-06	9.55E-08	7.73E-07	1.68E-06
8,424	7.86E-08	6.39E-07	1.39E-06	7.83E-08	6.35E-07	1.39E-06	9.54E-08	7.73E-07	1.68E-06
8,425	7.86E-08	6.39E-07	1.39E-06	7.82E-08	6.35E-07	1.39E-06	9.54E-08	7.72E-07	1.68E-06
8,426	7.86E-08	6.39E-07	1.39E-06	7.82E-08	6.34E-07	1.39E-06	9.53E-08	7.72E-07	1.67E-06
8,427	7.85E-08	6.39E-07	1.39E-06	7.82E-08	6.34E-07	1.39E-06	9.52E-08	7.72E-07	1.67E-06
8,428	7.85E-08	6.39E-07	1.39E-06	7.82E-08	6.34E-07	1.39E-06	9.52E-08	7.72E-07	1.67E-06
8,429	7.85E-08	6.38E-07	1.39E-06	7.82E-08	6.34E-07	1.39E-06	9.51E-08	7.71E-07	1.67E-06
8,430	7.85E-08	6.38E-07	1.39E-06	7.81E-08	6.34E-07	1.39E-06	9.51E-08	7.71E-07	1.67E-06
8,431	7.84E-08	6.37E-07	1.39E-06	7.80E-08	6.34E-07	1.39E-06	9.51E-08	7.71E-07	1.67E-06
8,432	7.84E-08	6.37E-07	1.39E-06	7.80E-08	6.34E-07	1.39E-06	9.51E-08	7.71E-07	1.67E-06
8,433	7.84E-08	6.37E-07	1.39E-06	7.80E-08	6.33E-07	1.38E-06	9.50E-08	7.70E-07	1.67E-06
8,434	7.84E-08	6.37E-07	1.39E-06	7.79E-08	6.33E-07	1.38E-06	9.50E-08	7.70E-07	1.67E-06
8,435	7.83E-08	6.37E-07	1.39E-06	7.79E-08	6.33E-07	1.38E-06	9.49E-08	7.70E-07	1.67E-06
8,436	7.83E-08	6.37E-07	1.39E-06	7.78E-08	6.33E-07	1.38E-06	9.49E-08	7.70E-07	1.67E-06
8,437	7.83E-08	6.36E-07	1.39E-06	7.78E-08	6.32E-07	1.38E-06	9.49E-08	7.69E-07	1.66E-06
8,438	7.82E-08	6.36E-07	1.39E-06	7.78E-08	6.32E-07	1.38E-06	9.49E-08	7.69E-07	1.66E-06
8,439	7.82E-08	6.36E-07	1.39E-06	7.78E-08	6.32E-07	1.38E-06	9.48E-08	7.69E-07	1.66E-06
8,440	7.81E-08	6.35E-07	1.38E-06	7.78E-08	6.32E-07	1.38E-06	9.48E-08	7.69E-07	1.66E-06
8,441	7.81E-08	6.34E-07	1.38E-06	7.77E-08	6.32E-07	1.38E-06	9.47E-08	7.67E-07	1.66E-06
8,442	7.81E-08	6.34E-07	1.38E-06	7.77E-08	6.32E-07	1.38E-06	9.47E-08	7.67E-07	1.66E-06
8,443	7.80E-08	6.33E-07	1.38E-06	7.77E-08	6.32E-07	1.38E-06	9.46E-08	7.67E-07	1.66E-06
8,444	7.80E-08	6.33E-07	1.38E-06	7.77E-08	6.32E-07	1.38E-06	9.44E-08	7.67E-07	1.66E-06
8,445	7.80E-08	6.33E-07	1.38E-06	7.76E-08	6.31E-07	1.38E-06	9.44E-08	7.66E-07	1.66E-06
8,446	7.79E-08	6.33E-07	1.38E-06	7.76E-08	6.31E-07	1.38E-06	9.44E-08	7.66E-07	1.66E-06
8,447	7.78E-08	6.33E-07	1.38E-06	7.76E-08	6.31E-07	1.38E-06	9.44E-08	7.66E-07	1.66E-06
8,448	7.78E-08	6.32E-07	1.38E-06	7.75E-08	6.31E-07	1.38E-06	9.43E-08	7.66E-07	1.66E-06
8,449	7.78E-08	6.32E-07	1.38E-06	7.75E-08	6.30E-07	1.37E-06	9.43E-08	7.66E-07	1.66E-06
8,450	7.78E-08	6.32E-07	1.38E-06	7.73E-08	6.30E-07	1.37E-06	9.43E-08	7.66E-07	1.66E-06
8,451	7.78E-08	6.32E-07	1.38E-06	7.73E-08	6.30E-07	1.37E-06	9.43E-08	7.65E-07	1.66E-06
8,452	7.78E-08	6.32E-07	1.38E-06	7.72E-08	6.30E-07	1.37E-06	9.42E-08	7.64E-07	1.65E-06
8,453	7.77E-08	6.32E-07	1.38E-06	7.71E-08	6.29E-07	1.37E-06	9.42E-08	7.64E-07	1.65E-06
8,454	7.77E-08	6.32E-07	1.38E-06	7.71E-08	6.29E-07	1.37E-06	9.41E-08	7.64E-07	1.65E-06
8,455	7.76E-08	6.32E-07	1.38E-06	7.70E-08	6.29E-07	1.37E-06	9.40E-08	7.63E-07	1.65E-06
8,456	7.74E-08	6.32E-07	1.38E-06	7.69E-08	6.29E-07	1.37E-06	9.40E-08	7.63E-07	1.65E-06
8,457	7.74E-08	6.31E-07	1.37E-06	7.69E-08	6.28E-07	1.37E-06	9.40E-08	7.62E-07	1.65E-06
8,458	7.74E-08	6.31E-07	1.37E-06	7.69E-08	6.28E-07	1.37E-06	9.40E-08	7.62E-07	1.65E-06
8,459	7.74E-08	6.31E-07	1.37E-06	7.68E-08	6.27E-07	1.37E-06	9.39E-08	7.61E-07	1.65E-06
8,460	7.73E-08	6.30E-07	1.37E-06	7.68E-08	6.27E-07	1.37E-06	9.39E-08	7.61E-07	1.65E-06
8,461	7.73E-08	6.29E-07	1.37E-06	7.68E-08	6.27E-07	1.37E-06	9.39E-08	7.60E-07	1.65E-06
8,462	7.73E-08	6.29E-07	1.37E-06	7.68E-08	6.27E-07	1.37E-06	9.39E-08	7.60E-07	1.64E-06
8,463	7.72E-08	6.29E-07	1.37E-06	7.67E-08	6.27E-07	1.36E-06	9.38E-08	7.60E-07	1.64E-06
8,464	7.72E-08	6.29E-07	1.37E-06	7.66E-08	6.26E-07	1.36E-06	9.38E-08	7.59E-07	1.64E-06
8,465	7.71E-08	6.29E-07	1.37E-06	7.66E-08	6.26E-07	1.36E-06	9.38E-08	7.59E-07	1.64E-06
8,466	7.71E-08	6.28E-07	1.37E-06	7.66E-08	6.26E-07	1.36E-06	9.38E-08	7.58E-07	1.64E-06
8,467	7.68E-08	6.28E-07	1.37E-06	7.66E-08	6.25E-07	1.36E-06	9.37E-08	7.58E-07	1.64E-06
8,468	7.68E-08	6.28E-07	1.37E-06	7.66E-08	6.24E-07	1.36E-06	9.36E-08	7.58E-07	1.64E-06
8,469	7.67E-08	6.27E-07	1.37E-06	7.66E-08	6.24E-07	1.36E-06	9.36E-08	7.58E-07	1.64E-06
8,470	7.67E-08	6.27E-07	1.37E-06	7.65E-08	6.23E-07	1.36E-06	9.36E-08	7.58E-07	1.64E-06
8,471	7.66E-08	6.27E-07	1.37E-06	7.65E-08	6.23E-07	1.36E-06	9.36E-08	7.57E-07	1.63E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,472	7.66E-08	6.27E-07	1.37E-06	7.64E-08	6.23E-07	1.36E-06	9.35E-08	7.56E-07	1.63E-06
8,473	7.65E-08	6.27E-07	1.37E-06	7.64E-08	6.23E-07	1.36E-06	9.35E-08	7.56E-07	1.63E-06
8,474	7.65E-08	6.27E-07	1.36E-06	7.64E-08	6.23E-07	1.36E-06	9.35E-08	7.56E-07	1.63E-06
8,475	7.65E-08	6.27E-07	1.36E-06	7.63E-08	6.23E-07	1.36E-06	9.35E-08	7.55E-07	1.63E-06
8,476	7.65E-08	6.26E-07	1.36E-06	7.63E-08	6.22E-07	1.36E-06	9.34E-08	7.55E-07	1.63E-06
8,477	7.65E-08	6.26E-07	1.36E-06	7.63E-08	6.22E-07	1.36E-06	9.33E-08	7.54E-07	1.63E-06
8,478	7.64E-08	6.26E-07	1.36E-06	7.62E-08	6.22E-07	1.36E-06	9.33E-08	7.54E-07	1.63E-06
8,479	7.64E-08	6.26E-07	1.36E-06	7.62E-08	6.22E-07	1.36E-06	9.32E-08	7.53E-07	1.63E-06
8,480	7.64E-08	6.25E-07	1.36E-06	7.62E-08	6.21E-07	1.36E-06	9.32E-08	7.53E-07	1.63E-06
8,481	7.64E-08	6.25E-07	1.36E-06	7.62E-08	6.21E-07	1.36E-06	9.31E-08	7.53E-07	1.63E-06
8,482	7.64E-08	6.23E-07	1.36E-06	7.62E-08	6.21E-07	1.36E-06	9.30E-08	7.51E-07	1.62E-06
8,483	7.63E-08	6.23E-07	1.36E-06	7.62E-08	6.21E-07	1.36E-06	9.30E-08	7.51E-07	1.62E-06
8,484	7.63E-08	6.22E-07	1.36E-06	7.61E-08	6.20E-07	1.36E-06	9.30E-08	7.51E-07	1.62E-06
8,485	7.63E-08	6.22E-07	1.36E-06	7.61E-08	6.20E-07	1.36E-06	9.29E-08	7.51E-07	1.62E-06
8,486	7.62E-08	6.21E-07	1.36E-06	7.61E-08	6.20E-07	1.36E-06	9.29E-08	7.50E-07	1.62E-06
8,487	7.62E-08	6.21E-07	1.36E-06	7.61E-08	6.20E-07	1.35E-06	9.29E-08	7.49E-07	1.62E-06
8,488	7.62E-08	6.21E-07	1.36E-06	7.61E-08	6.20E-07	1.35E-06	9.29E-08	7.49E-07	1.62E-06
8,489	7.62E-08	6.19E-07	1.36E-06	7.61E-08	6.20E-07	1.35E-06	9.28E-08	7.49E-07	1.62E-06
8,490	7.62E-08	6.19E-07	1.36E-06	7.60E-08	6.19E-07	1.35E-06	9.27E-08	7.49E-07	1.62E-06
8,491	7.62E-08	6.19E-07	1.35E-06	7.60E-08	6.19E-07	1.35E-06	9.26E-08	7.48E-07	1.62E-06
8,492	7.61E-08	6.19E-07	1.35E-06	7.60E-08	6.19E-07	1.35E-06	9.26E-08	7.48E-07	1.62E-06
8,493	7.61E-08	6.19E-07	1.35E-06	7.60E-08	6.18E-07	1.35E-06	9.25E-08	7.48E-07	1.62E-06
8,494	7.61E-08	6.18E-07	1.35E-06	7.58E-08	6.18E-07	1.35E-06	9.25E-08	7.48E-07	1.61E-06
8,495	7.60E-08	6.18E-07	1.35E-06	7.58E-08	6.18E-07	1.35E-06	9.24E-08	7.48E-07	1.61E-06
8,496	7.59E-08	6.17E-07	1.35E-06	7.58E-08	6.18E-07	1.35E-06	9.24E-08	7.48E-07	1.61E-06
8,497	7.59E-08	6.17E-07	1.35E-06	7.58E-08	6.18E-07	1.35E-06	9.23E-08	7.48E-07	1.61E-06
8,498	7.59E-08	6.17E-07	1.35E-06	7.58E-08	6.18E-07	1.35E-06	9.23E-08	7.48E-07	1.61E-06
8,499	7.59E-08	6.16E-07	1.35E-06	7.58E-08	6.17E-07	1.35E-06	9.22E-08	7.48E-07	1.61E-06
8,500	7.59E-08	6.16E-07	1.35E-06	7.57E-08	6.17E-07	1.35E-06	9.21E-08	7.46E-07	1.61E-06
8,501	7.59E-08	6.15E-07	1.35E-06	7.57E-08	6.16E-07	1.35E-06	9.21E-08	7.45E-07	1.61E-06
8,502	7.58E-08	6.15E-07	1.35E-06	7.57E-08	6.15E-07	1.35E-06	9.21E-08	7.45E-07	1.61E-06
8,503	7.58E-08	6.15E-07	1.35E-06	7.57E-08	6.15E-07	1.34E-06	9.20E-08	7.45E-07	1.61E-06
8,504	7.58E-08	6.14E-07	1.35E-06	7.56E-08	6.14E-07	1.34E-06	9.20E-08	7.44E-07	1.61E-06
8,505	7.58E-08	6.14E-07	1.35E-06	7.56E-08	6.14E-07	1.34E-06	9.20E-08	7.44E-07	1.61E-06
8,506	7.57E-08	6.14E-07	1.35E-06	7.56E-08	6.14E-07	1.34E-06	9.19E-08	7.44E-07	1.61E-06
8,507	7.57E-08	6.14E-07	1.35E-06	7.55E-08	6.14E-07	1.34E-06	9.19E-08	7.44E-07	1.61E-06
8,508	7.57E-08	6.13E-07	1.34E-06	7.55E-08	6.14E-07	1.34E-06	9.18E-08	7.44E-07	1.61E-06
8,509	7.57E-08	6.13E-07	1.34E-06	7.55E-08	6.13E-07	1.34E-06	9.18E-08	7.44E-07	1.61E-06
8,510	7.57E-08	6.13E-07	1.34E-06	7.55E-08	6.13E-07	1.34E-06	9.17E-08	7.43E-07	1.61E-06
8,511	7.56E-08	6.12E-07	1.34E-06	7.55E-08	6.12E-07	1.34E-06	9.16E-08	7.43E-07	1.60E-06
8,512	7.56E-08	6.12E-07	1.34E-06	7.55E-08	6.12E-07	1.34E-06	9.16E-08	7.43E-07	1.60E-06
8,513	7.54E-08	6.12E-07	1.34E-06	7.54E-08	6.11E-07	1.34E-06	9.16E-08	7.42E-07	1.60E-06
8,514	7.54E-08	6.12E-07	1.34E-06	7.53E-08	6.11E-07	1.34E-06	9.16E-08	7.42E-07	1.60E-06
8,515	7.52E-08	6.11E-07	1.34E-06	7.53E-08	6.11E-07	1.33E-06	9.16E-08	7.41E-07	1.60E-06
8,516	7.51E-08	6.11E-07	1.34E-06	7.53E-08	6.10E-07	1.33E-06	9.14E-08	7.41E-07	1.60E-06
8,517	7.51E-08	6.10E-07	1.34E-06	7.52E-08	6.10E-07	1.33E-06	9.12E-08	7.40E-07	1.60E-06
8,518	7.51E-08	6.09E-07	1.34E-06	7.52E-08	6.10E-07	1.33E-06	9.11E-08	7.40E-07	1.60E-06
8,519	7.51E-08	6.09E-07	1.34E-06	7.52E-08	6.10E-07	1.33E-06	9.11E-08	7.40E-07	1.60E-06
8,520	7.50E-08	6.08E-07	1.34E-06	7.51E-08	6.09E-07	1.33E-06	9.11E-08	7.39E-07	1.60E-06
8,521	7.50E-08	6.08E-07	1.34E-06	7.51E-08	6.09E-07	1.33E-06	9.11E-08	7.39E-07	1.60E-06
8,522	7.50E-08	6.08E-07	1.34E-06	7.51E-08	6.09E-07	1.33E-06	9.09E-08	7.38E-07	1.60E-06
8,523	7.48E-08	6.07E-07	1.34E-06	7.51E-08	6.09E-07	1.33E-06	9.09E-08	7.37E-07	1.60E-06
8,524	7.48E-08	6.07E-07	1.34E-06	7.50E-08	6.08E-07	1.33E-06	9.07E-08	7.37E-07	1.60E-06
8,525	7.48E-08	6.07E-07	1.34E-06	7.50E-08	6.08E-07	1.33E-06	9.07E-08	7.37E-07	1.59E-06
8,526	7.48E-08	6.07E-07	1.33E-06	7.50E-08	6.08E-07	1.32E-06	9.07E-08	7.37E-07	1.59E-06
8,527	7.47E-08	6.07E-07	1.33E-06	7.50E-08	6.08E-07	1.32E-06	9.06E-08	7.35E-07	1.59E-06
8,528	7.46E-08	6.06E-07	1.33E-06	7.49E-08	6.08E-07	1.32E-06	9.06E-08	7.35E-07	1.59E-06
8,529	7.46E-08	6.06E-07	1.33E-06	7.49E-08	6.07E-07	1.32E-06	9.06E-08	7.35E-07	1.59E-06
8,530	7.46E-08	6.05E-07	1.33E-06	7.48E-08	6.06E-07	1.32E-06	9.05E-08	7.35E-07	1.59E-06
8,531	7.46E-08	6.05E-07	1.33E-06	7.47E-08	6.06E-07	1.32E-06	9.05E-08	7.34E-07	1.59E-06
8,532	7.46E-08	6.04E-07	1.33E-06	7.47E-08	6.06E-07	1.32E-06	9.05E-08	7.34E-07	1.59E-06
8,533	7.45E-08	6.03E-07	1.33E-06	7.46E-08	6.06E-07	1.32E-06	9.05E-08	7.34E-07	1.58E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,534	7.45E-08	6.03E-07	1.33E-06	7.46E-08	6.06E-07	1.32E-06	9.04E-08	7.33E-07	1.58E-06
8,535	7.45E-08	6.01E-07	1.33E-06	7.45E-08	6.06E-07	1.32E-06	9.03E-08	7.33E-07	1.58E-06
8,536	7.44E-08	6.00E-07	1.33E-06	7.45E-08	6.06E-07	1.32E-06	9.03E-08	7.33E-07	1.58E-06
8,537	7.44E-08	6.00E-07	1.33E-06	7.45E-08	6.05E-07	1.32E-06	9.02E-08	7.32E-07	1.58E-06
8,538	7.44E-08	6.00E-07	1.33E-06	7.44E-08	6.05E-07	1.32E-06	9.02E-08	7.31E-07	1.58E-06
8,539	7.43E-08	5.99E-07	1.33E-06	7.44E-08	6.05E-07	1.32E-06	9.02E-08	7.31E-07	1.58E-06
8,540	7.43E-08	5.99E-07	1.33E-06	7.43E-08	6.04E-07	1.32E-06	9.01E-08	7.31E-07	1.58E-06
8,541	7.43E-08	5.99E-07	1.33E-06	7.43E-08	6.04E-07	1.32E-06	9.00E-08	7.30E-07	1.58E-06
8,542	7.43E-08	5.99E-07	1.33E-06	7.42E-08	6.04E-07	1.32E-06	9.00E-08	7.30E-07	1.58E-06
8,543	7.43E-08	5.99E-07	1.33E-06	7.42E-08	6.04E-07	1.31E-06	9.00E-08	7.30E-07	1.58E-06
8,544	7.42E-08	5.99E-07	1.32E-06	7.42E-08	6.04E-07	1.31E-06	8.97E-08	7.30E-07	1.58E-06
8,545	7.42E-08	5.99E-07	1.32E-06	7.42E-08	6.03E-07	1.31E-06	8.96E-08	7.29E-07	1.58E-06
8,546	7.42E-08	5.98E-07	1.32E-06	7.42E-08	6.03E-07	1.31E-06	8.96E-08	7.29E-07	1.57E-06
8,547	7.41E-08	5.98E-07	1.32E-06	7.41E-08	6.03E-07	1.31E-06	8.96E-08	7.29E-07	1.57E-06
8,548	7.41E-08	5.98E-07	1.32E-06	7.41E-08	6.03E-07	1.31E-06	8.95E-08	7.28E-07	1.57E-06
8,549	7.41E-08	5.96E-07	1.32E-06	7.41E-08	6.02E-07	1.31E-06	8.95E-08	7.28E-07	1.57E-06
8,550	7.41E-08	5.96E-07	1.32E-06	7.41E-08	6.02E-07	1.31E-06	8.94E-08	7.28E-07	1.57E-06
8,551	7.40E-08	5.96E-07	1.32E-06	7.40E-08	6.02E-07	1.31E-06	8.94E-08	7.28E-07	1.57E-06
8,552	7.40E-08	5.96E-07	1.32E-06	7.40E-08	6.02E-07	1.31E-06	8.92E-08	7.26E-07	1.57E-06
8,553	7.40E-08	5.96E-07	1.32E-06	7.40E-08	6.01E-07	1.31E-06	8.91E-08	7.26E-07	1.57E-06
8,554	7.39E-08	5.96E-07	1.32E-06	7.40E-08	6.01E-07	1.31E-06	8.90E-08	7.26E-07	1.57E-06
8,555	7.39E-08	5.95E-07	1.32E-06	7.39E-08	6.01E-07	1.31E-06	8.90E-08	7.25E-07	1.57E-06
8,556	7.39E-08	5.95E-07	1.32E-06	7.39E-08	6.01E-07	1.31E-06	8.89E-08	7.25E-07	1.57E-06
8,557	7.38E-08	5.95E-07	1.32E-06	7.39E-08	6.01E-07	1.31E-06	8.89E-08	7.25E-07	1.57E-06
8,558	7.38E-08	5.95E-07	1.32E-06	7.37E-08	6.00E-07	1.31E-06	8.89E-08	7.24E-07	1.57E-06
8,559	7.37E-08	5.94E-07	1.32E-06	7.37E-08	5.99E-07	1.31E-06	8.87E-08	7.24E-07	1.57E-06
8,560	7.37E-08	5.94E-07	1.32E-06	7.36E-08	5.99E-07	1.30E-06	8.87E-08	7.23E-07	1.57E-06
8,561	7.37E-08	5.94E-07	1.32E-06	7.36E-08	5.99E-07	1.30E-06	8.87E-08	7.23E-07	1.57E-06
8,562	7.37E-08	5.94E-07	1.31E-06	7.36E-08	5.99E-07	1.30E-06	8.86E-08	7.23E-07	1.57E-06
8,563	7.37E-08	5.94E-07	1.31E-06	7.36E-08	5.98E-07	1.30E-06	8.86E-08	7.22E-07	1.57E-06
8,564	7.35E-08	5.93E-07	1.31E-06	7.35E-08	5.98E-07	1.30E-06	8.85E-08	7.22E-07	1.56E-06
8,565	7.35E-08	5.93E-07	1.31E-06	7.35E-08	5.98E-07	1.30E-06	8.85E-08	7.22E-07	1.56E-06
8,566	7.34E-08	5.92E-07	1.31E-06	7.35E-08	5.97E-07	1.30E-06	8.84E-08	7.22E-07	1.56E-06
8,567	7.34E-08	5.92E-07	1.31E-06	7.34E-08	5.97E-07	1.30E-06	8.84E-08	7.21E-07	1.56E-06
8,568	7.33E-08	5.92E-07	1.31E-06	7.34E-08	5.97E-07	1.30E-06	8.84E-08	7.21E-07	1.56E-06
8,569	7.33E-08	5.92E-07	1.31E-06	7.33E-08	5.97E-07	1.30E-06	8.83E-08	7.20E-07	1.56E-06
8,570	7.33E-08	5.91E-07	1.31E-06	7.33E-08	5.96E-07	1.30E-06	8.83E-08	7.20E-07	1.56E-06
8,571	7.33E-08	5.91E-07	1.31E-06	7.32E-08	5.96E-07	1.30E-06	8.83E-08	7.20E-07	1.56E-06
8,572	7.33E-08	5.91E-07	1.31E-06	7.32E-08	5.96E-07	1.30E-06	8.82E-08	7.20E-07	1.56E-06
8,573	7.32E-08	5.91E-07	1.31E-06	7.31E-08	5.95E-07	1.30E-06	8.82E-08	7.20E-07	1.56E-06
8,574	7.32E-08	5.90E-07	1.31E-06	7.31E-08	5.95E-07	1.30E-06	8.82E-08	7.20E-07	1.55E-06
8,575	7.32E-08	5.90E-07	1.31E-06	7.31E-08	5.95E-07	1.30E-06	8.80E-08	7.17E-07	1.55E-06
8,576	7.32E-08	5.89E-07	1.31E-06	7.31E-08	5.94E-07	1.30E-06	8.78E-08	7.16E-07	1.55E-06
8,577	7.32E-08	5.89E-07	1.31E-06	7.31E-08	5.93E-07	1.30E-06	8.77E-08	7.16E-07	1.55E-06
8,578	7.31E-08	5.89E-07	1.30E-06	7.30E-08	5.93E-07	1.30E-06	8.77E-08	7.16E-07	1.55E-06
8,579	7.31E-08	5.89E-07	1.30E-06	7.30E-08	5.93E-07	1.30E-06	8.77E-08	7.15E-07	1.55E-06
8,580	7.31E-08	5.89E-07	1.30E-06	7.29E-08	5.93E-07	1.30E-06	8.75E-08	7.15E-07	1.55E-06
8,581	7.31E-08	5.88E-07	1.30E-06	7.29E-08	5.92E-07	1.30E-06	8.75E-08	7.14E-07	1.55E-06
8,582	7.31E-08	5.88E-07	1.30E-06	7.29E-08	5.92E-07	1.30E-06	8.75E-08	7.14E-07	1.55E-06
8,583	7.31E-08	5.88E-07	1.30E-06	7.28E-08	5.91E-07	1.30E-06	8.72E-08	7.14E-07	1.55E-06
8,584	7.30E-08	5.88E-07	1.30E-06	7.27E-08	5.91E-07	1.30E-06	8.71E-08	7.14E-07	1.55E-06
8,585	7.30E-08	5.88E-07	1.30E-06	7.26E-08	5.91E-07	1.29E-06	8.71E-08	7.13E-07	1.55E-06
8,586	7.30E-08	5.87E-07	1.30E-06	7.26E-08	5.90E-07	1.29E-06	8.70E-08	7.13E-07	1.55E-06
8,587	7.30E-08	5.87E-07	1.30E-06	7.26E-08	5.90E-07	1.29E-06	8.70E-08	7.12E-07	1.55E-06
8,588	7.29E-08	5.87E-07	1.30E-06	7.25E-08	5.90E-07	1.29E-06	8.69E-08	7.12E-07	1.55E-06
8,589	7.29E-08	5.86E-07	1.30E-06	7.25E-08	5.90E-07	1.29E-06	8.69E-08	7.10E-07	1.55E-06
8,590	7.28E-08	5.86E-07	1.30E-06	7.24E-08	5.89E-07	1.29E-06	8.68E-08	7.10E-07	1.55E-06
8,591	7.28E-08	5.86E-07	1.30E-06	7.24E-08	5.89E-07	1.29E-06	8.67E-08	7.10E-07	1.55E-06
8,592	7.27E-08	5.85E-07	1.30E-06	7.23E-08	5.89E-07	1.29E-06	8.67E-08	7.09E-07	1.54E-06
8,593	7.26E-08	5.85E-07	1.30E-06	7.23E-08	5.89E-07	1.29E-06	8.66E-08	7.09E-07	1.54E-06
8,594	7.26E-08	5.83E-07	1.30E-06	7.23E-08	5.89E-07	1.29E-06	8.66E-08	7.08E-07	1.54E-06
8,595	7.26E-08	5.83E-07	1.30E-06	7.22E-08	5.89E-07	1.29E-06	8.66E-08	7.08E-07	1.54E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,596	7.26E-08	5.83E-07	1.30E-06	7.22E-08	5.88E-07	1.29E-06	8.66E-08	7.07E-07	1.54E-06
8,597	7.25E-08	5.82E-07	1.30E-06	7.22E-08	5.88E-07	1.29E-06	8.66E-08	7.07E-07	1.54E-06
8,598	7.25E-08	5.82E-07	1.30E-06	7.22E-08	5.88E-07	1.29E-06	8.66E-08	7.06E-07	1.54E-06
8,599	7.25E-08	5.82E-07	1.29E-06	7.22E-08	5.88E-07	1.29E-06	8.65E-08	7.06E-07	1.54E-06
8,600	7.25E-08	5.80E-07	1.29E-06	7.21E-08	5.88E-07	1.29E-06	8.65E-08	7.06E-07	1.54E-06
8,601	7.24E-08	5.80E-07	1.29E-06	7.21E-08	5.87E-07	1.29E-06	8.65E-08	7.06E-07	1.54E-06
8,602	7.24E-08	5.80E-07	1.29E-06	7.20E-08	5.87E-07	1.29E-06	8.65E-08	7.05E-07	1.54E-06
8,603	7.24E-08	5.80E-07	1.29E-06	7.20E-08	5.87E-07	1.29E-06	8.65E-08	7.04E-07	1.54E-06
8,604	7.23E-08	5.80E-07	1.29E-06	7.20E-08	5.86E-07	1.29E-06	8.64E-08	7.04E-07	1.53E-06
8,605	7.23E-08	5.80E-07	1.29E-06	7.19E-08	5.86E-07	1.28E-06	8.64E-08	7.04E-07	1.53E-06
8,606	7.23E-08	5.80E-07	1.29E-06	7.19E-08	5.86E-07	1.28E-06	8.64E-08	7.04E-07	1.53E-06
8,607	7.23E-08	5.79E-07	1.29E-06	7.18E-08	5.85E-07	1.28E-06	8.63E-08	7.03E-07	1.53E-06
8,608	7.23E-08	5.78E-07	1.29E-06	7.18E-08	5.85E-07	1.28E-06	8.63E-08	7.03E-07	1.53E-06
8,609	7.23E-08	5.78E-07	1.28E-06	7.18E-08	5.85E-07	1.28E-06	8.63E-08	7.03E-07	1.53E-06
8,610	7.22E-08	5.78E-07	1.28E-06	7.18E-08	5.85E-07	1.28E-06	8.62E-08	7.03E-07	1.53E-06
8,611	7.22E-08	5.78E-07	1.28E-06	7.17E-08	5.84E-07	1.28E-06	8.61E-08	7.02E-07	1.53E-06
8,612	7.22E-08	5.77E-07	1.28E-06	7.17E-08	5.84E-07	1.28E-06	8.60E-08	7.01E-07	1.53E-06
8,613	7.21E-08	5.77E-07	1.28E-06	7.17E-08	5.83E-07	1.28E-06	8.59E-08	7.01E-07	1.53E-06
8,614	7.21E-08	5.77E-07	1.28E-06	7.17E-08	5.83E-07	1.28E-06	8.59E-08	7.01E-07	1.53E-06
8,615	7.21E-08	5.77E-07	1.28E-06	7.16E-08	5.82E-07	1.28E-06	8.59E-08	7.00E-07	1.52E-06
8,616	7.21E-08	5.77E-07	1.28E-06	7.15E-08	5.82E-07	1.28E-06	8.58E-08	7.00E-07	1.52E-06
8,617	7.21E-08	5.77E-07	1.28E-06	7.15E-08	5.82E-07	1.28E-06	8.57E-08	7.00E-07	1.52E-06
8,618	7.20E-08	5.77E-07	1.28E-06	7.15E-08	5.82E-07	1.28E-06	8.57E-08	7.00E-07	1.52E-06
8,619	7.19E-08	5.76E-07	1.28E-06	7.14E-08	5.82E-07	1.28E-06	8.57E-08	6.99E-07	1.52E-06
8,620	7.19E-08	5.76E-07	1.28E-06	7.14E-08	5.82E-07	1.28E-06	8.56E-08	6.98E-07	1.52E-06
8,621	7.19E-08	5.76E-07	1.28E-06	7.13E-08	5.82E-07	1.28E-06	8.55E-08	6.98E-07	1.52E-06
8,622	7.19E-08	5.76E-07	1.28E-06	7.12E-08	5.81E-07	1.28E-06	8.55E-08	6.98E-07	1.52E-06
8,623	7.16E-08	5.76E-07	1.28E-06	7.12E-08	5.81E-07	1.27E-06	8.55E-08	6.97E-07	1.52E-06
8,624	7.16E-08	5.76E-07	1.28E-06	7.12E-08	5.80E-07	1.27E-06	8.54E-08	6.97E-07	1.52E-06
8,625	7.16E-08	5.75E-07	1.28E-06	7.12E-08	5.80E-07	1.27E-06	8.54E-08	6.97E-07	1.52E-06
8,626	7.15E-08	5.75E-07	1.28E-06	7.11E-08	5.80E-07	1.27E-06	8.53E-08	6.96E-07	1.52E-06
8,627	7.14E-08	5.75E-07	1.28E-06	7.11E-08	5.79E-07	1.27E-06	8.53E-08	6.95E-07	1.52E-06
8,628	7.14E-08	5.75E-07	1.28E-06	7.11E-08	5.79E-07	1.27E-06	8.52E-08	6.94E-07	1.52E-06
8,629	7.14E-08	5.75E-07	1.28E-06	7.10E-08	5.78E-07	1.27E-06	8.52E-08	6.92E-07	1.51E-06
8,630	7.13E-08	5.75E-07	1.28E-06	7.09E-08	5.78E-07	1.27E-06	8.51E-08	6.92E-07	1.51E-06
8,631	7.12E-08	5.74E-07	1.28E-06	7.08E-08	5.78E-07	1.27E-06	8.51E-08	6.92E-07	1.51E-06
8,632	7.12E-08	5.74E-07	1.28E-06	7.08E-08	5.78E-07	1.27E-06	8.51E-08	6.91E-07	1.51E-06
8,633	7.12E-08	5.73E-07	1.28E-06	7.08E-08	5.78E-07	1.27E-06	8.50E-08	6.91E-07	1.51E-06
8,634	7.12E-08	5.73E-07	1.27E-06	7.08E-08	5.78E-07	1.27E-06	8.49E-08	6.90E-07	1.51E-06
8,635	7.12E-08	5.73E-07	1.27E-06	7.06E-08	5.77E-07	1.27E-06	8.48E-08	6.89E-07	1.51E-06
8,636	7.10E-08	5.73E-07	1.27E-06	7.06E-08	5.77E-07	1.27E-06	8.48E-08	6.89E-07	1.51E-06
8,637	7.10E-08	5.72E-07	1.27E-06	7.06E-08	5.77E-07	1.27E-06	8.47E-08	6.89E-07	1.51E-06
8,638	7.09E-08	5.72E-07	1.27E-06	7.05E-08	5.77E-07	1.27E-06	8.47E-08	6.88E-07	1.51E-06
8,639	7.09E-08	5.72E-07	1.27E-06	7.05E-08	5.77E-07	1.27E-06	8.46E-08	6.88E-07	1.51E-06
8,640	7.09E-08	5.72E-07	1.27E-06	7.05E-08	5.76E-07	1.27E-06	8.44E-08	6.87E-07	1.50E-06
8,641	7.08E-08	5.70E-07	1.27E-06	7.05E-08	5.76E-07	1.26E-06	8.44E-08	6.87E-07	1.50E-06
8,642	7.08E-08	5.69E-07	1.27E-06	7.05E-08	5.76E-07	1.26E-06	8.44E-08	6.87E-07	1.50E-06
8,643	7.08E-08	5.69E-07	1.27E-06	7.05E-08	5.76E-07	1.26E-06	8.44E-08	6.86E-07	1.50E-06
8,644	7.08E-08	5.69E-07	1.27E-06	7.04E-08	5.76E-07	1.26E-06	8.43E-08	6.86E-07	1.50E-06
8,645	7.08E-08	5.69E-07	1.27E-06	7.04E-08	5.75E-07	1.26E-06	8.43E-08	6.85E-07	1.50E-06
8,646	7.06E-08	5.69E-07	1.27E-06	7.04E-08	5.75E-07	1.26E-06	8.42E-08	6.85E-07	1.50E-06
8,647	7.06E-08	5.69E-07	1.27E-06	7.04E-08	5.75E-07	1.26E-06	8.42E-08	6.85E-07	1.50E-06
8,648	7.06E-08	5.68E-07	1.27E-06	7.03E-08	5.75E-07	1.26E-06	8.42E-08	6.85E-07	1.50E-06
8,649	7.06E-08	5.68E-07	1.27E-06	7.03E-08	5.75E-07	1.26E-06	8.42E-08	6.84E-07	1.50E-06
8,650	7.06E-08	5.68E-07	1.27E-06	7.02E-08	5.75E-07	1.26E-06	8.41E-08	6.84E-07	1.49E-06
8,651	7.05E-08	5.68E-07	1.26E-06	7.02E-08	5.74E-07	1.26E-06	8.41E-08	6.84E-07	1.49E-06
8,652	7.05E-08	5.68E-07	1.26E-06	7.01E-08	5.74E-07	1.26E-06	8.41E-08	6.84E-07	1.49E-06
8,653	7.04E-08	5.68E-07	1.26E-06	6.99E-08	5.73E-07	1.26E-06	8.39E-08	6.84E-07	1.49E-06
8,654	7.04E-08	5.68E-07	1.26E-06	6.99E-08	5.73E-07	1.26E-06	8.38E-08	6.82E-07	1.49E-06
8,655	7.04E-08	5.67E-07	1.26E-06	6.99E-08	5.73E-07	1.26E-06	8.38E-08	6.82E-07	1.49E-06
8,656	7.03E-08	5.67E-07	1.26E-06	6.99E-08	5.73E-07	1.26E-06	8.38E-08	6.82E-07	1.49E-06
8,657	7.03E-08	5.67E-07	1.26E-06	6.99E-08	5.72E-07	1.26E-06	8.37E-08	6.81E-07	1.49E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,658	7.02E-08	5.66E-07	1.26E-06	6.98E-08	5.72E-07	1.26E-06	8.37E-08	6.81E-07	1.49E-06
8,659	7.02E-08	5.66E-07	1.26E-06	6.98E-08	5.71E-07	1.26E-06	8.36E-08	6.80E-07	1.49E-06
8,660	7.01E-08	5.66E-07	1.26E-06	6.98E-08	5.71E-07	1.26E-06	8.36E-08	6.78E-07	1.49E-06
8,661	7.00E-08	5.66E-07	1.26E-06	6.98E-08	5.71E-07	1.26E-06	8.36E-08	6.76E-07	1.49E-06
8,662	7.00E-08	5.66E-07	1.26E-06	6.98E-08	5.70E-07	1.25E-06	8.36E-08	6.75E-07	1.49E-06
8,663	7.00E-08	5.65E-07	1.26E-06	6.98E-08	5.70E-07	1.25E-06	8.35E-08	6.75E-07	1.49E-06
8,664	6.99E-08	5.65E-07	1.26E-06	6.97E-08	5.70E-07	1.25E-06	8.35E-08	6.75E-07	1.49E-06
8,665	6.99E-08	5.64E-07	1.25E-06	6.97E-08	5.70E-07	1.25E-06	8.34E-08	6.75E-07	1.49E-06
8,666	6.99E-08	5.64E-07	1.25E-06	6.97E-08	5.69E-07	1.25E-06	8.34E-08	6.74E-07	1.49E-06
8,667	6.98E-08	5.64E-07	1.25E-06	6.96E-08	5.68E-07	1.25E-06	8.33E-08	6.74E-07	1.49E-06
8,668	6.98E-08	5.64E-07	1.25E-06	6.96E-08	5.68E-07	1.25E-06	8.33E-08	6.74E-07	1.49E-06
8,669	6.98E-08	5.63E-07	1.25E-06	6.96E-08	5.67E-07	1.25E-06	8.32E-08	6.73E-07	1.48E-06
8,670	6.97E-08	5.63E-07	1.25E-06	6.95E-08	5.67E-07	1.25E-06	8.32E-08	6.73E-07	1.48E-06
8,671	6.97E-08	5.63E-07	1.25E-06	6.94E-08	5.67E-07	1.25E-06	8.31E-08	6.72E-07	1.48E-06
8,672	6.96E-08	5.63E-07	1.25E-06	6.94E-08	5.66E-07	1.25E-06	8.31E-08	6.72E-07	1.48E-06
8,673	6.95E-08	5.63E-07	1.25E-06	6.94E-08	5.66E-07	1.25E-06	8.31E-08	6.72E-07	1.48E-06
8,674	6.95E-08	5.63E-07	1.25E-06	6.93E-08	5.66E-07	1.25E-06	8.30E-08	6.72E-07	1.48E-06
8,675	6.94E-08	5.62E-07	1.25E-06	6.93E-08	5.66E-07	1.25E-06	8.29E-08	6.72E-07	1.48E-06
8,676	6.94E-08	5.62E-07	1.25E-06	6.93E-08	5.66E-07	1.25E-06	8.28E-08	6.71E-07	1.48E-06
8,677	6.94E-08	5.62E-07	1.25E-06	6.93E-08	5.66E-07	1.25E-06	8.27E-08	6.71E-07	1.48E-06
8,678	6.94E-08	5.62E-07	1.25E-06	6.93E-08	5.66E-07	1.25E-06	8.26E-08	6.71E-07	1.48E-06
8,679	6.93E-08	5.61E-07	1.25E-06	6.93E-08	5.65E-07	1.24E-06	8.26E-08	6.70E-07	1.48E-06
8,680	6.91E-08	5.61E-07	1.25E-06	6.92E-08	5.65E-07	1.24E-06	8.26E-08	6.69E-07	1.48E-06
8,681	6.91E-08	5.60E-07	1.25E-06	6.92E-08	5.65E-07	1.24E-06	8.26E-08	6.69E-07	1.48E-06
8,682	6.91E-08	5.60E-07	1.25E-06	6.92E-08	5.65E-07	1.24E-06	8.26E-08	6.68E-07	1.48E-06
8,683	6.91E-08	5.60E-07	1.25E-06	6.91E-08	5.64E-07	1.24E-06	8.24E-08	6.68E-07	1.48E-06
8,684	6.91E-08	5.60E-07	1.24E-06	6.90E-08	5.64E-07	1.24E-06	8.24E-08	6.68E-07	1.48E-06
8,685	6.90E-08	5.59E-07	1.24E-06	6.89E-08	5.64E-07	1.24E-06	8.22E-08	6.67E-07	1.47E-06
8,686	6.90E-08	5.59E-07	1.24E-06	6.89E-08	5.63E-07	1.24E-06	8.22E-08	6.67E-07	1.47E-06
8,687	6.90E-08	5.59E-07	1.24E-06	6.89E-08	5.63E-07	1.24E-06	8.22E-08	6.66E-07	1.47E-06
8,688	6.90E-08	5.59E-07	1.24E-06	6.88E-08	5.63E-07	1.24E-06	8.21E-08	6.66E-07	1.47E-06
8,689	6.90E-08	5.58E-07	1.24E-06	6.88E-08	5.63E-07	1.24E-06	8.21E-08	6.66E-07	1.47E-06
8,690	6.90E-08	5.58E-07	1.24E-06	6.88E-08	5.62E-07	1.24E-06	8.20E-08	6.65E-07	1.47E-06
8,691	6.90E-08	5.58E-07	1.24E-06	6.87E-08	5.62E-07	1.24E-06	8.20E-08	6.65E-07	1.47E-06
8,692	6.90E-08	5.58E-07	1.24E-06	6.87E-08	5.62E-07	1.24E-06	8.20E-08	6.65E-07	1.47E-06
8,693	6.89E-08	5.57E-07	1.24E-06	6.86E-08	5.62E-07	1.24E-06	8.19E-08	6.65E-07	1.47E-06
8,694	6.89E-08	5.57E-07	1.24E-06	6.86E-08	5.62E-07	1.24E-06	8.16E-08	6.64E-07	1.47E-06
8,695	6.89E-08	5.57E-07	1.24E-06	6.86E-08	5.62E-07	1.24E-06	8.16E-08	6.64E-07	1.47E-06
8,696	6.88E-08	5.57E-07	1.24E-06	6.86E-08	5.62E-07	1.24E-06	8.16E-08	6.64E-07	1.47E-06
8,697	6.88E-08	5.57E-07	1.24E-06	6.85E-08	5.61E-07	1.24E-06	8.15E-08	6.63E-07	1.47E-06
8,698	6.88E-08	5.56E-07	1.24E-06	6.84E-08	5.61E-07	1.23E-06	8.14E-08	6.63E-07	1.47E-06
8,699	6.88E-08	5.56E-07	1.24E-06	6.84E-08	5.61E-07	1.23E-06	8.14E-08	6.63E-07	1.47E-06
8,700	6.88E-08	5.56E-07	1.24E-06	6.84E-08	5.60E-07	1.23E-06	8.13E-08	6.62E-07	1.46E-06
8,701	6.87E-08	5.55E-07	1.24E-06	6.84E-08	5.60E-07	1.23E-06	8.13E-08	6.62E-07	1.46E-06
8,702	6.87E-08	5.55E-07	1.24E-06	6.84E-08	5.60E-07	1.23E-06	8.13E-08	6.62E-07	1.46E-06
8,703	6.87E-08	5.54E-07	1.24E-06	6.84E-08	5.60E-07	1.23E-06	8.13E-08	6.61E-07	1.46E-06
8,704	6.87E-08	5.54E-07	1.23E-06	6.83E-08	5.60E-07	1.23E-06	8.13E-08	6.61E-07	1.46E-06
8,705	6.86E-08	5.54E-07	1.23E-06	6.83E-08	5.59E-07	1.23E-06	8.12E-08	6.61E-07	1.46E-06
8,706	6.86E-08	5.54E-07	1.23E-06	6.83E-08	5.59E-07	1.23E-06	8.12E-08	6.61E-07	1.46E-06
8,707	6.86E-08	5.54E-07	1.23E-06	6.83E-08	5.59E-07	1.23E-06	8.12E-08	6.60E-07	1.46E-06
8,708	6.86E-08	5.53E-07	1.23E-06	6.83E-08	5.59E-07	1.23E-06	8.11E-08	6.60E-07	1.46E-06
8,709	6.85E-08	5.53E-07	1.23E-06	6.83E-08	5.59E-07	1.23E-06	8.11E-08	6.60E-07	1.46E-06
8,710	6.85E-08	5.52E-07	1.23E-06	6.82E-08	5.59E-07	1.23E-06	8.11E-08	6.60E-07	1.46E-06
8,711	6.85E-08	5.52E-07	1.23E-06	6.82E-08	5.58E-07	1.23E-06	8.11E-08	6.59E-07	1.46E-06
8,712	6.84E-08	5.52E-07	1.23E-06	6.82E-08	5.58E-07	1.23E-06	8.11E-08	6.59E-07	1.46E-06
8,713	6.84E-08	5.52E-07	1.23E-06	6.81E-08	5.58E-07	1.23E-06	8.10E-08	6.59E-07	1.46E-06
8,714	6.83E-08	5.52E-07	1.23E-06	6.81E-08	5.58E-07	1.23E-06	8.09E-08	6.59E-07	1.46E-06
8,715	6.83E-08	5.51E-07	1.23E-06	6.81E-08	5.58E-07	1.23E-06	8.09E-08	6.57E-07	1.45E-06
8,716	6.81E-08	5.51E-07	1.23E-06	6.80E-08	5.57E-07	1.22E-06	8.08E-08	6.57E-07	1.45E-06
8,717	6.81E-08	5.51E-07	1.23E-06	6.80E-08	5.57E-07	1.22E-06	8.08E-08	6.57E-07	1.45E-06
8,718	6.81E-08	5.51E-07	1.23E-06	6.80E-08	5.57E-07	1.22E-06	8.08E-08	6.57E-07	1.45E-06
8,719	6.81E-08	5.51E-07	1.23E-06	6.80E-08	5.57E-07	1.22E-06	8.08E-08	6.56E-07	1.45E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,720	6.81E-08	5.51E-07	1.23E-06	6.79E-08	5.57E-07	1.22E-06	8.07E-08	6.55E-07	1.45E-06
8,721	6.80E-08	5.51E-07	1.23E-06	6.79E-08	5.56E-07	1.22E-06	8.07E-08	6.55E-07	1.45E-06
8,722	6.80E-08	5.51E-07	1.23E-06	6.79E-08	5.56E-07	1.22E-06	8.06E-08	6.55E-07	1.45E-06
8,723	6.80E-08	5.51E-07	1.23E-06	6.78E-08	5.56E-07	1.22E-06	8.05E-08	6.55E-07	1.45E-06
8,724	6.80E-08	5.50E-07	1.22E-06	6.78E-08	5.55E-07	1.22E-06	8.04E-08	6.55E-07	1.45E-06
8,725	6.80E-08	5.50E-07	1.22E-06	6.78E-08	5.55E-07	1.22E-06	8.02E-08	6.55E-07	1.45E-06
8,726	6.80E-08	5.50E-07	1.22E-06	6.77E-08	5.55E-07	1.22E-06	8.02E-08	6.54E-07	1.45E-06
8,727	6.79E-08	5.50E-07	1.22E-06	6.76E-08	5.55E-07	1.22E-06	8.02E-08	6.54E-07	1.45E-06
8,728	6.79E-08	5.50E-07	1.22E-06	6.75E-08	5.55E-07	1.22E-06	8.02E-08	6.54E-07	1.44E-06
8,729	6.78E-08	5.50E-07	1.22E-06	6.75E-08	5.55E-07	1.22E-06	8.02E-08	6.54E-07	1.44E-06
8,730	6.78E-08	5.50E-07	1.22E-06	6.75E-08	5.54E-07	1.22E-06	8.02E-08	6.53E-07	1.44E-06
8,731	6.77E-08	5.49E-07	1.22E-06	6.74E-08	5.53E-07	1.22E-06	8.01E-08	6.53E-07	1.44E-06
8,732	6.77E-08	5.49E-07	1.22E-06	6.74E-08	5.53E-07	1.22E-06	8.01E-08	6.53E-07	1.44E-06
8,733	6.77E-08	5.49E-07	1.22E-06	6.74E-08	5.53E-07	1.22E-06	8.01E-08	6.53E-07	1.44E-06
8,734	6.77E-08	5.49E-07	1.22E-06	6.73E-08	5.53E-07	1.22E-06	8.00E-08	6.52E-07	1.44E-06
8,735	6.76E-08	5.49E-07	1.22E-06	6.73E-08	5.53E-07	1.22E-06	8.00E-08	6.52E-07	1.44E-06
8,736	6.76E-08	5.49E-07	1.22E-06	6.73E-08	5.52E-07	1.22E-06	7.99E-08	6.51E-07	1.44E-06
8,737	6.75E-08	5.49E-07	1.22E-06	6.73E-08	5.52E-07	1.21E-06	7.98E-08	6.51E-07	1.44E-06
8,738	6.75E-08	5.48E-07	1.22E-06	6.72E-08	5.52E-07	1.21E-06	7.98E-08	6.50E-07	1.44E-06
8,739	6.75E-08	5.48E-07	1.22E-06	6.72E-08	5.52E-07	1.21E-06	7.97E-08	6.50E-07	1.44E-06
8,740	6.75E-08	5.48E-07	1.22E-06	6.71E-08	5.52E-07	1.21E-06	7.97E-08	6.49E-07	1.44E-06
8,741	6.75E-08	5.48E-07	1.22E-06	6.71E-08	5.51E-07	1.21E-06	7.97E-08	6.49E-07	1.44E-06
8,742	6.74E-08	5.48E-07	1.22E-06	6.70E-08	5.50E-07	1.21E-06	7.97E-08	6.49E-07	1.44E-06
8,743	6.74E-08	5.47E-07	1.22E-06	6.70E-08	5.50E-07	1.21E-06	7.96E-08	6.49E-07	1.44E-06
8,744	6.74E-08	5.46E-07	1.22E-06	6.70E-08	5.49E-07	1.21E-06	7.95E-08	6.49E-07	1.43E-06
8,745	6.73E-08	5.46E-07	1.22E-06	6.69E-08	5.49E-07	1.21E-06	7.95E-08	6.49E-07	1.43E-06
8,746	6.73E-08	5.46E-07	1.21E-06	6.69E-08	5.49E-07	1.21E-06	7.95E-08	6.48E-07	1.43E-06
8,747	6.72E-08	5.46E-07	1.21E-06	6.69E-08	5.49E-07	1.21E-06	7.95E-08	6.48E-07	1.43E-06
8,748	6.72E-08	5.45E-07	1.21E-06	6.69E-08	5.48E-07	1.21E-06	7.94E-08	6.48E-07	1.43E-06
8,749	6.72E-08	5.44E-07	1.21E-06	6.69E-08	5.48E-07	1.21E-06	7.94E-08	6.48E-07	1.43E-06
8,750	6.70E-08	5.43E-07	1.21E-06	6.68E-08	5.48E-07	1.21E-06	7.93E-08	6.47E-07	1.43E-06
8,751	6.70E-08	5.43E-07	1.21E-06	6.68E-08	5.47E-07	1.20E-06	7.93E-08	6.47E-07	1.43E-06
8,752	6.70E-08	5.42E-07	1.21E-06	6.68E-08	5.47E-07	1.20E-06	7.93E-08	6.47E-07	1.43E-06
8,753	6.70E-08	5.42E-07	1.21E-06	6.67E-08	5.46E-07	1.20E-06	7.93E-08	6.47E-07	1.43E-06
8,754	6.69E-08	5.41E-07	1.21E-06	6.67E-08	5.46E-07	1.20E-06	7.92E-08	6.46E-07	1.43E-06
8,755	6.68E-08	5.41E-07	1.21E-06	6.66E-08	5.45E-07	1.20E-06	7.92E-08	6.45E-07	1.43E-06
8,756	6.68E-08	5.41E-07	1.21E-06	6.66E-08	5.45E-07	1.20E-06	7.92E-08	6.45E-07	1.43E-06
8,757	6.68E-08	5.40E-07	1.21E-06	6.65E-08	5.45E-07	1.20E-06	7.92E-08	6.45E-07	1.43E-06
8,758	6.68E-08	5.40E-07	1.21E-06	6.65E-08	5.44E-07	1.20E-06	7.92E-08	6.45E-07	1.43E-06
8,759	6.68E-08	5.39E-07	1.21E-06	6.65E-08	5.43E-07	1.20E-06	7.91E-08	6.44E-07	1.43E-06
8,760	6.67E-08	5.39E-07	1.21E-06	6.65E-08	5.43E-07	1.20E-06	7.90E-08	6.44E-07	1.42E-06
8,761	6.66E-08	5.39E-07	1.21E-06	6.64E-08	5.43E-07	1.20E-06	7.90E-08	6.44E-07	1.42E-06
8,762	6.66E-08	5.39E-07	1.21E-06	6.64E-08	5.43E-07	1.20E-06	7.90E-08	6.43E-07	1.42E-06
8,763	6.66E-08	5.39E-07	1.20E-06	6.64E-08	5.43E-07	1.20E-06	7.90E-08	6.43E-07	1.42E-06
8,764	6.65E-08	5.38E-07	1.20E-06	6.63E-08	5.43E-07	1.20E-06	7.89E-08	6.43E-07	1.42E-06
8,765	6.64E-08	5.38E-07	1.20E-06	6.63E-08	5.43E-07	1.20E-06	7.89E-08	6.43E-07	1.42E-06
8,766	6.64E-08	5.38E-07	1.20E-06	6.63E-08	5.42E-07	1.20E-06	7.89E-08	6.43E-07	1.42E-06
8,767	6.63E-08	5.38E-07	1.20E-06	6.63E-08	5.42E-07	1.20E-06	7.89E-08	6.43E-07	1.42E-06
8,768	6.63E-08	5.38E-07	1.20E-06	6.62E-08	5.42E-07	1.19E-06	7.88E-08	6.42E-07	1.42E-06
8,769	6.63E-08	5.37E-07	1.20E-06	6.62E-08	5.41E-07	1.19E-06	7.88E-08	6.42E-07	1.42E-06
8,770	6.63E-08	5.37E-07	1.20E-06	6.61E-08	5.41E-07	1.19E-06	7.88E-08	6.42E-07	1.42E-06
8,771	6.62E-08	5.37E-07	1.20E-06	6.61E-08	5.40E-07	1.19E-06	7.87E-08	6.41E-07	1.42E-06
8,772	6.62E-08	5.37E-07	1.20E-06	6.61E-08	5.40E-07	1.19E-06	7.87E-08	6.40E-07	1.42E-06
8,773	6.62E-08	5.37E-07	1.20E-06	6.61E-08	5.40E-07	1.19E-06	7.86E-08	6.40E-07	1.42E-06
8,774	6.61E-08	5.36E-07	1.20E-06	6.61E-08	5.40E-07	1.19E-06	7.86E-08	6.40E-07	1.41E-06
8,775	6.61E-08	5.36E-07	1.20E-06	6.61E-08	5.40E-07	1.19E-06	7.86E-08	6.39E-07	1.41E-06
8,776	6.60E-08	5.36E-07	1.20E-06	6.61E-08	5.39E-07	1.19E-06	7.86E-08	6.39E-07	1.41E-06
8,777	6.59E-08	5.36E-07	1.20E-06	6.60E-08	5.39E-07	1.19E-06	7.86E-08	6.38E-07	1.41E-06
8,778	6.59E-08	5.36E-07	1.19E-06	6.60E-08	5.39E-07	1.19E-06	7.85E-08	6.38E-07	1.41E-06
8,779	6.59E-08	5.35E-07	1.19E-06	6.59E-08	5.38E-07	1.19E-06	7.85E-08	6.38E-07	1.41E-06
8,780	6.59E-08	5.35E-07	1.19E-06	6.58E-08	5.38E-07	1.19E-06	7.85E-08	6.38E-07	1.41E-06
8,781	6.59E-08	5.35E-07	1.19E-06	6.58E-08	5.38E-07	1.19E-06	7.85E-08	6.37E-07	1.41E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,782	6.59E-08	5.35E-07	1.19E-06	6.56E-08	5.38E-07	1.19E-06	7.83E-08	6.37E-07	1.41E-06
8,783	6.58E-08	5.34E-07	1.19E-06	6.55E-08	5.38E-07	1.19E-06	7.83E-08	6.37E-07	1.41E-06
8,784	6.58E-08	5.34E-07	1.19E-06	6.55E-08	5.37E-07	1.19E-06	7.83E-08	6.37E-07	1.41E-06
8,785	6.57E-08	5.34E-07	1.19E-06	6.55E-08	5.37E-07	1.19E-06	7.82E-08	6.37E-07	1.41E-06
8,786	6.56E-08	5.33E-07	1.19E-06	6.54E-08	5.37E-07	1.19E-06	7.82E-08	6.37E-07	1.41E-06
8,787	6.56E-08	5.33E-07	1.19E-06	6.54E-08	5.37E-07	1.18E-06	7.82E-08	6.36E-07	1.41E-06
8,788	6.56E-08	5.33E-07	1.19E-06	6.54E-08	5.37E-07	1.18E-06	7.81E-08	6.36E-07	1.40E-06
8,789	6.56E-08	5.33E-07	1.19E-06	6.53E-08	5.37E-07	1.18E-06	7.81E-08	6.35E-07	1.40E-06
8,790	6.55E-08	5.33E-07	1.18E-06	6.53E-08	5.37E-07	1.18E-06	7.81E-08	6.35E-07	1.40E-06
8,791	6.55E-08	5.32E-07	1.18E-06	6.52E-08	5.36E-07	1.18E-06	7.80E-08	6.34E-07	1.40E-06
8,792	6.54E-08	5.32E-07	1.18E-06	6.52E-08	5.36E-07	1.18E-06	7.80E-08	6.34E-07	1.40E-06
8,793	6.53E-08	5.31E-07	1.18E-06	6.51E-08	5.36E-07	1.18E-06	7.80E-08	6.34E-07	1.40E-06
8,794	6.53E-08	5.31E-07	1.18E-06	6.51E-08	5.35E-07	1.18E-06	7.80E-08	6.34E-07	1.40E-06
8,795	6.53E-08	5.30E-07	1.18E-06	6.51E-08	5.34E-07	1.18E-06	7.80E-08	6.34E-07	1.40E-06
8,796	6.53E-08	5.30E-07	1.18E-06	6.50E-08	5.34E-07	1.18E-06	7.80E-08	6.33E-07	1.40E-06
8,797	6.52E-08	5.30E-07	1.18E-06	6.50E-08	5.34E-07	1.18E-06	7.79E-08	6.33E-07	1.40E-06
8,798	6.52E-08	5.29E-07	1.18E-06	6.50E-08	5.33E-07	1.18E-06	7.78E-08	6.33E-07	1.40E-06
8,799	6.52E-08	5.29E-07	1.18E-06	6.50E-08	5.32E-07	1.18E-06	7.78E-08	6.32E-07	1.40E-06
8,800	6.52E-08	5.29E-07	1.18E-06	6.49E-08	5.32E-07	1.18E-06	7.78E-08	6.31E-07	1.39E-06
8,801	6.51E-08	5.29E-07	1.18E-06	6.49E-08	5.32E-07	1.18E-06	7.78E-08	6.31E-07	1.39E-06
8,802	6.51E-08	5.29E-07	1.18E-06	6.49E-08	5.31E-07	1.18E-06	7.77E-08	6.30E-07	1.39E-06
8,803	6.51E-08	5.28E-07	1.18E-06	6.49E-08	5.31E-07	1.18E-06	7.77E-08	6.30E-07	1.39E-06
8,804	6.51E-08	5.28E-07	1.18E-06	6.49E-08	5.31E-07	1.18E-06	7.77E-08	6.30E-07	1.39E-06
8,805	6.51E-08	5.28E-07	1.18E-06	6.48E-08	5.31E-07	1.17E-06	7.77E-08	6.30E-07	1.39E-06
8,806	6.50E-08	5.28E-07	1.18E-06	6.48E-08	5.31E-07	1.17E-06	7.76E-08	6.30E-07	1.39E-06
8,807	6.50E-08	5.28E-07	1.18E-06	6.47E-08	5.30E-07	1.17E-06	7.75E-08	6.29E-07	1.39E-06
8,808	6.49E-08	5.28E-07	1.18E-06	6.46E-08	5.30E-07	1.17E-06	7.75E-08	6.29E-07	1.39E-06
8,809	6.49E-08	5.28E-07	1.17E-06	6.46E-08	5.30E-07	1.17E-06	7.75E-08	6.29E-07	1.39E-06
8,810	6.48E-08	5.27E-07	1.17E-06	6.45E-08	5.29E-07	1.17E-06	7.74E-08	6.29E-07	1.39E-06
8,811	6.48E-08	5.26E-07	1.17E-06	6.45E-08	5.29E-07	1.17E-06	7.74E-08	6.29E-07	1.39E-06
8,812	6.48E-08	5.26E-07	1.17E-06	6.45E-08	5.29E-07	1.17E-06	7.74E-08	6.28E-07	1.39E-06
8,813	6.48E-08	5.25E-07	1.17E-06	6.45E-08	5.29E-07	1.17E-06	7.74E-08	6.28E-07	1.39E-06
8,814	6.47E-08	5.25E-07	1.17E-06	6.44E-08	5.28E-07	1.17E-06	7.73E-08	6.27E-07	1.39E-06
8,815	6.47E-08	5.25E-07	1.17E-06	6.44E-08	5.28E-07	1.17E-06	7.73E-08	6.27E-07	1.39E-06
8,816	6.46E-08	5.25E-07	1.17E-06	6.44E-08	5.27E-07	1.17E-06	7.71E-08	6.26E-07	1.39E-06
8,817	6.46E-08	5.25E-07	1.17E-06	6.44E-08	5.27E-07	1.16E-06	7.71E-08	6.26E-07	1.39E-06
8,818	6.45E-08	5.25E-07	1.17E-06	6.43E-08	5.27E-07	1.16E-06	7.71E-08	6.25E-07	1.39E-06
8,819	6.45E-08	5.25E-07	1.17E-06	6.43E-08	5.27E-07	1.16E-06	7.71E-08	6.25E-07	1.39E-06
8,820	6.45E-08	5.25E-07	1.17E-06	6.43E-08	5.26E-07	1.16E-06	7.70E-08	6.23E-07	1.39E-06
8,821	6.44E-08	5.24E-07	1.17E-06	6.43E-08	5.25E-07	1.16E-06	7.69E-08	6.23E-07	1.39E-06
8,822	6.44E-08	5.24E-07	1.17E-06	6.42E-08	5.25E-07	1.16E-06	7.69E-08	6.22E-07	1.39E-06
8,823	6.44E-08	5.24E-07	1.17E-06	6.41E-08	5.25E-07	1.16E-06	7.69E-08	6.22E-07	1.39E-06
8,824	6.43E-08	5.24E-07	1.17E-06	6.41E-08	5.23E-07	1.16E-06	7.68E-08	6.21E-07	1.38E-06
8,825	6.42E-08	5.23E-07	1.17E-06	6.41E-08	5.23E-07	1.16E-06	7.68E-08	6.21E-07	1.38E-06
8,826	6.42E-08	5.23E-07	1.17E-06	6.41E-08	5.23E-07	1.16E-06	7.68E-08	6.19E-07	1.38E-06
8,827	6.42E-08	5.22E-07	1.17E-06	6.41E-08	5.23E-07	1.16E-06	7.66E-08	6.19E-07	1.38E-06
8,828	6.42E-08	5.22E-07	1.16E-06	6.40E-08	5.23E-07	1.16E-06	7.66E-08	6.18E-07	1.38E-06
8,829	6.41E-08	5.21E-07	1.16E-06	6.40E-08	5.23E-07	1.16E-06	7.66E-08	6.18E-07	1.38E-06
8,830	6.41E-08	5.21E-07	1.16E-06	6.40E-08	5.23E-07	1.16E-06	7.66E-08	6.18E-07	1.38E-06
8,831	6.41E-08	5.21E-07	1.16E-06	6.40E-08	5.23E-07	1.16E-06	7.64E-08	6.17E-07	1.38E-06
8,832	6.41E-08	5.21E-07	1.16E-06	6.39E-08	5.23E-07	1.16E-06	7.64E-08	6.16E-07	1.38E-06
8,833	6.41E-08	5.20E-07	1.16E-06	6.39E-08	5.22E-07	1.16E-06	7.63E-08	6.16E-07	1.38E-06
8,834	6.39E-08	5.20E-07	1.16E-06	6.39E-08	5.22E-07	1.15E-06	7.62E-08	6.15E-07	1.38E-06
8,835	6.39E-08	5.20E-07	1.16E-06	6.39E-08	5.22E-07	1.15E-06	7.61E-08	6.15E-07	1.38E-06
8,836	6.39E-08	5.20E-07	1.16E-06	6.39E-08	5.22E-07	1.15E-06	7.61E-08	6.15E-07	1.38E-06
8,837	6.39E-08	5.20E-07	1.16E-06	6.38E-08	5.22E-07	1.15E-06	7.61E-08	6.15E-07	1.38E-06
8,838	6.38E-08	5.20E-07	1.16E-06	6.38E-08	5.22E-07	1.15E-06	7.61E-08	6.15E-07	1.38E-06
8,839	6.38E-08	5.19E-07	1.16E-06	6.38E-08	5.21E-07	1.15E-06	7.61E-08	6.14E-07	1.38E-06
8,840	6.38E-08	5.18E-07	1.16E-06	6.38E-08	5.21E-07	1.15E-06	7.61E-08	6.14E-07	1.38E-06
8,841	6.38E-08	5.18E-07	1.16E-06	6.38E-08	5.21E-07	1.15E-06	7.60E-08	6.13E-07	1.38E-06
8,842	6.37E-08	5.17E-07	1.16E-06	6.38E-08	5.21E-07	1.15E-06	7.60E-08	6.13E-07	1.37E-06
8,843	6.37E-08	5.17E-07	1.16E-06	6.37E-08	5.21E-07	1.15E-06	7.60E-08	6.12E-07	1.37E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,844	6.37E-08	5.17E-07	1.15E-06	6.37E-08	5.21E-07	1.15E-06	7.60E-08	6.12E-07	1.37E-06
8,845	6.35E-08	5.17E-07	1.15E-06	6.37E-08	5.20E-07	1.15E-06	7.59E-08	6.12E-07	1.37E-06
8,846	6.35E-08	5.17E-07	1.15E-06	6.37E-08	5.20E-07	1.15E-06	7.59E-08	6.11E-07	1.37E-06
8,847	6.35E-08	5.16E-07	1.15E-06	6.37E-08	5.20E-07	1.15E-06	7.59E-08	6.11E-07	1.37E-06
8,848	6.35E-08	5.16E-07	1.15E-06	6.36E-08	5.19E-07	1.15E-06	7.58E-08	6.11E-07	1.37E-06
8,849	6.34E-08	5.16E-07	1.15E-06	6.36E-08	5.19E-07	1.15E-06	7.58E-08	6.11E-07	1.37E-06
8,850	6.32E-08	5.16E-07	1.15E-06	6.36E-08	5.19E-07	1.14E-06	7.57E-08	6.10E-07	1.37E-06
8,851	6.32E-08	5.15E-07	1.15E-06	6.35E-08	5.19E-07	1.14E-06	7.56E-08	6.10E-07	1.37E-06
8,852	6.31E-08	5.15E-07	1.15E-06	6.35E-08	5.19E-07	1.14E-06	7.56E-08	6.10E-07	1.37E-06
8,853	6.31E-08	5.15E-07	1.15E-06	6.34E-08	5.19E-07	1.14E-06	7.54E-08	6.09E-07	1.37E-06
8,854	6.31E-08	5.14E-07	1.15E-06	6.34E-08	5.18E-07	1.14E-06	7.53E-08	6.09E-07	1.37E-06
8,855	6.31E-08	5.14E-07	1.15E-06	6.34E-08	5.17E-07	1.14E-06	7.52E-08	6.09E-07	1.36E-06
8,856	6.30E-08	5.14E-07	1.15E-06	6.34E-08	5.14E-07	1.14E-06	7.52E-08	6.09E-07	1.36E-06
8,857	6.30E-08	5.14E-07	1.15E-06	6.33E-08	5.16E-07	1.14E-06	7.51E-08	6.09E-07	1.36E-06
8,858	6.29E-08	5.13E-07	1.15E-06	6.32E-08	5.16E-07	1.14E-06	7.51E-08	6.09E-07	1.36E-06
8,859	6.29E-08	5.13E-07	1.15E-06	6.31E-08	5.16E-07	1.14E-06	7.49E-08	6.08E-07	1.36E-06
8,860	6.29E-08	5.13E-07	1.15E-06	6.31E-08	5.16E-07	1.14E-06	7.47E-08	6.08E-07	1.36E-06
8,861	6.27E-08	5.12E-07	1.15E-06	6.31E-08	5.15E-07	1.14E-06	7.47E-08	6.08E-07	1.36E-06
8,862	6.27E-08	5.12E-07	1.15E-06	6.30E-08	5.14E-07	1.14E-06	7.46E-08	6.08E-07	1.36E-06
8,863	6.27E-08	5.12E-07	1.14E-06	6.30E-08	5.14E-07	1.14E-06	7.46E-08	6.06E-07	1.36E-06
8,864	6.26E-08	5.11E-07	1.14E-06	6.29E-08	5.14E-07	1.14E-06	7.46E-08	6.06E-07	1.36E-06
8,865	6.26E-08	5.11E-07	1.14E-06	6.28E-08	5.14E-07	1.14E-06	7.45E-08	6.05E-07	1.36E-06
8,866	6.26E-08	5.11E-07	1.14E-06	6.28E-08	5.14E-07	1.14E-06	7.44E-08	6.04E-07	1.35E-06
8,867	6.26E-08	5.11E-07	1.14E-06	6.28E-08	5.13E-07	1.14E-06	7.44E-08	6.04E-07	1.35E-06
8,868	6.25E-08	5.11E-07	1.14E-06	6.28E-08	5.13E-07	1.14E-06	7.43E-08	6.03E-07	1.35E-06
8,869	6.25E-08	5.11E-07	1.14E-06	6.27E-08	5.13E-07	1.14E-06	7.42E-08	6.03E-07	1.35E-06
8,870	6.24E-08	5.10E-07	1.14E-06	6.27E-08	5.12E-07	1.14E-06	7.42E-08	6.03E-07	1.35E-06
8,871	6.24E-08	5.10E-07	1.14E-06	6.27E-08	5.12E-07	1.14E-06	7.41E-08	6.03E-07	1.35E-06
8,872	6.24E-08	5.09E-07	1.14E-06	6.26E-08	5.11E-07	1.14E-06	7.41E-08	6.02E-07	1.35E-06
8,873	6.23E-08	5.08E-07	1.14E-06	6.26E-08	5.11E-07	1.14E-06	7.40E-08	6.02E-07	1.35E-06
8,874	6.22E-08	5.08E-07	1.14E-06	6.25E-08	5.10E-07	1.13E-06	7.40E-08	6.01E-07	1.35E-06
8,875	6.22E-08	5.08E-07	1.14E-06	6.25E-08	5.10E-07	1.13E-06	7.40E-08	6.01E-07	1.35E-06
8,876	6.21E-08	5.07E-07	1.14E-06	6.25E-08	5.10E-07	1.13E-06	7.39E-08	6.01E-07	1.35E-06
8,877	6.21E-08	5.07E-07	1.14E-06	6.24E-08	5.10E-07	1.13E-06	7.39E-08	6.00E-07	1.35E-06
8,878	6.20E-08	5.07E-07	1.14E-06	6.24E-08	5.10E-07	1.13E-06	7.38E-08	6.00E-07	1.35E-06
8,879	6.20E-08	5.07E-07	1.14E-06	6.23E-08	5.10E-07	1.13E-06	7.37E-08	6.00E-07	1.35E-06
8,880	6.20E-08	5.06E-07	1.14E-06	6.23E-08	5.09E-07	1.13E-06	7.37E-08	6.00E-07	1.34E-06
8,881	6.19E-08	5.06E-07	1.14E-06	6.23E-08	5.09E-07	1.13E-06	7.36E-08	5.99E-07	1.34E-06
8,882	6.18E-08	5.06E-07	1.14E-06	6.23E-08	5.08E-07	1.13E-06	7.35E-08	5.99E-07	1.34E-06
8,883	6.18E-08	5.06E-07	1.14E-06	6.22E-08	5.08E-07	1.13E-06	7.35E-08	5.99E-07	1.34E-06
8,884	6.18E-08	5.05E-07	1.13E-06	6.22E-08	5.08E-07	1.13E-06	7.35E-08	5.99E-07	1.34E-06
8,885	6.18E-08	5.04E-07	1.13E-06	6.22E-08	5.08E-07	1.13E-06	7.35E-08	5.99E-07	1.34E-06
8,886	6.17E-08	5.04E-07	1.13E-06	6.22E-08	5.07E-07	1.13E-06	7.33E-08	5.98E-07	1.34E-06
8,887	6.17E-08	5.04E-07	1.13E-06	6.22E-08	5.07E-07	1.13E-06	7.32E-08	5.97E-07	1.34E-06
8,888	6.16E-08	5.04E-07	1.13E-06	6.22E-08	5.07E-07	1.13E-06	7.32E-08	5.97E-07	1.34E-06
8,889	6.15E-08	5.04E-07	1.13E-06	6.21E-08	5.06E-07	1.13E-06	7.31E-08	5.97E-07	1.34E-06
8,890	6.14E-08	5.03E-07	1.13E-06	6.19E-08	5.06E-07	1.13E-06	7.31E-08	5.96E-07	1.34E-06
8,891	6.14E-08	5.03E-07	1.13E-06	6.19E-08	5.06E-07	1.13E-06	7.29E-08	5.96E-07	1.33E-06
8,892	6.14E-08	5.03E-07	1.13E-06	6.19E-08	5.05E-07	1.13E-06	7.29E-08	5.96E-07	1.33E-06
8,893	6.14E-08	5.03E-07	1.13E-06	6.18E-08	5.05E-07	1.13E-06	7.28E-08	5.96E-07	1.33E-06
8,894	6.14E-08	5.02E-07	1.13E-06	6.18E-08	5.05E-07	1.13E-06	7.28E-08	5.96E-07	1.33E-06
8,895	6.14E-08	5.02E-07	1.13E-06	6.17E-08	5.05E-07	1.13E-06	7.28E-08	5.96E-07	1.33E-06
8,896	6.14E-08	5.01E-07	1.13E-06	6.16E-08	5.05E-07	1.12E-06	7.28E-08	5.95E-07	1.33E-06
8,897	6.13E-08	5.01E-07	1.13E-06	6.15E-08	5.05E-07	1.12E-06	7.28E-08	5.95E-07	1.33E-06
8,898	6.13E-08	5.01E-07	1.13E-06	6.15E-08	5.05E-07	1.12E-06	7.27E-08	5.95E-07	1.33E-06
8,899	6.13E-08	5.00E-07	1.13E-06	6.14E-08	5.04E-07	1.12E-06	7.26E-08	5.94E-07	1.33E-06
8,900	6.13E-08	5.00E-07	1.13E-06	6.14E-08	5.04E-07	1.12E-06	7.25E-08	5.93E-07	1.33E-06
8,901	6.12E-08	5.00E-07	1.12E-06	6.14E-08	5.03E-07	1.12E-06	7.25E-08	5.93E-07	1.33E-06
8,902	6.12E-08	5.00E-07	1.12E-06	6.14E-08	5.02E-07	1.12E-06	7.24E-08	5.93E-07	1.33E-06
8,903	6.12E-08	5.00E-07	1.12E-06	6.13E-08	5.02E-07	1.12E-06	7.23E-08	5.93E-07	1.33E-06
8,904	6.11E-08	5.00E-07	1.12E-06	6.13E-08	5.02E-07	1.12E-06	7.23E-08	5.93E-07	1.33E-06
8,905	6.11E-08	5.00E-07	1.12E-06	6.13E-08	4.99E-07	1.12E-06	7.22E-08	5.93E-07	1.33E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,906	6.11E-08	5.00E-07	1.12E-06	6.12E-08	4.99E-07	1.12E-06	7.21E-08	5.92E-07	1.33E-06
8,907	6.11E-08	4.99E-07	1.12E-06	6.12E-08	4.99E-07	1.12E-06	7.20E-08	5.92E-07	1.33E-06
8,908	6.11E-08	4.98E-07	1.12E-06	6.12E-08	4.99E-07	1.11E-06	7.20E-08	5.91E-07	1.33E-06
8,909	6.11E-08	4.98E-07	1.12E-06	6.11E-08	4.98E-07	1.11E-06	7.20E-08	5.91E-07	1.33E-06
8,910	6.10E-08	4.98E-07	1.12E-06	6.11E-08	4.98E-07	1.11E-06	7.20E-08	5.89E-07	1.32E-06
8,911	6.10E-08	4.98E-07	1.12E-06	6.11E-08	4.98E-07	1.11E-06	7.20E-08	5.88E-07	1.32E-06
8,912	6.10E-08	4.98E-07	1.12E-06	6.11E-08	4.98E-07	1.11E-06	7.20E-08	5.88E-07	1.32E-06
8,913	6.10E-08	4.98E-07	1.12E-06	6.11E-08	4.97E-07	1.11E-06	7.19E-08	5.88E-07	1.32E-06
8,914	6.10E-08	4.98E-07	1.12E-06	6.10E-08	4.97E-07	1.11E-06	7.19E-08	5.88E-07	1.32E-06
8,915	6.09E-08	4.98E-07	1.12E-06	6.09E-08	4.96E-07	1.11E-06	7.18E-08	5.88E-07	1.32E-06
8,916	6.09E-08	4.97E-07	1.12E-06	6.09E-08	4.96E-07	1.11E-06	7.17E-08	5.87E-07	1.32E-06
8,917	6.09E-08	4.97E-07	1.12E-06	6.08E-08	4.96E-07	1.11E-06	7.17E-08	5.87E-07	1.32E-06
8,918	6.08E-08	4.97E-07	1.12E-06	6.08E-08	4.96E-07	1.11E-06	7.17E-08	5.86E-07	1.32E-06
8,919	6.07E-08	4.96E-07	1.12E-06	6.08E-08	4.96E-07	1.11E-06	7.16E-08	5.86E-07	1.32E-06
8,920	6.07E-08	4.96E-07	1.12E-06	6.08E-08	4.96E-07	1.11E-06	7.16E-08	5.86E-07	1.31E-06
8,921	6.06E-08	4.96E-07	1.11E-06	6.08E-08	4.95E-07	1.10E-06	7.15E-08	5.85E-07	1.31E-06
8,922	6.06E-08	4.96E-07	1.11E-06	6.07E-08	4.95E-07	1.10E-06	7.15E-08	5.85E-07	1.31E-06
8,923	6.06E-08	4.96E-07	1.11E-06	6.07E-08	4.95E-07	1.10E-06	7.14E-08	5.83E-07	1.31E-06
8,924	6.05E-08	4.95E-07	1.11E-06	6.06E-08	4.94E-07	1.10E-06	7.14E-08	5.83E-07	1.31E-06
8,925	6.05E-08	4.95E-07	1.11E-06	6.06E-08	4.94E-07	1.10E-06	7.14E-08	5.82E-07	1.31E-06
8,926	6.03E-08	4.95E-07	1.11E-06	6.06E-08	4.93E-07	1.10E-06	7.13E-08	5.81E-07	1.31E-06
8,927	6.03E-08	4.94E-07	1.11E-06	6.06E-08	4.92E-07	1.10E-06	7.12E-08	5.81E-07	1.31E-06
8,928	6.03E-08	4.94E-07	1.11E-06	6.05E-08	4.92E-07	1.10E-06	7.11E-08	5.80E-07	1.31E-06
8,929	6.03E-08	4.94E-07	1.11E-06	6.04E-08	4.91E-07	1.10E-06	7.11E-08	5.80E-07	1.31E-06
8,930	6.02E-08	4.94E-07	1.11E-06	6.04E-08	4.91E-07	1.10E-06	7.10E-08	5.79E-07	1.30E-06
8,931	6.02E-08	4.93E-07	1.11E-06	6.04E-08	4.91E-07	1.10E-06	7.10E-08	5.78E-07	1.30E-06
8,932	6.01E-08	4.93E-07	1.11E-06	6.04E-08	4.91E-07	1.10E-06	7.09E-08	5.78E-07	1.30E-06
8,933	6.01E-08	4.93E-07	1.11E-06	6.02E-08	4.91E-07	1.09E-06	7.08E-08	5.78E-07	1.30E-06
8,934	6.00E-08	4.93E-07	1.11E-06	6.02E-08	4.90E-07	1.09E-06	7.08E-08	5.77E-07	1.30E-06
8,935	6.00E-08	4.93E-07	1.11E-06	6.02E-08	4.90E-07	1.09E-06	7.07E-08	5.77E-07	1.30E-06
8,936	5.99E-08	4.92E-07	1.11E-06	6.01E-08	4.90E-07	1.09E-06	7.07E-08	5.77E-07	1.30E-06
8,937	5.99E-08	4.91E-07	1.11E-06	6.01E-08	4.90E-07	1.09E-06	7.06E-08	5.77E-07	1.30E-06
8,938	5.99E-08	4.91E-07	1.11E-06	6.01E-08	4.90E-07	1.09E-06	7.06E-08	5.76E-07	1.29E-06
8,939	5.99E-08	4.91E-07	1.11E-06	6.00E-08	4.90E-07	1.09E-06	7.06E-08	5.75E-07	1.29E-06
8,940	5.98E-08	4.91E-07	1.11E-06	6.00E-08	4.90E-07	1.09E-06	7.06E-08	5.74E-07	1.29E-06
8,941	5.98E-08	4.91E-07	1.10E-06	5.99E-08	4.89E-07	1.09E-06	7.06E-08	5.74E-07	1.29E-06
8,942	5.98E-08	4.91E-07	1.10E-06	5.99E-08	4.89E-07	1.09E-06	7.06E-08	5.73E-07	1.29E-06
8,943	5.98E-08	4.91E-07	1.10E-06	5.98E-08	4.89E-07	1.09E-06	7.05E-08	5.73E-07	1.29E-06
8,944	5.96E-08	4.90E-07	1.10E-06	5.98E-08	4.89E-07	1.09E-06	7.05E-08	5.73E-07	1.29E-06
8,945	5.95E-08	4.90E-07	1.10E-06	5.98E-08	4.88E-07	1.09E-06	7.04E-08	5.73E-07	1.29E-06
8,946	5.95E-08	4.89E-07	1.10E-06	5.98E-08	4.88E-07	1.09E-06	7.04E-08	5.72E-07	1.29E-06
8,947	5.95E-08	4.89E-07	1.10E-06	5.98E-08	4.88E-07	1.08E-06	7.04E-08	5.72E-07	1.29E-06
8,948	5.94E-08	4.89E-07	1.10E-06	5.97E-08	4.87E-07	1.08E-06	7.04E-08	5.71E-07	1.29E-06
8,949	5.94E-08	4.89E-07	1.10E-06	5.97E-08	4.87E-07	1.08E-06	7.03E-08	5.71E-07	1.29E-06
8,950	5.93E-08	4.88E-07	1.10E-06	5.96E-08	4.87E-07	1.08E-06	7.03E-08	5.71E-07	1.29E-06
8,951	5.92E-08	4.88E-07	1.10E-06	5.96E-08	4.87E-07	1.08E-06	7.02E-08	5.71E-07	1.29E-06
8,952	5.92E-08	4.88E-07	1.10E-06	5.96E-08	4.87E-07	1.08E-06	7.01E-08	5.70E-07	1.29E-06
8,953	5.92E-08	4.88E-07	1.10E-06	5.95E-08	4.86E-07	1.08E-06	7.00E-08	5.70E-07	1.29E-06
8,954	5.92E-08	4.88E-07	1.10E-06	5.95E-08	4.86E-07	1.08E-06	7.00E-08	5.70E-07	1.29E-06
8,955	5.92E-08	4.86E-07	1.10E-06	5.94E-08	4.86E-07	1.08E-06	7.00E-08	5.69E-07	1.29E-06
8,956	5.92E-08	4.86E-07	1.10E-06	5.94E-08	4.86E-07	1.08E-06	7.00E-08	5.68E-07	1.28E-06
8,957	5.91E-08	4.85E-07	1.10E-06	5.93E-08	4.85E-07	1.08E-06	7.00E-08	5.68E-07	1.28E-06
8,958	5.91E-08	4.85E-07	1.10E-06	5.93E-08	4.85E-07	1.08E-06	6.99E-08	5.68E-07	1.28E-06
8,959	5.91E-08	4.85E-07	1.10E-06	5.92E-08	4.85E-07	1.08E-06	6.99E-08	5.68E-07	1.28E-06
8,960	5.91E-08	4.85E-07	1.10E-06	5.92E-08	4.85E-07	1.08E-06	6.99E-08	5.67E-07	1.28E-06
8,961	5.91E-08	4.84E-07	1.10E-06	5.91E-08	4.84E-07	1.08E-06	6.99E-08	5.66E-07	1.28E-06
8,962	5.91E-08	4.84E-07	1.09E-06	5.91E-08	4.84E-07	1.08E-06	6.99E-08	5.66E-07	1.28E-06
8,963	5.91E-08	4.84E-07	1.09E-06	5.90E-08	4.84E-07	1.08E-06	6.99E-08	5.66E-07	1.28E-06
8,964	5.91E-08	4.83E-07	1.09E-06	5.90E-08	4.83E-07	1.08E-06	6.98E-08	5.65E-07	1.28E-06
8,965	5.90E-08	4.83E-07	1.09E-06	5.90E-08	4.83E-07	1.08E-06	6.98E-08	5.65E-07	1.28E-06
8,966	5.90E-08	4.83E-07	1.09E-06	5.90E-08	4.83E-07	1.08E-06	6.98E-08	5.65E-07	1.28E-06
8,967	5.90E-08	4.82E-07	1.09E-06	5.90E-08	4.83E-07	1.08E-06	6.98E-08	5.64E-07	1.28E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
8,968	5.90E-08	4.82E-07	1.09E-06	5.89E-08	4.82E-07	1.08E-06	6.98E-08	5.64E-07	1.28E-06
8,969	5.90E-08	4.82E-07	1.09E-06	5.89E-08	4.82E-07	1.08E-06	6.97E-08	5.63E-07	1.27E-06
8,970	5.90E-08	4.81E-07	1.09E-06	5.89E-08	4.82E-07	1.07E-06	6.96E-08	5.63E-07	1.27E-06
8,971	5.89E-08	4.80E-07	1.09E-06	5.88E-08	4.82E-07	1.07E-06	6.96E-08	5.63E-07	1.27E-06
8,972	5.89E-08	4.80E-07	1.09E-06	5.88E-08	4.81E-07	1.07E-06	6.96E-08	5.62E-07	1.27E-06
8,973	5.88E-08	4.80E-07	1.09E-06	5.88E-08	4.81E-07	1.07E-06	6.95E-08	5.62E-07	1.27E-06
8,974	5.88E-08	4.79E-07	1.09E-06	5.87E-08	4.81E-07	1.07E-06	6.94E-08	5.62E-07	1.27E-06
8,975	5.88E-08	4.79E-07	1.09E-06	5.87E-08	4.81E-07	1.07E-06	6.94E-08	5.62E-07	1.27E-06
8,976	5.87E-08	4.79E-07	1.09E-06	5.87E-08	4.81E-07	1.07E-06	6.94E-08	5.62E-07	1.27E-06
8,977	5.87E-08	4.79E-07	1.09E-06	5.86E-08	4.81E-07	1.07E-06	6.93E-08	5.62E-07	1.27E-06
8,978	5.86E-08	4.78E-07	1.09E-06	5.86E-08	4.81E-07	1.07E-06	6.92E-08	5.61E-07	1.27E-06
8,979	5.86E-08	4.78E-07	1.09E-06	5.86E-08	4.80E-07	1.07E-06	6.92E-08	5.61E-07	1.26E-06
8,980	5.86E-08	4.77E-07	1.09E-06	5.86E-08	4.80E-07	1.07E-06	6.92E-08	5.61E-07	1.26E-06
8,981	5.86E-08	4.77E-07	1.09E-06	5.85E-08	4.80E-07	1.07E-06	6.91E-08	5.61E-07	1.26E-06
8,982	5.85E-08	4.76E-07	1.09E-06	5.84E-08	4.79E-07	1.07E-06	6.90E-08	5.61E-07	1.26E-06
8,983	5.85E-08	4.76E-07	1.09E-06	5.82E-08	4.79E-07	1.07E-06	6.90E-08	5.60E-07	1.26E-06
8,984	5.85E-08	4.76E-07	1.09E-06	5.81E-08	4.78E-07	1.06E-06	6.90E-08	5.60E-07	1.26E-06
8,985	5.85E-08	4.76E-07	1.08E-06	5.81E-08	4.78E-07	1.06E-06	6.90E-08	5.60E-07	1.26E-06
8,986	5.84E-08	4.75E-07	1.08E-06	5.81E-08	4.78E-07	1.06E-06	6.90E-08	5.60E-07	1.25E-06
8,987	5.84E-08	4.75E-07	1.08E-06	5.81E-08	4.77E-07	1.06E-06	6.89E-08	5.60E-07	1.25E-06
8,988	5.84E-08	4.75E-07	1.08E-06	5.80E-08	4.77E-07	1.06E-06	6.89E-08	5.59E-07	1.25E-06
8,989	5.84E-08	4.74E-07	1.08E-06	5.80E-08	4.76E-07	1.06E-06	6.88E-08	5.59E-07	1.25E-06
8,990	5.84E-08	4.73E-07	1.08E-06	5.79E-08	4.75E-07	1.06E-06	6.88E-08	5.58E-07	1.25E-06
8,991	5.84E-08	4.73E-07	1.08E-06	5.79E-08	4.75E-07	1.06E-06	6.87E-08	5.58E-07	1.25E-06
8,992	5.83E-08	4.73E-07	1.08E-06	5.79E-08	4.75E-07	1.05E-06	6.86E-08	5.58E-07	1.25E-06
8,993	5.83E-08	4.73E-07	1.08E-06	5.79E-08	4.75E-07	1.05E-06	6.86E-08	5.57E-07	1.25E-06
8,994	5.83E-08	4.73E-07	1.08E-06	5.79E-08	4.74E-07	1.05E-06	6.85E-08	5.57E-07	1.24E-06
8,995	5.83E-08	4.73E-07	1.08E-06	5.79E-08	4.74E-07	1.05E-06	6.85E-08	5.57E-07	1.24E-06
8,996	5.83E-08	4.73E-07	1.07E-06	5.78E-08	4.74E-07	1.05E-06	6.85E-08	5.56E-07	1.24E-06
8,997	5.83E-08	4.72E-07	1.07E-06	5.77E-08	4.74E-07	1.05E-06	6.83E-08	5.56E-07	1.24E-06
8,998	5.83E-08	4.72E-07	1.07E-06	5.77E-08	4.74E-07	1.05E-06	6.83E-08	5.55E-07	1.24E-06
8,999	5.82E-08	4.72E-07	1.07E-06	5.76E-08	4.74E-07	1.05E-06	6.82E-08	5.54E-07	1.24E-06
9,000	5.82E-08	4.72E-07	1.07E-06	5.76E-08	4.74E-07	1.05E-06	6.82E-08	5.54E-07	1.24E-06
9,001	5.82E-08	4.72E-07	1.07E-06	5.75E-08	4.73E-07	1.05E-06	6.82E-08	5.54E-07	1.24E-06
9,002	5.82E-08	4.71E-07	1.07E-06	5.75E-08	4.73E-07	1.04E-06	6.81E-08	5.54E-07	1.24E-06
9,003	5.82E-08	4.71E-07	1.07E-06	5.75E-08	4.73E-07	1.04E-06	6.80E-08	5.53E-07	1.24E-06
9,004	5.81E-08	4.71E-07	1.07E-06	5.75E-08	4.72E-07	1.04E-06	6.79E-08	5.53E-07	1.24E-06
9,005	5.81E-08	4.70E-07	1.07E-06	5.74E-08	4.72E-07	1.04E-06	6.79E-08	5.52E-07	1.24E-06
9,006	5.81E-08	4.70E-07	1.07E-06	5.74E-08	4.72E-07	1.04E-06	6.79E-08	5.51E-07	1.24E-06
9,007	5.80E-08	4.69E-07	1.07E-06	5.74E-08	4.72E-07	1.04E-06	6.79E-08	5.51E-07	1.24E-06
9,008	5.80E-08	4.69E-07	1.07E-06	5.74E-08	4.71E-07	1.04E-06	6.78E-08	5.51E-07	1.24E-06
9,009	5.80E-08	4.69E-07	1.07E-06	5.74E-08	4.71E-07	1.04E-06	6.78E-08	5.51E-07	1.24E-06
9,010	5.79E-08	4.68E-07	1.06E-06	5.73E-08	4.71E-07	1.04E-06	6.78E-08	5.50E-07	1.24E-06
9,011	5.78E-08	4.68E-07	1.06E-06	5.73E-08	4.70E-07	1.04E-06	6.77E-08	5.49E-07	1.24E-06
9,012	5.76E-08	4.68E-07	1.06E-06	5.73E-08	4.69E-07	1.04E-06	6.76E-08	5.49E-07	1.23E-06
9,013	5.76E-08	4.68E-07	1.06E-06	5.73E-08	4.69E-07	1.04E-06	6.75E-08	5.48E-07	1.23E-06
9,014	5.75E-08	4.68E-07	1.06E-06	5.71E-08	4.69E-07	1.04E-06	6.75E-08	5.48E-07	1.23E-06
9,015	5.75E-08	4.68E-07	1.06E-06	5.71E-08	4.68E-07	1.04E-06	6.74E-08	5.48E-07	1.23E-06
9,016	5.75E-08	4.68E-07	1.06E-06	5.70E-08	4.68E-07	1.04E-06	6.74E-08	5.47E-07	1.23E-06
9,017	5.75E-08	4.68E-07	1.06E-06	5.70E-08	4.68E-07	1.04E-06	6.73E-08	5.47E-07	1.23E-06
9,018	5.74E-08	4.67E-07	1.05E-06	5.69E-08	4.68E-07	1.04E-06	6.72E-08	5.47E-07	1.23E-06
9,019	5.74E-08	4.67E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	6.72E-08	5.47E-07	1.23E-06
9,020	5.74E-08	4.67E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	6.72E-08	5.47E-07	1.22E-06
9,021	5.73E-08	4.66E-07	1.05E-06	5.68E-08	4.68E-07	1.04E-06	6.71E-08	5.46E-07	1.22E-06
9,022	5.73E-08	4.66E-07	1.05E-06	5.68E-08	4.67E-07	1.04E-06	6.71E-08	5.46E-07	1.22E-06
9,023	5.73E-08	4.66E-07	1.05E-06	5.67E-08	4.67E-07	1.04E-06	6.71E-08	5.46E-07	1.22E-06
9,024	5.73E-08	4.66E-07	1.05E-06	5.67E-08	4.66E-07	1.04E-06	6.71E-08	5.46E-07	1.22E-06
9,025	5.72E-08	4.66E-07	1.05E-06	5.67E-08	4.66E-07	1.04E-06	6.71E-08	5.46E-07	1.22E-06
9,026	5.72E-08	4.66E-07	1.05E-06	5.66E-08	4.65E-07	1.03E-06	6.69E-08	5.44E-07	1.22E-06
9,027	5.71E-08	4.65E-07	1.05E-06	5.66E-08	4.65E-07	1.03E-06	6.68E-08	5.44E-07	1.22E-06
9,028	5.71E-08	4.65E-07	1.05E-06	5.66E-08	4.65E-07	1.03E-06	6.68E-08	5.42E-07	1.22E-06
9,029	5.71E-08	4.65E-07	1.05E-06	5.65E-08	4.65E-07	1.03E-06	6.67E-08	5.42E-07	1.22E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,030	5.71E-08	4.65E-07	1.05E-06	5.65E-08	4.64E-07	1.03E-06	6.67E-08	5.42E-07	1.21E-06
9,031	5.71E-08	4.65E-07	1.05E-06	5.64E-08	4.64E-07	1.03E-06	6.67E-08	5.41E-07	1.21E-06
9,032	5.71E-08	4.65E-07	1.05E-06	5.64E-08	4.63E-07	1.03E-06	6.66E-08	5.40E-07	1.21E-06
9,033	5.70E-08	4.65E-07	1.05E-06	5.64E-08	4.63E-07	1.03E-06	6.66E-08	5.40E-07	1.21E-06
9,034	5.69E-08	4.64E-07	1.05E-06	5.64E-08	4.63E-07	1.03E-06	6.66E-08	5.39E-07	1.21E-06
9,035	5.69E-08	4.64E-07	1.05E-06	5.64E-08	4.62E-07	1.03E-06	6.66E-08	5.39E-07	1.21E-06
9,036	5.69E-08	4.64E-07	1.05E-06	5.64E-08	4.62E-07	1.03E-06	6.66E-08	5.39E-07	1.21E-06
9,037	5.68E-08	4.64E-07	1.04E-06	5.63E-08	4.62E-07	1.03E-06	6.65E-08	5.38E-07	1.21E-06
9,038	5.67E-08	4.64E-07	1.04E-06	5.63E-08	4.61E-07	1.03E-06	6.64E-08	5.38E-07	1.21E-06
9,039	5.67E-08	4.64E-07	1.04E-06	5.63E-08	4.61E-07	1.03E-06	6.64E-08	5.38E-07	1.21E-06
9,040	5.66E-08	4.63E-07	1.04E-06	5.63E-08	4.60E-07	1.03E-06	6.63E-08	5.38E-07	1.21E-06
9,041	5.66E-08	4.63E-07	1.04E-06	5.63E-08	4.60E-07	1.02E-06	6.63E-08	5.38E-07	1.21E-06
9,042	5.65E-08	4.63E-07	1.04E-06	5.62E-08	4.59E-07	1.02E-06	6.62E-08	5.36E-07	1.20E-06
9,043	5.65E-08	4.63E-07	1.04E-06	5.62E-08	4.59E-07	1.02E-06	6.62E-08	5.36E-07	1.20E-06
9,044	5.65E-08	4.62E-07	1.04E-06	5.62E-08	4.59E-07	1.02E-06	6.61E-08	5.36E-07	1.20E-06
9,045	5.65E-08	4.62E-07	1.04E-06	5.60E-08	4.59E-07	1.02E-06	6.59E-08	5.36E-07	1.20E-06
9,046	5.65E-08	4.62E-07	1.04E-06	5.60E-08	4.59E-07	1.02E-06	6.59E-08	5.35E-07	1.20E-06
9,047	5.65E-08	4.62E-07	1.04E-06	5.60E-08	4.58E-07	1.02E-06	6.58E-08	5.35E-07	1.20E-06
9,048	5.64E-08	4.62E-07	1.04E-06	5.59E-08	4.58E-07	1.02E-06	6.58E-08	5.34E-07	1.20E-06
9,049	5.64E-08	4.62E-07	1.04E-06	5.59E-08	4.58E-07	1.02E-06	6.57E-08	5.34E-07	1.20E-06
9,050	5.63E-08	4.62E-07	1.04E-06	5.57E-08	4.58E-07	1.01E-06	6.57E-08	5.33E-07	1.20E-06
9,051	5.63E-08	4.62E-07	1.04E-06	5.57E-08	4.57E-07	1.01E-06	6.56E-08	5.32E-07	1.20E-06
9,052	5.63E-08	4.61E-07	1.04E-06	5.57E-08	4.57E-07	1.01E-06	6.55E-08	5.32E-07	1.20E-06
9,053	5.62E-08	4.61E-07	1.04E-06	5.56E-08	4.57E-07	1.01E-06	6.55E-08	5.32E-07	1.20E-06
9,054	5.62E-08	4.61E-07	1.04E-06	5.56E-08	4.56E-07	1.01E-06	6.55E-08	5.32E-07	1.19E-06
9,055	5.62E-08	4.61E-07	1.04E-06	5.56E-08	4.56E-07	1.01E-06	6.55E-08	5.32E-07	1.19E-06
9,056	5.62E-08	4.60E-07	1.04E-06	5.56E-08	4.56E-07	1.01E-06	6.55E-08	5.31E-07	1.19E-06
9,057	5.61E-08	4.60E-07	1.04E-06	5.56E-08	4.56E-07	1.01E-06	6.55E-08	5.31E-07	1.19E-06
9,058	5.61E-08	4.59E-07	1.04E-06	5.56E-08	4.56E-07	1.01E-06	6.53E-08	5.31E-07	1.19E-06
9,059	5.61E-08	4.59E-07	1.04E-06	5.55E-08	4.55E-07	1.01E-06	6.53E-08	5.31E-07	1.19E-06
9,060	5.61E-08	4.59E-07	1.04E-06	5.54E-08	4.55E-07	1.01E-06	6.53E-08	5.31E-07	1.19E-06
9,061	5.60E-08	4.58E-07	1.04E-06	5.54E-08	4.55E-07	1.01E-06	6.52E-08	5.30E-07	1.19E-06
9,062	5.59E-08	4.58E-07	1.04E-06	5.54E-08	4.55E-07	1.01E-06	6.51E-08	5.30E-07	1.19E-06
9,063	5.58E-08	4.58E-07	1.03E-06	5.54E-08	4.54E-07	1.00E-06	6.50E-08	5.30E-07	1.19E-06
9,064	5.58E-08	4.57E-07	1.03E-06	5.53E-08	4.54E-07	1.00E-06	6.50E-08	5.30E-07	1.19E-06
9,065	5.58E-08	4.57E-07	1.03E-06	5.53E-08	4.54E-07	1.00E-06	6.50E-08	5.29E-07	1.19E-06
9,066	5.57E-08	4.57E-07	1.03E-06	5.52E-08	4.53E-07	1.00E-06	6.49E-08	5.29E-07	1.19E-06
9,067	5.57E-08	4.56E-07	1.03E-06	5.52E-08	4.53E-07	1.00E-06	6.49E-08	5.29E-07	1.18E-06
9,068	5.56E-08	4.56E-07	1.03E-06	5.52E-08	4.53E-07	1.00E-06	6.49E-08	5.29E-07	1.18E-06
9,069	5.56E-08	4.56E-07	1.03E-06	5.51E-08	4.52E-07	9.99E-07	6.48E-08	5.27E-07	1.18E-06
9,070	5.56E-08	4.56E-07	1.03E-06	5.51E-08	4.52E-07	9.97E-07	6.47E-08	5.27E-07	1.18E-06
9,071	5.55E-08	4.55E-07	1.03E-06	5.51E-08	4.52E-07	9.97E-07	6.46E-08	5.27E-07	1.18E-06
9,072	5.54E-08	4.55E-07	1.03E-06	5.51E-08	4.52E-07	9.96E-07	6.46E-08	5.26E-07	1.18E-06
9,073	5.54E-08	4.55E-07	1.03E-06	5.50E-08	4.51E-07	9.96E-07	6.46E-08	5.26E-07	1.18E-06
9,074	5.53E-08	4.55E-07	1.03E-06	5.50E-08	4.51E-07	9.96E-07	6.45E-08	5.26E-07	1.18E-06
9,075	5.53E-08	4.55E-07	1.03E-06	5.50E-08	4.50E-07	9.96E-07	6.45E-08	5.26E-07	1.18E-06
9,076	5.53E-08	4.54E-07	1.02E-06	5.50E-08	4.50E-07	9.95E-07	6.45E-08	5.25E-07	1.18E-06
9,077	5.52E-08	4.54E-07	1.02E-06	5.50E-08	4.50E-07	9.94E-07	6.45E-08	5.24E-07	1.18E-06
9,078	5.52E-08	4.54E-07	1.02E-06	5.50E-08	4.50E-07	9.94E-07	6.44E-08	5.24E-07	1.18E-06
9,079	5.51E-08	4.53E-07	1.02E-06	5.49E-08	4.49E-07	9.92E-07	6.44E-08	5.24E-07	1.18E-06
9,080	5.51E-08	4.52E-07	1.02E-06	5.49E-08	4.49E-07	9.92E-07	6.43E-08	5.24E-07	1.18E-06
9,081	5.51E-08	4.52E-07	1.02E-06	5.48E-08	4.49E-07	9.91E-07	6.43E-08	5.23E-07	1.18E-06
9,082	5.50E-08	4.52E-07	1.02E-06	5.48E-08	4.49E-07	9.91E-07	6.43E-08	5.22E-07	1.18E-06
9,083	5.50E-08	4.51E-07	1.02E-06	5.48E-08	4.49E-07	9.91E-07	6.41E-08	5.22E-07	1.17E-06
9,084	5.50E-08	4.51E-07	1.02E-06	5.47E-08	4.49E-07	9.90E-07	6.41E-08	5.22E-07	1.17E-06
9,085	5.49E-08	4.51E-07	1.02E-06	5.47E-08	4.48E-07	9.89E-07	6.41E-08	5.22E-07	1.17E-06
9,086	5.49E-08	4.51E-07	1.02E-06	5.47E-08	4.48E-07	9.89E-07	6.39E-08	5.22E-07	1.17E-06
9,087	5.48E-08	4.51E-07	1.02E-06	5.47E-08	4.48E-07	9.88E-07	6.39E-08	5.22E-07	1.17E-06
9,088	5.48E-08	4.51E-07	1.02E-06	5.47E-08	4.48E-07	9.87E-07	6.39E-08	5.22E-07	1.17E-06
9,089	5.48E-08	4.51E-07	1.02E-06	5.46E-08	4.48E-07	9.87E-07	6.38E-08	5.22E-07	1.17E-06
9,090	5.48E-08	4.50E-07	1.02E-06	5.46E-08	4.47E-07	9.86E-07	6.38E-08	5.21E-07	1.17E-06
9,091	5.47E-08	4.50E-07	1.01E-06	5.45E-08	4.47E-07	9.85E-07	6.38E-08	5.21E-07	1.17E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,092	5.47E-08	4.49E-07	1.01E-06	5.45E-08	4.47E-07	9.84E-07	6.37E-08	5.21E-07	1.17E-06
9,093	5.47E-08	4.49E-07	1.01E-06	5.43E-08	4.47E-07	9.84E-07	6.37E-08	5.20E-07	1.17E-06
9,094	5.47E-08	4.49E-07	1.01E-06	5.42E-08	4.46E-07	9.84E-07	6.36E-08	5.20E-07	1.17E-06
9,095	5.46E-08	4.49E-07	1.01E-06	5.42E-08	4.46E-07	9.84E-07	6.36E-08	5.20E-07	1.17E-06
9,096	5.46E-08	4.48E-07	1.01E-06	5.41E-08	4.45E-07	9.84E-07	6.36E-08	5.20E-07	1.17E-06
9,097	5.46E-08	4.48E-07	1.01E-06	5.40E-08	4.45E-07	9.83E-07	6.36E-08	5.19E-07	1.17E-06
9,098	5.46E-08	4.48E-07	1.01E-06	5.38E-08	4.45E-07	9.82E-07	6.36E-08	5.19E-07	1.17E-06
9,099	5.45E-08	4.48E-07	1.01E-06	5.38E-08	4.45E-07	9.82E-07	6.35E-08	5.19E-07	1.17E-06
9,100	5.45E-08	4.47E-07	1.01E-06	5.38E-08	4.44E-07	9.81E-07	6.35E-08	5.18E-07	1.16E-06
9,101	5.45E-08	4.47E-07	1.01E-06	5.38E-08	4.44E-07	9.81E-07	6.35E-08	5.18E-07	1.16E-06
9,102	5.45E-08	4.47E-07	1.01E-06	5.37E-08	4.43E-07	9.80E-07	6.34E-08	5.18E-07	1.16E-06
9,103	5.44E-08	4.47E-07	1.01E-06	5.37E-08	4.43E-07	9.80E-07	6.32E-08	5.18E-07	1.16E-06
9,104	5.44E-08	4.47E-07	1.01E-06	5.36E-08	4.43E-07	9.79E-07	6.31E-08	5.17E-07	1.16E-06
9,105	5.44E-08	4.47E-07	1.01E-06	5.35E-08	4.43E-07	9.79E-07	6.31E-08	5.17E-07	1.16E-06
9,106	5.43E-08	4.47E-07	1.01E-06	5.35E-08	4.42E-07	9.78E-07	6.31E-08	5.17E-07	1.16E-06
9,107	5.43E-08	4.47E-07	1.01E-06	5.35E-08	4.42E-07	9.78E-07	6.31E-08	5.16E-07	1.15E-06
9,108	5.42E-08	4.47E-07	1.00E-06	5.34E-08	4.41E-07	9.78E-07	6.31E-08	5.16E-07	1.15E-06
9,109	5.42E-08	4.47E-07	1.00E-06	5.34E-08	4.41E-07	9.77E-07	6.31E-08	5.16E-07	1.15E-06
9,110	5.42E-08	4.47E-07	1.00E-06	5.33E-08	4.41E-07	9.75E-07	6.30E-08	5.15E-07	1.15E-06
9,111	5.42E-08	4.46E-07	1.00E-06	5.32E-08	4.41E-07	9.75E-07	6.29E-08	5.13E-07	1.15E-06
9,112	5.41E-08	4.45E-07	1.00E-06	5.32E-08	4.41E-07	9.74E-07	6.29E-08	5.13E-07	1.15E-06
9,113	5.41E-08	4.45E-07	1.00E-06	5.31E-08	4.40E-07	9.73E-07	6.27E-08	5.12E-07	1.15E-06
9,114	5.41E-08	4.45E-07	1.00E-06	5.31E-08	4.40E-07	9.72E-07	6.27E-08	5.12E-07	1.15E-06
9,115	5.41E-08	4.44E-07	1.00E-06	5.31E-08	4.39E-07	9.69E-07	6.27E-08	5.12E-07	1.15E-06
9,116	5.41E-08	4.43E-07	1.00E-06	5.30E-08	4.39E-07	9.68E-07	6.26E-08	5.12E-07	1.15E-06
9,117	5.41E-08	4.43E-07	1.00E-06	5.30E-08	4.39E-07	9.68E-07	6.26E-08	5.11E-07	1.15E-06
9,118	5.40E-08	4.43E-07	1.00E-06	5.29E-08	4.39E-07	9.67E-07	6.25E-08	5.11E-07	1.15E-06
9,119	5.39E-08	4.43E-07	1.00E-06	5.29E-08	4.39E-07	9.67E-07	6.25E-08	5.11E-07	1.15E-06
9,120	5.38E-08	4.42E-07	1.00E-06	5.29E-08	4.39E-07	9.66E-07	6.24E-08	5.10E-07	1.14E-06
9,121	5.38E-08	4.42E-07	1.00E-06	5.29E-08	4.38E-07	9.66E-07	6.23E-08	5.10E-07	1.14E-06
9,122	5.37E-08	4.41E-07	9.98E-07	5.29E-08	4.38E-07	9.66E-07	6.23E-08	5.09E-07	1.14E-06
9,123	5.37E-08	4.41E-07	9.96E-07	5.29E-08	4.38E-07	9.65E-07	6.23E-08	5.09E-07	1.14E-06
9,124	5.37E-08	4.41E-07	9.96E-07	5.29E-08	4.37E-07	9.65E-07	6.22E-08	5.09E-07	1.14E-06
9,125	5.36E-08	4.41E-07	9.94E-07	5.28E-08	4.37E-07	9.65E-07	6.22E-08	5.09E-07	1.13E-06
9,126	5.36E-08	4.41E-07	9.94E-07	5.28E-08	4.37E-07	9.64E-07	6.22E-08	5.08E-07	1.13E-06
9,127	5.36E-08	4.40E-07	9.94E-07	5.27E-08	4.37E-07	9.63E-07	6.21E-08	5.08E-07	1.13E-06
9,128	5.36E-08	4.40E-07	9.92E-07	5.27E-08	4.36E-07	9.62E-07	6.21E-08	5.07E-07	1.13E-06
9,129	5.36E-08	4.40E-07	9.91E-07	5.26E-08	4.36E-07	9.60E-07	6.20E-08	5.07E-07	1.13E-06
9,130	5.36E-08	4.38E-07	9.91E-07	5.26E-08	4.35E-07	9.60E-07	6.20E-08	5.07E-07	1.13E-06
9,131	5.34E-08	4.38E-07	9.91E-07	5.26E-08	4.35E-07	9.58E-07	6.20E-08	5.06E-07	1.13E-06
9,132	5.34E-08	4.38E-07	9.90E-07	5.26E-08	4.35E-07	9.58E-07	6.20E-08	5.06E-07	1.13E-06
9,133	5.34E-08	4.37E-07	9.89E-07	5.25E-08	4.35E-07	9.56E-07	6.19E-08	5.05E-07	1.13E-06
9,134	5.34E-08	4.37E-07	9.88E-07	5.25E-08	4.35E-07	9.56E-07	6.19E-08	5.04E-07	1.13E-06
9,135	5.33E-08	4.37E-07	9.88E-07	5.24E-08	4.35E-07	9.56E-07	6.18E-08	5.04E-07	1.13E-06
9,136	5.32E-08	4.36E-07	9.88E-07	5.24E-08	4.34E-07	9.55E-07	6.18E-08	5.04E-07	1.13E-06
9,137	5.32E-08	4.36E-07	9.87E-07	5.24E-08	4.34E-07	9.54E-07	6.17E-08	5.04E-07	1.12E-06
9,138	5.31E-08	4.35E-07	9.87E-07	5.24E-08	4.33E-07	9.54E-07	6.16E-08	5.04E-07	1.12E-06
9,139	5.31E-08	4.35E-07	9.85E-07	5.23E-08	4.33E-07	9.54E-07	6.16E-08	5.03E-07	1.12E-06
9,140	5.31E-08	4.34E-07	9.83E-07	5.23E-08	4.33E-07	9.54E-07	6.16E-08	5.03E-07	1.12E-06
9,141	5.31E-08	4.34E-07	9.83E-07	5.23E-08	4.33E-07	9.53E-07	6.16E-08	5.01E-07	1.12E-06
9,142	5.31E-08	4.34E-07	9.82E-07	5.22E-08	4.33E-07	9.53E-07	6.16E-08	5.00E-07	1.12E-06
9,143	5.30E-08	4.33E-07	9.82E-07	5.21E-08	4.32E-07	9.53E-07	6.16E-08	5.00E-07	1.12E-06
9,144	5.30E-08	4.33E-07	9.81E-07	5.21E-08	4.32E-07	9.53E-07	6.16E-08	5.00E-07	1.12E-06
9,145	5.30E-08	4.33E-07	9.81E-07	5.21E-08	4.32E-07	9.53E-07	6.15E-08	5.00E-07	1.12E-06
9,146	5.30E-08	4.33E-07	9.81E-07	5.20E-08	4.32E-07	9.52E-07	6.15E-08	5.00E-07	1.12E-06
9,147	5.29E-08	4.32E-07	9.80E-07	5.19E-08	4.31E-07	9.51E-07	6.14E-08	5.00E-07	1.12E-06
9,148	5.29E-08	4.32E-07	9.80E-07	5.19E-08	4.31E-07	9.50E-07	6.14E-08	5.00E-07	1.11E-06
9,149	5.28E-08	4.31E-07	9.80E-07	5.18E-08	4.30E-07	9.49E-07	6.13E-08	5.00E-07	1.11E-06
9,150	5.28E-08	4.30E-07	9.79E-07	5.18E-08	4.30E-07	9.49E-07	6.12E-08	4.99E-07	1.11E-06
9,151	5.28E-08	4.30E-07	9.78E-07	5.18E-08	4.29E-07	9.49E-07	6.12E-08	4.98E-07	1.11E-06
9,152	5.27E-08	4.29E-07	9.78E-07	5.17E-08	4.29E-07	9.48E-07	6.11E-08	4.98E-07	1.11E-06
9,153	5.27E-08	4.28E-07	9.78E-07	5.17E-08	4.29E-07	9.47E-07	6.11E-08	4.96E-07	1.11E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,154	5.26E-08	4.28E-07	9.78E-07	5.17E-08	4.28E-07	9.47E-07	6.11E-08	4.96E-07	1.11E-06
9,155	5.26E-08	4.27E-07	9.77E-07	5.17E-08	4.28E-07	9.46E-07	6.11E-08	4.96E-07	1.11E-06
9,156	5.26E-08	4.27E-07	9.77E-07	5.17E-08	4.28E-07	9.45E-07	6.10E-08	4.96E-07	1.11E-06
9,157	5.25E-08	4.26E-07	9.77E-07	5.16E-08	4.28E-07	9.44E-07	6.10E-08	4.96E-07	1.11E-06
9,158	5.25E-08	4.26E-07	9.76E-07	5.15E-08	4.28E-07	9.44E-07	6.10E-08	4.96E-07	1.11E-06
9,159	5.25E-08	4.25E-07	9.75E-07	5.15E-08	4.27E-07	9.43E-07	6.10E-08	4.96E-07	1.11E-06
9,160	5.25E-08	4.25E-07	9.75E-07	5.14E-08	4.27E-07	9.43E-07	6.10E-08	4.96E-07	1.11E-06
9,161	5.24E-08	4.25E-07	9.75E-07	5.14E-08	4.27E-07	9.43E-07	6.09E-08	4.95E-07	1.11E-06
9,162	5.24E-08	4.24E-07	9.75E-07	5.14E-08	4.27E-07	9.41E-07	6.09E-08	4.95E-07	1.11E-06
9,163	5.23E-08	4.24E-07	9.74E-07	5.14E-08	4.27E-07	9.41E-07	6.08E-08	4.95E-07	1.10E-06
9,164	5.23E-08	4.23E-07	9.73E-07	5.14E-08	4.27E-07	9.41E-07	6.08E-08	4.94E-07	1.10E-06
9,165	5.21E-08	4.23E-07	9.73E-07	5.14E-08	4.27E-07	9.41E-07	6.08E-08	4.94E-07	1.10E-06
9,166	5.21E-08	4.23E-07	9.73E-07	5.13E-08	4.26E-07	9.40E-07	6.08E-08	4.93E-07	1.10E-06
9,167	5.20E-08	4.23E-07	9.72E-07	5.12E-08	4.26E-07	9.39E-07	6.07E-08	4.93E-07	1.10E-06
9,168	5.20E-08	4.22E-07	9.71E-07	5.11E-08	4.26E-07	9.39E-07	6.07E-08	4.93E-07	1.10E-06
9,169	5.20E-08	4.22E-07	9.71E-07	5.10E-08	4.26E-07	9.38E-07	6.07E-08	4.93E-07	1.10E-06
9,170	5.20E-08	4.22E-07	9.70E-07	5.10E-08	4.25E-07	9.38E-07	6.05E-08	4.93E-07	1.10E-06
9,171	5.19E-08	4.21E-07	9.68E-07	5.09E-08	4.25E-07	9.37E-07	6.05E-08	4.92E-07	1.10E-06
9,172	5.19E-08	4.21E-07	9.67E-07	5.09E-08	4.24E-07	9.37E-07	6.04E-08	4.92E-07	1.10E-06
9,173	5.18E-08	4.20E-07	9.66E-07	5.09E-08	4.24E-07	9.37E-07	6.04E-08	4.91E-07	1.10E-06
9,174	5.17E-08	4.20E-07	9.66E-07	5.09E-08	4.24E-07	9.36E-07	6.03E-08	4.91E-07	1.10E-06
9,175	5.17E-08	4.20E-07	9.66E-07	5.08E-08	4.23E-07	9.35E-07	6.03E-08	4.90E-07	1.10E-06
9,176	5.17E-08	4.20E-07	9.66E-07	5.08E-08	4.23E-07	9.34E-07	6.02E-08	4.90E-07	1.10E-06
9,177	5.17E-08	4.19E-07	9.66E-07	5.08E-08	4.23E-07	9.34E-07	6.02E-08	4.89E-07	1.09E-06
9,178	5.16E-08	4.19E-07	9.64E-07	5.08E-08	4.22E-07	9.34E-07	6.02E-08	4.89E-07	1.09E-06
9,179	5.16E-08	4.18E-07	9.64E-07	5.07E-08	4.22E-07	9.33E-07	6.01E-08	4.89E-07	1.09E-06
9,180	5.16E-08	4.18E-07	9.63E-07	5.06E-08	4.21E-07	9.31E-07	6.01E-08	4.89E-07	1.09E-06
9,181	5.16E-08	4.18E-07	9.62E-07	5.06E-08	4.21E-07	9.31E-07	6.01E-08	4.88E-07	1.09E-06
9,182	5.16E-08	4.17E-07	9.62E-07	5.06E-08	4.20E-07	9.30E-07	6.01E-08	4.87E-07	1.09E-06
9,183	5.16E-08	4.17E-07	9.61E-07	5.06E-08	4.20E-07	9.29E-07	6.01E-08	4.86E-07	1.09E-06
9,184	5.15E-08	4.17E-07	9.60E-07	5.06E-08	4.20E-07	9.29E-07	5.99E-08	4.86E-07	1.09E-06
9,185	5.14E-08	4.17E-07	9.60E-07	5.06E-08	4.20E-07	9.29E-07	5.97E-08	4.86E-07	1.08E-06
9,186	5.14E-08	4.17E-07	9.60E-07	5.06E-08	4.19E-07	9.29E-07	5.97E-08	4.86E-07	1.08E-06
9,187	5.13E-08	4.17E-07	9.59E-07	5.05E-08	4.19E-07	9.28E-07	5.97E-08	4.86E-07	1.08E-06
9,188	5.13E-08	4.16E-07	9.58E-07	5.05E-08	4.19E-07	9.28E-07	5.96E-08	4.85E-07	1.08E-06
9,189	5.12E-08	4.16E-07	9.58E-07	5.04E-08	4.19E-07	9.28E-07	5.96E-08	4.85E-07	1.08E-06
9,190	5.12E-08	4.16E-07	9.57E-07	5.03E-08	4.18E-07	9.27E-07	5.96E-08	4.85E-07	1.08E-06
9,191	5.11E-08	4.16E-07	9.56E-07	5.03E-08	4.18E-07	9.26E-07	5.96E-08	4.85E-07	1.08E-06
9,192	5.11E-08	4.15E-07	9.55E-07	5.03E-08	4.18E-07	9.26E-07	5.96E-08	4.84E-07	1.08E-06
9,193	5.11E-08	4.15E-07	9.55E-07	5.03E-08	4.18E-07	9.26E-07	5.95E-08	4.84E-07	1.08E-06
9,194	5.10E-08	4.14E-07	9.55E-07	5.02E-08	4.17E-07	9.25E-07	5.95E-08	4.83E-07	1.08E-06
9,195	5.09E-08	4.14E-07	9.54E-07	5.02E-08	4.17E-07	9.25E-07	5.95E-08	4.83E-07	1.07E-06
9,196	5.09E-08	4.13E-07	9.54E-07	5.02E-08	4.17E-07	9.25E-07	5.94E-08	4.83E-07	1.07E-06
9,197	5.09E-08	4.13E-07	9.54E-07	5.01E-08	4.17E-07	9.24E-07	5.94E-08	4.82E-07	1.07E-06
9,198	5.09E-08	4.13E-07	9.53E-07	5.01E-08	4.17E-07	9.23E-07	5.94E-08	4.82E-07	1.07E-06
9,199	5.09E-08	4.13E-07	9.52E-07	5.00E-08	4.17E-07	9.20E-07	5.94E-08	4.82E-07	1.07E-06
9,200	5.08E-08	4.13E-07	9.52E-07	5.00E-08	4.17E-07	9.20E-07	5.93E-08	4.82E-07	1.07E-06
9,201	5.07E-08	4.13E-07	9.51E-07	5.00E-08	4.16E-07	9.19E-07	5.92E-08	4.81E-07	1.07E-06
9,202	5.07E-08	4.13E-07	9.51E-07	5.00E-08	4.16E-07	9.18E-07	5.92E-08	4.81E-07	1.07E-06
9,203	5.07E-08	4.13E-07	9.50E-07	5.00E-08	4.16E-07	9.18E-07	5.92E-08	4.81E-07	1.07E-06
9,204	5.06E-08	4.13E-07	9.50E-07	4.99E-08	4.16E-07	9.17E-07	5.91E-08	4.80E-07	1.07E-06
9,205	5.06E-08	4.12E-07	9.49E-07	4.99E-08	4.15E-07	9.16E-07	5.91E-08	4.80E-07	1.07E-06
9,206	5.04E-08	4.11E-07	9.49E-07	4.99E-08	4.15E-07	9.16E-07	5.90E-08	4.80E-07	1.07E-06
9,207	5.04E-08	4.11E-07	9.48E-07	4.98E-08	4.14E-07	9.14E-07	5.90E-08	4.80E-07	1.07E-06
9,208	5.04E-08	4.11E-07	9.47E-07	4.97E-08	4.14E-07	9.14E-07	5.89E-08	4.80E-07	1.07E-06
9,209	5.04E-08	4.10E-07	9.47E-07	4.97E-08	4.13E-07	9.14E-07	5.89E-08	4.79E-07	1.07E-06
9,210	5.04E-08	4.10E-07	9.47E-07	4.97E-08	4.13E-07	9.13E-07	5.88E-08	4.79E-07	1.07E-06
9,211	5.03E-08	4.10E-07	9.47E-07	4.96E-08	4.12E-07	9.12E-07	5.88E-08	4.78E-07	1.07E-06
9,212	5.03E-08	4.10E-07	9.43E-07	4.96E-08	4.11E-07	9.11E-07	5.88E-08	4.78E-07	1.06E-06
9,213	5.02E-08	4.09E-07	9.42E-07	4.96E-08	4.11E-07	9.11E-07	5.87E-08	4.77E-07	1.06E-06
9,214	5.02E-08	4.09E-07	9.41E-07	4.96E-08	4.10E-07	9.11E-07	5.87E-08	4.77E-07	1.06E-06
9,215	5.02E-08	4.09E-07	9.41E-07	4.96E-08	4.10E-07	9.09E-07	5.86E-08	4.77E-07	1.06E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,216	5.02E-08	4.09E-07	9.40E-07	4.96E-08	4.10E-07	9.09E-07	5.86E-08	4.77E-07	1.06E-06
9,217	5.01E-08	4.08E-07	9.40E-07	4.96E-08	4.10E-07	9.09E-07	5.85E-08	4.77E-07	1.06E-06
9,218	5.01E-08	4.08E-07	9.39E-07	4.95E-08	4.10E-07	9.08E-07	5.85E-08	4.77E-07	1.06E-06
9,219	5.01E-08	4.08E-07	9.39E-07	4.95E-08	4.09E-07	9.08E-07	5.84E-08	4.76E-07	1.06E-06
9,220	5.00E-08	4.08E-07	9.38E-07	4.95E-08	4.09E-07	9.08E-07	5.84E-08	4.76E-07	1.06E-06
9,221	5.00E-08	4.08E-07	9.37E-07	4.95E-08	4.09E-07	9.08E-07	5.84E-08	4.76E-07	1.06E-06
9,222	5.00E-08	4.07E-07	9.37E-07	4.95E-08	4.09E-07	9.07E-07	5.83E-08	4.76E-07	1.06E-06
9,223	4.99E-08	4.07E-07	9.35E-07	4.94E-08	4.09E-07	9.07E-07	5.83E-08	4.75E-07	1.06E-06
9,224	4.99E-08	4.07E-07	9.34E-07	4.94E-08	4.09E-07	9.05E-07	5.80E-08	4.75E-07	1.05E-06
9,225	4.98E-08	4.07E-07	9.34E-07	4.94E-08	4.09E-07	9.04E-07	5.80E-08	4.74E-07	1.05E-06
9,226	4.98E-08	4.07E-07	9.34E-07	4.94E-08	4.09E-07	9.04E-07	5.78E-08	4.74E-07	1.05E-06
9,227	4.98E-08	4.06E-07	9.34E-07	4.94E-08	4.09E-07	9.03E-07	5.78E-08	4.74E-07	1.05E-06
9,228	4.98E-08	4.05E-07	9.32E-07	4.93E-08	4.09E-07	9.02E-07	5.78E-08	4.74E-07	1.05E-06
9,229	4.96E-08	4.05E-07	9.30E-07	4.93E-08	4.09E-07	9.01E-07	5.77E-08	4.73E-07	1.05E-06
9,230	4.96E-08	4.05E-07	9.30E-07	4.92E-08	4.09E-07	9.00E-07	5.77E-08	4.73E-07	1.05E-06
9,231	4.96E-08	4.05E-07	9.28E-07	4.92E-08	4.08E-07	9.00E-07	5.76E-08	4.72E-07	1.05E-06
9,232	4.95E-08	4.05E-07	9.28E-07	4.89E-08	4.08E-07	9.00E-07	5.75E-08	4.71E-07	1.05E-06
9,233	4.95E-08	4.04E-07	9.28E-07	4.89E-08	4.08E-07	8.99E-07	5.75E-08	4.71E-07	1.05E-06
9,234	4.94E-08	4.04E-07	9.27E-07	4.88E-08	4.08E-07	8.98E-07	5.75E-08	4.71E-07	1.05E-06
9,235	4.94E-08	4.03E-07	9.26E-07	4.88E-08	4.08E-07	8.97E-07	5.74E-08	4.70E-07	1.05E-06
9,236	4.93E-08	4.02E-07	9.26E-07	4.88E-08	4.08E-07	8.96E-07	5.74E-08	4.70E-07	1.05E-06
9,237	4.93E-08	4.02E-07	9.26E-07	4.87E-08	4.08E-07	8.95E-07	5.73E-08	4.70E-07	1.04E-06
9,238	4.92E-08	4.02E-07	9.26E-07	4.87E-08	4.08E-07	8.95E-07	5.73E-08	4.70E-07	1.04E-06
9,239	4.91E-08	4.02E-07	9.26E-07	4.86E-08	4.07E-07	8.95E-07	5.73E-08	4.69E-07	1.04E-06
9,240	4.91E-08	4.02E-07	9.25E-07	4.86E-08	4.07E-07	8.94E-07	5.72E-08	4.69E-07	1.04E-06
9,241	4.91E-08	4.02E-07	9.24E-07	4.86E-08	4.06E-07	8.94E-07	5.72E-08	4.69E-07	1.04E-06
9,242	4.90E-08	4.01E-07	9.23E-07	4.86E-08	4.06E-07	8.94E-07	5.72E-08	4.68E-07	1.04E-06
9,243	4.90E-08	4.00E-07	9.22E-07	4.86E-08	4.06E-07	8.93E-07	5.71E-08	4.68E-07	1.04E-06
9,244	4.90E-08	3.99E-07	9.21E-07	4.85E-08	4.05E-07	8.93E-07	5.71E-08	4.68E-07	1.04E-06
9,245	4.89E-08	3.99E-07	9.20E-07	4.85E-08	4.05E-07	8.93E-07	5.71E-08	4.67E-07	1.04E-06
9,246	4.89E-08	3.99E-07	9.19E-07	4.85E-08	4.05E-07	8.93E-07	5.71E-08	4.66E-07	1.03E-06
9,247	4.88E-08	3.99E-07	9.19E-07	4.85E-08	4.05E-07	8.93E-07	5.71E-08	4.66E-07	1.03E-06
9,248	4.88E-08	3.99E-07	9.19E-07	4.85E-08	4.04E-07	8.91E-07	5.69E-08	4.66E-07	1.03E-06
9,249	4.87E-08	3.99E-07	9.19E-07	4.84E-08	4.04E-07	8.91E-07	5.69E-08	4.65E-07	1.03E-06
9,250	4.87E-08	3.99E-07	9.19E-07	4.84E-08	4.03E-07	8.91E-07	5.68E-08	4.65E-07	1.03E-06
9,251	4.87E-08	3.98E-07	9.18E-07	4.83E-08	4.03E-07	8.91E-07	5.68E-08	4.65E-07	1.03E-06
9,252	4.86E-08	3.98E-07	9.18E-07	4.83E-08	4.03E-07	8.91E-07	5.68E-08	4.64E-07	1.03E-06
9,253	4.86E-08	3.98E-07	9.17E-07	4.83E-08	4.03E-07	8.90E-07	5.68E-08	4.64E-07	1.03E-06
9,254	4.86E-08	3.98E-07	9.17E-07	4.82E-08	4.03E-07	8.89E-07	5.68E-08	4.63E-07	1.03E-06
9,255	4.86E-08	3.98E-07	9.17E-07	4.82E-08	4.02E-07	8.89E-07	5.67E-08	4.63E-07	1.03E-06
9,256	4.86E-08	3.98E-07	9.16E-07	4.82E-08	4.02E-07	8.88E-07	5.67E-08	4.63E-07	1.02E-06
9,257	4.85E-08	3.98E-07	9.16E-07	4.81E-08	4.00E-07	8.87E-07	5.67E-08	4.62E-07	1.02E-06
9,258	4.84E-08	3.97E-07	9.14E-07	4.81E-08	4.00E-07	8.85E-07	5.67E-08	4.61E-07	1.02E-06
9,259	4.84E-08	3.97E-07	9.14E-07	4.81E-08	3.99E-07	8.85E-07	5.67E-08	4.61E-07	1.02E-06
9,260	4.84E-08	3.96E-07	9.14E-07	4.81E-08	3.99E-07	8.84E-07	5.66E-08	4.60E-07	1.02E-06
9,261	4.83E-08	3.95E-07	9.13E-07	4.81E-08	3.99E-07	8.84E-07	5.65E-08	4.60E-07	1.02E-06
9,262	4.83E-08	3.94E-07	9.12E-07	4.81E-08	3.99E-07	8.84E-07	5.65E-08	4.59E-07	1.02E-06
9,263	4.83E-08	3.92E-07	9.11E-07	4.80E-08	3.99E-07	8.84E-07	5.65E-08	4.59E-07	1.02E-06
9,264	4.82E-08	3.92E-07	9.10E-07	4.80E-08	3.98E-07	8.82E-07	5.62E-08	4.59E-07	1.02E-06
9,265	4.82E-08	3.92E-07	9.10E-07	4.79E-08	3.98E-07	8.82E-07	5.61E-08	4.59E-07	1.02E-06
9,266	4.81E-08	3.91E-07	9.10E-07	4.79E-08	3.97E-07	8.81E-07	5.60E-08	4.57E-07	1.02E-06
9,267	4.81E-08	3.91E-07	9.09E-07	4.79E-08	3.97E-07	8.81E-07	5.60E-08	4.57E-07	1.02E-06
9,268	4.80E-08	3.91E-07	9.09E-07	4.78E-08	3.97E-07	8.80E-07	5.60E-08	4.57E-07	1.01E-06
9,269	4.80E-08	3.91E-07	9.08E-07	4.78E-08	3.97E-07	8.79E-07	5.60E-08	4.55E-07	1.01E-06
9,270	4.80E-08	3.90E-07	9.08E-07	4.78E-08	3.97E-07	8.78E-07	5.60E-08	4.54E-07	1.01E-06
9,271	4.79E-08	3.90E-07	9.07E-07	4.78E-08	3.97E-07	8.77E-07	5.59E-08	4.53E-07	1.01E-06
9,272	4.79E-08	3.89E-07	9.07E-07	4.78E-08	3.97E-07	8.77E-07	5.58E-08	4.53E-07	1.01E-06
9,273	4.78E-08	3.89E-07	9.06E-07	4.77E-08	3.97E-07	8.76E-07	5.58E-08	4.52E-07	1.01E-06
9,274	4.78E-08	3.89E-07	9.05E-07	4.76E-08	3.96E-07	8.76E-07	5.57E-08	4.52E-07	1.01E-06
9,275	4.78E-08	3.89E-07	9.04E-07	4.76E-08	3.95E-07	8.75E-07	5.57E-08	4.52E-07	1.01E-06
9,276	4.78E-08	3.89E-07	9.04E-07	4.76E-08	3.95E-07	8.74E-07	5.57E-08	4.51E-07	1.01E-06
9,277	4.77E-08	3.88E-07	9.03E-07	4.75E-08	3.95E-07	8.74E-07	5.57E-08	4.50E-07	1.01E-06

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,278	4.77E-08	3.88E-07	9.02E-07	4.75E-08	3.95E-07	8.74E-07	5.56E-08	4.49E-07	1.01E-06
9,279	4.77E-08	3.87E-07	9.01E-07	4.75E-08	3.95E-07	8.73E-07	5.55E-08	4.49E-07	1.01E-06
9,280	4.77E-08	3.87E-07	9.00E-07	4.74E-08	3.95E-07	8.72E-07	5.55E-08	4.48E-07	1.00E-06
9,281	4.75E-08	3.87E-07	9.00E-07	4.74E-08	3.95E-07	8.71E-07	5.54E-08	4.48E-07	1.00E-06
9,282	4.74E-08	3.87E-07	8.99E-07	4.74E-08	3.94E-07	8.71E-07	5.53E-08	4.47E-07	1.00E-06
9,283	4.73E-08	3.87E-07	8.99E-07	4.73E-08	3.94E-07	8.71E-07	5.53E-08	4.47E-07	1.00E-06
9,284	4.73E-08	3.86E-07	8.99E-07	4.73E-08	3.94E-07	8.70E-07	5.52E-08	4.47E-07	1.00E-06
9,285	4.72E-08	3.86E-07	8.98E-07	4.73E-08	3.94E-07	8.70E-07	5.52E-08	4.47E-07	1.00E-06
9,286	4.72E-08	3.86E-07	8.98E-07	4.72E-08	3.93E-07	8.70E-07	5.52E-08	4.46E-07	1.00E-06
9,287	4.72E-08	3.85E-07	8.97E-07	4.72E-08	3.92E-07	8.69E-07	5.52E-08	4.46E-07	1.00E-06
9,288	4.72E-08	3.85E-07	8.96E-07	4.72E-08	3.92E-07	8.66E-07	5.52E-08	4.46E-07	9.96E-07
9,289	4.72E-08	3.85E-07	8.96E-07	4.72E-08	3.91E-07	8.66E-07	5.52E-08	4.46E-07	9.96E-07
9,290	4.71E-08	3.84E-07	8.95E-07	4.71E-08	3.91E-07	8.66E-07	5.51E-08	4.46E-07	9.96E-07
9,291	4.71E-08	3.84E-07	8.94E-07	4.71E-08	3.90E-07	8.65E-07	5.50E-08	4.45E-07	9.96E-07
9,292	4.71E-08	3.84E-07	8.92E-07	4.71E-08	3.90E-07	8.65E-07	5.49E-08	4.45E-07	9.95E-07
9,293	4.70E-08	3.84E-07	8.91E-07	4.70E-08	3.89E-07	8.65E-07	5.49E-08	4.45E-07	9.94E-07
9,294	4.69E-08	3.83E-07	8.89E-07	4.69E-08	3.89E-07	8.65E-07	5.48E-08	4.44E-07	9.92E-07
9,295	4.69E-08	3.82E-07	8.88E-07	4.69E-08	3.89E-07	8.64E-07	5.48E-08	4.44E-07	9.92E-07
9,296	4.69E-08	3.82E-07	8.88E-07	4.69E-08	3.89E-07	8.63E-07	5.48E-08	4.44E-07	9.91E-07
9,297	4.68E-08	3.81E-07	8.87E-07	4.69E-08	3.88E-07	8.58E-07	5.48E-08	4.42E-07	9.91E-07
9,298	4.68E-08	3.81E-07	8.87E-07	4.67E-08	3.88E-07	8.58E-07	5.47E-08	4.41E-07	9.91E-07
9,299	4.67E-08	3.81E-07	8.86E-07	4.67E-08	3.88E-07	8.58E-07	5.47E-08	4.41E-07	9.90E-07
9,300	4.67E-08	3.80E-07	8.85E-07	4.66E-08	3.87E-07	8.57E-07	5.47E-08	4.40E-07	9.89E-07
9,301	4.67E-08	3.80E-07	8.85E-07	4.66E-08	3.87E-07	8.57E-07	5.47E-08	4.40E-07	9.88E-07
9,302	4.65E-08	3.80E-07	8.85E-07	4.65E-08	3.87E-07	8.56E-07	5.47E-08	4.39E-07	9.88E-07
9,303	4.64E-08	3.80E-07	8.82E-07	4.65E-08	3.87E-07	8.55E-07	5.47E-08	4.39E-07	9.88E-07
9,304	4.64E-08	3.79E-07	8.82E-07	4.64E-08	3.87E-07	8.55E-07	5.46E-08	4.38E-07	9.87E-07
9,305	4.64E-08	3.79E-07	8.82E-07	4.64E-08	3.87E-07	8.54E-07	5.44E-08	4.38E-07	9.87E-07
9,306	4.64E-08	3.79E-07	8.82E-07	4.64E-08	3.86E-07	8.53E-07	5.44E-08	4.37E-07	9.85E-07
9,307	4.63E-08	3.79E-07	8.82E-07	4.64E-08	3.86E-07	8.53E-07	5.44E-08	4.37E-07	9.85E-07
9,308	4.63E-08	3.78E-07	8.81E-07	4.64E-08	3.85E-07	8.53E-07	5.44E-08	4.37E-07	9.84E-07
9,309	4.62E-08	3.78E-07	8.80E-07	4.63E-08	3.85E-07	8.51E-07	5.44E-08	4.37E-07	9.82E-07
9,310	4.62E-08	3.78E-07	8.79E-07	4.63E-08	3.85E-07	8.51E-07	5.43E-08	4.36E-07	9.82E-07
9,311	4.62E-08	3.78E-07	8.79E-07	4.63E-08	3.85E-07	8.51E-07	5.43E-08	4.36E-07	9.82E-07
9,312	4.62E-08	3.78E-07	8.78E-07	4.63E-08	3.85E-07	8.50E-07	5.43E-08	4.36E-07	9.81E-07
9,313	4.62E-08	3.78E-07	8.77E-07	4.62E-08	3.84E-07	8.48E-07	5.43E-08	4.36E-07	9.80E-07
9,314	4.61E-08	3.77E-07	8.77E-07	4.62E-08	3.84E-07	8.48E-07	5.43E-08	4.36E-07	9.80E-07
9,315	4.61E-08	3.77E-07	8.76E-07	4.62E-08	3.84E-07	8.44E-07	5.42E-08	4.36E-07	9.79E-07
9,316	4.61E-08	3.77E-07	8.76E-07	4.62E-08	3.83E-07	8.44E-07	5.42E-08	4.36E-07	9.79E-07
9,317	4.60E-08	3.76E-07	8.76E-07	4.62E-08	3.83E-07	8.44E-07	5.41E-08	4.35E-07	9.79E-07
9,318	4.59E-08	3.76E-07	8.75E-07	4.62E-08	3.83E-07	8.44E-07	5.41E-08	4.35E-07	9.79E-07
9,319	4.59E-08	3.75E-07	8.74E-07	4.62E-08	3.83E-07	8.44E-07	5.41E-08	4.34E-07	9.79E-07
9,320	4.59E-08	3.75E-07	8.74E-07	4.61E-08	3.83E-07	8.43E-07	5.41E-08	4.34E-07	9.76E-07
9,321	4.58E-08	3.75E-07	8.74E-07	4.60E-08	3.82E-07	8.43E-07	5.40E-08	4.34E-07	9.75E-07
9,322	4.58E-08	3.75E-07	8.72E-07	4.60E-08	3.82E-07	8.43E-07	5.40E-08	4.34E-07	9.75E-07
9,323	4.58E-08	3.74E-07	8.72E-07	4.60E-08	3.81E-07	8.42E-07	5.39E-08	4.33E-07	9.74E-07
9,324	4.58E-08	3.74E-07	8.71E-07	4.60E-08	3.81E-07	8.42E-07	5.39E-08	4.33E-07	9.73E-07
9,325	4.58E-08	3.74E-07	8.71E-07	4.60E-08	3.81E-07	8.41E-07	5.39E-08	4.33E-07	9.73E-07
9,326	4.57E-08	3.73E-07	8.71E-07	4.60E-08	3.80E-07	8.40E-07	5.38E-08	4.33E-07	9.73E-07
9,327	4.57E-08	3.73E-07	8.71E-07	4.60E-08	3.80E-07	8.40E-07	5.38E-08	4.32E-07	9.73E-07
9,328	4.56E-08	3.72E-07	8.70E-07	4.59E-08	3.80E-07	8.40E-07	5.38E-08	4.32E-07	9.73E-07
9,329	4.55E-08	3.72E-07	8.68E-07	4.59E-08	3.80E-07	8.39E-07	5.37E-08	4.32E-07	9.73E-07
9,330	4.55E-08	3.72E-07	8.66E-07	4.58E-08	3.79E-07	8.39E-07	5.37E-08	4.31E-07	9.71E-07
9,331	4.55E-08	3.72E-07	8.66E-07	4.58E-08	3.79E-07	8.38E-07	5.37E-08	4.31E-07	9.71E-07
9,332	4.55E-08	3.72E-07	8.65E-07	4.58E-08	3.79E-07	8.38E-07	5.36E-08	4.31E-07	9.70E-07
9,333	4.55E-08	3.72E-07	8.65E-07	4.58E-08	3.79E-07	8.37E-07	5.36E-08	4.31E-07	9.69E-07
9,334	4.55E-08	3.71E-07	8.62E-07	4.58E-08	3.79E-07	8.37E-07	5.35E-08	4.31E-07	9.66E-07
9,335	4.55E-08	3.71E-07	8.62E-07	4.57E-08	3.77E-07	8.37E-07	5.33E-08	4.30E-07	9.65E-07
9,336	4.55E-08	3.71E-07	8.62E-07	4.57E-08	3.77E-07	8.36E-07	5.32E-08	4.30E-07	9.65E-07
9,337	4.54E-08	3.70E-07	8.61E-07	4.56E-08	3.76E-07	8.34E-07	5.31E-08	4.29E-07	9.63E-07
9,338	4.54E-08	3.70E-07	8.60E-07	4.56E-08	3.76E-07	8.34E-07	5.31E-08	4.28E-07	9.63E-07
9,339	4.54E-08	3.70E-07	8.60E-07	4.55E-08	3.75E-07	8.34E-07	5.31E-08	4.28E-07	9.60E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,340	4.54E-08	3.70E-07	8.60E-07	4.54E-08	3.75E-07	8.34E-07	5.31E-08	4.27E-07	9.59E-07
9,341	4.53E-08	3.70E-07	8.59E-07	4.54E-08	3.74E-07	8.33E-07	5.30E-08	4.27E-07	9.59E-07
9,342	4.53E-08	3.70E-07	8.59E-07	4.53E-08	3.74E-07	8.32E-07	5.29E-08	4.27E-07	9.58E-07
9,343	4.53E-08	3.69E-07	8.59E-07	4.53E-08	3.74E-07	8.29E-07	5.29E-08	4.26E-07	9.58E-07
9,344	4.52E-08	3.69E-07	8.59E-07	4.52E-08	3.74E-07	8.28E-07	5.29E-08	4.24E-07	9.57E-07
9,345	4.52E-08	3.68E-07	8.58E-07	4.52E-08	3.73E-07	8.28E-07	5.29E-08	4.24E-07	9.57E-07
9,346	4.51E-08	3.68E-07	8.57E-07	4.52E-08	3.73E-07	8.27E-07	5.28E-08	4.24E-07	9.56E-07
9,347	4.51E-08	3.67E-07	8.57E-07	4.51E-08	3.73E-07	8.27E-07	5.27E-08	4.24E-07	9.56E-07
9,348	4.49E-08	3.67E-07	8.57E-07	4.51E-08	3.73E-07	8.25E-07	5.27E-08	4.23E-07	9.55E-07
9,349	4.49E-08	3.66E-07	8.56E-07	4.50E-08	3.73E-07	8.24E-07	5.26E-08	4.23E-07	9.55E-07
9,350	4.49E-08	3.66E-07	8.54E-07	4.50E-08	3.73E-07	8.24E-07	5.24E-08	4.23E-07	9.55E-07
9,351	4.49E-08	3.66E-07	8.53E-07	4.50E-08	3.73E-07	8.23E-07	5.24E-08	4.23E-07	9.54E-07
9,352	4.49E-08	3.66E-07	8.51E-07	4.49E-08	3.72E-07	8.23E-07	5.22E-08	4.22E-07	9.53E-07
9,353	4.49E-08	3.65E-07	8.51E-07	4.49E-08	3.72E-07	8.20E-07	5.22E-08	4.22E-07	9.53E-07
9,354	4.49E-08	3.65E-07	8.51E-07	4.49E-08	3.72E-07	8.19E-07	5.21E-08	4.21E-07	9.52E-07
9,355	4.48E-08	3.65E-07	8.50E-07	4.48E-08	3.71E-07	8.18E-07	5.21E-08	4.21E-07	9.52E-07
9,356	4.48E-08	3.65E-07	8.49E-07	4.48E-08	3.71E-07	8.18E-07	5.21E-08	4.20E-07	9.51E-07
9,357	4.48E-08	3.65E-07	8.48E-07	4.48E-08	3.71E-07	8.18E-07	5.20E-08	4.19E-07	9.51E-07
9,358	4.48E-08	3.64E-07	8.47E-07	4.48E-08	3.71E-07	8.18E-07	5.20E-08	4.18E-07	9.50E-07
9,359	4.48E-08	3.63E-07	8.46E-07	4.47E-08	3.71E-07	8.16E-07	5.20E-08	4.18E-07	9.47E-07
9,360	4.48E-08	3.63E-07	8.46E-07	4.47E-08	3.70E-07	8.16E-07	5.20E-08	4.18E-07	9.46E-07
9,361	4.48E-08	3.62E-07	8.45E-07	4.47E-08	3.70E-07	8.16E-07	5.19E-08	4.18E-07	9.45E-07
9,362	4.46E-08	3.62E-07	8.44E-07	4.46E-08	3.70E-07	8.15E-07	5.18E-08	4.18E-07	9.45E-07
9,363	4.46E-08	3.62E-07	8.44E-07	4.45E-08	3.70E-07	8.14E-07	5.17E-08	4.18E-07	9.44E-07
9,364	4.46E-08	3.61E-07	8.43E-07	4.45E-08	3.69E-07	8.14E-07	5.15E-08	4.17E-07	9.41E-07
9,365	4.45E-08	3.61E-07	8.43E-07	4.45E-08	3.69E-07	8.14E-07	5.15E-08	4.17E-07	9.41E-07
9,366	4.45E-08	3.61E-07	8.41E-07	4.45E-08	3.68E-07	8.13E-07	5.15E-08	4.17E-07	9.40E-07
9,367	4.45E-08	3.61E-07	8.39E-07	4.45E-08	3.68E-07	8.12E-07	5.15E-08	4.16E-07	9.38E-07
9,368	4.44E-08	3.60E-07	8.38E-07	4.44E-08	3.67E-07	8.12E-07	5.14E-08	4.15E-07	9.38E-07
9,369	4.44E-08	3.60E-07	8.35E-07	4.44E-08	3.67E-07	8.10E-07	5.13E-08	4.14E-07	9.38E-07
9,370	4.43E-08	3.60E-07	8.35E-07	4.43E-08	3.67E-07	8.09E-07	5.13E-08	4.13E-07	9.37E-07
9,371	4.43E-08	3.59E-07	8.32E-07	4.43E-08	3.67E-07	8.09E-07	5.13E-08	4.12E-07	9.36E-07
9,372	4.42E-08	3.59E-07	8.30E-07	4.42E-08	3.66E-07	8.08E-07	5.13E-08	4.12E-07	9.36E-07
9,373	4.42E-08	3.58E-07	8.29E-07	4.42E-08	3.66E-07	8.07E-07	5.12E-08	4.11E-07	9.35E-07
9,374	4.42E-08	3.58E-07	8.29E-07	4.42E-08	3.66E-07	8.07E-07	5.12E-08	4.11E-07	9.34E-07
9,375	4.42E-08	3.57E-07	8.26E-07	4.42E-08	3.65E-07	8.07E-07	5.12E-08	4.11E-07	9.34E-07
9,376	4.41E-08	3.57E-07	8.26E-07	4.42E-08	3.65E-07	8.06E-07	5.12E-08	4.11E-07	9.33E-07
9,377	4.41E-08	3.57E-07	8.26E-07	4.41E-08	3.65E-07	8.05E-07	5.10E-08	4.10E-07	9.32E-07
9,378	4.40E-08	3.57E-07	8.25E-07	4.41E-08	3.65E-07	8.04E-07	5.10E-08	4.10E-07	9.31E-07
9,379	4.40E-08	3.57E-07	8.22E-07	4.41E-08	3.64E-07	8.04E-07	5.10E-08	4.10E-07	9.31E-07
9,380	4.39E-08	3.57E-07	8.22E-07	4.41E-08	3.64E-07	8.04E-07	5.09E-08	4.10E-07	9.29E-07
9,381	4.38E-08	3.56E-07	8.22E-07	4.40E-08	3.64E-07	8.03E-07	5.09E-08	4.09E-07	9.27E-07
9,382	4.38E-08	3.56E-07	8.22E-07	4.40E-08	3.64E-07	8.03E-07	5.08E-08	4.09E-07	9.26E-07
9,383	4.37E-08	3.56E-07	8.22E-07	4.39E-08	3.64E-07	8.03E-07	5.08E-08	4.09E-07	9.25E-07
9,384	4.37E-08	3.56E-07	8.21E-07	4.39E-08	3.64E-07	8.03E-07	5.07E-08	4.09E-07	9.25E-07
9,385	4.37E-08	3.55E-07	8.19E-07	4.39E-08	3.64E-07	8.02E-07	5.06E-08	4.08E-07	9.25E-07
9,386	4.36E-08	3.55E-07	8.18E-07	4.38E-08	3.64E-07	8.02E-07	5.06E-08	4.08E-07	9.25E-07
9,387	4.36E-08	3.54E-07	8.18E-07	4.38E-08	3.64E-07	8.01E-07	5.04E-08	4.08E-07	9.24E-07
9,388	4.36E-08	3.54E-07	8.17E-07	4.37E-08	3.63E-07	8.01E-07	5.04E-08	4.07E-07	9.22E-07
9,389	4.35E-08	3.54E-07	8.16E-07	4.37E-08	3.62E-07	7.99E-07	5.03E-08	4.07E-07	9.22E-07
9,390	4.35E-08	3.53E-07	8.16E-07	4.36E-08	3.62E-07	7.98E-07	5.03E-08	4.07E-07	9.22E-07
9,391	4.34E-08	3.53E-07	8.14E-07	4.36E-08	3.62E-07	7.98E-07	5.02E-08	4.06E-07	9.21E-07
9,392	4.34E-08	3.52E-07	8.13E-07	4.36E-08	3.62E-07	7.97E-07	5.02E-08	4.06E-07	9.17E-07
9,393	4.34E-08	3.51E-07	8.13E-07	4.36E-08	3.62E-07	7.97E-07	5.01E-08	4.05E-07	9.16E-07
9,394	4.34E-08	3.51E-07	8.11E-07	4.35E-08	3.61E-07	7.96E-07	5.01E-08	4.04E-07	9.15E-07
9,395	4.33E-08	3.51E-07	8.10E-07	4.34E-08	3.61E-07	7.95E-07	5.01E-08	4.03E-07	9.15E-07
9,396	4.33E-08	3.51E-07	8.09E-07	4.34E-08	3.60E-07	7.95E-07	5.00E-08	4.03E-07	9.13E-07
9,397	4.33E-08	3.51E-07	8.09E-07	4.34E-08	3.60E-07	7.94E-07	5.00E-08	4.02E-07	9.13E-07
9,398	4.32E-08	3.51E-07	8.09E-07	4.33E-08	3.60E-07	7.94E-07	4.99E-08	4.01E-07	9.12E-07
9,399	4.32E-08	3.51E-07	8.09E-07	4.33E-08	3.60E-07	7.93E-07	4.99E-08	4.00E-07	9.11E-07
9,400	4.32E-08	3.50E-07	8.08E-07	4.32E-08	3.58E-07	7.93E-07	4.99E-08	4.00E-07	9.08E-07
9,401	4.31E-08	3.50E-07	8.08E-07	4.32E-08	3.57E-07	7.92E-07	4.97E-08	4.00E-07	9.08E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,402	4.31E-08	3.50E-07	8.07E-07	4.32E-08	3.57E-07	7.92E-07	4.96E-08	4.00E-07	9.08E-07
9,403	4.31E-08	3.50E-07	8.06E-07	4.32E-08	3.57E-07	7.92E-07	4.93E-08	3.99E-07	9.07E-07
9,404	4.31E-08	3.49E-07	8.06E-07	4.32E-08	3.57E-07	7.92E-07	4.93E-08	3.98E-07	9.06E-07
9,405	4.30E-08	3.49E-07	8.04E-07	4.31E-08	3.57E-07	7.92E-07	4.92E-08	3.97E-07	9.05E-07
9,406	4.30E-08	3.49E-07	8.03E-07	4.31E-08	3.57E-07	7.92E-07	4.92E-08	3.97E-07	9.03E-07
9,407	4.30E-08	3.49E-07	8.00E-07	4.31E-08	3.56E-07	7.91E-07	4.92E-08	3.97E-07	9.03E-07
9,408	4.29E-08	3.47E-07	7.97E-07	4.31E-08	3.56E-07	7.90E-07	4.91E-08	3.96E-07	9.02E-07
9,409	4.28E-08	3.47E-07	7.97E-07	4.29E-08	3.55E-07	7.90E-07	4.90E-08	3.96E-07	8.99E-07
9,410	4.28E-08	3.47E-07	7.97E-07	4.29E-08	3.55E-07	7.89E-07	4.90E-08	3.96E-07	8.99E-07
9,411	4.27E-08	3.46E-07	7.97E-07	4.28E-08	3.54E-07	7.89E-07	4.90E-08	3.96E-07	8.99E-07
9,412	4.27E-08	3.46E-07	7.97E-07	4.28E-08	3.54E-07	7.89E-07	4.90E-08	3.95E-07	8.98E-07
9,413	4.27E-08	3.45E-07	7.96E-07	4.27E-08	3.54E-07	7.89E-07	4.89E-08	3.95E-07	8.98E-07
9,414	4.27E-08	3.45E-07	7.94E-07	4.27E-08	3.54E-07	7.88E-07	4.88E-08	3.95E-07	8.98E-07
9,415	4.25E-08	3.45E-07	7.93E-07	4.26E-08	3.53E-07	7.87E-07	4.87E-08	3.95E-07	8.98E-07
9,416	4.25E-08	3.45E-07	7.93E-07	4.26E-08	3.53E-07	7.87E-07	4.87E-08	3.95E-07	8.97E-07
9,417	4.25E-08	3.45E-07	7.93E-07	4.26E-08	3.52E-07	7.87E-07	4.87E-08	3.94E-07	8.96E-07
9,418	4.24E-08	3.45E-07	7.93E-07	4.26E-08	3.52E-07	7.87E-07	4.86E-08	3.93E-07	8.96E-07
9,419	4.24E-08	3.44E-07	7.93E-07	4.25E-08	3.51E-07	7.87E-07	4.85E-08	3.93E-07	8.96E-07
9,420	4.24E-08	3.44E-07	7.93E-07	4.25E-08	3.50E-07	7.87E-07	4.84E-08	3.93E-07	8.96E-07
9,421	4.24E-08	3.44E-07	7.91E-07	4.25E-08	3.49E-07	7.87E-07	4.83E-08	3.93E-07	8.96E-07
9,422	4.23E-08	3.44E-07	7.90E-07	4.25E-08	3.49E-07	7.86E-07	4.83E-08	3.92E-07	8.96E-07
9,423	4.23E-08	3.43E-07	7.90E-07	4.24E-08	3.49E-07	7.85E-07	4.82E-08	3.92E-07	8.95E-07
9,424	4.23E-08	3.43E-07	7.87E-07	4.23E-08	3.49E-07	7.84E-07	4.82E-08	3.92E-07	8.95E-07
9,425	4.22E-08	3.43E-07	7.87E-07	4.23E-08	3.49E-07	7.84E-07	4.82E-08	3.92E-07	8.94E-07
9,426	4.22E-08	3.43E-07	7.86E-07	4.23E-08	3.48E-07	7.83E-07	4.80E-08	3.92E-07	8.93E-07
9,427	4.22E-08	3.43E-07	7.86E-07	4.23E-08	3.48E-07	7.82E-07	4.80E-08	3.91E-07	8.93E-07
9,428	4.21E-08	3.42E-07	7.85E-07	4.22E-08	3.48E-07	7.79E-07	4.80E-08	3.91E-07	8.93E-07
9,429	4.19E-08	3.42E-07	7.85E-07	4.21E-08	3.47E-07	7.78E-07	4.80E-08	3.91E-07	8.91E-07
9,430	4.18E-08	3.42E-07	7.83E-07	4.21E-08	3.47E-07	7.78E-07	4.80E-08	3.91E-07	8.90E-07
9,431	4.18E-08	3.41E-07	7.80E-07	4.20E-08	3.47E-07	7.77E-07	4.79E-08	3.90E-07	8.86E-07
9,432	4.17E-08	3.41E-07	7.80E-07	4.20E-08	3.47E-07	7.76E-07	4.79E-08	3.89E-07	8.85E-07
9,433	4.17E-08	3.40E-07	7.79E-07	4.19E-08	3.46E-07	7.76E-07	4.78E-08	3.88E-07	8.84E-07
9,434	4.17E-08	3.40E-07	7.77E-07	4.18E-08	3.46E-07	7.75E-07	4.78E-08	3.88E-07	8.84E-07
9,435	4.16E-08	3.40E-07	7.77E-07	4.17E-08	3.45E-07	7.75E-07	4.77E-08	3.88E-07	8.81E-07
9,436	4.15E-08	3.39E-07	7.77E-07	4.17E-08	3.45E-07	7.75E-07	4.77E-08	3.88E-07	8.80E-07
9,437	4.15E-08	3.39E-07	7.75E-07	4.17E-08	3.45E-07	7.75E-07	4.76E-08	3.87E-07	8.79E-07
9,438	4.15E-08	3.39E-07	7.74E-07	4.17E-08	3.44E-07	7.74E-07	4.76E-08	3.87E-07	8.78E-07
9,439	4.15E-08	3.39E-07	7.73E-07	4.16E-08	3.44E-07	7.74E-07	4.73E-08	3.86E-07	8.77E-07
9,440	4.14E-08	3.39E-07	7.73E-07	4.16E-08	3.44E-07	7.74E-07	4.73E-08	3.86E-07	8.75E-07
9,441	4.13E-08	3.39E-07	7.73E-07	4.16E-08	3.44E-07	7.73E-07	4.72E-08	3.85E-07	8.74E-07
9,442	4.12E-08	3.38E-07	7.73E-07	4.15E-08	3.43E-07	7.72E-07	4.70E-08	3.85E-07	8.74E-07
9,443	4.11E-08	3.38E-07	7.72E-07	4.14E-08	3.43E-07	7.71E-07	4.69E-08	3.84E-07	8.74E-07
9,444	4.11E-08	3.38E-07	7.71E-07	4.14E-08	3.43E-07	7.71E-07	4.69E-08	3.84E-07	8.72E-07
9,445	4.10E-08	3.37E-07	7.69E-07	4.13E-08	3.43E-07	7.70E-07	4.69E-08	3.83E-07	8.72E-07
9,446	4.10E-08	3.37E-07	7.69E-07	4.12E-08	3.42E-07	7.70E-07	4.68E-08	3.83E-07	8.72E-07
9,447	4.10E-08	3.36E-07	7.68E-07	4.12E-08	3.42E-07	7.68E-07	4.68E-08	3.82E-07	8.71E-07
9,448	4.09E-08	3.35E-07	7.68E-07	4.12E-08	3.42E-07	7.68E-07	4.67E-08	3.81E-07	8.69E-07
9,449	4.09E-08	3.35E-07	7.67E-07	4.12E-08	3.41E-07	7.67E-07	4.66E-08	3.81E-07	8.65E-07
9,450	4.09E-08	3.35E-07	7.67E-07	4.11E-08	3.41E-07	7.66E-07	4.65E-08	3.80E-07	8.64E-07
9,451	4.09E-08	3.34E-07	7.66E-07	4.10E-08	3.41E-07	7.66E-07	4.64E-08	3.79E-07	8.63E-07
9,452	4.09E-08	3.34E-07	7.65E-07	4.10E-08	3.40E-07	7.66E-07	4.64E-08	3.79E-07	8.62E-07
9,453	4.08E-08	3.33E-07	7.64E-07	4.10E-08	3.40E-07	7.64E-07	4.62E-08	3.78E-07	8.62E-07
9,454	4.08E-08	3.33E-07	7.64E-07	4.09E-08	3.40E-07	7.64E-07	4.61E-08	3.75E-07	8.62E-07
9,455	4.07E-08	3.32E-07	7.64E-07	4.09E-08	3.39E-07	7.63E-07	4.60E-08	3.75E-07	8.58E-07
9,456	4.07E-08	3.31E-07	7.64E-07	4.09E-08	3.39E-07	7.62E-07	4.60E-08	3.75E-07	8.57E-07
9,457	4.07E-08	3.31E-07	7.63E-07	4.09E-08	3.39E-07	7.62E-07	4.60E-08	3.74E-07	8.57E-07
9,458	4.06E-08	3.31E-07	7.62E-07	4.09E-08	3.38E-07	7.62E-07	4.59E-08	3.73E-07	8.57E-07
9,459	4.05E-08	3.30E-07	7.62E-07	4.08E-08	3.38E-07	7.61E-07	4.59E-08	3.72E-07	8.56E-07
9,460	4.05E-08	3.30E-07	7.62E-07	4.08E-08	3.38E-07	7.60E-07	4.59E-08	3.71E-07	8.54E-07
9,461	4.05E-08	3.30E-07	7.62E-07	4.07E-08	3.38E-07	7.59E-07	4.59E-08	3.71E-07	8.53E-07
9,462	4.05E-08	3.29E-07	7.62E-07	4.07E-08	3.37E-07	7.59E-07	4.58E-08	3.71E-07	8.53E-07
9,463	4.04E-08	3.29E-07	7.62E-07	4.07E-08	3.37E-07	7.58E-07	4.58E-08	3.71E-07	8.53E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,464	4.04E-08	3.29E-07	7.61E-07	4.07E-08	3.37E-07	7.57E-07	4.57E-08	3.70E-07	8.52E-07
9,465	4.04E-08	3.29E-07	7.61E-07	4.06E-08	3.36E-07	7.57E-07	4.57E-08	3.70E-07	8.52E-07
9,466	4.04E-08	3.28E-07	7.61E-07	4.06E-08	3.36E-07	7.57E-07	4.56E-08	3.70E-07	8.51E-07
9,467	4.03E-08	3.28E-07	7.61E-07	4.05E-08	3.36E-07	7.56E-07	4.56E-08	3.70E-07	8.50E-07
9,468	4.03E-08	3.27E-07	7.60E-07	4.05E-08	3.35E-07	7.56E-07	4.56E-08	3.70E-07	8.49E-07
9,469	4.03E-08	3.27E-07	7.59E-07	4.03E-08	3.35E-07	7.53E-07	4.56E-08	3.69E-07	8.49E-07
9,470	4.02E-08	3.27E-07	7.59E-07	4.03E-08	3.34E-07	7.53E-07	4.56E-08	3.69E-07	8.47E-07
9,471	4.02E-08	3.26E-07	7.58E-07	4.03E-08	3.34E-07	7.53E-07	4.56E-08	3.69E-07	8.46E-07
9,472	4.02E-08	3.26E-07	7.57E-07	4.03E-08	3.34E-07	7.53E-07	4.56E-08	3.69E-07	8.46E-07
9,473	4.01E-08	3.26E-07	7.57E-07	4.03E-08	3.33E-07	7.52E-07	4.55E-08	3.68E-07	8.46E-07
9,474	4.01E-08	3.25E-07	7.57E-07	4.02E-08	3.32E-07	7.51E-07	4.55E-08	3.67E-07	8.45E-07
9,475	4.00E-08	3.25E-07	7.55E-07	4.02E-08	3.32E-07	7.51E-07	4.54E-08	3.67E-07	8.44E-07
9,476	3.99E-08	3.25E-07	7.53E-07	4.02E-08	3.32E-07	7.50E-07	4.54E-08	3.67E-07	8.41E-07
9,477	3.99E-08	3.25E-07	7.52E-07	4.02E-08	3.31E-07	7.49E-07	4.54E-08	3.65E-07	8.40E-07
9,478	3.98E-08	3.23E-07	7.52E-07	4.01E-08	3.31E-07	7.49E-07	4.53E-08	3.64E-07	8.39E-07
9,479	3.98E-08	3.23E-07	7.52E-07	4.01E-08	3.31E-07	7.48E-07	4.52E-08	3.64E-07	8.39E-07
9,480	3.97E-08	3.22E-07	7.52E-07	4.00E-08	3.30E-07	7.48E-07	4.52E-08	3.64E-07	8.35E-07
9,481	3.95E-08	3.22E-07	7.51E-07	4.00E-08	3.30E-07	7.46E-07	4.51E-08	3.64E-07	8.34E-07
9,482	3.95E-08	3.22E-07	7.50E-07	3.99E-08	3.30E-07	7.45E-07	4.49E-08	3.64E-07	8.34E-07
9,483	3.94E-08	3.22E-07	7.49E-07	3.99E-08	3.30E-07	7.45E-07	4.48E-08	3.64E-07	8.33E-07
9,484	3.94E-08	3.22E-07	7.48E-07	3.98E-08	3.29E-07	7.44E-07	4.48E-08	3.64E-07	8.31E-07
9,485	3.94E-08	3.22E-07	7.44E-07	3.98E-08	3.29E-07	7.42E-07	4.48E-08	3.63E-07	8.27E-07
9,486	3.94E-08	3.22E-07	7.44E-07	3.98E-08	3.28E-07	7.42E-07	4.48E-08	3.63E-07	8.26E-07
9,487	3.94E-08	3.21E-07	7.44E-07	3.97E-08	3.28E-07	7.39E-07	4.46E-08	3.63E-07	8.26E-07
9,488	3.93E-08	3.21E-07	7.44E-07	3.96E-08	3.28E-07	7.39E-07	4.45E-08	3.63E-07	8.25E-07
9,489	3.93E-08	3.21E-07	7.43E-07	3.96E-08	3.27E-07	7.39E-07	4.45E-08	3.62E-07	8.25E-07
9,490	3.92E-08	3.21E-07	7.43E-07	3.96E-08	3.27E-07	7.38E-07	4.43E-08	3.62E-07	8.23E-07
9,491	3.91E-08	3.21E-07	7.42E-07	3.96E-08	3.26E-07	7.38E-07	4.43E-08	3.62E-07	8.22E-07
9,492	3.91E-08	3.21E-07	7.42E-07	3.95E-08	3.26E-07	7.37E-07	4.43E-08	3.62E-07	8.21E-07
9,493	3.90E-08	3.21E-07	7.41E-07	3.95E-08	3.26E-07	7.37E-07	4.42E-08	3.61E-07	8.19E-07
9,494	3.90E-08	3.20E-07	7.40E-07	3.94E-08	3.26E-07	7.36E-07	4.42E-08	3.61E-07	8.18E-07
9,495	3.90E-08	3.20E-07	7.39E-07	3.94E-08	3.26E-07	7.34E-07	4.41E-08	3.61E-07	8.17E-07
9,496	3.90E-08	3.20E-07	7.38E-07	3.94E-08	3.26E-07	7.33E-07	4.41E-08	3.61E-07	8.17E-07
9,497	3.89E-08	3.20E-07	7.38E-07	3.93E-08	3.26E-07	7.32E-07	4.41E-08	3.61E-07	8.16E-07
9,498	3.89E-08	3.19E-07	7.38E-07	3.93E-08	3.25E-07	7.32E-07	4.39E-08	3.59E-07	8.16E-07
9,499	3.89E-08	3.19E-07	7.38E-07	3.92E-08	3.25E-07	7.32E-07	4.38E-08	3.59E-07	8.16E-07
9,500	3.89E-08	3.18E-07	7.35E-07	3.92E-08	3.25E-07	7.30E-07	4.38E-08	3.59E-07	8.14E-07
9,501	3.88E-08	3.18E-07	7.35E-07	3.92E-08	3.25E-07	7.30E-07	4.37E-08	3.58E-07	8.13E-07
9,502	3.87E-08	3.18E-07	7.35E-07	3.92E-08	3.24E-07	7.29E-07	4.37E-08	3.58E-07	8.12E-07
9,503	3.87E-08	3.18E-07	7.34E-07	3.91E-08	3.24E-07	7.28E-07	4.37E-08	3.57E-07	8.12E-07
9,504	3.87E-08	3.18E-07	7.34E-07	3.91E-08	3.24E-07	7.28E-07	4.37E-08	3.57E-07	8.11E-07
9,505	3.86E-08	3.17E-07	7.34E-07	3.91E-08	3.24E-07	7.28E-07	4.36E-08	3.56E-07	8.10E-07
9,506	3.85E-08	3.17E-07	7.33E-07	3.90E-08	3.24E-07	7.28E-07	4.34E-08	3.55E-07	8.09E-07
9,507	3.85E-08	3.17E-07	7.31E-07	3.90E-08	3.24E-07	7.27E-07	4.34E-08	3.54E-07	8.08E-07
9,508	3.85E-08	3.16E-07	7.30E-07	3.90E-08	3.24E-07	7.27E-07	4.34E-08	3.54E-07	8.07E-07
9,509	3.85E-08	3.16E-07	7.30E-07	3.89E-08	3.23E-07	7.27E-07	4.33E-08	3.54E-07	8.06E-07
9,510	3.85E-08	3.15E-07	7.28E-07	3.88E-08	3.23E-07	7.24E-07	4.33E-08	3.53E-07	8.06E-07
9,511	3.85E-08	3.15E-07	7.27E-07	3.88E-08	3.23E-07	7.24E-07	4.32E-08	3.53E-07	8.03E-07
9,512	3.84E-08	3.15E-07	7.27E-07	3.88E-08	3.23E-07	7.23E-07	4.32E-08	3.52E-07	8.02E-07
9,513	3.83E-08	3.14E-07	7.27E-07	3.87E-08	3.22E-07	7.22E-07	4.31E-08	3.52E-07	8.01E-07
9,514	3.82E-08	3.14E-07	7.26E-07	3.87E-08	3.21E-07	7.21E-07	4.30E-08	3.52E-07	8.01E-07
9,515	3.82E-08	3.14E-07	7.26E-07	3.86E-08	3.21E-07	7.20E-07	4.30E-08	3.51E-07	7.98E-07
9,516	3.81E-08	3.13E-07	7.26E-07	3.86E-08	3.21E-07	7.20E-07	4.30E-08	3.51E-07	7.97E-07
9,517	3.80E-08	3.13E-07	7.26E-07	3.86E-08	3.20E-07	7.20E-07	4.29E-08	3.51E-07	7.96E-07
9,518	3.80E-08	3.13E-07	7.25E-07	3.85E-08	3.19E-07	7.19E-07	4.29E-08	3.50E-07	7.96E-07
9,519	3.80E-08	3.12E-07	7.24E-07	3.83E-08	3.19E-07	7.18E-07	4.29E-08	3.50E-07	7.93E-07
9,520	3.80E-08	3.12E-07	7.24E-07	3.83E-08	3.18E-07	7.18E-07	4.29E-08	3.49E-07	7.90E-07
9,521	3.80E-08	3.12E-07	7.24E-07	3.81E-08	3.18E-07	7.18E-07	4.28E-08	3.49E-07	7.89E-07
9,522	3.80E-08	3.11E-07	7.23E-07	3.81E-08	3.17E-07	7.16E-07	4.28E-08	3.49E-07	7.89E-07
9,523	3.79E-08	3.10E-07	7.23E-07	3.80E-08	3.17E-07	7.16E-07	4.28E-08	3.49E-07	7.87E-07
9,524	3.79E-08	3.10E-07	7.22E-07	3.79E-08	3.17E-07	7.15E-07	4.28E-08	3.48E-07	7.86E-07
9,525	3.78E-08	3.10E-07	7.22E-07	3.79E-08	3.17E-07	7.15E-07	4.27E-08	3.47E-07	7.86E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,526	3.78E-08	3.10E-07	7.22E-07	3.78E-08	3.16E-07	7.14E-07	4.26E-08	3.47E-07	7.84E-07
9,527	3.77E-08	3.09E-07	7.22E-07	3.78E-08	3.16E-07	7.12E-07	4.25E-08	3.47E-07	7.84E-07
9,528	3.77E-08	3.09E-07	7.21E-07	3.77E-08	3.16E-07	7.11E-07	4.25E-08	3.47E-07	7.84E-07
9,529	3.77E-08	3.09E-07	7.21E-07	3.77E-08	3.16E-07	7.11E-07	4.24E-08	3.47E-07	7.83E-07
9,530	3.76E-08	3.09E-07	7.20E-07	3.77E-08	3.16E-07	7.10E-07	4.24E-08	3.47E-07	7.83E-07
9,531	3.76E-08	3.09E-07	7.20E-07	3.76E-08	3.16E-07	7.08E-07	4.22E-08	3.46E-07	7.81E-07
9,532	3.75E-08	3.09E-07	7.20E-07	3.76E-08	3.16E-07	7.07E-07	4.22E-08	3.46E-07	7.80E-07
9,533	3.75E-08	3.08E-07	7.16E-07	3.76E-08	3.16E-07	7.06E-07	4.20E-08	3.46E-07	7.80E-07
9,534	3.75E-08	3.08E-07	7.15E-07	3.75E-08	3.15E-07	7.06E-07	4.20E-08	3.45E-07	7.79E-07
9,535	3.74E-08	3.08E-07	7.14E-07	3.75E-08	3.15E-07	7.06E-07	4.19E-08	3.45E-07	7.78E-07
9,536	3.74E-08	3.07E-07	7.13E-07	3.75E-08	3.15E-07	7.06E-07	4.19E-08	3.45E-07	7.77E-07
9,537	3.73E-08	3.07E-07	7.12E-07	3.75E-08	3.15E-07	7.05E-07	4.19E-08	3.44E-07	7.76E-07
9,538	3.72E-08	3.06E-07	7.12E-07	3.74E-08	3.15E-07	7.03E-07	4.18E-08	3.43E-07	7.76E-07
9,539	3.72E-08	3.06E-07	7.10E-07	3.74E-08	3.15E-07	7.03E-07	4.18E-08	3.43E-07	7.75E-07
9,540	3.72E-08	3.06E-07	7.10E-07	3.73E-08	3.14E-07	7.03E-07	4.17E-08	3.43E-07	7.74E-07
9,541	3.72E-08	3.05E-07	7.10E-07	3.73E-08	3.14E-07	7.02E-07	4.17E-08	3.43E-07	7.71E-07
9,542	3.71E-08	3.05E-07	7.08E-07	3.73E-08	3.14E-07	7.01E-07	4.16E-08	3.42E-07	7.70E-07
9,543	3.71E-08	3.05E-07	7.08E-07	3.73E-08	3.14E-07	7.00E-07	4.15E-08	3.42E-07	7.70E-07
9,544	3.70E-08	3.04E-07	7.08E-07	3.73E-08	3.13E-07	7.00E-07	4.14E-08	3.42E-07	7.70E-07
9,545	3.70E-08	3.04E-07	7.08E-07	3.72E-08	3.13E-07	6.99E-07	4.14E-08	3.42E-07	7.69E-07
9,546	3.70E-08	3.04E-07	7.05E-07	3.71E-08	3.12E-07	6.98E-07	4.12E-08	3.42E-07	7.68E-07
9,547	3.70E-08	3.03E-07	7.04E-07	3.71E-08	3.12E-07	6.98E-07	4.12E-08	3.42E-07	7.67E-07
9,548	3.69E-08	3.03E-07	7.04E-07	3.71E-08	3.12E-07	6.98E-07	4.12E-08	3.42E-07	7.65E-07
9,549	3.69E-08	3.02E-07	7.03E-07	3.71E-08	3.12E-07	6.97E-07	4.11E-08	3.41E-07	7.65E-07
9,550	3.69E-08	3.02E-07	7.01E-07	3.71E-08	3.11E-07	6.97E-07	4.11E-08	3.41E-07	7.64E-07
9,551	3.68E-08	3.02E-07	7.01E-07	3.70E-08	3.11E-07	6.97E-07	4.10E-08	3.41E-07	7.64E-07
9,552	3.67E-08	3.01E-07	7.00E-07	3.69E-08	3.11E-07	6.96E-07	4.10E-08	3.41E-07	7.64E-07
9,553	3.67E-08	3.01E-07	6.99E-07	3.69E-08	3.11E-07	6.95E-07	4.10E-08	3.41E-07	7.64E-07
9,554	3.66E-08	3.00E-07	6.99E-07	3.69E-08	3.11E-07	6.94E-07	4.09E-08	3.41E-07	7.61E-07
9,555	3.66E-08	3.00E-07	6.97E-07	3.69E-08	3.10E-07	6.92E-07	4.09E-08	3.40E-07	7.61E-07
9,556	3.65E-08	3.00E-07	6.97E-07	3.68E-08	3.10E-07	6.92E-07	4.09E-08	3.40E-07	7.60E-07
9,557	3.64E-08	3.00E-07	6.97E-07	3.67E-08	3.10E-07	6.92E-07	4.08E-08	3.39E-07	7.56E-07
9,558	3.64E-08	3.00E-07	6.95E-07	3.67E-08	3.09E-07	6.92E-07	4.08E-08	3.38E-07	7.56E-07
9,559	3.63E-08	3.00E-07	6.95E-07	3.66E-08	3.09E-07	6.92E-07	4.06E-08	3.38E-07	7.55E-07
9,560	3.63E-08	3.00E-07	6.95E-07	3.66E-08	3.09E-07	6.91E-07	4.06E-08	3.38E-07	7.54E-07
9,561	3.62E-08	2.99E-07	6.94E-07	3.66E-08	3.09E-07	6.90E-07	4.05E-08	3.36E-07	7.53E-07
9,562	3.62E-08	2.99E-07	6.91E-07	3.65E-08	3.08E-07	6.90E-07	4.05E-08	3.36E-07	7.53E-07
9,563	3.62E-08	2.99E-07	6.91E-07	3.65E-08	3.08E-07	6.87E-07	4.04E-08	3.36E-07	7.51E-07
9,564	3.62E-08	2.99E-07	6.90E-07	3.64E-08	3.08E-07	6.86E-07	4.04E-08	3.36E-07	7.51E-07
9,565	3.61E-08	2.98E-07	6.89E-07	3.63E-08	3.08E-07	6.85E-07	4.03E-08	3.35E-07	7.51E-07
9,566	3.61E-08	2.97E-07	6.89E-07	3.63E-08	3.07E-07	6.85E-07	4.02E-08	3.35E-07	7.50E-07
9,567	3.61E-08	2.97E-07	6.88E-07	3.63E-08	3.07E-07	6.83E-07	4.02E-08	3.35E-07	7.49E-07
9,568	3.60E-08	2.97E-07	6.88E-07	3.62E-08	3.07E-07	6.82E-07	4.01E-08	3.35E-07	7.49E-07
9,569	3.59E-08	2.96E-07	6.88E-07	3.62E-08	3.05E-07	6.82E-07	4.00E-08	3.35E-07	7.49E-07
9,570	3.59E-08	2.95E-07	6.87E-07	3.61E-08	3.05E-07	6.81E-07	4.00E-08	3.34E-07	7.49E-07
9,571	3.58E-08	2.95E-07	6.86E-07	3.61E-08	3.05E-07	6.81E-07	4.00E-08	3.34E-07	7.48E-07
9,572	3.58E-08	2.95E-07	6.85E-07	3.61E-08	3.04E-07	6.81E-07	3.99E-08	3.33E-07	7.48E-07
9,573	3.58E-08	2.94E-07	6.85E-07	3.60E-08	3.04E-07	6.81E-07	3.99E-08	3.33E-07	7.48E-07
9,574	3.58E-08	2.94E-07	6.84E-07	3.58E-08	3.04E-07	6.79E-07	3.99E-08	3.33E-07	7.48E-07
9,575	3.58E-08	2.93E-07	6.84E-07	3.58E-08	3.03E-07	6.79E-07	3.98E-08	3.33E-07	7.47E-07
9,576	3.58E-08	2.93E-07	6.84E-07	3.57E-08	3.03E-07	6.78E-07	3.97E-08	3.33E-07	7.46E-07
9,577	3.58E-08	2.93E-07	6.84E-07	3.56E-08	3.03E-07	6.78E-07	3.96E-08	3.33E-07	7.45E-07
9,578	3.58E-08	2.93E-07	6.83E-07	3.56E-08	3.03E-07	6.78E-07	3.96E-08	3.33E-07	7.44E-07
9,579	3.57E-08	2.92E-07	6.83E-07	3.54E-08	3.03E-07	6.77E-07	3.94E-08	3.31E-07	7.44E-07
9,580	3.57E-08	2.92E-07	6.83E-07	3.53E-08	3.02E-07	6.76E-07	3.94E-08	3.30E-07	7.37E-07
9,581	3.56E-08	2.92E-07	6.82E-07	3.53E-08	3.01E-07	6.76E-07	3.94E-08	3.30E-07	7.36E-07
9,582	3.56E-08	2.92E-07	6.82E-07	3.53E-08	3.01E-07	6.76E-07	3.93E-08	3.30E-07	7.35E-07
9,583	3.55E-08	2.92E-07	6.82E-07	3.52E-08	3.01E-07	6.76E-07	3.93E-08	3.30E-07	7.35E-07
9,584	3.55E-08	2.91E-07	6.81E-07	3.51E-08	3.01E-07	6.75E-07	3.93E-08	3.30E-07	7.34E-07
9,585	3.54E-08	2.91E-07	6.81E-07	3.51E-08	3.01E-07	6.74E-07	3.92E-08	3.29E-07	7.32E-07
9,586	3.54E-08	2.91E-07	6.81E-07	3.50E-08	3.01E-07	6.73E-07	3.92E-08	3.28E-07	7.32E-07
9,587	3.53E-08	2.91E-07	6.81E-07	3.50E-08	3.00E-07	6.71E-07	3.92E-08	3.27E-07	7.32E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,588	3.53E-08	2.91E-07	6.80E-07	3.50E-08	3.00E-07	6.70E-07	3.91E-08	3.27E-07	7.31E-07
9,589	3.53E-08	2.90E-07	6.79E-07	3.50E-08	2.99E-07	6.69E-07	3.90E-08	3.27E-07	7.31E-07
9,590	3.53E-08	2.90E-07	6.77E-07	3.50E-08	2.99E-07	6.68E-07	3.90E-08	3.26E-07	7.30E-07
9,591	3.53E-08	2.90E-07	6.76E-07	3.49E-08	2.99E-07	6.68E-07	3.90E-08	3.26E-07	7.30E-07
9,592	3.51E-08	2.90E-07	6.76E-07	3.48E-08	2.98E-07	6.66E-07	3.90E-08	3.26E-07	7.30E-07
9,593	3.51E-08	2.90E-07	6.76E-07	3.48E-08	2.97E-07	6.66E-07	3.88E-08	3.26E-07	7.28E-07
9,594	3.51E-08	2.90E-07	6.75E-07	3.48E-08	2.97E-07	6.65E-07	3.88E-08	3.26E-07	7.28E-07
9,595	3.51E-08	2.89E-07	6.75E-07	3.47E-08	2.96E-07	6.65E-07	3.87E-08	3.25E-07	7.28E-07
9,596	3.50E-08	2.88E-07	6.73E-07	3.46E-08	2.96E-07	6.64E-07	3.87E-08	3.25E-07	7.27E-07
9,597	3.50E-08	2.88E-07	6.72E-07	3.46E-08	2.95E-07	6.63E-07	3.87E-08	3.25E-07	7.26E-07
9,598	3.49E-08	2.87E-07	6.71E-07	3.46E-08	2.94E-07	6.62E-07	3.87E-08	3.25E-07	7.25E-07
9,599	3.48E-08	2.87E-07	6.69E-07	3.45E-08	2.94E-07	6.61E-07	3.86E-08	3.24E-07	7.25E-07
9,600	3.48E-08	2.86E-07	6.69E-07	3.45E-08	2.94E-07	6.61E-07	3.85E-08	3.24E-07	7.24E-07
9,601	3.48E-08	2.86E-07	6.69E-07	3.45E-08	2.93E-07	6.58E-07	3.84E-08	3.24E-07	7.23E-07
9,602	3.47E-08	2.85E-07	6.68E-07	3.45E-08	2.93E-07	6.58E-07	3.84E-08	3.23E-07	7.22E-07
9,603	3.47E-08	2.85E-07	6.66E-07	3.45E-08	2.93E-07	6.57E-07	3.84E-08	3.22E-07	7.21E-07
9,604	3.46E-08	2.85E-07	6.66E-07	3.44E-08	2.93E-07	6.56E-07	3.84E-08	3.21E-07	7.18E-07
9,605	3.46E-08	2.84E-07	6.65E-07	3.43E-08	2.93E-07	6.55E-07	3.83E-08	3.21E-07	7.17E-07
9,606	3.45E-08	2.84E-07	6.65E-07	3.43E-08	2.92E-07	6.55E-07	3.83E-08	3.20E-07	7.17E-07
9,607	3.45E-08	2.84E-07	6.63E-07	3.43E-08	2.91E-07	6.54E-07	3.83E-08	3.19E-07	7.12E-07
9,608	3.45E-08	2.83E-07	6.62E-07	3.42E-08	2.91E-07	6.52E-07	3.82E-08	3.18E-07	7.10E-07
9,609	3.45E-08	2.83E-07	6.62E-07	3.42E-08	2.90E-07	6.51E-07	3.80E-08	3.18E-07	7.09E-07
9,610	3.44E-08	2.82E-07	6.61E-07	3.42E-08	2.90E-07	6.51E-07	3.80E-08	3.18E-07	7.08E-07
9,611	3.44E-08	2.82E-07	6.60E-07	3.41E-08	2.90E-07	6.51E-07	3.79E-08	3.17E-07	7.08E-07
9,612	3.43E-08	2.82E-07	6.60E-07	3.41E-08	2.88E-07	6.51E-07	3.79E-08	3.16E-07	7.08E-07
9,613	3.43E-08	2.82E-07	6.59E-07	3.41E-08	2.88E-07	6.49E-07	3.79E-08	3.16E-07	7.07E-07
9,614	3.43E-08	2.82E-07	6.57E-07	3.41E-08	2.87E-07	6.49E-07	3.79E-08	3.16E-07	7.07E-07
9,615	3.42E-08	2.82E-07	6.57E-07	3.41E-08	2.87E-07	6.49E-07	3.79E-08	3.15E-07	7.04E-07
9,616	3.42E-08	2.81E-07	6.55E-07	3.41E-08	2.87E-07	6.48E-07	3.78E-08	3.15E-07	7.03E-07
9,617	3.42E-08	2.80E-07	6.55E-07	3.40E-08	2.86E-07	6.47E-07	3.78E-08	3.15E-07	7.01E-07
9,618	3.42E-08	2.79E-07	6.55E-07	3.40E-08	2.86E-07	6.47E-07	3.78E-08	3.14E-07	6.99E-07
9,619	3.41E-08	2.79E-07	6.53E-07	3.39E-08	2.86E-07	6.46E-07	3.78E-08	3.14E-07	6.98E-07
9,620	3.41E-08	2.79E-07	6.53E-07	3.39E-08	2.86E-07	6.46E-07	3.77E-08	3.13E-07	6.97E-07
9,621	3.39E-08	2.79E-07	6.52E-07	3.39E-08	2.86E-07	6.44E-07	3.77E-08	3.13E-07	6.97E-07
9,622	3.39E-08	2.79E-07	6.52E-07	3.37E-08	2.86E-07	6.43E-07	3.76E-08	3.12E-07	6.95E-07
9,623	3.39E-08	2.79E-07	6.50E-07	3.37E-08	2.85E-07	6.43E-07	3.73E-08	3.12E-07	6.93E-07
9,624	3.38E-08	2.79E-07	6.48E-07	3.37E-08	2.85E-07	6.43E-07	3.73E-08	3.12E-07	6.92E-07
9,625	3.38E-08	2.79E-07	6.46E-07	3.37E-08	2.84E-07	6.43E-07	3.72E-08	3.11E-07	6.91E-07
9,626	3.38E-08	2.78E-07	6.46E-07	3.36E-08	2.84E-07	6.43E-07	3.72E-08	3.10E-07	6.90E-07
9,627	3.37E-08	2.78E-07	6.44E-07	3.36E-08	2.84E-07	6.41E-07	3.71E-08	3.10E-07	6.90E-07
9,628	3.37E-08	2.77E-07	6.43E-07	3.36E-08	2.84E-07	6.41E-07	3.71E-08	3.10E-07	6.88E-07
9,629	3.37E-08	2.77E-07	6.43E-07	3.35E-08	2.83E-07	6.40E-07	3.70E-08	3.10E-07	6.87E-07
9,630	3.36E-08	2.76E-07	6.42E-07	3.34E-08	2.83E-07	6.40E-07	3.70E-08	3.10E-07	6.86E-07
9,631	3.36E-08	2.76E-07	6.41E-07	3.34E-08	2.83E-07	6.40E-07	3.70E-08	3.08E-07	6.84E-07
9,632	3.36E-08	2.75E-07	6.41E-07	3.33E-08	2.83E-07	6.39E-07	3.69E-08	3.07E-07	6.84E-07
9,633	3.35E-08	2.75E-07	6.40E-07	3.32E-08	2.83E-07	6.39E-07	3.69E-08	3.07E-07	6.82E-07
9,634	3.35E-08	2.75E-07	6.40E-07	3.32E-08	2.83E-07	6.38E-07	3.68E-08	3.07E-07	6.82E-07
9,635	3.35E-08	2.75E-07	6.40E-07	3.31E-08	2.82E-07	6.37E-07	3.68E-08	3.06E-07	6.81E-07
9,636	3.35E-08	2.74E-07	6.39E-07	3.31E-08	2.82E-07	6.36E-07	3.67E-08	3.06E-07	6.81E-07
9,637	3.35E-08	2.74E-07	6.38E-07	3.30E-08	2.82E-07	6.36E-07	3.66E-08	3.05E-07	6.79E-07
9,638	3.34E-08	2.73E-07	6.38E-07	3.30E-08	2.82E-07	6.36E-07	3.66E-08	3.05E-07	6.79E-07
9,639	3.34E-08	2.72E-07	6.36E-07	3.29E-08	2.81E-07	6.36E-07	3.66E-08	3.05E-07	6.77E-07
9,640	3.34E-08	2.72E-07	6.36E-07	3.29E-08	2.81E-07	6.35E-07	3.65E-08	3.05E-07	6.77E-07
9,641	3.33E-08	2.71E-07	6.35E-07	3.29E-08	2.81E-07	6.35E-07	3.64E-08	3.04E-07	6.76E-07
9,642	3.33E-08	2.71E-07	6.34E-07	3.27E-08	2.81E-07	6.35E-07	3.64E-08	3.04E-07	6.76E-07
9,643	3.31E-08	2.71E-07	6.33E-07	3.27E-08	2.80E-07	6.35E-07	3.63E-08	3.03E-07	6.76E-07
9,644	3.31E-08	2.70E-07	6.31E-07	3.27E-08	2.79E-07	6.34E-07	3.62E-08	3.03E-07	6.73E-07
9,645	3.31E-08	2.70E-07	6.29E-07	3.24E-08	2.79E-07	6.33E-07	3.62E-08	3.02E-07	6.73E-07
9,646	3.30E-08	2.70E-07	6.29E-07	3.24E-08	2.79E-07	6.32E-07	3.62E-08	3.02E-07	6.73E-07
9,647	3.28E-08	2.69E-07	6.29E-07	3.24E-08	2.79E-07	6.31E-07	3.61E-08	3.02E-07	6.72E-07
9,648	3.27E-08	2.69E-07	6.28E-07	3.24E-08	2.78E-07	6.31E-07	3.61E-08	3.02E-07	6.72E-07
9,649	3.27E-08	2.68E-07	6.28E-07	3.23E-08	2.78E-07	6.30E-07	3.60E-08	3.02E-07	6.71E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,650	3.27E-08	2.68E-07	6.26E-07	3.22E-08	2.78E-07	6.29E-07	3.60E-08	3.02E-07	6.71E-07
9,651	3.26E-08	2.67E-07	6.25E-07	3.22E-08	2.78E-07	6.29E-07	3.57E-08	3.02E-07	6.70E-07
9,652	3.26E-08	2.67E-07	6.25E-07	3.22E-08	2.77E-07	6.28E-07	3.57E-08	3.02E-07	6.70E-07
9,653	3.26E-08	2.66E-07	6.25E-07	3.21E-08	2.77E-07	6.26E-07	3.56E-08	3.01E-07	6.69E-07
9,654	3.25E-08	2.65E-07	6.24E-07	3.20E-08	2.77E-07	6.25E-07	3.56E-08	3.01E-07	6.68E-07
9,655	3.25E-08	2.65E-07	6.24E-07	3.19E-08	2.77E-07	6.23E-07	3.55E-08	3.00E-07	6.68E-07
9,656	3.25E-08	2.65E-07	6.21E-07	3.18E-08	2.76E-07	6.23E-07	3.55E-08	3.00E-07	6.66E-07
9,657	3.24E-08	2.64E-07	6.21E-07	3.18E-08	2.75E-07	6.20E-07	3.55E-08	3.00E-07	6.66E-07
9,658	3.24E-08	2.64E-07	6.18E-07	3.17E-08	2.74E-07	6.19E-07	3.55E-08	3.00E-07	6.65E-07
9,659	3.24E-08	2.64E-07	6.17E-07	3.16E-08	2.74E-07	6.19E-07	3.54E-08	2.99E-07	6.65E-07
9,660	3.24E-08	2.63E-07	6.16E-07	3.16E-08	2.74E-07	6.18E-07	3.54E-08	2.98E-07	6.63E-07
9,661	3.22E-08	2.62E-07	6.15E-07	3.15E-08	2.73E-07	6.18E-07	3.54E-08	2.98E-07	6.62E-07
9,662	3.22E-08	2.62E-07	6.15E-07	3.15E-08	2.73E-07	6.18E-07	3.53E-08	2.98E-07	6.58E-07
9,663	3.22E-08	2.61E-07	6.13E-07	3.15E-08	2.72E-07	6.17E-07	3.53E-08	2.97E-07	6.56E-07
9,664	3.22E-08	2.61E-07	6.13E-07	3.15E-08	2.72E-07	6.16E-07	3.52E-08	2.97E-07	6.53E-07
9,665	3.21E-08	2.60E-07	6.12E-07	3.14E-08	2.72E-07	6.14E-07	3.52E-08	2.97E-07	6.52E-07
9,666	3.21E-08	2.60E-07	6.12E-07	3.13E-08	2.70E-07	6.13E-07	3.50E-08	2.97E-07	6.51E-07
9,667	3.20E-08	2.60E-07	6.09E-07	3.13E-08	2.70E-07	6.13E-07	3.50E-08	2.97E-07	6.51E-07
9,668	3.20E-08	2.59E-07	6.09E-07	3.12E-08	2.70E-07	6.13E-07	3.50E-08	2.96E-07	6.51E-07
9,669	3.20E-08	2.58E-07	6.07E-07	3.12E-08	2.70E-07	6.11E-07	3.48E-08	2.96E-07	6.49E-07
9,670	3.20E-08	2.58E-07	6.06E-07	3.12E-08	2.70E-07	6.10E-07	3.46E-08	2.95E-07	6.46E-07
9,671	3.20E-08	2.57E-07	6.06E-07	3.11E-08	2.70E-07	6.10E-07	3.45E-08	2.95E-07	6.45E-07
9,672	3.20E-08	2.56E-07	6.05E-07	3.11E-08	2.69E-07	6.09E-07	3.45E-08	2.94E-07	6.45E-07
9,673	3.20E-08	2.56E-07	6.04E-07	3.11E-08	2.69E-07	6.09E-07	3.43E-08	2.94E-07	6.45E-07
9,674	3.19E-08	2.55E-07	6.04E-07	3.10E-08	2.69E-07	6.09E-07	3.43E-08	2.93E-07	6.44E-07
9,675	3.18E-08	2.54E-07	6.03E-07	3.10E-08	2.69E-07	6.09E-07	3.42E-08	2.93E-07	6.44E-07
9,676	3.18E-08	2.53E-07	6.02E-07	3.09E-08	2.68E-07	6.08E-07	3.41E-08	2.92E-07	6.44E-07
9,677	3.18E-08	2.53E-07	6.01E-07	3.08E-08	2.68E-07	6.07E-07	3.41E-08	2.92E-07	6.43E-07
9,678	3.18E-08	2.53E-07	6.01E-07	3.08E-08	2.68E-07	6.05E-07	3.40E-08	2.91E-07	6.43E-07
9,679	3.17E-08	2.53E-07	6.00E-07	3.08E-08	2.68E-07	6.05E-07	3.40E-08	2.91E-07	6.42E-07
9,680	3.17E-08	2.53E-07	5.99E-07	3.07E-08	2.68E-07	6.03E-07	3.39E-08	2.91E-07	6.41E-07
9,681	3.17E-08	2.53E-07	5.99E-07	3.06E-08	2.67E-07	6.02E-07	3.39E-08	2.91E-07	6.41E-07
9,682	3.17E-08	2.53E-07	5.99E-07	3.05E-08	2.67E-07	6.02E-07	3.39E-08	2.91E-07	6.40E-07
9,683	3.16E-08	2.53E-07	5.96E-07	3.04E-08	2.67E-07	6.00E-07	3.39E-08	2.90E-07	6.40E-07
9,684	3.16E-08	2.52E-07	5.96E-07	3.04E-08	2.67E-07	5.99E-07	3.39E-08	2.90E-07	6.39E-07
9,685	3.15E-08	2.52E-07	5.95E-07	3.03E-08	2.67E-07	5.98E-07	3.38E-08	2.90E-07	6.38E-07
9,686	3.15E-08	2.52E-07	5.94E-07	3.03E-08	2.67E-07	5.97E-07	3.38E-08	2.90E-07	6.38E-07
9,687	3.14E-08	2.51E-07	5.93E-07	3.03E-08	2.66E-07	5.95E-07	3.36E-08	2.89E-07	6.37E-07
9,688	3.14E-08	2.51E-07	5.93E-07	3.02E-08	2.66E-07	5.94E-07	3.36E-08	2.89E-07	6.37E-07
9,689	3.14E-08	2.51E-07	5.93E-07	3.01E-08	2.66E-07	5.93E-07	3.35E-08	2.88E-07	6.37E-07
9,690	3.14E-08	2.51E-07	5.93E-07	3.01E-08	2.66E-07	5.93E-07	3.34E-08	2.88E-07	6.34E-07
9,691	3.14E-08	2.51E-07	5.92E-07	3.01E-08	2.65E-07	5.92E-07	3.32E-08	2.87E-07	6.34E-07
9,692	3.14E-08	2.51E-07	5.92E-07	3.00E-08	2.65E-07	5.91E-07	3.31E-08	2.87E-07	6.33E-07
9,693	3.13E-08	2.50E-07	5.91E-07	3.00E-08	2.64E-07	5.91E-07	3.31E-08	2.86E-07	6.33E-07
9,694	3.13E-08	2.50E-07	5.91E-07	3.00E-08	2.64E-07	5.91E-07	3.30E-08	2.86E-07	6.32E-07
9,695	3.12E-08	2.49E-07	5.91E-07	3.00E-08	2.64E-07	5.91E-07	3.28E-08	2.86E-07	6.32E-07
9,696	3.11E-08	2.49E-07	5.90E-07	2.99E-08	2.63E-07	5.91E-07	3.28E-08	2.85E-07	6.31E-07
9,697	3.11E-08	2.48E-07	5.90E-07	2.99E-08	2.63E-07	5.90E-07	3.28E-08	2.85E-07	6.31E-07
9,698	3.11E-08	2.48E-07	5.90E-07	2.99E-08	2.61E-07	5.90E-07	3.27E-08	2.84E-07	6.31E-07
9,699	3.11E-08	2.47E-07	5.89E-07	2.99E-08	2.61E-07	5.89E-07	3.27E-08	2.84E-07	6.30E-07
9,700	3.10E-08	2.47E-07	5.88E-07	2.98E-08	2.61E-07	5.89E-07	3.26E-08	2.84E-07	6.30E-07
9,701	3.10E-08	2.46E-07	5.87E-07	2.98E-08	2.60E-07	5.89E-07	3.26E-08	2.84E-07	6.30E-07
9,702	3.10E-08	2.46E-07	5.87E-07	2.98E-08	2.60E-07	5.88E-07	3.26E-08	2.83E-07	6.29E-07
9,703	3.09E-08	2.46E-07	5.86E-07	2.98E-08	2.60E-07	5.85E-07	3.25E-08	2.82E-07	6.27E-07
9,704	3.09E-08	2.45E-07	5.85E-07	2.98E-08	2.59E-07	5.85E-07	3.25E-08	2.81E-07	6.27E-07
9,705	3.08E-08	2.45E-07	5.83E-07	2.97E-08	2.59E-07	5.85E-07	3.24E-08	2.81E-07	6.27E-07
9,706	3.07E-08	2.45E-07	5.81E-07	2.97E-08	2.59E-07	5.84E-07	3.24E-08	2.80E-07	6.26E-07
9,707	3.07E-08	2.44E-07	5.80E-07	2.96E-08	2.59E-07	5.82E-07	3.23E-08	2.80E-07	6.26E-07
9,708	3.04E-08	2.44E-07	5.80E-07	2.96E-08	2.58E-07	5.82E-07	3.23E-08	2.79E-07	6.23E-07
9,709	3.04E-08	2.44E-07	5.79E-07	2.95E-08	2.57E-07	5.81E-07	3.23E-08	2.79E-07	6.23E-07
9,710	3.02E-08	2.44E-07	5.79E-07	2.94E-08	2.57E-07	5.80E-07	3.22E-08	2.79E-07	6.22E-07
9,711	3.02E-08	2.43E-07	5.75E-07	2.93E-08	2.57E-07	5.80E-07	3.21E-08	2.78E-07	6.21E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,712	3.01E-08	2.43E-07	5.73E-07	2.93E-08	2.56E-07	5.80E-07	3.20E-08	2.78E-07	6.21E-07
9,713	3.01E-08	2.43E-07	5.72E-07	2.93E-08	2.56E-07	5.78E-07	3.19E-08	2.77E-07	6.19E-07
9,714	3.00E-08	2.42E-07	5.72E-07	2.92E-08	2.56E-07	5.77E-07	3.19E-08	2.77E-07	6.19E-07
9,715	2.99E-08	2.42E-07	5.71E-07	2.91E-08	2.55E-07	5.76E-07	3.19E-08	2.77E-07	6.18E-07
9,716	2.98E-08	2.42E-07	5.69E-07	2.91E-08	2.55E-07	5.75E-07	3.18E-08	2.76E-07	6.17E-07
9,717	2.98E-08	2.41E-07	5.68E-07	2.90E-08	2.55E-07	5.75E-07	3.17E-08	2.74E-07	6.16E-07
9,718	2.98E-08	2.41E-07	5.67E-07	2.89E-08	2.54E-07	5.75E-07	3.16E-08	2.74E-07	6.15E-07
9,719	2.98E-08	2.41E-07	5.65E-07	2.88E-08	2.54E-07	5.72E-07	3.16E-08	2.74E-07	6.15E-07
9,720	2.97E-08	2.40E-07	5.64E-07	2.87E-08	2.54E-07	5.71E-07	3.16E-08	2.73E-07	6.12E-07
9,721	2.97E-08	2.40E-07	5.64E-07	2.87E-08	2.54E-07	5.71E-07	3.15E-08	2.73E-07	6.12E-07
9,722	2.97E-08	2.39E-07	5.63E-07	2.86E-08	2.53E-07	5.71E-07	3.14E-08	2.72E-07	6.08E-07
9,723	2.96E-08	2.39E-07	5.62E-07	2.86E-08	2.53E-07	5.70E-07	3.14E-08	2.72E-07	6.08E-07
9,724	2.96E-08	2.38E-07	5.62E-07	2.86E-08	2.52E-07	5.70E-07	3.14E-08	2.71E-07	6.07E-07
9,725	2.95E-08	2.37E-07	5.61E-07	2.86E-08	2.50E-07	5.69E-07	3.13E-08	2.71E-07	6.05E-07
9,726	2.95E-08	2.36E-07	5.59E-07	2.85E-08	2.50E-07	5.69E-07	3.13E-08	2.70E-07	6.04E-07
9,727	2.94E-08	2.36E-07	5.59E-07	2.85E-08	2.50E-07	5.68E-07	3.13E-08	2.69E-07	6.04E-07
9,728	2.93E-08	2.36E-07	5.57E-07	2.84E-08	2.49E-07	5.67E-07	3.13E-08	2.69E-07	6.03E-07
9,729	2.93E-08	2.36E-07	5.54E-07	2.84E-08	2.47E-07	5.66E-07	3.12E-08	2.69E-07	6.02E-07
9,730	2.93E-08	2.36E-07	5.53E-07	2.84E-08	2.47E-07	5.65E-07	3.12E-08	2.69E-07	6.01E-07
9,731	2.91E-08	2.36E-07	5.53E-07	2.83E-08	2.47E-07	5.63E-07	3.10E-08	2.68E-07	6.01E-07
9,732	2.91E-08	2.35E-07	5.52E-07	2.83E-08	2.47E-07	5.62E-07	3.09E-08	2.67E-07	6.00E-07
9,733	2.90E-08	2.35E-07	5.51E-07	2.83E-08	2.47E-07	5.62E-07	3.09E-08	2.66E-07	5.97E-07
9,734	2.90E-08	2.35E-07	5.50E-07	2.82E-08	2.46E-07	5.62E-07	3.08E-08	2.65E-07	5.96E-07
9,735	2.90E-08	2.35E-07	5.49E-07	2.82E-08	2.46E-07	5.62E-07	3.08E-08	2.65E-07	5.94E-07
9,736	2.89E-08	2.35E-07	5.49E-07	2.81E-08	2.46E-07	5.60E-07	3.07E-08	2.65E-07	5.94E-07
9,737	2.89E-08	2.34E-07	5.49E-07	2.80E-08	2.45E-07	5.59E-07	3.07E-08	2.64E-07	5.93E-07
9,738	2.88E-08	2.34E-07	5.48E-07	2.80E-08	2.45E-07	5.56E-07	3.05E-08	2.64E-07	5.93E-07
9,739	2.88E-08	2.34E-07	5.46E-07	2.79E-08	2.45E-07	5.55E-07	3.04E-08	2.64E-07	5.91E-07
9,740	2.88E-08	2.34E-07	5.46E-07	2.78E-08	2.45E-07	5.52E-07	3.03E-08	2.62E-07	5.90E-07
9,741	2.86E-08	2.32E-07	5.45E-07	2.77E-08	2.45E-07	5.51E-07	3.03E-08	2.62E-07	5.90E-07
9,742	2.85E-08	2.31E-07	5.44E-07	2.76E-08	2.44E-07	5.51E-07	3.02E-08	2.61E-07	5.89E-07
9,743	2.84E-08	2.30E-07	5.42E-07	2.76E-08	2.44E-07	5.51E-07	3.02E-08	2.61E-07	5.89E-07
9,744	2.84E-08	2.30E-07	5.42E-07	2.75E-08	2.44E-07	5.48E-07	3.02E-08	2.61E-07	5.87E-07
9,745	2.83E-08	2.30E-07	5.38E-07	2.74E-08	2.44E-07	5.46E-07	3.01E-08	2.60E-07	5.86E-07
9,746	2.83E-08	2.30E-07	5.37E-07	2.74E-08	2.44E-07	5.45E-07	3.00E-08	2.59E-07	5.84E-07
9,747	2.83E-08	2.29E-07	5.37E-07	2.73E-08	2.44E-07	5.44E-07	3.00E-08	2.59E-07	5.83E-07
9,748	2.82E-08	2.29E-07	5.35E-07	2.72E-08	2.43E-07	5.44E-07	2.99E-08	2.59E-07	5.82E-07
9,749	2.80E-08	2.29E-07	5.35E-07	2.72E-08	2.43E-07	5.43E-07	2.98E-08	2.58E-07	5.82E-07
9,750	2.79E-08	2.28E-07	5.34E-07	2.72E-08	2.43E-07	5.42E-07	2.97E-08	2.58E-07	5.81E-07
9,751	2.79E-08	2.27E-07	5.34E-07	2.72E-08	2.42E-07	5.41E-07	2.97E-08	2.58E-07	5.78E-07
9,752	2.78E-08	2.27E-07	5.32E-07	2.71E-08	2.41E-07	5.41E-07	2.97E-08	2.56E-07	5.78E-07
9,753	2.78E-08	2.27E-07	5.32E-07	2.71E-08	2.40E-07	5.39E-07	2.96E-08	2.56E-07	5.78E-07
9,754	2.78E-08	2.27E-07	5.29E-07	2.70E-08	2.40E-07	5.39E-07	2.93E-08	2.55E-07	5.78E-07
9,755	2.76E-08	2.25E-07	5.28E-07	2.69E-08	2.40E-07	5.39E-07	2.93E-08	2.55E-07	5.75E-07
9,756	2.76E-08	2.25E-07	5.27E-07	2.68E-08	2.39E-07	5.39E-07	2.90E-08	2.54E-07	5.74E-07
9,757	2.76E-08	2.25E-07	5.27E-07	2.68E-08	2.39E-07	5.39E-07	2.90E-08	2.54E-07	5.74E-07
9,758	2.76E-08	2.24E-07	5.26E-07	2.68E-08	2.39E-07	5.37E-07	2.89E-08	2.54E-07	5.73E-07
9,759	2.75E-08	2.23E-07	5.26E-07	2.68E-08	2.38E-07	5.36E-07	2.88E-08	2.53E-07	5.69E-07
9,760	2.74E-08	2.23E-07	5.25E-07	2.68E-08	2.38E-07	5.36E-07	2.88E-08	2.53E-07	5.68E-07
9,761	2.74E-08	2.22E-07	5.25E-07	2.68E-08	2.37E-07	5.35E-07	2.88E-08	2.53E-07	5.67E-07
9,762	2.74E-08	2.22E-07	5.24E-07	2.67E-08	2.37E-07	5.33E-07	2.87E-08	2.52E-07	5.66E-07
9,763	2.74E-08	2.22E-07	5.24E-07	2.65E-08	2.37E-07	5.33E-07	2.85E-08	2.51E-07	5.66E-07
9,764	2.74E-08	2.22E-07	5.22E-07	2.65E-08	2.36E-07	5.32E-07	2.85E-08	2.49E-07	5.65E-07
9,765	2.73E-08	2.20E-07	5.22E-07	2.65E-08	2.36E-07	5.27E-07	2.85E-08	2.48E-07	5.65E-07
9,766	2.72E-08	2.20E-07	5.22E-07	2.65E-08	2.36E-07	5.26E-07	2.85E-08	2.48E-07	5.63E-07
9,767	2.72E-08	2.19E-07	5.21E-07	2.64E-08	2.35E-07	5.26E-07	2.83E-08	2.48E-07	5.59E-07
9,768	2.72E-08	2.19E-07	5.19E-07	2.63E-08	2.35E-07	5.24E-07	2.82E-08	2.46E-07	5.57E-07
9,769	2.71E-08	2.19E-07	5.17E-07	2.63E-08	2.35E-07	5.24E-07	2.82E-08	2.46E-07	5.55E-07
9,770	2.71E-08	2.19E-07	5.17E-07	2.62E-08	2.34E-07	5.23E-07	2.81E-08	2.46E-07	5.52E-07
9,771	2.70E-08	2.19E-07	5.15E-07	2.61E-08	2.34E-07	5.22E-07	2.80E-08	2.44E-07	5.51E-07
9,772	2.69E-08	2.18E-07	5.11E-07	2.60E-08	2.33E-07	5.22E-07	2.80E-08	2.44E-07	5.49E-07
9,773	2.69E-08	2.18E-07	5.11E-07	2.60E-08	2.33E-07	5.21E-07	2.79E-08	2.43E-07	5.49E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,774	2.69E-08	2.18E-07	5.09E-07	2.58E-08	2.33E-07	5.21E-07	2.78E-08	2.43E-07	5.47E-07
9,775	2.68E-08	2.17E-07	5.09E-07	2.58E-08	2.33E-07	5.20E-07	2.77E-08	2.43E-07	5.42E-07
9,776	2.68E-08	2.17E-07	5.08E-07	2.58E-08	2.32E-07	5.20E-07	2.77E-08	2.43E-07	5.40E-07
9,777	2.67E-08	2.17E-07	5.08E-07	2.58E-08	2.32E-07	5.19E-07	2.77E-08	2.43E-07	5.40E-07
9,778	2.67E-08	2.17E-07	5.07E-07	2.58E-08	2.31E-07	5.14E-07	2.76E-08	2.43E-07	5.38E-07
9,779	2.67E-08	2.15E-07	5.06E-07	2.57E-08	2.31E-07	5.12E-07	2.76E-08	2.43E-07	5.38E-07
9,780	2.67E-08	2.15E-07	5.06E-07	2.57E-08	2.31E-07	5.11E-07	2.76E-08	2.43E-07	5.38E-07
9,781	2.67E-08	2.14E-07	5.04E-07	2.56E-08	2.31E-07	5.11E-07	2.73E-08	2.42E-07	5.37E-07
9,782	2.66E-08	2.14E-07	5.04E-07	2.54E-08	2.30E-07	5.10E-07	2.71E-08	2.42E-07	5.36E-07
9,783	2.66E-08	2.14E-07	5.02E-07	2.54E-08	2.30E-07	5.10E-07	2.71E-08	2.42E-07	5.35E-07
9,784	2.66E-08	2.13E-07	5.00E-07	2.54E-08	2.30E-07	5.10E-07	2.69E-08	2.42E-07	5.31E-07
9,785	2.65E-08	2.13E-07	4.99E-07	2.53E-08	2.29E-07	5.07E-07	2.68E-08	2.41E-07	5.30E-07
9,786	2.64E-08	2.12E-07	4.94E-07	2.51E-08	2.26E-07	5.03E-07	2.68E-08	2.41E-07	5.29E-07
9,787	2.62E-08	2.11E-07	4.92E-07	2.50E-08	2.26E-07	5.03E-07	2.67E-08	2.40E-07	5.28E-07
9,788	2.62E-08	2.10E-07	4.86E-07	2.50E-08	2.25E-07	5.01E-07	2.66E-08	2.39E-07	5.27E-07
9,789	2.61E-08	2.09E-07	4.86E-07	2.50E-08	2.25E-07	4.99E-07	2.66E-08	2.39E-07	5.27E-07
9,790	2.61E-08	2.08E-07	4.85E-07	2.49E-08	2.25E-07	4.98E-07	2.65E-08	2.38E-07	5.26E-07
9,791	2.59E-08	2.07E-07	4.82E-07	2.49E-08	2.25E-07	4.98E-07	2.65E-08	2.37E-07	5.25E-07
9,792	2.58E-08	2.07E-07	4.82E-07	2.49E-08	2.23E-07	4.98E-07	2.64E-08	2.36E-07	5.24E-07
9,793	2.58E-08	2.07E-07	4.82E-07	2.47E-08	2.23E-07	4.97E-07	2.63E-08	2.35E-07	5.24E-07
9,794	2.58E-08	2.06E-07	4.78E-07	2.47E-08	2.23E-07	4.97E-07	2.63E-08	2.35E-07	5.22E-07
9,795	2.57E-08	2.06E-07	4.77E-07	2.45E-08	2.23E-07	4.96E-07	2.63E-08	2.34E-07	5.21E-07
9,796	2.57E-08	2.06E-07	4.76E-07	2.45E-08	2.23E-07	4.95E-07	2.63E-08	2.33E-07	5.21E-07
9,797	2.57E-08	2.05E-07	4.76E-07	2.44E-08	2.23E-07	4.95E-07	2.63E-08	2.33E-07	5.20E-07
9,798	2.56E-08	2.05E-07	4.74E-07	2.44E-08	2.22E-07	4.94E-07	2.62E-08	2.33E-07	5.17E-07
9,799	2.56E-08	2.04E-07	4.74E-07	2.43E-08	2.22E-07	4.94E-07	2.62E-08	2.32E-07	5.16E-07
9,800	2.55E-08	2.03E-07	4.73E-07	2.43E-08	2.22E-07	4.94E-07	2.61E-08	2.31E-07	5.16E-07
9,801	2.54E-08	2.01E-07	4.72E-07	2.43E-08	2.22E-07	4.93E-07	2.61E-08	2.30E-07	5.15E-07
9,802	2.54E-08	2.01E-07	4.68E-07	2.42E-08	2.21E-07	4.92E-07	2.60E-08	2.30E-07	5.13E-07
9,803	2.52E-08	2.01E-07	4.67E-07	2.42E-08	2.21E-07	4.92E-07	2.60E-08	2.29E-07	5.12E-07
9,804	2.51E-08	2.00E-07	4.67E-07	2.41E-08	2.21E-07	4.91E-07	2.57E-08	2.29E-07	5.12E-07
9,805	2.50E-08	2.00E-07	4.63E-07	2.41E-08	2.21E-07	4.91E-07	2.57E-08	2.28E-07	5.12E-07
9,806	2.50E-08	2.00E-07	4.63E-07	2.40E-08	2.20E-07	4.88E-07	2.57E-08	2.28E-07	5.09E-07
9,807	2.49E-08	1.99E-07	4.62E-07	2.39E-08	2.20E-07	4.87E-07	2.57E-08	2.27E-07	5.09E-07
9,808	2.49E-08	1.99E-07	4.61E-07	2.39E-08	2.20E-07	4.87E-07	2.56E-08	2.27E-07	5.08E-07
9,809	2.48E-08	1.99E-07	4.59E-07	2.38E-08	2.20E-07	4.86E-07	2.55E-08	2.27E-07	5.08E-07
9,810	2.48E-08	1.98E-07	4.59E-07	2.37E-08	2.18E-07	4.85E-07	2.55E-08	2.26E-07	5.06E-07
9,811	2.48E-08	1.98E-07	4.58E-07	2.37E-08	2.18E-07	4.85E-07	2.53E-08	2.26E-07	5.05E-07
9,812	2.48E-08	1.98E-07	4.58E-07	2.36E-08	2.18E-07	4.85E-07	2.52E-08	2.26E-07	5.03E-07
9,813	2.48E-08	1.97E-07	4.56E-07	2.35E-08	2.18E-07	4.81E-07	2.51E-08	2.25E-07	5.03E-07
9,814	2.48E-08	1.97E-07	4.54E-07	2.32E-08	2.18E-07	4.81E-07	2.48E-08	2.25E-07	4.98E-07
9,815	2.47E-08	1.96E-07	4.53E-07	2.31E-08	2.18E-07	4.81E-07	2.48E-08	2.24E-07	4.98E-07
9,816	2.47E-08	1.96E-07	4.53E-07	2.30E-08	2.17E-07	4.80E-07	2.48E-08	2.24E-07	4.96E-07
9,817	2.47E-08	1.95E-07	4.53E-07	2.30E-08	2.16E-07	4.79E-07	2.47E-08	2.24E-07	4.96E-07
9,818	2.46E-08	1.95E-07	4.52E-07	2.29E-08	2.15E-07	4.79E-07	2.46E-08	2.23E-07	4.94E-07
9,819	2.45E-08	1.95E-07	4.51E-07	2.29E-08	2.15E-07	4.79E-07	2.44E-08	2.23E-07	4.94E-07
9,820	2.44E-08	1.95E-07	4.49E-07	2.28E-08	2.14E-07	4.79E-07	2.44E-08	2.23E-07	4.90E-07
9,821	2.43E-08	1.95E-07	4.49E-07	2.27E-08	2.14E-07	4.78E-07	2.43E-08	2.22E-07	4.90E-07
9,822	2.41E-08	1.94E-07	4.48E-07	2.27E-08	2.14E-07	4.76E-07	2.43E-08	2.22E-07	4.87E-07
9,823	2.41E-08	1.94E-07	4.47E-07	2.27E-08	2.13E-07	4.75E-07	2.43E-08	2.21E-07	4.87E-07
9,824	2.40E-08	1.94E-07	4.47E-07	2.26E-08	2.12E-07	4.74E-07	2.43E-08	2.20E-07	4.86E-07
9,825	2.39E-08	1.93E-07	4.45E-07	2.26E-08	2.12E-07	4.73E-07	2.42E-08	2.20E-07	4.83E-07
9,826	2.38E-08	1.93E-07	4.45E-07	2.26E-08	2.12E-07	4.73E-07	2.42E-08	2.19E-07	4.83E-07
9,827	2.38E-08	1.93E-07	4.44E-07	2.26E-08	2.12E-07	4.73E-07	2.41E-08	2.18E-07	4.82E-07
9,828	2.37E-08	1.92E-07	4.43E-07	2.25E-08	2.10E-07	4.73E-07	2.40E-08	2.18E-07	4.81E-07
9,829	2.36E-08	1.92E-07	4.43E-07	2.24E-08	2.10E-07	4.72E-07	2.40E-08	2.18E-07	4.81E-07
9,830	2.36E-08	1.92E-07	4.41E-07	2.23E-08	2.09E-07	4.72E-07	2.40E-08	2.18E-07	4.81E-07
9,831	2.34E-08	1.92E-07	4.41E-07	2.22E-08	2.09E-07	4.72E-07	2.39E-08	2.18E-07	4.80E-07
9,832	2.34E-08	1.92E-07	4.40E-07	2.21E-08	2.09E-07	4.72E-07	2.39E-08	2.17E-07	4.80E-07
9,833	2.28E-08	1.91E-07	4.39E-07	2.21E-08	2.09E-07	4.71E-07	2.38E-08	2.17E-07	4.80E-07
9,834	2.25E-08	1.89E-07	4.39E-07	2.20E-08	2.08E-07	4.69E-07	2.37E-08	2.16E-07	4.79E-07
9,835	2.25E-08	1.89E-07	4.38E-07	2.20E-08	2.08E-07	4.69E-07	2.35E-08	2.16E-07	4.77E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,836	2.24E-08	1.88E-07	4.37E-07	2.20E-08	2.07E-07	4.69E-07	2.35E-08	2.16E-07	4.76E-07
9,837	2.23E-08	1.87E-07	4.35E-07	2.19E-08	2.07E-07	4.65E-07	2.34E-08	2.16E-07	4.76E-07
9,838	2.22E-08	1.87E-07	4.35E-07	2.19E-08	2.07E-07	4.65E-07	2.32E-08	2.15E-07	4.75E-07
9,839	2.20E-08	1.87E-07	4.35E-07	2.18E-08	2.06E-07	4.62E-07	2.32E-08	2.14E-07	4.75E-07
9,840	2.20E-08	1.86E-07	4.35E-07	2.18E-08	2.06E-07	4.61E-07	2.32E-08	2.14E-07	4.74E-07
9,841	2.20E-08	1.86E-07	4.32E-07	2.17E-08	2.06E-07	4.61E-07	2.31E-08	2.11E-07	4.72E-07
9,842	2.19E-08	1.86E-07	4.31E-07	2.17E-08	2.05E-07	4.61E-07	2.31E-08	2.11E-07	4.71E-07
9,843	2.19E-08	1.86E-07	4.29E-07	2.17E-08	2.05E-07	4.61E-07	2.30E-08	2.11E-07	4.68E-07
9,844	2.17E-08	1.85E-07	4.27E-07	2.17E-08	2.05E-07	4.60E-07	2.29E-08	2.10E-07	4.67E-07
9,845	2.17E-08	1.85E-07	4.25E-07	2.17E-08	2.03E-07	4.60E-07	2.28E-08	2.10E-07	4.67E-07
9,846	2.17E-08	1.85E-07	4.23E-07	2.17E-08	2.02E-07	4.59E-07	2.28E-08	2.09E-07	4.66E-07
9,847	2.17E-08	1.84E-07	4.22E-07	2.16E-08	2.00E-07	4.55E-07	2.27E-08	2.09E-07	4.62E-07
9,848	2.16E-08	1.83E-07	4.22E-07	2.16E-08	2.00E-07	4.55E-07	2.27E-08	2.08E-07	4.62E-07
9,849	2.16E-08	1.83E-07	4.22E-07	2.15E-08	1.99E-07	4.53E-07	2.27E-08	2.08E-07	4.59E-07
9,850	2.16E-08	1.83E-07	4.21E-07	2.14E-08	1.99E-07	4.52E-07	2.25E-08	2.07E-07	4.58E-07
9,851	2.15E-08	1.83E-07	4.20E-07	2.14E-08	1.99E-07	4.51E-07	2.25E-08	2.06E-07	4.58E-07
9,852	2.14E-08	1.82E-07	4.20E-07	2.13E-08	1.98E-07	4.51E-07	2.24E-08	2.05E-07	4.54E-07
9,853	2.14E-08	1.82E-07	4.16E-07	2.12E-08	1.97E-07	4.50E-07	2.23E-08	2.04E-07	4.53E-07
9,854	2.14E-08	1.82E-07	4.16E-07	2.12E-08	1.97E-07	4.50E-07	2.23E-08	2.03E-07	4.49E-07
9,855	2.13E-08	1.82E-07	4.15E-07	2.11E-08	1.97E-07	4.48E-07	2.23E-08	2.02E-07	4.48E-07
9,856	2.13E-08	1.82E-07	4.13E-07	2.11E-08	1.97E-07	4.48E-07	2.23E-08	2.00E-07	4.46E-07
9,857	2.13E-08	1.81E-07	4.13E-07	2.10E-08	1.97E-07	4.48E-07	2.22E-08	1.97E-07	4.46E-07
9,858	2.12E-08	1.81E-07	4.10E-07	2.10E-08	1.96E-07	4.46E-07	2.22E-08	1.97E-07	4.46E-07
9,859	2.12E-08	1.81E-07	4.10E-07	2.10E-08	1.95E-07	4.46E-07	2.22E-08	1.97E-07	4.45E-07
9,860	2.11E-08	1.81E-07	4.09E-07	2.09E-08	1.94E-07	4.45E-07	2.21E-08	1.96E-07	4.39E-07
9,861	2.11E-08	1.81E-07	4.09E-07	2.09E-08	1.91E-07	4.43E-07	2.21E-08	1.95E-07	4.38E-07
9,862	2.11E-08	1.80E-07	4.09E-07	2.09E-08	1.90E-07	4.39E-07	2.18E-08	1.94E-07	4.36E-07
9,863	2.10E-08	1.80E-07	4.09E-07	2.08E-08	1.89E-07	4.37E-07	2.18E-08	1.94E-07	4.34E-07
9,864	2.09E-08	1.80E-07	4.08E-07	2.08E-08	1.89E-07	4.37E-07	2.17E-08	1.93E-07	4.34E-07
9,865	2.09E-08	1.80E-07	4.06E-07	2.07E-08	1.89E-07	4.35E-07	2.16E-08	1.93E-07	4.32E-07
9,866	2.08E-08	1.80E-07	4.06E-07	2.06E-08	1.88E-07	4.34E-07	2.15E-08	1.92E-07	4.32E-07
9,867	2.08E-08	1.80E-07	4.05E-07	2.05E-08	1.86E-07	4.34E-07	2.14E-08	1.92E-07	4.31E-07
9,868	2.07E-08	1.79E-07	4.04E-07	2.04E-08	1.86E-07	4.33E-07	2.14E-08	1.92E-07	4.30E-07
9,869	2.07E-08	1.79E-07	4.02E-07	2.03E-08	1.85E-07	4.32E-07	2.14E-08	1.91E-07	4.30E-07
9,870	2.07E-08	1.79E-07	4.02E-07	2.02E-08	1.84E-07	4.31E-07	2.14E-08	1.91E-07	4.29E-07
9,871	2.06E-08	1.79E-07	4.02E-07	2.02E-08	1.83E-07	4.30E-07	2.14E-08	1.90E-07	4.23E-07
9,872	2.05E-08	1.79E-07	3.99E-07	2.01E-08	1.83E-07	4.30E-07	2.13E-08	1.89E-07	4.23E-07
9,873	2.04E-08	1.78E-07	3.98E-07	2.00E-08	1.83E-07	4.30E-07	2.12E-08	1.89E-07	4.23E-07
9,874	2.02E-08	1.78E-07	3.98E-07	1.99E-08	1.83E-07	4.29E-07	2.12E-08	1.88E-07	4.22E-07
9,875	2.02E-08	1.78E-07	3.98E-07	1.99E-08	1.82E-07	4.29E-07	2.12E-08	1.88E-07	4.21E-07
9,876	2.01E-08	1.78E-07	3.97E-07	1.99E-08	1.81E-07	4.27E-07	2.12E-08	1.87E-07	4.18E-07
9,877	2.01E-08	1.77E-07	3.97E-07	1.98E-08	1.80E-07	4.26E-07	2.11E-08	1.86E-07	4.16E-07
9,878	2.00E-08	1.77E-07	3.96E-07	1.98E-08	1.79E-07	4.24E-07	2.11E-08	1.86E-07	4.15E-07
9,879	2.00E-08	1.77E-07	3.95E-07	1.97E-08	1.78E-07	4.22E-07	2.08E-08	1.85E-07	4.14E-07
9,880	1.99E-08	1.76E-07	3.94E-07	1.97E-08	1.78E-07	4.21E-07	2.07E-08	1.85E-07	4.13E-07
9,881	1.99E-08	1.76E-07	3.90E-07	1.96E-08	1.76E-07	4.20E-07	2.07E-08	1.85E-07	4.10E-07
9,882	1.99E-08	1.76E-07	3.89E-07	1.95E-08	1.76E-07	4.20E-07	2.07E-08	1.84E-07	4.07E-07
9,883	1.98E-08	1.76E-07	3.88E-07	1.95E-08	1.76E-07	4.15E-07	2.06E-08	1.84E-07	4.06E-07
9,884	1.98E-08	1.75E-07	3.85E-07	1.94E-08	1.73E-07	4.13E-07	2.06E-08	1.82E-07	4.03E-07
9,885	1.98E-08	1.75E-07	3.85E-07	1.94E-08	1.72E-07	4.11E-07	2.05E-08	1.81E-07	4.01E-07
9,886	1.97E-08	1.75E-07	3.79E-07	1.94E-08	1.71E-07	4.11E-07	2.04E-08	1.81E-07	3.99E-07
9,887	1.96E-08	1.75E-07	3.79E-07	1.93E-08	1.71E-07	4.10E-07	2.03E-08	1.80E-07	3.95E-07
9,888	1.96E-08	1.74E-07	3.79E-07	1.92E-08	1.70E-07	4.08E-07	2.02E-08	1.80E-07	3.95E-07
9,889	1.95E-08	1.74E-07	3.79E-07	1.92E-08	1.70E-07	4.04E-07	2.02E-08	1.78E-07	3.93E-07
9,890	1.94E-08	1.73E-07	3.78E-07	1.92E-08	1.69E-07	4.04E-07	2.01E-08	1.78E-07	3.92E-07
9,891	1.93E-08	1.70E-07	3.77E-07	1.90E-08	1.68E-07	4.04E-07	2.01E-08	1.77E-07	3.86E-07
9,892	1.92E-08	1.70E-07	3.73E-07	1.90E-08	1.68E-07	4.03E-07	1.98E-08	1.76E-07	3.86E-07
9,893	1.92E-08	1.69E-07	3.71E-07	1.89E-08	1.68E-07	4.02E-07	1.98E-08	1.76E-07	3.86E-07
9,894	1.92E-08	1.69E-07	3.71E-07	1.89E-08	1.68E-07	4.02E-07	1.98E-08	1.75E-07	3.86E-07
9,895	1.92E-08	1.69E-07	3.71E-07	1.89E-08	1.67E-07	4.00E-07	1.98E-08	1.75E-07	3.84E-07
9,896	1.91E-08	1.69E-07	3.70E-07	1.88E-08	1.67E-07	3.99E-07	1.98E-08	1.74E-07	3.84E-07
9,897	1.90E-08	1.69E-07	3.70E-07	1.88E-08	1.67E-07	3.99E-07	1.97E-08	1.73E-07	3.83E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,898	1.90E-08	1.68E-07	3.70E-07	1.87E-08	1.66E-07	3.94E-07	1.97E-08	1.73E-07	3.83E-07
9,899	1.90E-08	1.68E-07	3.70E-07	1.86E-08	1.66E-07	3.94E-07	1.95E-08	1.73E-07	3.78E-07
9,900	1.89E-08	1.64E-07	3.69E-07	1.85E-08	1.65E-07	3.89E-07	1.94E-08	1.72E-07	3.77E-07
9,901	1.89E-08	1.64E-07	3.64E-07	1.84E-08	1.64E-07	3.85E-07	1.91E-08	1.71E-07	3.76E-07
9,902	1.88E-08	1.64E-07	3.63E-07	1.83E-08	1.64E-07	3.84E-07	1.90E-08	1.71E-07	3.75E-07
9,903	1.88E-08	1.64E-07	3.62E-07	1.83E-08	1.63E-07	3.82E-07	1.88E-08	1.70E-07	3.75E-07
9,904	1.88E-08	1.63E-07	3.59E-07	1.83E-08	1.63E-07	3.82E-07	1.88E-08	1.69E-07	3.71E-07
9,905	1.87E-08	1.63E-07	3.58E-07	1.80E-08	1.63E-07	3.81E-07	1.86E-08	1.69E-07	3.69E-07
9,906	1.84E-08	1.63E-07	3.54E-07	1.79E-08	1.63E-07	3.70E-07	1.86E-08	1.68E-07	3.68E-07
9,907	1.84E-08	1.63E-07	3.53E-07	1.78E-08	1.63E-07	3.70E-07	1.86E-08	1.68E-07	3.67E-07
9,908	1.83E-08	1.62E-07	3.53E-07	1.78E-08	1.61E-07	3.70E-07	1.85E-08	1.67E-07	3.67E-07
9,909	1.83E-08	1.61E-07	3.51E-07	1.77E-08	1.60E-07	3.67E-07	1.84E-08	1.67E-07	3.64E-07
9,910	1.82E-08	1.60E-07	3.50E-07	1.76E-08	1.60E-07	3.67E-07	1.83E-08	1.66E-07	3.64E-07
9,911	1.82E-08	1.59E-07	3.45E-07	1.74E-08	1.60E-07	3.67E-07	1.83E-08	1.65E-07	3.64E-07
9,912	1.81E-08	1.59E-07	3.44E-07	1.73E-08	1.60E-07	3.67E-07	1.83E-08	1.65E-07	3.60E-07
9,913	1.80E-08	1.59E-07	3.42E-07	1.73E-08	1.59E-07	3.66E-07	1.82E-08	1.64E-07	3.59E-07
9,914	1.79E-08	1.57E-07	3.39E-07	1.73E-08	1.59E-07	3.64E-07	1.82E-08	1.63E-07	3.58E-07
9,915	1.78E-08	1.56E-07	3.39E-07	1.71E-08	1.59E-07	3.63E-07	1.80E-08	1.63E-07	3.56E-07
9,916	1.77E-08	1.55E-07	3.38E-07	1.71E-08	1.58E-07	3.61E-07	1.78E-08	1.63E-07	3.54E-07
9,917	1.77E-08	1.55E-07	3.38E-07	1.69E-08	1.58E-07	3.58E-07	1.75E-08	1.62E-07	3.52E-07
9,918	1.76E-08	1.55E-07	3.34E-07	1.69E-08	1.57E-07	3.56E-07	1.75E-08	1.62E-07	3.51E-07
9,919	1.76E-08	1.54E-07	3.33E-07	1.68E-08	1.57E-07	3.55E-07	1.74E-08	1.62E-07	3.51E-07
9,920	1.74E-08	1.53E-07	3.31E-07	1.68E-08	1.57E-07	3.54E-07	1.74E-08	1.60E-07	3.51E-07
9,921	1.74E-08	1.53E-07	3.30E-07	1.67E-08	1.56E-07	3.53E-07	1.73E-08	1.58E-07	3.49E-07
9,922	1.72E-08	1.51E-07	3.30E-07	1.65E-08	1.56E-07	3.47E-07	1.72E-08	1.55E-07	3.46E-07
9,923	1.71E-08	1.50E-07	3.27E-07	1.64E-08	1.55E-07	3.46E-07	1.72E-08	1.53E-07	3.46E-07
9,924	1.71E-08	1.49E-07	3.22E-07	1.64E-08	1.54E-07	3.45E-07	1.72E-08	1.53E-07	3.43E-07
9,925	1.70E-08	1.49E-07	3.21E-07	1.63E-08	1.53E-07	3.44E-07	1.71E-08	1.52E-07	3.41E-07
9,926	1.69E-08	1.49E-07	3.21E-07	1.62E-08	1.53E-07	3.42E-07	1.70E-08	1.50E-07	3.41E-07
9,927	1.69E-08	1.49E-07	3.21E-07	1.62E-08	1.53E-07	3.37E-07	1.70E-08	1.49E-07	3.37E-07
9,928	1.68E-08	1.46E-07	3.20E-07	1.61E-08	1.52E-07	3.34E-07	1.70E-08	1.47E-07	3.35E-07
9,929	1.67E-08	1.45E-07	3.19E-07	1.61E-08	1.51E-07	3.32E-07	1.67E-08	1.47E-07	3.35E-07
9,930	1.65E-08	1.45E-07	3.18E-07	1.61E-08	1.50E-07	3.30E-07	1.63E-08	1.47E-07	3.30E-07
9,931	1.62E-08	1.41E-07	3.18E-07	1.60E-08	1.49E-07	3.28E-07	1.62E-08	1.45E-07	3.30E-07
9,932	1.60E-08	1.41E-07	3.17E-07	1.58E-08	1.48E-07	3.26E-07	1.61E-08	1.43E-07	3.29E-07
9,933	1.59E-08	1.40E-07	3.15E-07	1.55E-08	1.45E-07	3.26E-07	1.59E-08	1.43E-07	3.29E-07
9,934	1.58E-08	1.40E-07	3.12E-07	1.55E-08	1.45E-07	3.26E-07	1.59E-08	1.38E-07	3.29E-07
9,935	1.57E-08	1.40E-07	3.10E-07	1.54E-08	1.44E-07	3.25E-07	1.59E-08	1.38E-07	3.26E-07
9,936	1.56E-08	1.39E-07	3.09E-07	1.54E-08	1.43E-07	3.21E-07	1.59E-08	1.37E-07	3.25E-07
9,937	1.56E-08	1.39E-07	3.08E-07	1.52E-08	1.41E-07	3.19E-07	1.57E-08	1.36E-07	3.22E-07
9,938	1.56E-08	1.38E-07	3.04E-07	1.52E-08	1.40E-07	3.17E-07	1.57E-08	1.36E-07	3.21E-07
9,939	1.55E-08	1.38E-07	3.04E-07	1.51E-08	1.40E-07	3.16E-07	1.57E-08	1.35E-07	3.16E-07
9,940	1.54E-08	1.37E-07	3.03E-07	1.50E-08	1.40E-07	3.16E-07	1.57E-08	1.35E-07	3.15E-07
9,941	1.53E-08	1.36E-07	2.98E-07	1.49E-08	1.38E-07	3.15E-07	1.56E-08	1.35E-07	3.14E-07
9,942	1.53E-08	1.36E-07	2.96E-07	1.49E-08	1.38E-07	3.15E-07	1.56E-08	1.34E-07	3.07E-07
9,943	1.53E-08	1.34E-07	2.94E-07	1.49E-08	1.36E-07	3.12E-07	1.56E-08	1.33E-07	3.04E-07
9,944	1.52E-08	1.34E-07	2.94E-07	1.48E-08	1.35E-07	3.11E-07	1.55E-08	1.33E-07	3.04E-07
9,945	1.51E-08	1.33E-07	2.93E-07	1.46E-08	1.35E-07	3.10E-07	1.54E-08	1.33E-07	3.03E-07
9,946	1.50E-08	1.32E-07	2.92E-07	1.46E-08	1.35E-07	3.08E-07	1.51E-08	1.32E-07	3.03E-07
9,947	1.49E-08	1.31E-07	2.92E-07	1.46E-08	1.32E-07	3.08E-07	1.50E-08	1.31E-07	3.00E-07
9,948	1.48E-08	1.30E-07	2.91E-07	1.46E-08	1.32E-07	3.07E-07	1.48E-08	1.31E-07	2.92E-07
9,949	1.45E-08	1.29E-07	2.91E-07	1.45E-08	1.27E-07	3.06E-07	1.48E-08	1.30E-07	2.91E-07
9,950	1.44E-08	1.29E-07	2.91E-07	1.43E-08	1.26E-07	3.05E-07	1.48E-08	1.30E-07	2.88E-07
9,951	1.43E-08	1.28E-07	2.89E-07	1.42E-08	1.26E-07	3.00E-07	1.48E-08	1.22E-07	2.87E-07
9,952	1.41E-08	1.28E-07	2.89E-07	1.42E-08	1.24E-07	2.98E-07	1.46E-08	1.22E-07	2.84E-07
9,953	1.41E-08	1.26E-07	2.88E-07	1.41E-08	1.20E-07	2.98E-07	1.44E-08	1.22E-07	2.80E-07
9,954	1.40E-08	1.26E-07	2.87E-07	1.40E-08	1.20E-07	2.97E-07	1.44E-08	1.22E-07	2.78E-07
9,955	1.39E-08	1.25E-07	2.84E-07	1.39E-08	1.20E-07	2.91E-07	1.42E-08	1.21E-07	2.75E-07
9,956	1.38E-08	1.25E-07	2.81E-07	1.38E-08	1.20E-07	2.90E-07	1.40E-08	1.16E-07	2.74E-07
9,957	1.37E-08	1.24E-07	2.80E-07	1.37E-08	1.18E-07	2.86E-07	1.39E-08	1.16E-07	2.73E-07
9,958	1.36E-08	1.23E-07	2.80E-07	1.36E-08	1.18E-07	2.84E-07	1.34E-08	1.15E-07	2.72E-07
9,959	1.33E-08	1.22E-07	2.80E-07	1.35E-08	1.17E-07	2.83E-07	1.33E-08	1.14E-07	2.70E-07

Crystal Ball Output: Intakes (mg/kg-day) Calculated for Culvert 105 Study Area North of the Canal Residential Scenarios
Run Dates: 4/22/2010, 3/3/2011

	CMA 7A/B			CMA 8			Background		
	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer	Adult + Child, Cancer	Adult + Child, Noncancer	Child, Noncancer
9,960	1.32E-08	1.22E-07	2.76E-07	1.34E-08	1.16E-07	2.82E-07	1.33E-08	1.14E-07	2.70E-07
9,961	1.26E-08	1.22E-07	2.75E-07	1.34E-08	1.16E-07	2.82E-07	1.31E-08	1.13E-07	2.64E-07
9,962	1.26E-08	1.21E-07	2.70E-07	1.33E-08	1.16E-07	2.81E-07	1.30E-08	1.12E-07	2.62E-07
9,963	1.26E-08	1.20E-07	2.69E-07	1.33E-08	1.16E-07	2.78E-07	1.27E-08	1.11E-07	2.62E-07
9,964	1.26E-08	1.18E-07	2.67E-07	1.31E-08	1.15E-07	2.77E-07	1.22E-08	1.11E-07	2.61E-07
9,965	1.23E-08	1.17E-07	2.66E-07	1.29E-08	1.14E-07	2.75E-07	1.21E-08	1.09E-07	2.58E-07
9,966	1.22E-08	1.14E-07	2.63E-07	1.27E-08	1.14E-07	2.74E-07	1.19E-08	1.08E-07	2.57E-07
9,967	1.20E-08	1.14E-07	2.59E-07	1.25E-08	1.13E-07	2.72E-07	1.19E-08	1.07E-07	2.57E-07
9,968	1.19E-08	1.14E-07	2.50E-07	1.25E-08	1.12E-07	2.71E-07	1.19E-08	1.06E-07	2.54E-07
9,969	1.18E-08	1.12E-07	2.49E-07	1.23E-08	1.11E-07	2.69E-07	1.18E-08	1.04E-07	2.48E-07
9,970	1.18E-08	1.12E-07	2.48E-07	1.23E-08	1.10E-07	2.66E-07	1.16E-08	1.04E-07	2.42E-07
9,971	1.16E-08	1.12E-07	2.48E-07	1.19E-08	1.10E-07	2.62E-07	1.13E-08	1.03E-07	2.41E-07
9,972	1.16E-08	1.11E-07	2.41E-07	1.18E-08	1.09E-07	2.62E-07	1.13E-08	1.03E-07	2.38E-07
9,973	1.16E-08	1.09E-07	2.38E-07	1.12E-08	1.07E-07	2.49E-07	1.11E-08	1.03E-07	2.37E-07
9,974	1.14E-08	1.08E-07	2.37E-07	1.10E-08	1.06E-07	2.47E-07	1.09E-08	1.02E-07	2.34E-07
9,975	1.10E-08	1.06E-07	2.37E-07	1.03E-08	1.05E-07	2.45E-07	1.04E-08	1.00E-07	2.31E-07
9,976	1.08E-08	1.05E-07	2.36E-07	1.02E-08	1.05E-07	2.43E-07	1.03E-08	1.00E-07	2.28E-07
9,977	1.07E-08	1.03E-07	2.35E-07	1.02E-08	1.03E-07	2.43E-07	1.00E-08	9.86E-08	2.17E-07
9,978	1.06E-08	1.01E-07	2.35E-07	1.02E-08	1.01E-07	2.42E-07	9.63E-09	9.67E-08	2.17E-07
9,979	1.03E-08	1.00E-07	2.33E-07	1.01E-08	1.01E-07	2.34E-07	9.40E-09	9.62E-08	2.13E-07
9,980	1.02E-08	9.92E-08	2.31E-07	1.00E-08	9.68E-08	2.26E-07	9.31E-09	9.62E-08	2.07E-07
9,981	1.00E-08	9.80E-08	2.29E-07	9.90E-09	9.49E-08	2.26E-07	9.28E-09	9.57E-08	2.05E-07
9,982	9.89E-09	9.79E-08	2.28E-07	9.90E-09	9.26E-08	2.21E-07	9.05E-09	9.47E-08	2.02E-07
9,983	9.88E-09	9.78E-08	2.18E-07	9.77E-09	9.10E-08	2.20E-07	8.80E-09	9.36E-08	1.96E-07
9,984	9.21E-09	9.51E-08	2.12E-07	9.07E-09	8.96E-08	2.20E-07	8.75E-09	9.32E-08	1.91E-07
9,985	9.00E-09	9.37E-08	2.05E-07	9.03E-09	8.90E-08	2.12E-07	8.48E-09	9.19E-08	1.90E-07
9,986	8.67E-09	9.24E-08	1.94E-07	8.93E-09	8.88E-08	2.10E-07	8.18E-09	8.53E-08	1.89E-07
9,987	8.59E-09	9.06E-08	1.94E-07	8.83E-09	8.87E-08	2.09E-07	8.13E-09	8.28E-08	1.81E-07
9,988	8.47E-09	8.92E-08	1.92E-07	8.33E-09	8.81E-08	2.09E-07	8.00E-09	8.07E-08	1.71E-07
9,989	8.43E-09	8.80E-08	1.89E-07	8.32E-09	8.48E-08	2.08E-07	7.95E-09	7.95E-08	1.60E-07
9,990	7.99E-09	8.76E-08	1.88E-07	7.33E-09	8.25E-08	2.06E-07	7.72E-09	7.93E-08	1.56E-07
9,991	7.80E-09	8.71E-08	1.86E-07	7.27E-09	8.18E-08	2.04E-07	7.62E-09	7.90E-08	1.56E-07
9,992	7.73E-09	8.59E-08	1.84E-07	7.05E-09	8.13E-08	1.98E-07	7.56E-09	7.60E-08	1.52E-07
9,993	6.88E-09	7.95E-08	1.78E-07	6.47E-09	7.78E-08	1.90E-07	7.50E-09	7.44E-08	1.40E-07
9,994	6.87E-09	7.66E-08	1.65E-07	6.43E-09	7.66E-08	1.84E-07	7.28E-09	7.05E-08	1.31E-07
9,995	6.75E-09	6.94E-08	1.50E-07	6.22E-09	7.65E-08	1.81E-07	7.25E-09	6.83E-08	1.23E-07
9,996	6.16E-09	6.16E-08	1.26E-07	5.47E-09	7.31E-08	1.65E-07	5.87E-09	6.21E-08	1.22E-07
9,997	5.55E-09	5.77E-08	1.17E-07	5.36E-09	7.17E-08	1.65E-07	4.79E-09	6.04E-08	1.03E-07
9,998	5.43E-09	5.57E-08	1.10E-07	5.10E-09	6.40E-08	1.55E-07	4.31E-09	5.92E-08	7.37E-08
9,999	3.83E-09	5.30E-08	1.06E-07	3.91E-09	5.67E-08	1.45E-07	4.23E-09	4.21E-08	7.05E-08
10,000	2.82E-09	3.27E-08	8.14E-08	3.77E-09	2.89E-08	7.83E-08	4.04E-09	2.78E-08	6.12E-08

ATTACHMENT 6

SUMMARY OF INTAKE RESULTS

Table 1. Total CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	4.1E-06	3.8E-07	2.8E-07	3.3E-05	3.9E-06	1.7E-06
Pre-ICM	6.5E-06	5.7E-07	4.7E-07	5.1E-05	5.8E-06	2.7E-06
Current (CMA 1)	5.5E-06	4.9E-07	4.1E-07	4.3E-05	5.0E-06	2.3E-06
CMA 2	3.8E-06	3.5E-07	2.5E-07	3.0E-05	3.7E-06	1.6E-06
CMA 3	4.7E-06	4.2E-07	3.3E-07	3.7E-05	4.3E-06	2.0E-06
CMA 4	5.1E-06	4.5E-07	3.8E-07	4.0E-05	4.6E-06	2.2E-06
CMA 5	5.3E-06	4.7E-07	4.0E-07	4.1E-05	4.8E-06	2.2E-06
CMA 6A	4.6E-06	4.1E-07	3.3E-07	3.6E-05	4.3E-06	2.0E-06
CMA 6B	4.5E-06	4.1E-07	3.2E-07	3.6E-05	4.2E-06	1.9E-06
CMA 7A	4.4E-06	4.0E-07	3.1E-07	3.5E-05	4.1E-06	1.8E-06
CMA 7B	4.3E-06	3.9E-07	3.0E-07	3.4E-05	4.1E-06	1.8E-06
CMA 8	4.2E-06	3.8E-07	2.9E-07	3.3E-05	4.0E-06	1.8E-06

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

CTE = central tendency exposure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 2. Incremental CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	2.4E-06	1.9E-07	1.9E-07	1.8E-05	1.9E-06	1.0E-06
Current (CMA 1)	1.4E-06	1.1E-07	1.3E-07	1.0E-05	1.0E-06	6.1E-07
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	5.8E-07	4.7E-08	4.7E-08	3.9E-06	4.1E-07	2.9E-07
CMA 4	9.8E-07	7.8E-08	9.9E-08	6.6E-06	6.9E-07	4.8E-07
CMA 5	1.2E-06	9.4E-08	1.2E-07	8.1E-06	8.4E-07	4.6E-07
CMA 6A	4.7E-07	3.7E-08	5.0E-08	3.1E-06	3.2E-07	2.6E-07
CMA 6B	3.8E-07	3.1E-08	4.5E-08	2.5E-06	2.6E-07	1.8E-07
CMA 7A	3.1E-07	2.5E-08	3.5E-08	2.1E-06	2.2E-07	9.0E-08
CMA 7B	2.2E-07	1.8E-08	2.2E-08	1.4E-06	1.4E-07	6.4E-08
CMA 8	7.0E-08	5.6E-09	1.1E-08	3.1E-07	3.2E-08	3.7E-08

Notes:

CMA = corrective measure alternative

NA = background risks are higher than site-related risks

CTE = central tendency exposure

RME = reasonable maximum exposure

ICM = interim corrective measure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 3. Total CTE and RME Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	3.2E-05	2.9E-06	2.3E-06	7.7E-05	9.2E-06	1.7E-05
Pre-ICM	5.0E-05	4.4E-06	3.9E-06	1.2E-04	1.4E-05	2.6E-05
Current (CMA 1)	4.3E-05	3.8E-06	3.4E-06	1.0E-04	1.2E-05	2.2E-05
CMA 2	2.9E-05	2.7E-06	2.1E-06	7.1E-05	8.5E-06	1.6E-05
CMA 3	3.7E-05	3.3E-06	2.8E-06	8.6E-05	1.0E-05	2.0E-05
CMA 4	4.0E-05	3.5E-06	3.1E-06	9.2E-05	1.1E-05	2.0E-05
CMA 5	4.1E-05	3.6E-06	3.3E-06	9.6E-05	1.1E-05	2.1E-05
CMA 6A	3.6E-05	3.2E-06	2.7E-06	8.4E-05	9.9E-06	1.9E-05
CMA 6B	3.5E-05	3.2E-06	2.6E-06	8.3E-05	9.8E-06	1.9E-05
CMA 7A	3.4E-05	3.1E-06	2.6E-06	8.2E-05	9.7E-06	1.8E-05
CMA 7B	3.4E-05	3.1E-06	2.5E-06	8.0E-05	9.5E-06	1.8E-05
CMA 8	3.3E-05	3.0E-06	2.4E-06	7.8E-05	9.3E-06	1.6E-05

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

CTE = central tendency exposure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 4. Incremental CTE and RME Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	1.8E-05	1.5E-06	1.5E-06	4.2E-05	4.4E-06	9.1E-06
Current (CMA 1)	1.1E-05	8.8E-07	1.1E-06	2.3E-05	2.4E-06	5.2E-06
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	4.5E-06	3.6E-07	4.8E-07	9.2E-06	9.5E-07	2.4E-06
CMA 4	7.6E-06	6.1E-07	7.6E-07	1.5E-05	1.6E-06	3.0E-06
CMA 5	9.2E-06	7.3E-07	9.5E-07	1.9E-05	2.0E-06	3.9E-06
CMA 6A	3.6E-06	2.9E-07	4.1E-07	7.2E-06	7.5E-07	1.8E-06
CMA 6B	3.0E-06	2.4E-07	3.0E-07	5.9E-06	6.2E-07	1.6E-06
CMA 7A	2.4E-06	2.0E-07	2.7E-07	4.8E-06	5.0E-07	4.5E-07
CMA 7B	1.7E-06	1.4E-07	2.1E-07	3.2E-06	3.4E-07	7.1E-07
CMA 8	5.4E-07	4.3E-08	6.3E-08	7.2E-07	7.5E-08	NA

Notes:

CMA = corrective measure alternative

NA = background risks are higher than site-related risks

CTE = central tendency exposure

RME = reasonable maximum exposure

ICM = interim corrective measure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 5. Total CTE and RME Average Daily Dose (mg/kg-day) Results for Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	1.0E-04	9.6E-06	4.7E-06	2.7E-04	3.2E-05	2.8E-05
Pre-ICM	1.7E-04	1.4E-05	7.9E-06	4.1E-04	4.8E-05	4.4E-05
Current (CMA 1)	1.4E-04	1.2E-05	6.9E-06	3.5E-04	4.1E-05	3.8E-05
CMA 2	9.6E-05	8.9E-06	4.3E-06	2.5E-04	3.0E-05	2.7E-05
CMA 3	1.2E-04	1.1E-05	5.6E-06	3.0E-04	3.5E-05	3.2E-05
CMA 4	1.3E-04	1.2E-05	6.3E-06	3.2E-04	3.8E-05	3.6E-05
CMA 5	1.4E-04	1.2E-05	6.7E-06	3.3E-04	3.9E-05	3.6E-05
CMA 6A	1.2E-04	1.0E-05	5.5E-06	2.9E-04	3.5E-05	3.2E-05
CMA 6B	1.1E-04	1.0E-05	5.4E-06	2.9E-04	3.4E-05	3.1E-05
CMA 7A	1.1E-04	1.0E-05	5.3E-06	2.8E-04	3.4E-05	2.9E-05
CMA 7B	1.1E-04	1.0E-05	5.1E-06	2.8E-04	3.3E-05	3.0E-05
CMA 8	1.1E-04	9.7E-06	4.9E-06	2.7E-04	3.2E-05	2.8E-05

Notes:

CMA = corrective measure alternative

ICM = interim corrective measure

CTE = central tendency exposure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 6. Incremental CTE and RME Average Daily Dose (mg/kg-day) Results for Child Resident in Air Deposition Study Area

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	6.1E-05	4.8E-06	3.2E-06	1.5E-04	1.5E-05	1.6E-05
Current (CMA 1)	3.6E-05	2.9E-06	2.2E-06	8.1E-05	8.5E-06	9.5E-06
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	1.5E-05	1.2E-06	9.3E-07	3.2E-05	3.3E-06	3.7E-06
CMA 4	2.5E-05	2.0E-06	1.6E-06	5.4E-05	5.6E-06	7.3E-06
CMA 5	3.0E-05	2.4E-06	2.0E-06	6.5E-05	6.9E-06	7.3E-06
CMA 6A	1.2E-05	9.5E-07	8.2E-07	2.5E-05	2.6E-06	3.1E-06
CMA 6B	9.8E-06	7.8E-07	7.4E-07	2.1E-05	2.2E-06	2.1E-06
CMA 7A	8.0E-06	6.4E-07	6.0E-07	1.7E-05	1.8E-06	8.3E-07
CMA 7B	5.6E-06	4.5E-07	4.5E-07	1.1E-05	1.2E-06	1.4E-06
CMA 8	1.8E-06	1.4E-07	1.8E-07	2.5E-06	2.6E-07	NA

Notes:

CMA = corrective measure alternative

NA = background risks are higher than site-related risks

CTE = central tendency exposure

RME = reasonable maximum exposure

ICM = interim corrective measure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 7. Total CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	4.8E-06	4.3E-07	3.1E-07	4.3E-05	5.0E-06	2.2E-06
Pre-ICM	9.9E-06	8.4E-07	6.1E-07	9.3E-05	1.0E-05	4.5E-06
Current (CMA 1)	9.1E-06	7.7E-07	5.3E-07	8.0E-05	8.9E-06	4.3E-06
CMA 2	3.5E-06	3.3E-07	2.3E-07	2.9E-05	3.5E-06	1.6E-06
CMA 3	3.9E-06	3.6E-07	2.6E-07	3.3E-05	3.9E-06	1.7E-06
CMA 4	4.4E-06	4.0E-07	3.0E-07	3.7E-05	4.3E-06	2.0E-06
CMA 5	4.7E-06	4.2E-07	3.2E-07	3.9E-05	4.6E-06	2.1E-06
CMA 6A/B	3.8E-06	3.5E-07	2.5E-07	3.2E-05	3.8E-06	1.7E-06
CMA 7A/B	3.8E-06	3.5E-07	2.5E-07	3.1E-05	3.8E-06	1.6E-06
CMA 8	3.7E-06	3.4E-07	2.4E-07	3.0E-05	3.7E-06	1.6E-06

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 8. Incremental CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	5.1E-06	4.1E-07	3.0E-07	4.9E-05	5.1E-06	2.4E-06
Current (CMA 1)	4.3E-06	3.4E-07	2.2E-07	3.7E-05	3.9E-06	2.2E-06
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	NA	NA	NA	NA	NA	NA
CMA 4	NA	NA	NA	NA	NA	NA
CMA 5	NA	NA	8.0E-09	NA	NA	NA
CMA 6A/B	NA	NA	NA	NA	NA	NA
CMA 7A/B	NA	NA	NA	NA	NA	NA
CMA 8	NA	NA	NA	NA	NA	NA

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

NA = background risks are higher than site-related risks

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 9. Total CTE and RME Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	3.8E-05	3.4E-06	2.6E-06	1.0E-04	1.2E-05	2.1E-05
Pre-ICM	7.7E-05	6.5E-06	5.0E-06	2.2E-04	2.4E-05	4.3E-05
Current (CMA 1)	7.1E-05	6.0E-06	4.4E-06	1.9E-04	2.1E-05	4.1E-05
CMA 2	2.8E-05	2.6E-06	1.9E-06	6.7E-05	8.1E-06	1.5E-05
CMA 3	3.1E-05	2.8E-06	2.2E-06	7.7E-05	9.1E-06	1.6E-05
CMA 4	3.4E-05	3.1E-06	2.5E-06	8.6E-05	1.0E-05	1.8E-05
CMA 5	3.7E-05	3.3E-06	2.6E-06	9.2E-05	1.1E-05	2.0E-05
CMA 6A/B	3.0E-05	2.7E-06	2.1E-06	7.4E-05	8.9E-06	1.6E-05
CMA 7A/B	2.9E-05	2.7E-06	2.1E-06	7.3E-05	8.8E-06	1.6E-05
CMA 8	2.9E-05	2.7E-06	2.0E-06	7.1E-05	8.6E-06	1.5E-05

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 10. Incremental CTE and RME Average Daily Dose (mg/kg-day) Results for Adult plus Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	4.0E-05	3.2E-06	2.4E-06	1.1E-04	1.2E-05	2.2E-05
Current (CMA 1)	3.3E-05	2.7E-06	1.8E-06	8.7E-05	9.0E-06	2.1E-05
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	NA	NA	NA	NA	NA	NA
CMA 4	NA	NA	NA	NA	NA	NA
CMA 5	NA	NA	3.1E-09	NA	NA	NA
CMA 6A/B	NA	NA	NA	NA	NA	NA
CMA 7A/B	NA	NA	NA	NA	NA	NA
CMA 8	NA	NA	NA	NA	NA	NA

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

NA = background risks are higher than site-related risks

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 11. Total CTE and RME Average Daily Dose (mg/kg-day) Results for Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Background	1.2E-04	1.1E-05	5.2E-06	3.5E-04	4.1E-05	3.5E-05
Pre-ICM	2.5E-04	2.1E-05	1.0E-05	7.5E-04	8.3E-05	7.3E-05
Current (CMA 1)	2.3E-04	2.0E-05	8.8E-06	6.5E-04	7.2E-05	7.1E-05
CMA 2	9.0E-05	8.4E-06	3.9E-06	2.3E-04	2.8E-05	2.6E-05
CMA 3	1.0E-04	9.2E-06	4.3E-06	2.7E-04	3.2E-05	2.7E-05
CMA 4	1.1E-04	1.0E-05	5.1E-06	3.0E-04	3.5E-05	3.2E-05
CMA 5	1.2E-04	1.1E-05	5.4E-06	3.2E-04	3.8E-05	3.4E-05
CMA 6A/B	9.8E-05	9.0E-06	4.2E-06	2.6E-04	3.1E-05	2.8E-05
CMA 7A/B	9.6E-05	8.9E-06	4.2E-06	2.6E-04	3.1E-05	2.6E-05
CMA 8	9.5E-05	8.7E-06	4.1E-06	2.5E-04	3.0E-05	2.6E-05

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 12. Incremental CTE and RME Average Daily Dose (mg/kg-day) Results for Child Resident in Culvert 105 Study Area North of the Canal

	CTE			RME		
	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a	Default Deterministic	Site-Specific Deterministic	Site-Specific Probabilistic ^a
Pre-ICM	1.3E-04	1.0E-05	5.1E-06	4.0E-04	4.2E-05	3.7E-05
Current (CMA 1)	1.1E-04	8.7E-06	3.6E-06	3.0E-04	3.1E-05	3.5E-05
CMA 2	NA	NA	NA	NA	NA	NA
CMA 3	NA	NA	NA	NA	NA	NA
CMA 4	NA	NA	NA	NA	NA	NA
CMA 5	NA	NA	2.0E-07	NA	NA	NA
CMA 6A/B	NA	NA	NA	NA	NA	NA
CMA 7A/B	NA	NA	NA	NA	NA	NA
CMA 8	NA	NA	NA	NA	NA	NA

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

NA = background risks are higher than site-related risks

RME = reasonable maximum exposure

^a Extracted from 50th (CTE) and 95th (RME) percentiles of the probabilistic output distributions.

Table 13. Total CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Culvert 105 Study Area Utility Worker

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Pre-ICM	1.9E-08	4.2E-09	2.0E-07	4.2E-08
Current (CMA 1)	1.5E-08	3.3E-09	1.7E-07	3.4E-08
CMA 2	3.4E-09	7.3E-10	3.2E-08	6.7E-09
CMA 3	4.4E-09	9.5E-10	4.2E-08	8.7E-09
CMA 4	5.9E-09	1.3E-09	5.6E-08	1.2E-08
CMA 5	6.6E-09	1.4E-09	6.3E-08	1.3E-08
CMA 6A/B	4.3E-09	9.3E-10	4.1E-08	8.5E-09
CMA 7A/B	4.0E-09	8.7E-10	3.8E-08	7.9E-09
CMA 8	3.5E-09	7.5E-10	3.3E-08	6.9E-09

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

Table 14. Total CTE and RME Average Daily Dose (mg/kg-day) Results for Culvert 105 Study Area Utility Worker

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Pre-ICM	1.4E-06	2.9E-07	1.4E-05	2.9E-06
Current (CMA 1)	1.1E-06	2.3E-07	1.2E-05	2.4E-06
CMA 2	2.4E-07	5.1E-08	2.3E-06	4.7E-07
CMA 3	3.1E-07	6.6E-08	2.9E-06	6.1E-07
CMA 4	4.1E-07	8.9E-08	3.9E-06	8.1E-07
CMA 5	4.6E-07	9.9E-08	4.4E-06	9.1E-07
CMA 6A/B	3.0E-07	6.5E-08	2.9E-06	5.9E-07
CMA 7A/B	2.8E-07	6.1E-08	2.7E-06	5.6E-07
CMA 8	2.4E-07	5.3E-08	2.3E-06	4.8E-07

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

ICM = interim corrective measure

RME = reasonable maximum exposure

Table 15. Deterministic Total CTE and RME Intake Results for Wooded Parcel Utility Worker

Analysis Method	Lifetime Average Daily Dose (unitless)		Average Daily Dose (unitless)	
	CTE	RME	CTE	RME
Default Deterministic	5.3E-09	6.5E-08	3.7E-07	4.6E-06
Site-Specific Deterministic	1.1E-09	1.4E-08	8.0E-08	9.5E-07

Notes:

CTE = central tendency exposure

RME = reasonable maximum exposure

Table 16. Total CTE and RME Lifetime Average Daily Dose (mg/kg-day) Results for Roy-Hart School Child Comparison

	CTE		RME	
	Default Deterministic	Site-Specific Deterministic	Default Deterministic	Site-Specific Deterministic
Roy-Hart School Child, CMA 3	1.0E-06	7.9E-08	2.8E-06	2.8E-07
Home-Schooled Child in Air Deposition Study Area, CMA 3	9.4E-07	7.6E-08	2.4E-06	2.5E-07
Home-Schooled Child in Culvert 105 Study Area North of the Canal, CMA 3	7.9E-07	6.7E-08	2.2E-06	2.3E-07

Notes:

CMA = corrective measure alternative

CTE = central tendency exposure

RME = reasonable maximum exposure

ATTACHMENT 7

RESPONSES TO COMMENTS

RESPONSES TO THE AGENCIES' COMMENTS

Responses to the Agencies' March 23, 2010, Comments on FMC's October 30, 2009, Risk Management Approach Document

By letter dated March 23, 2010, the U.S. Environmental Protection Agency (EPA), New York State Department of Environmental Conservation, and New York State Department of Health (collectively referred to as "the Agencies") provided FMC Corporation (FMC) with comments on the document titled "FMC Middleport Risk Management Approach for the Corrective Measures Study, Suspected Air Deposition and Culvert 105 Study Areas" submitted by FMC to the Agencies on October 30, 2009. The Agencies' comments are summarized below in italics and numbered, followed by FMC's responses to each of the enumerated comments. A copy of the Agencies' March 23, 2010, letter and enclosure is attached to this responses document.

Agencies' Comment in Cover Letter

In the cover letter, the Agencies note that they have identified six global issues related to FMC's proposed approach to evaluating human health and environmental risks in the corrective measures study (CMS), and further note that "FMC's proposed approach puts far too much emphasis on the use of mathematical models of estimating potential human health risks posed by FMC related contaminants in off-site soil" The Agencies contend that FMC overstates the ability of these mathematical models to accurately portray risks and raise concerns about "inherent uncertainties in the assumed input values . . . which translate into significant uncertainties in their mathematical results."

Response: FMC agrees with the Agencies' observation that high degrees of uncertainty can occur with use of mathematical models for risk assessment. In fact, as described in greater detail below, the three levels of risk analyses described in FMC's risk management approach document were developed in an attempt to reduce the magnitude of uncertainty and increase the transparency of assumptions made in characterizing exposures. All of these risk assessment approaches, including the default deterministic approach that the Agencies advise should be used, are mathematical models. Inclusion of site-specific data serves to reduce the uncertainty in these models, and probabilistic analyses provide greater transparency regarding the range of risks in the community.

Agencies' General Comment 1—Probabilistic Type Risk Approach

The Agencies raise a number of objections to the use of probabilistic risk assessment, and advise that FMC should not conduct probabilistic exposure assessments in the CMS because of their confidence that appropriate remedial decisions can be made without such analyses.

Response: While the Agencies may be correct that remedial decisions can be made without probabilistic analyses, they are specifically contemplated by and consistent with EPA risk

assessment guidance (USEPA 2001, USEPA 2009a). Furthermore, it is only in the probabilistic analyses that the full range of potential risks is illustrated (as requested by the Agencies' Comment 4). Finally, probabilistic analyses offer additional valuable insights for all CMS stakeholders as remedial alternatives are considered: some community representatives have specifically requested these analyses.

The use of probabilistic risk assessment to evaluate remedial alternatives was discussed in the Agencies-approved CMS work plan. As described in the risk management approach document, FMC has performed initial deterministic risk assessments for each receptor scenario, both with use of default assumptions and with use of assumptions based on site-specific conditions. FMC also performed probabilistic exposure assessments for a subset of receptor scenarios to provide additional information in support of defining the risks, as well as the risk reduction associated with each of the proposed corrective measure alternatives.

Use of probabilistic risk assessment is standard practice and has been used by EPA and others to evaluate a variety of sites, including exposure situations involving arsenic. Use of probabilistic risk assessment is consistent with both EPA guidance (USEPA 2001) and EPA policy, which states that protection of public health and the environment depends on "rigorous adherence to the best available science" (USEPA 2009b). Fully employing the extensive site-specific data available along with both deterministic and probabilistic risk assessment provides a firm foundation for development of an effective corrective measure alternative. Any issues relating to data quality and data gaps are discussed in a fully transparent manner throughout the risk assessment document.

Agencies' General Comment 2—Characterization of "Incremental" Risk

The Agencies state that FMC should not use an incremental risk analysis, commenting that such an approach "can be misleading and often does not account for personal habits and other factors that can influence an individual's risk, or involuntary vs. voluntary risk, etc."

Response: FMC recognizes, and stated in the risk management approach document that the incremental risk analysis is a supplemental analysis. FMC has characterized and provided a summary of the excess risks associated with each corrective measures alternative, including the "no further action" alternative, as recommended in EPA's guidance for baseline human health risk assessment (USEPA 1989). The supplemental analysis of background (non-FMC-related sources of soil arsenic) and incremental risks (risks above background) associated with each remedial alternative is needed to assess the potential risk reduction associated with each of the corrective measures alternatives.

In fact, the incremental risk approach used by FMC is conservative in that it has not fully accounted for background arsenic exposures, but only those associated with soil and dust. As demonstrated in several studies, arsenic in soil and dust contribute only a small fraction

of daily exposures to inorganic arsenic through diet and drinking water (Meacher et al. 2002; Boyce et al. 2008). Any expectations of risk reduction from corrective measures actions in Middleport should be tempered by an understanding that the site-specific inorganic arsenic intakes, based on reasonable maximum exposure (RME) assumptions, calculated in this human health risk assessment are lower by a factor of at least 20 than the 95th percentile intakes reported for typical U.S. residents. In other words, the RME intakes are so far below the 95th percentile that the relative reductions in arsenic intakes are not really meaningful.

Agencies' General Comment 3—Recalculating Site-Specific Arsenic Background

The Agencies contend that FMC should not portray site-specific arsenic background soil concentrations as being anything other than 20 ppm or lower.

Response: FMC generated distributions to represent arsenic concentrations in the air deposition study area and the Culvert 105 study area north of the canal in the absence of FMC influence to support the risk analyses of the corrective measures alternatives and associated incremental risk. The distributions are not intended to question the outcome of the Gasport background study.

The Gasport background study was initially presented in CRA (2003). In RFI Volume I, Appendix 6B (Arcadis and AMEC Geomatrix 2009), the soil arsenic background concentration statistics were recalculated using new orchard information from aerial photos obtained subsequent to the 2003 report. The historical property type/land usage weighting factors used in calculating background in both the 2003 report and RFI Volume I were representative of a larger area that encompasses the air deposition study area and Culvert 105 study area north of the canal, as well as additional land beyond these two study areas. The two study areas assessed in this CMS each have a different proportion of property types compared to the larger area that was the basis for the 20 mg/kg background point estimate.

To compare site-related data to background per EPA's guidance for baseline human health risk assessment (USEPA 1989), a distribution of background concentrations appropriate to each study area is required. The historical property type/land usage weighting factors applicable to each CMS area, presented in Attachment 2, and used to calculate study area-specific background concentration statistics, were derived in a manner consistent with the methods used in both the 2003 report and RFI Volume I. The distributions of background derived in this way are needed to properly evaluate the impacts of each remedial alternative. A single point value such as 20 mg/kg does not fully portray the distribution of background concentrations and is inadequate for the analysis presented in this human health risk assessment.

Agencies' General Comment 4—Deterministic Risk Assessment Approach and Input Parameters

The Agencies included a number of different points within Comment 4 that are addressed sequentially.

The Agencies state that “the pathway analysis and parameter input values used in FMC deterministic risk assessments should be consistent with the approach and input values used to derive the Soil Cleanup Objectives (SCOs) in 6 NYCRR Part 375 (as described in the Technical Support Document (TSD) available from DEC’s web site [<http://www.dec.ny.gov/chemical/34189.html>]), unless site specific conditions justify variations.”

Response: FMC performed two stages of deterministic risk assessment, the first of which incorporated default EPA exposure assumptions for each receptor scenario. The second stage of deterministic risk assessment, as well as the probabilistic analyses, incorporated site-specific exposure assumptions based on studies conducted in Middleport. The inclusion of site-specific data and information is consistent with the Agencies' Final Corrective Action Objectives issued on March 26, 2009, included in the Agencies-approved CMS Work Plan, and specifically requested by some members of the Middleport community (MCIG 2010). Consistent with EPA's emphasis on transparency (USEPA 2009b), both the default and site-specific assumptions, the basis of the site-specific assumptions, and the applicability of the site-specific assumptions to Middleport are documented in the human health risk assessment.

The “approach and input values” used to derive the New York State Soil Cleanup Objectives (SCOs) are not directly relevant. In fact, a number of EPA's default parameter values differ from those used to derive the New York State SCOs. In addition, the SCO parameter values for estimating chemical intakes from soil are combined to yield a time-weighted average intake parameter that could not be used with some of the site-specific data available for Middleport, such as indoor dust arsenic concentrations. Structural differences in the EPA exposure assessment methods and the methods used to derive the SCOs make it of questionable value to attempt to develop a parameter-by-parameter comparison. Discussion of the different assumptions for some parameters is included in the risk assessment.

“FMC should be aware that the USEPA is currently re-evaluating the arsenic cancer slope factor used in human health risk assessment and may revise the value of this factor upward to account for bladder and lung cancers. Although the timing of any such revision is currently uncertain, the possible impacts of such a change should at least be addressed in the risk assessments' uncertainty analysis.”

Response: FMC has addressed the subject of the draft revised oral cancer slope factor for arsenic in the toxicity assessment and in the uncertainty analysis within this risk assessment.

After noting that there are a number of properties that have average and single sample arsenic concentrations in excess of the CTE and RME values used in the risk assessment, the Agencies state “[f]or deterministic risk assessments used to help evaluate the “no action” alternative, FMC must use a set of CTE and RME arsenic concentration values that are more representative of the full range of arsenic concentrations found on FMC impacted properties/areas.”

Response: The risk assessment text clarifies that this is a community-wide risk assessment that evaluates risks across each study area rather than an assessment of individual properties. Once the corrective measures alternative is selected, a property-by-property assessment will be done. FMC acknowledges the Agencies’ point that some properties currently exceed the soil concentrations selected for the RME values. FMC has addressed this issue in two ways. First, risk-based concentrations were derived for three risk levels within the EPA’s acceptable risk range, and the number of properties exceeding those values is listed. Second, the range of arsenic concentrations in the community is fully characterized by the arsenic concentration distribution used in the probabilistic analyses. Probabilistic risk assessment provides for risk evaluation of the full range of arsenic concentrations in each corrective measures alternative, including the “no further action” alternative, as well as in the background concentration distribution.

The Agencies state that “there must be a more clear definition of surface soil verses [sic] sub-surface soil exposures with proper consideration given to sub-surface soil becoming a surface soil exposure to occupants as a result of possible future soil disturbance activities.”

Response: As described in the risk assessment, the distribution of subsurface soil arsenic concentrations in residential areas is located to the left of the surface soil concentration distribution, indicating that deeper soils generally have lower arsenic concentrations than surface soils. The risk assessment also includes a table and figure showing that after remediation, subsurface soil concentration distributions will continue to be equal to or slightly less than the surface soil arsenic concentration distributions for each alternative. As a result, there is no need to compare surface-type exposures to subsurface soils because the risks will be lower than those estimated for exposure to surface soils, either under current conditions or following implementation of corrective measures.

Agencies’ General Comment 5—Ecological Evaluation of Arsenic and Non-Arsenic Constituents

The Agencies’ comment that “it is necessary that arsenic and non-arsenic constituents that exceed the ESCOs [the Ecological Soil Cleanup Objectives included in 6 NYCRR Part 375] be evaluated in ecological risk assessments performed for areas along Culvert 105 north of Sleeper Street.”

Response: As described in the CMS work plan, the CMS includes an ecological risk assessment for the areas along Culvert 105 north of Sleeper Street. Potential ecological impacts have also been considered during corrective measure alternatives evaluation, including potential impacts to wildlife, habitat, and mature trees and plantings in the CMS areas.

Agencies' General Comment 6—Toxicity Assessment

The Agencies object to the proposed use of the subchronic arsenic reference dose of 0.005 mg/kg-day derived by Tsuji et al (2004) to evaluate noncancer risks for children.

Response: As described in the risk management approach document, FMC evaluated noncancer risks for arsenic exposure in children and adults using EPA's chronic oral reference dose of 0.0003 mg/kg-day in accordance with EPA guidance. Evaluation of risks using the subchronic reference dose of 0.005 mg/kg-day derived by Tsuji et al (2004) was conducted only to supplement the chronic risk evaluation, and is not used as a decision point for the selection of corrective measures alternatives.

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Boyce, C.P., A.S. Lewis, S.N. Sax, M. Eldan, S.M. Cohen, and B.D. Beck. 2008. Probabilistic analysis of human health risks associated with background concentrations of inorganic arsenic: use of a margin of exposure approach. *Human Ecol. Risk Assess.* 14:1159-1201.

CRA. 2003. Development of arsenic background in Middleport soils. FMC Corporation, Middleport, New York. Ref. No. 2788 (99). Conestoga-Rovers & Associates.

MCIG. 2010. Email from the Middleport community input group (Bill Arnold, Chairman) to FMC (Brian McGinnis). Subject: MCIG Comments Concerning Risk Assessment, dated March 17, 2010. (Note that these same comments were transmitted to the Agencies via letter issued by e-mail on April 19, 2010, from Bill Arnold, Chairman Middleport community input group to Messrs. Everett [USEPA], Dassatti [NYSDEC] and Litwin [NYSDOH]. Subject: Letter signed by Messrs. Everett, Dassatti, and Litwin to Mr. Robert Forbes of FMC, on the subject of the CMS for the Air Deposition Area and Culvert 105 in Middleport.)

Meacher, D.M., D.B. Menzel, M.D. Dillencourt, L.F. Bic, R.A. Schoof, L.J. Yost, J.C. Eickhoff, and C.H. Farr. 2002. Estimation of multimedia inorganic arsenic intake in the U.S. population. *Human Ecol. Risk Assess.* 8:1697-1721.

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USEPA. 2009a. Using probabilistic methods to enhance the role of risk analysis in decision-making with case study examples. EPA/100/R-09/001. Risk Assessment Forum, PRA Technical Panel Working Groups.

USEPA. 2009b. Memo to EPA employees re: Scientific integrity: Our compass for environmental protection. To: All EPA employees. From: Lisa P. Jackson, Administrator. U.S. Environmental Protection Agency, Washington, DC. May 9.

New York State Department of Environmental Conservation

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FILE COPY



Alexander B. Grannis
Commissioner

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

March 23, 2010

Mr. Robert Forbes
Director, Environment
FMC Corporation
1735 Market Street
Philadelphia, Pennsylvania 19103

Dear Mr. Forbes:

Re: FMC Corporation, Middleport, NY
EPA ID No. NYD002126845
AOC Docket No. II-RCRA-90-3008(h)-0209
Arsenic Air Deposition Area 1 and Culvert 105
FMC's Corrective Measures Study (CMS)
FMC's October 30, 2009 Risk Management Approach Document

Project staff from the United States Environmental Protection Agency (USEPA), the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), have collectively reviewed FMC's proposed "Middleport Risk Management Approach for the Corrective Measures Study (CMS)" submitted by FMC letter dated October 30, 2009. This risk approach document was prepared to be used in the CMS being performed by FMC for the RCRA Facility Investigation (RFI) delineated areas within Arsenic Air Deposition Area 1 and along Culvert 105.

Based on our staff's review of FMC's October 2009 submittal, we feel it necessary to alert you to a number of global issues we have identified with FMC's proposed approach to evaluating potential human health and environmental risks in the referenced CMS. These issues are summarized in six (6) general comments enclosed with this letter. Above all, FMC's proposed approach puts far too much emphasis on the use of mathematical methods of estimating potential human health risks posed by FMC related contaminants in off-site soil, primary among these being arsenic. While mathematical methods can provide some guidance on exposure risks, FMC's document overstates the ability of these methods to accurately portray risk outcomes from contaminant exposure. There are inherent uncertainties in the assumed input values used in these methods which translate into significant uncertainties in their mathematical results. It is for this reason that we have consistently stated in the past that such mathematical risk assessments are only one of several tools used in evaluating exposure risks, and that emphasis must be placed on conservatively viewing their results so as to avoid under estimating potential risks in making remedial decisions.

The enclosed comments set forth our position regarding various aspects of FMC's approach and clearly indicate how we expect FMC to address them in the CMS. While we are open to discussing the enclosed issues with you at our upcoming April meeting, we are not interested in entering into protracted negotiations on these matters. As FMC is aware, this

project has already taken a number of years to reach this point, and the affected Middleport community is justifiably anxious to see final resolution. We would like to move forward with a new sense of urgency in which we quickly identify issues and reach an agreement on them. If during this process FMC disagrees with any decision, determination or directive made by the Agencies, it may invoke the dispute resolution process pursuant to the terms of the above referenced AOC.

As stated in our September 14, 2009 letter, we fully expect FMC to meet its CMS obligations under the above referenced AOC and we look forward to the receipt of a Draft CMS Report, by June 15, 2010, that fully and fairly evaluates each CMS alternative and their potential exposure risks in an unbiased manner.

If you have questions concerning this letter or its enclosure, you may contact either Mr. Michael Infurna (USEPA), at (212) 637-4177; Mr. Matt Mortefolio (NYSDEC), at (518) 402-8594; or Mr. Nathan Freeman (NYSDOH), at (518) 402-7860.

Sincerely,



Adolph Everett
Chief
RCRA Programs Branch
Region II
USEPA



Edwin Dassatti, P.E.
Director
Division of Solid and
Hazardous Materials
NYSDEC



Gary Litwin
Director
Bureau of Environmental
Exposure Investigation
NYSDOH

Enclosure

cc: w/enc. - D. Watts, MCIG Technical Advisor
W. Arnold, MCIG Chairperson
D. Seaman, Seaman, Jones, Hogan & Brooks

ecc: w/enc. - M. Infurna, USEPA, Region II
M. Mortefolio, NYSDEC, Albany
N. Freeman, NYSDOH, Troy
M. Hinton, NYSDEC Region 9 Buffalo

ENCLOSURE
Agencies' Issues Regarding
FMC's October 2009 Proposed Middleport Risk Management Approach for the CMS

1. Probabilistic Type Risk Approach

The document includes both a deterministic (i.e., point estimate) and stochastic (i.e., probabilistic) approach to human health exposure assessment of arsenic in soil. However, the FMC document places an unfair bias towards the stochastic type approach, stating that it is a "more comprehensive approach" and emphasizing its advantages over the deterministic approach. The extent to which the probabilistic exposure assessment can more accurately define risks and risk reduction associated with the proposed remedial alternatives is linked to the extent and quality of available information. Where data gaps exist, the stochastic model has a greater reliance on professional judgment, which can cause greater uncertainty in the results, so that there is likely no inherent advantage to conducting a probabilistic type exposure assessment.

We see no positive value to performing probabilistic type exposure assessments in this CMS. The complex nature of this type assessment and the likelihood of disagreements on the way it is performed by FMC, will only serve to unnecessarily delay the CMS process. We are fully confident that appropriate remedial decisions can be made without this type of an assessment. Therefore, FMC should not perform probabilistic type exposure assessments in this CMS. A deterministic approach should be used.

2. Characterization of "Incremental" Risk

The FMC document places a significant emphasis on determining "incremental or differential risk" (the "extra risk" that may exist once background or arsenic diet sources are subtracted). EPA guidance (e.g., Risk Assessment Guidance for Superfund, 1989) recommends comparing site related data to background. According to the guidance, where, as in this case, the site-related contamination is above background, the risk assessment should be performed without subtracting background conditions.

Also, this type of comparative risk approach can be misleading and often does not account for personal habits and other factors that can influence an individual's risk, or involuntary vs. voluntary risk etc. Therefore, any site-specific deterministic type risk assessments performed in conjunction with this CMS should focus on the characterization of potential risks in FMC impacted areas posed by various soil arsenic concentrations associated with each CMS cleanup alternative (including the "no action" alternative), and not on some risk comparison to other non-FMC related sources of arsenic. An incremental risk analysis should not be used.

3. Re-Calculating Site-Specific Arsenic Background

The document contains a discussion regarding the comparison of Middleport (site) and Gasport (background) soil arsenic data sets and argues that a re-calculation of arsenic background is needed for proper risk evaluation. The argument is that residential soil samples between the two communities can't be directly compared because they were not obtained in the same proportions from particular property categories. The Gasport Background Study was conducted according to a well developed work plan based on input from FMC technical consultants, the Agencies and an independent Peer Review group of experts from multiple environmental disciplines. This work plan went to great lengths to insure the (background) community was as representative as possible to the (site) community, and different property types were sampled in the correct proportions so as to not over or under represent any particular historic land use type in the site

community. There is no need to create computer generated data, and such data should not be used as equivalent to actual sample results to alter previously established background values.

Since FMC has not presented any new information on Middleport background (e.g., new data, new historic land use information, etc.) there is no reason to revisit the issue of Middleport arsenic background in soil already adequately established by the RFI. Any portrayal of site-specific arsenic background in the CMS should be based on the 2003 results of the Gasport Background Study with arsenic concentrations of 20 ppm and lower providing a reasonable representation of Middleport site background.

4. Deterministic Risk Assessment Approach and Input Parameters

The pathway analysis and parameter input values used in FMC deterministic risk assessments should be consistent with the approach and input values used to derive the Soil Cleanup Objectives (SCOs) in 6 NYCRR Part 375 (as described in the Technical Support Document (TSD) available from DEC's web site (<http://www.dec.ny.gov/chemical/34189.html>)), unless site specific conditions justify variations. For example, limited variations for some parameter input values such as number of days of potential exposure based on local climate, may be appropriate to better represent site specific conditions. However, any proposals by FMC to use values/approaches different than those used in developing the SCOs must include a full justification as to why the DEC values are not indicative of Middleport site conditions. Also, FMC should be aware that the USEPA is currently re-evaluating the arsenic cancer slope factor used in human health risk assessment and may revise the value of this factor upward to account for bladder and lung cancers. Although the timing of any such revision is currently uncertain, the possible impacts of such a change should at least be addressed in the risk assessments' uncertainty analysis.

With regard to existing soil arsenic concentrations in FMC impacted areas, the document proposes to represent them by using CTE and RME soil arsenic concentration values of 22.8 ppm & 24.8 ppm in deterministic risk assessments for Air Deposition Area 1, and 22.5 ppm & 82.0 ppm for Culvert 105. Based on a review of RFI Report Volumes II & IV, there are a substantial number of properties and areas with average and point arsenic concentrations in soil that are significantly higher than these proposed CTE and RME values. For these properties/areas, use of the proposed CTE and RME soil arsenic concentration values could significantly under-estimate arsenic exposure and resultant human health risks. For deterministic risk assessments used to help evaluate the "no action" alternative, FMC must use a set of CTE and RME arsenic concentration values that are more representative of the full range of arsenic concentrations found on FMC impacted properties/areas. Also, there must be a more clear definition of surface soil verses sub-surface soil exposures with proper consideration given to sub-surface soil becoming a surface soil exposure to occupants as a result of possible future soil disturbance activities.

5. Ecological Evaluation of Arsenic & Non-Arsenic Constituents

North of Sleeper Street along Culvert 105, there are substantial areas where wildlife could be expected to inhabit or visit. Analytical data from RFI Report Volume IV indicates a number of soil samples which exceed the 6 NYCRR Part 375 Ecological Soil Cleanup Objective (SCO) for arsenic of 13 ppm. Also, certain FMC-related, non-arsenic constituents exceed Ecological SCOs at a significant frequency in these wildlife areas. For example, 21 of 69 results exceed ESCO for lead and 24 of 69 results exceed ESCO for DDT.

Therefore, it is necessary that arsenic and non-arsenic constituents which exceed the ESCOs be evaluated in ecological risk assessments performed for areas along Culvert 105 north of Sleeper Street.

6. Toxicity Assessment

The document indicates that noncancer risks for arsenic exposure in children will be evaluated using a subchronic reference dose of 0.005 mg/kg/day derived by Tsuji, et al. (2004). This reference dose has not been endorsed by the US EPA or other authoritative body. The noncancer risks for children should be evaluated using the US EPA chronic arsenic reference dose of 0.0003 mg/kg/day (US EPA 1990). This is more consistent with the approach for choosing toxicity values contained in the Technical Support Document for the derivation of Soil Cleanup Objectives in 6 NYCRR Part 375 (available from DEC's web site (<http://www.dec.ny.gov/chemical/34189.html>)). The TSD recommends only toxicity values derived by authoritative bodies and which are derived in a manner consistent with current risk assessment practice.

References:

Tsuji, JS, R Benson, RA Schoof and GC Cook. 2004. Health effect levels for risk assessment of childhood exposure to arsenic. *Reg. Toxicol. Pharmacol.* 39: 99-110.

US EPA (United States Environmental Protection Agency). 1990. Integrated Risk Information System. Office of Research and Development, National Center for Environmental Assessment. Available at <http://www.epa.gov/iris/index.html>. Accessed 12/02/09.

**RESPONSES TO THE MIDDLEPORT
COMMUNITY INPUT GROUP'S
COMMENTS**

Responses to the Middleport Community Input Group's March 17, 2010, Comments on FMC's October 30, 2009, Risk Management Approach Document

The following email provided comments from the Middleport community input group (MCIG) to FMC regarding the CMS health risk assessment approach. Each comment is reproduced below the email and followed by a response.

From: Middleport Community Input Group [mailto:middleportcig@localnet.com]

Sent: Wednesday, March 17, 2010 11:27 AM

To: Brian McGinnis; Lachell, Waichin; Erin Rankin

Cc: Overkamp, Debra; Barb Albone; Lisa Allen; Tom Arlington; Liz Bateman; Jennifer Bieber; Tom Conley; Patrick Cousins; Susan D. Crafts; Julie Haley; Dan Dodge; Gloria Fierch; Mary Cedeno; Christa & Larry Lutz; Susan Stevens; John Swick; Hal Mufford; Bill Arnold; Dick Westcott; Julia Maedl; Frank Sarchia; Mike Conley; Dick Owen; Jason Dodge; Margaret Droman; Liz Storch; Lynn Andrews; Dori Green; Roger Grove; Michael Miano; Herb Koenig; George and Ann White; Richard Willing; Jim Pasinski; Dan Watts; Ann Howard; Mike Hinton-DEC; Mike Infurna-EPA; Matt Mortefolio; Nathan Freeman

Subject: MCIG Comments Concerning Risk Assessment

Brian, Wai Chin and Erin

The Middleport Community Input Group has reviewed the Risk Assessment related to the Corrective Measures Study for the Air Deposition Area and Culvert 105 in Middleport and find it acceptable with the following comments:

1. The MCIG wants to emphasize risk-based decision making be employed rather than relying on standard assumptions.
2. The MCIG wants to encourage a thorough consideration of probabilistic risk assessment because it is a finer-tuned method of performing the assessment.
3. The MCIG understands the USEPA has asked for a bioavailability of one. This is believed to be worst case and asked that a representative number be found that is applicable to the Middleport area.
4. The MCIG wishes to emphasize the use of real place-based data from Middleport and not from a different location because of issues such as climate and the environment.

This topic can be placed on the agenda for a future MCIG meeting if desired.

Bill Arnold

Members: Bill Arnold (Chairman), Lisa Allen, Barb Albone, Lynn Andrews, Tom Arlington, Elizabeth Bateman, Jennifer Bieber, Mary Cedeno, Norm Christainsen, Tom Conley, Pat Cousins, Susan Crafts, Dan Dodge, Jason Dodge, Margaret Droman, Dori Green, Roger Grove, Julie Haley, Jean Koenig, Herb Koenig, Christa Lutz, Larry Lutz, Julie Maedl, Michael Miano, Harold Mufford, Dick Owen, Frank Sarchia, Michael Seefeldt, Villa Seefeldt, Susan Stevens, Elizabeth Storch, John Swick, Dick Westcott, Ann White, George White, Nina Willing, Richard Willing, Ann Howard (Facilitator), Dan Watts (Technical Advisor)

MCIG's Comment 1—Risk-Based Decision-Making

The MCIG wants to emphasize risk-based decision making be employed rather than relying on standard assumptions.

Response: The risk assessment includes separate analyses using the available site-specific data (site-specific risk assessment), as well as standard assumptions that may not be representative of Middleport conditions (default risk assessment). The assessment using default assumptions was included based on comments from the Agencies. The risk assessment itself does not include risk-based decisions, but should provide the tools needed by the stakeholders for risk-based decision-making. Special attention should be paid to the comparison of outcomes from the different risk assessment approaches presented in the risk characterization section, and to the uncertainty assessment section that contains a discussion of uncertainties associated with the various approaches and assumptions. These discussions should help guide the MCIG and the community through the decision-making process.

MCIG's Comment 2—Probabilistic Risk Assessment

The MCIG wants to encourage a thorough consideration of probabilistic risk assessment because it is a finer-tuned method of performing the assessment.

Response: FMC has complied with the MCIG's request by including a probabilistic risk assessment (PRA) using site-specific data as one of the three risk assessment approaches used for the residential scenario. The risk assessment describes EPA's guidance for PRA and provides detailed descriptions of the assumptions used to develop exposure distributions. As anticipated, the PRA provides a much clearer view of the possible range of exposures to soil arsenic in the areas evaluated. The risk estimates based on the PRA were generally about half the risk estimates based on the site-specific deterministic risk assessment, and were about 5 percent of the risk estimates based on the default deterministic risk assessment.

MCIG's Comment 3—Site-Specific Bioavailability

The MCIG understands the USEPA has asked for a bioavailability of one. This is believed to be worst case and asked that a representative number be found that is applicable to the Middleport area.

Response: FMC has complied with the MCIG's request to apply the site-specific bioavailability data for oral and dermal absorption of soil arsenic in the risk assessment. As described above, the risk assessment includes separate analyses using the available site-specific data (site-specific risk assessment), as well as default values that may not be representative of Middleport conditions (default risk assessment). EPA's default assumption of an oral relative bioavailability (RBA) value of 1.0 implies that the absorption of arsenic from soil is the same as absorption of arsenic from drinking water. In contrast, site-specific data supports an RBA value of 0.22. For dermal absorption of soil arsenic, the EPA default value is 3 percent. In contrast, site-specific data indicates that there is negligible dermal absorption of arsenic from soil, so that exposure route is not included in the site-specific risk assessment. Use of the EPA bioavailability values overestimates risks in Middleport by more than five times.

MCIG's Comment 4—Place-Based Data

The MCIG wishes to emphasize the use of real place-based data from Middleport and not from a different location because of issues such as climate and the environment.

Response: FMC has complied with the MCIG's request by using available place-based data in the site-specific risk assessment whenever data quality and applicability were established. In cases where data could not be used directly in the risk calculations, the place-based data are summarized and discussed in the context of the assumptions selected. One primary place-based factor is the number of days per year during which residents are assumed to contact soil, termed the "exposure frequency" in the risk assessment. It is assumed that exposure to soil will be minimal when the ground is frozen or snow-covered. Using National Weather Service data on the number of days per year with 1 in. or more of snow cover, the exposure frequency for soil was reduced from 350 days/year to 291 days/year. In the risk assessment, the conservatism of this assumption is established by comparison to New York State-derived values and responses to a community survey. The community survey also provided useful information regarding the frequency and nature of residents' outdoor activities that might bring them in contact with yard soil.

RESPONSES TO THE COMMUNITY'S COMMENTS

Responses to the Community's Comments on the Risk Assessment Approach

FMC has participated in a number of public outreach activities during which attendees have asked or submitted questions pertinent to the risk assessment. These activities are listed below, followed by the questions and FMC's responses.

CMS activities with residents included the following:

- November 4 and 5, 2009, Risk Assessment Presentations
- November 17 and December 3, 2009, Risk Assessment and Land Use (at coffee houses)
- Middleport Soil Exposure Survey – Returned December 7, 2009

November 4, 2009, Risk Assessment Presentation

1. Does the survey ask how many days during the year a person is out in their yard or the number of days during the year that a person is working in the soil in their yard? The resident felt there is a significant difference between the two scenarios when looking at risk.

Response: The resident is correct that different activities will be associated with differing intensities of contact with yard soil. Soil ingestion rates assumed in the risk assessment are intended to represent average daily intake of soil over long periods of time from a variety of activities. People who engage in activities with high soil contact more frequently would generally be expected to have higher average soil ingestion rates, although other factors, such as the frequency of hand-to-mouth contact, will also influence soil ingestion rates. Soil ingestion rates used for the high-end exposure estimates in the risk assessment are expected to be protective for people who engage in high soil contact activities more frequently.

The community survey asked a series of questions related to time spent in the yard and how that time was spent. One question asked how many days per month were spent in the yard during different seasons, while other questions addressed the nature of the surfaces contacted (e.g., bare dirt, grass, or decks and patios) and activities performed (e.g., gardening, playing, sitting in lawn furniture, etc.) while in the yard. Consideration of the answers to these questions helped determine that the selected soil ingestion rates were appropriate for the community.

2. Why are the Agencies pro-deterministic versus the probabilistic approach for the risk assessment?

Response: The Agencies have stated that remedial decisions can be made without probabilistic analyses. While their opinion may be true, it is FMC's position that it is only in the probabilistic analyses that the full range of potential risks is illustrated. Use of probabilistic risk assessment is standard practice and has been used by EPA and others to evaluate a variety of sites, including exposure situations involving arsenic. FMC believes that fully employing the extensive site-specific data available along with both deterministic and probabilistic risk assessment provides a firm foundation for development of an effective corrective measures alternative.

3. Is the deterministic approach more mathematical than the probabilistic approach?

Response: No, both approaches use mathematical models. FMC agrees with the Agencies' observation that high degrees of uncertainty can occur with use of mathematical models for risk assessment. In fact, the three levels of risk analyses (default deterministic, site-specific deterministic, and site-specific probabilistic) used in the risk assessment were developed in an attempt to reduce the magnitude of uncertainty and increase the transparency of assumptions made in characterizing exposures. All of these risk assessment approaches, including the default deterministic approach that the Agencies advise should be used, are mathematical models. Inclusion of site-specific data serves to reduce the uncertainty in these models, and probabilistic analyses provide greater transparency regarding the range of risks in the community.

4. If arsenic in the human body is excreted, then how much arsenic accumulates in our bodies?

Response: Most arsenic that is absorbed into the body is excreted within 3 days, so little arsenic accumulates in the body. However, it is important to recognize that it is not necessary for a chemical to accumulate in the body for it to exert toxic effects. The toxic effects of high doses of arsenic are due to interactions with proteins that lead to changes in biochemical and cellular processes in the body. These effects may remain for varying periods of time after the arsenic is excreted.

5. Is the USEPA cancer slope factor recognized/accepted by the NYS agencies?

Response: In selecting an oral arsenic cancer slope factor for the soil cleanup objectives program, NYSDEC and NYSDOH (2006) relied on EPA's current cancer slope factor of 1.5 per mg/kg-day. As described in the risk assessment, EPA has proposed a revised cancer slope factor of 25.7 per mg/kg-day, but neither EPA nor the State are using that value while it continues to undergo scientific peer review.

NYSDEC and NYSDOH. 2006. New York State Brownfield Cleanup Program development of soil cleanup objectives technical support document. New York State Department of Environmental Conservation and New York State Department of Health. September.

6. Are the Agencies going to accept FMC's bioavailability rate?

Response: FMC has calculated risks using the Agencies' default bioavailability values and the site-specific values. EPA's default assumption of an oral relative bioavailability (RBA) value of 1.0 implies that the absorption of arsenic from soil is the same as absorption of arsenic from drinking water. In contrast, a study of Middleport soil supports an oral RBA value of 0.22. For dermal absorption of soil arsenic, the USEPA default value is 3 percent. In contrast, a study of Middleport soil indicates that there is negligible dermal absorption of arsenic from soil, so that exposure route is not included in the site-specific risk assessment. Use of the EPA oral and dermal bioavailability values overestimates risks in Middleport by more than five times. FMC does not yet know if the Agencies and other stakeholders will rely on the site-specific bioavailability rates or take into consideration the resulting risk estimates when selecting the corrective measure alternative for this CMS.

November 17, 2009, Coffee House

1. How does grass prevent direct exposure to soil?

Response: The main way people are thought to ingest soil is by getting a fine layer of soil on their hands and then touching their face near their mouth or putting their fingers in their mouth. They may also put other objects with some soil or dust on them into their mouths. These objects could be food, toys, or cigarettes. Different activities will be associated with differing intensity of contact with yard soil and different amounts of soil on fingers or other objects. For example, gardening is likely to result in more soil on skin than mowing the lawn. Grass creates a barrier between people and the underlying soil, and will consistently reduce the transfer of soil to skin and other objects. Grass will not necessarily completely prevent exposure to the underlying soil, and the degree of protection from grass will depend on how well a lawn is maintained. Grass is also expected to reduce the amount of soil that is tracked into a home and the amount of dust that could be blown into the air by windstorms.

2. Are there any studies that have determined the length of time needed to be exposed to arsenic in soil to cause illness?

Response: Toxic effects of chemicals are a function of both dose and length of exposure. Very high doses may cause health effects after very short exposure periods, while lower doses will take much longer to show an effect. The concentration of arsenic in Middleport soil is too low to pose any risk of health effects from short exposures. For that reason, the

risk assessment examined risks from many years of exposure. Even looking at risk from years of exposure, the risk assessment only predicts low risks, and the calculated doses are lower than those associated with arsenic naturally present in food and drinking water throughout the U.S.

ATTACHMENT 8

SITE-SPECIFIC BIOAVAILABILITY STUDIES OF ARSENIC IN MIDDLEPORT SOILS

Testing Arsenic Absorption from Middleport, New York, Soils

As part of an effort to understand the nature and behavior of arsenic in soils and sediments in the vicinity of FMC Corporation's facility in Middleport, New York, FMC has undertaken studies of the potential for arsenic uptake from soils collected from the Middleport study areas. Information obtained from these studies is intended to support work being performed as part of the FMC Middleport Facility's RCRA Facility Investigation and Corrective Measures Study. Two distinct aspects of research have been completed on Middleport soil: 1) evaluation of relative oral arsenic bioavailability, and 2) percutaneous absorption of arsenic.

The Middleport soil oral arsenic bioavailability study consisted of arsenic mineralogy testing of fourteen surficial soil samples and four subsurface soil samples; *in vitro* testing for measurement of arsenic bioaccessibility in fourteen surficial soil samples and four subsurface soil samples; and *in vivo* testing of three Middleport soil samples in cynomolgus monkeys. The scope of work and description of the protocols for the oral arsenic bioavailability study on Middleport soils are described in the "*Work Plan for the Evaluation of Arsenic Bioavailability from Middleport Soil*" (Exponent, February 2004), which was provided to the U.S. Environmental Protection Agency (EPA) and the New York State Department of Environmental Conservation (NYSDEC) in February 2004. The *in vivo* research effort builds on the *in vitro* extraction testing and mineralogy work that was conducted on Middleport soils and reported previously (Exponent 2005, attached).

The second study evaluated the potential for percutaneous absorption of arsenic following dermal contact for one soil sample collected from Middleport. The protocol for this study is presented in the protocol titled, "*Dermal Absorption of Arsenic from Soil in Rhesus Monkeys*," which was provided to EPA and NYSDEC in January 2004.

The oral bioavailability and the dermal absorption *in vivo* testing performed on the Middleport soil samples were included in a broader research effort that was funded by the Strategic Environmental Research Development Program (SERDP), which uses funding from the U.S. Department of Defense, EPA, and the U.S. Department of Energy to sponsor research that identifies, develops, and implements environmental technologies. Brief fact sheets regarding the goals of the larger research effort are attached. The *in vivo* work conducted to date to understand the potential for human exposures to arsenic from these soils represents original research that has been submitted for publication in the peer-reviewed literature.

The methods employed for both aspects of the research (oral and dermal exposures) have been used in previous evaluations, and are already incorporated into peer-reviewed publications. Summaries of the two broader research efforts, which include the results for the Middleport soil samples, are provided below. Published articles that report the new research, and a manuscript that is in press at this writing, which contain the data from the Middleport samples, are attached. These peer-reviewed articles document the methods used in this research.

Relative Oral Bioavailability of Arsenic in Cynomolgus Monkeys

Research was conducted in the laboratory of Dr. Stephen Roberts at the University of Florida in Gainesville, Florida, and reported in the attached publication (Roberts et al. 2007). The study was conducted in an *in vivo* model using cynomolgus monkeys. This animal model was selected because of its phylogenetic similarity to humans, and because no other animal model has been specifically validated for evaluation of the relative oral bioavailability of arsenic in humans. Although this animal model also has not been specifically validated for the study of arsenic, it has been used to evaluate the relative oral bioavailability of arsenic from soils (Freeman et al. 1995), and a compilation of data across several studies indicates that the cynomolgus monkey is a reliable predictor of oral bioavailability in humans ($r^2=0.974$ for 43 drugs for which data were available in both species, with a slope near unity) (Chiou and Buehler 2002).

For this research, monkeys (n=5 for each soil) were dosed, via gavage, with a slurry of soil in water. Urine and feces were collected and analyzed for arsenic to provide a measure of absorbed arsenic (based on urinary data), and to assess total recovery of the arsenic dose (urinary and fecal data). The study design incorporated a low-arsenic diet to minimize the potential for confounding from the normal contributions of arsenic from dietary sources. Relative oral bioavailability (RBA) was assessed by comparing the fraction of the absorbed dose of arsenic from soil to the fraction absorbed from a dose of soluble sodium arsenate, corrected for background, on an animal-specific basis.

$$RBA = \frac{(\% \text{ of soil dose in urine}) - (\text{background})}{(\% \text{ of NaAs dose in urine}) - (\text{background})}$$

The research included evaluation of fourteen discrete site soils, three of which were collected from Middleport, New York. The basis for selecting the specific soil samples from Middleport has been described previously (Exponent 2005) and included selecting soils with a range of soil arsenic concentrations (339, 549, and 1,000 mg/kg) and a range of measured *in vitro* bioaccessibility for Middleport site samples, with a bias toward samples that demonstrated *in vitro* bioaccessibility at the higher end of the measured range, thus biasing the *in vivo* results toward the samples with an expected higher bioavailability. Additionally, mineralogical characterization of soils from Middleport suggest that there may be two distinct profiles for arsenic in soil, with samples containing less than 600 mg/kg arsenic dominated by arsenic in different phases than that for the samples with higher arsenic concentrations. Therefore, the soil samples selected for further research capture the range of mineralogy reflected in soils at the site. Together, these sample selection criteria should have resulted in bioavailability data from the *in vivo* research that are either representative of the site, or constitute an upper-bound estimate of bioavailability of soils in the site vicinity. Finally, all selected samples are surface soil samples, which represent the materials most likely to be associated with direct-contact exposures.

The soils from Middleport (identified as New York Pesticide Facility, or NYPF, samples in the attached publication by Roberts et al.) were administered to monkeys at arsenic doses of 0.30, 0.49, and 0.99 mg/kg. The variation in arsenic dose is associated with the variation in arsenic

concentration in the soils, because the soil dose (in terms of mass of soil per body weight of monkey) was held constant across these three soils. Research on these soils suggested good total recovery of arsenic (88.5% to 93.2% of the administered dose) and measured RBA for the three soils of 0.28 (± 0.1), 0.20 (± 0.10), and 0.19 (± 0.05).

The *in vivo* testing results for the soils from Middleport indicate a reduced bioavailability of arsenic from these soils, relative to absorption of soluble arsenic, with an upper limit of 0.28 (i.e., 28%). As described above, the RBA values reported for the specific Middleport soils tested likely represent the upper range of RBA for soils in the vicinity of the site. The observation of a reduced relative oral bioavailability for arsenic in Middleport soils is consistent with results for soils from other sites that have also been studied. Across the 14 soils from 12 disparate U.S. sources evaluated in the cynomolgus monkey, reported RBA values ranged from 0.05 (± 0.04) to 0.31 (± 0.04), indicating significantly low relative oral bioavailability of arsenic from soils, regardless of provenance.

It should be pointed out that the *in vitro* method used to assess bioaccessibility of arsenic from Middleport-area soils has been validated for estimating the RBA of lead, but has not been specifically validated with regard to arsenic. Conversely, as discussed above, data from monkey studies appear to provide a good prediction of absorption by humans (Chiou and Buehler 2002). The *in vitro* method used to assess the bioaccessibility of the broader range of surface and subsurface soils from the Middleport vicinity (Exponent 2005, attached) has now been shown to overpredict bioavailability as measured in the cynomolgus monkey (SERDP 2005). Specifically, for all of the test and control soils fed to the monkey (14 test soils and 2 control soils), the *in vitro* method underpredicts the RBA in only two. The soils for which RBA is underpredicted by the *in vitro* method are a mine tailings soil and a clay soil that absorbed arsenic spills. This indicates that the *in vitro* data provide an overestimate of relative oral bioavailability of arsenic from most soils.

For the three Middleport-area soils tested in both systems (*in vivo* in the cynomolgus monkey and *in vitro*), the results are shown below. The results for these and other soil samples indicate that the RBA of arsenic for Middleport-area soils is expected to be lower than indicated by the *in vitro* data, if each of the soils were to be studied in the monkeys.

Relative oral bioavailability of arsenic in Middleport soils

Sample	Arsenic Concentration (mg/kg)	<i>In Vivo</i> RBA ^a	<i>In Vitro</i> Bioaccessibility
Sample T5E3: Surface soil sample collected from along Tributary One, south of the Erie Barge Canal	339	0.28 (±0.1)	52%
Sample T15E4: Surface soil sample collected from along Tributary One, north of the Erie Barge Canal, between Chase Road and Pearson Road	546	0.20 (±0.10)	26%
Sample A1B20: Surface soil sample collected from a residential property located adjacent to the plant (this property has subsequently been remediated)	1,000	0.19 (±0.05)	41%

^a Relative oral bioavailability

Percutaneous Absorption of Arsenic in Rhesus Monkeys

In a separate study, a soil from the vicinity of the Middleport facility was included as one of two soils evaluated for percutaneous absorption of arsenic. This research was conducted by Dr. Ronald Wester at the University of California at San Francisco, and builds on prior research conducted at this facility, using an *in vivo* Rhesus monkey research model. Research on arsenic in solution, and arsenic in solution in the presence of soil, conducted by Dr. Wester using Rhesus monkeys (Wester et al. 1993), forms the technical basis for guidance from EPA regarding dermal absorption of arsenic from soils (U.S. EPA 1992, 2004). However, our understanding of the geochemistry of arsenic suggests that, for soils that are weathered in the environment, arsenic is likely to be present in more stable alteration phases and would not be expected to behave like soluble arsenic. In order to best update the research upon which regulatory agencies rely, it was decided to use the same animal model in the same research facility, with the same principal investigator. Therefore, the research methods were updated to accept environmental samples (as opposed to radiolabeled samples). This study design has also been used to assess the percutaneous absorption of arsenic from residues present on the surface of CCA (chromated copper arsenic)-treated wood. Wester et al. (2004) established that the updated method was adequately sensitive to detect absorbed arsenic in the range detected in previous research.

In this research, Rhesus monkeys were dosed with arsenic applied to the abdominal skin, and absorption was measured based on urinary excretion of arsenic. As with the cynomolgus monkeys used for oral absorption research, the Rhesus monkeys were maintained on a low-arsenic diet, to allow for detection of arsenic absorbed from non-dietary sources. Results were expressed as the percent of the dermally applied dose that was excreted in urine, corrected for background on a monkey-specific and dosing trial-specific basis, and adjusted for the urinary arsenic excretion measured from an intravenously administered dose.

This research included an evaluation of two soils and sodium arsenate in solution. The <150- μm particle size fraction was selected for the soil studies, because this fine fraction represents the material most likely to remain on the surface of the skin following contact with soils, and because the small particle size provides for greater surface area, thus enhancing the potential for absorption. Soils were administered at two skin hydration levels to assess whether the presence of moisture might be a controlling factor in the dermal absorption of arsenic. The test soil from the Middleport vicinity contained an arsenic concentration of 1,400 mg/kg, and was applied at a total dose of 560 μg of arsenic in a monolayer on the skin surface. This soil was selected specifically because of the high arsenic concentration and the associated potential for demonstrating percutaneously absorbed arsenic.

The results from this research indicate that dermal application of soluble arsenic in solution is absorbed, with 4.8% $\pm$ 5.5% percent of the applied dose excreted in urine within a few days following exposure. Conversely, following application of soils, urinary excretion of arsenic does not increase above background levels, regardless of the test soil or hydration level of the skin. These results indicate that the assumption that arsenic weathered in soil will behave like soluble arsenic or soluble arsenic in the presence of soil is unsubstantiated. Rather, they suggest that dermal absorption of arsenic from soils provides a negligible, if any, contribution to arsenic exposures.

Summary and Conclusions

Arsenic chemistry (mineralogy), *in vitro* bioaccessibility, oral arsenic bioavailability, and dermal absorption of arsenic have been evaluated for soils collected from the Middleport study area. The information regarding arsenic mineralogy and *in vitro* bioaccessibility was used to understand the nature of arsenic in area soils, to assess the potential variability in solubility of arsenic under physiological conditions, and to provide a technical basis for selection of samples for additional study. Specifically, *in vitro* bioaccessibility data were used to identify soils for additional study that would either be representative of the site, or constitute an upper-bound estimate of bioavailability of soils in the site vicinity.

Results from animal research indicate that the relative oral bioavailability of arsenic from site soils is lower than the absorption of soluble arsenic, and that accurate assessment of exposures to arsenic from site soils should incorporate a relative oral bioavailability adjustment factor (RAF). A summary of this research is presented above, and full details of study design, results, and uncertainty are included in the attached manuscript. The results of the oral bioavailability research indicate arsenic RAF values of 19%, 20%, and 28% for the three study soils from the Middleport study area.

Similarly, research directed at understanding the potential for dermal absorption of arsenic from soils indicates that arsenic in soil is not absorbed across the skin as well as soluble forms of arsenic. These results indicate that dermal absorption of arsenic from soil is negligible, is unlikely to contribute to human exposures, and does not warrant quantification in assessment of exposures from site soils.

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Attachments

Characterization Data and *In Vitro* Testing of Surface and Subsurface Soil: Middleport, New York

Thirteen surficial soil samples and four subsurface samples (6- to 12-inch depth) were collected from the offsite areas in the vicinity of the FMC facility in Middleport, New York. As the initial steps toward the evaluation of arsenic bioavailability from these soils, several evaluations have been conducted, including soil characterization (total organic carbon [TOC], pH, grain size, and metals concentrations), *in vitro* bioaccessibility testing for arsenic, and arsenic mineralogy. Tables containing the associated data are attached (Tables 1–4). Results of the mineralogy evaluation and *in vitro* extraction testing are discussed further below. In order to respond to the agency advice that existing *in vitro* data would be strengthened by confirmation in an animal study, recommendations for samples for oral bioavailability testing *in vivo* in monkeys are also provided.

Arsenic Bioaccessibility from Middleport Samples

Measurement of arsenic bioaccessibility (i.e., the fraction that could become solubilized in the human gastrointestinal tract and be available for absorption) was conducted according to the Standard Operating Procedure (SOP) developed by the Solubility/Bioavailability Research Consortium, amended to incorporate an additional extraction at higher pH (presented in Appendix B of the Work Plan [Exponent 2004]). All 13 surface soil and 4 subsurface soil samples were evaluated. The arsenic concentrations observed for these soil samples ranged from <20 mg/kg (detection limit) to 2,230 mg/kg in surface soil, and from <20 mg/kg to 661 mg/kg in subsurface samples. Extraction was conducted under simulated stomach and intestinal conditions, with results reported separately for each phase of the extraction (Table 2, Figures 1 and 2). All quality control samples fell within acceptable limits (Table 3).

For the stomach-phase extractions (pH 1.5), the calculated bioaccessibility values range from 22% to 52%. For the intestinal phase (pH 7.0), calculated bioaccessibility values range from 19% to 36%, with the exception of one sample that demonstrated a lower intestinal-phase bioaccessibility of 4%. For the two samples (one surface and one subsurface) collected from location T2E1, arsenic concentrations were too low to allow for calculation of meaningful bioaccessibility values. Therefore, these samples are excluded from the following discussion. For 13 of the 15 soil samples for which bioaccessibility could be calculated, the bioaccessibility values based on the lower-pH (“stomach-phase”) extraction were higher than for the higher-pH, (“intestinal-phase”) extraction. For the two surface soil samples in which the bioaccessibility values are not higher in the stomach-phase extraction, the bioaccessibility values are very similar at both pH ranges tested (i.e., 24% vs. 26% for soil sample A1B21, and 22% vs. 28% for A1B3). Therefore, in most instances, it is reasonable to assume that the stomach-phase extraction controls solubility, and these data served as the basis for selecting samples for *in vivo* research.

For locations at which both surface soil and subsurface soil samples were collected, arsenic concentrations were similar or higher in the subsurface sample. Conversely, the bioaccessibility of arsenic from the subsurface soils was lower than that measured in the associated surface sample.

Arsenic Mineralogy in Middleport Samples

The arsenic mineralogy in the 13 surficial offsite soil samples and 4 subsurface samples was evaluated by electron microprobe, in accordance with the SOP presented in Appendix A of the Work Plan (Exponent 2004). Results from these analyses are presented in Table 4. These results indicate that the arsenic mineralogy in samples with less than about 600 mg/kg arsenic is dominated by arsenic in iron oxide soil minerals, arsenic in manganese oxide minerals, and arsenic in iron sulfate phases. In contrast, samples with greater than 600 mg/kg arsenic appear to contain arsenic predominantly as an iron-arsenic oxide compound (Fe-As oxide).¹ Based on measurements of arsenic bioaccessibility in *in vitro* testing of soils, it appears that the solubility of arsenic is low from this iron-arsenic oxide compound. Most of the samples with arsenic concentrations greater than 600 mg/kg arsenic also contain limited amounts of lead arsenate (PbAsO₄) and calcium arsenate (CaAsO₄), whereas these arsenic forms were not found in samples with lower arsenic concentrations.

The range of arsenic concentrations reflected in the four samples from subsurface locations is smaller than that observed in the 13 surficial soil samples: <20 mg/kg to 661 mg/kg for the subsurface samples, vs. <20 mg/kg to 2,230 mg/kg for surface soils. There are three locations represented by both surface soil and subsurface soil samples. The mineralogy is similar in two samples (T2E1 and T13E4), and in the third sample (T5E3), the subsurface sample is enriched in iron-arsenic oxide phases, relative to the surface soil sample. This finding, however, is consistent with the higher arsenic concentration in the subsurface sample: all of the surface or subsurface samples with arsenic concentrations greater than 600 mg/kg are enriched in this iron-arsenic oxide phase, making the data from the subsurface samples consistent with the data from the surface soil samples. Although the mineralogy of the soils at depth is not exactly like the overlying soils from the same location, the mineralogy reflected in the subsurface soils is consistent with the mineralogy reflected in the surficial soils—both surface and subsurface soils with arsenic concentrations below 600 mg/kg are dominated by arsenic in iron oxide phases, and samples with arsenic concentrations above 600 mg/kg are dominated by an iron-arsenic oxide phases. The mineralogy of the subsurface soils indicates that the arsenic forms present in these samples are the same as those found in surface soil samples from the site, and no additional forms of arsenic are present in the subsurface horizon.

¹ The literature does not indicate that an iron arsenate (or iron arsenite) pesticide was ever produced or marketed in the United States.

Sample Selection for *In Vivo* Bioavailability Testing

The work plan for evaluation of arsenic bioavailability from Middleport soils (Exponent 2004) specifies that, following characterization and bioaccessibility testing, three soils will be selected for *in vivo* testing for arsenic bioavailability in Cynomolgus monkeys, using a modified version of the oral bioavailability model of Roberts et al. (2002). Based on the bioaccessibility extraction data, the soils that were selected for oral bioavailability testing are surface soil samples T5E3, T15E4, and A1B20. These samples were selected because they represent a range of values for soil arsenic concentrations (339, 549, and 1000 mg/kg, respectively) and a range of measured bioaccessibility. (T5E3 has the highest bioaccessibility value, and A1B20 has the next-highest value, with a soil concentration sufficiently high for *in vivo* testing, while T15E4 is at the lower end of the range of measured bioaccessibility.) These samples include two samples from the tributary area. There are other samples that demonstrate higher bioaccessibility than some of the selected samples; however, three of these contain arsenic at concentrations that are too low for *in vivo* testing (i.e., below 200 mg/kg). A fourth sample that could be selected (S11) contains an arsenic concentration similar to that selected, and so would result in a more limited range of concentrations tested. The recommended samples also provide for some variability in the associated arsenic mineralogy, and will therefore provide bioavailability data for a range of mineralogies reflected in the soils at the site that contain higher arsenic concentration.

The samples selected for oral bioavailability testing are surface soil samples, which is appropriate in this case for several reasons. Surface soils best represent the materials that might be associated with direct-contact exposure, the observed arsenic concentrations and bioaccessibility ranges are similar between the surface and subsurface soils, and there does not appear to be any unique characteristics of the arsenic in the subsurface soils that would compel including them in the samples for oral bioavailability testing. Therefore, the surface samples selected represent the most relevant study matrices for oral bioavailability testing.

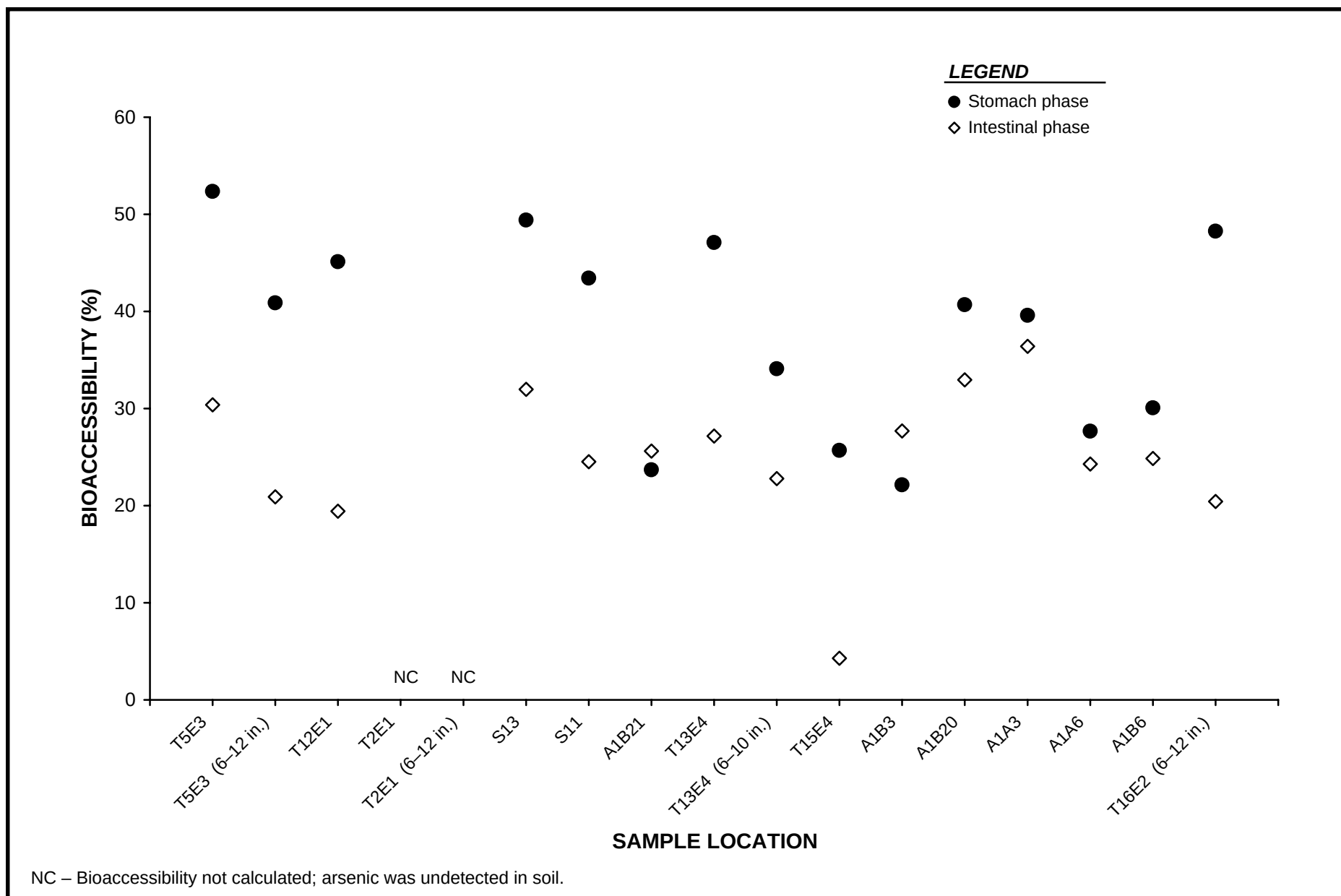


Figure 1. Arsenic *in vitro* bioaccessibility for Middleport soil samples

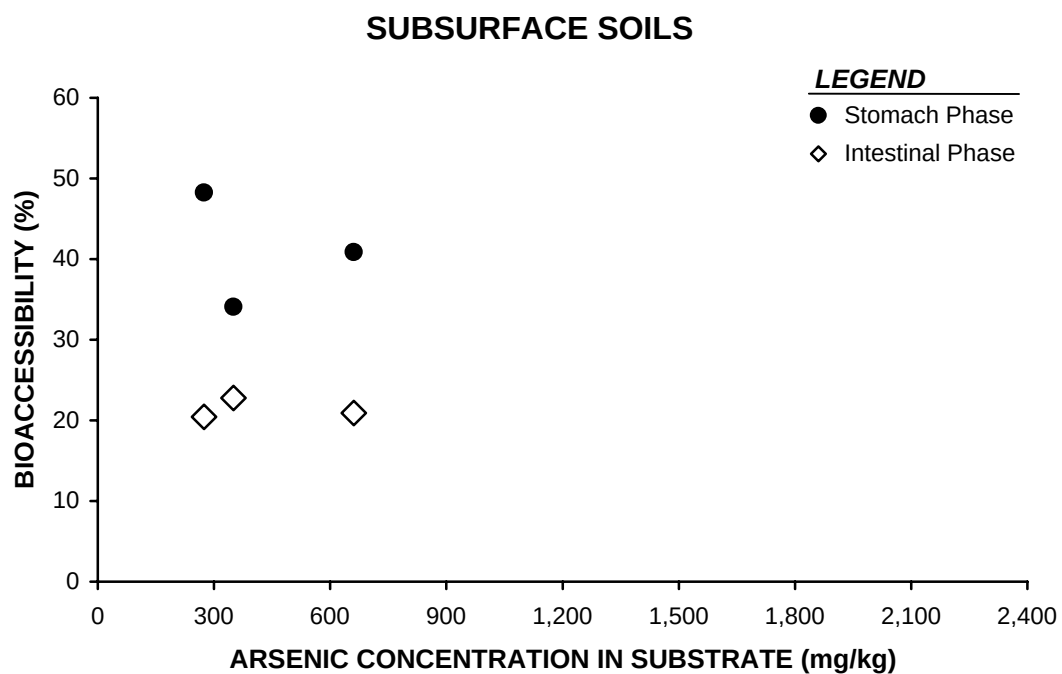
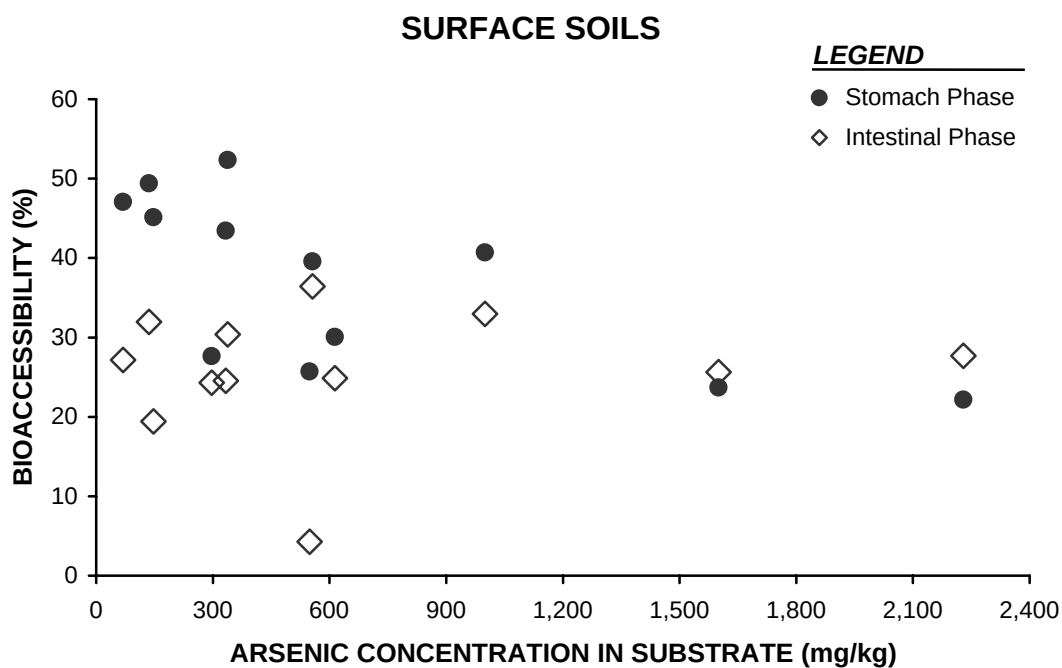


Figure 2. Substrate arsenic concentration and *in vitro* bioaccessibility of Middleport soil samples

Table 1. Middleport soil characterization

Analyte	Units	A1A3			A1A6			A1B3			
		10/2/03	10/6/04	10/6/04	10/2/03	10/6/04	10/6/04	10/2/03	4/1/04	10/6/04	10/6/04
		<250 µm	<2 mm	<250 µm	<250 µm	<2 mm	<250 µm	<250 µm	<150 µm	<2 mm	<250 µm
		S0001B	S0001A	S0001B	S0002B	S0002A	S0002B	S0003B	S0003C	S0003A	S0003B
Conventionals											
Carbon, Total Organic	%	--	--	8.68	--	--	4.56	--	--	--	3.13 ^a
Cation Exchange Capacity	mEq/100g	--	--	--	--	--	--	--	--	--	--
DCB Extractable Iron	mg/kg	--	--	--	--	--	--	--	8,960	--	--
pH	s.u.	--	--	6.40 ^a	--	--	6.00	--	--	--	5.44
Grain Size											
Gravel, Medium	%	--	0.01	--	--	0.0	--	--	--	0.0	--
Gravel, Fine	%	--	0.1	--	--	0.07	--	--	--	0.29	--
Sand, Very Coarse	%	--	31.8	--	--	12.5	--	--	--	11.4	--
Sand, Coarse	%	--	15.3	--	--	14	--	--	--	12.3	--
Sand, Medium	%	--	9.65	--	--	9.26	--	--	--	11.3	--
Sand, Fine	%	--	11.9	--	--	13.3	--	--	--	15.7	--
Sand, Very Fine	%	--	3.45	--	--	5.16	--	--	--	5.55	--
Clay	%	--	1.8	--	--	3.42	--	--	--	4.23	--
Silt	%	--	18.7	--	--	36.4	--	--	--	34.9	--
Metals											
Antimony	mg/kg	--	--	9.9 ^{U a}	--	--	10.0 ^U	--	--	--	9.9 ^U
Arsenic	mg/kg	565	574 ^a	586 ^a	274	298	307	2,160	1,640	2,440	2,530
Beryllium	mg/kg	--	--	1.0 ^{U a}	--	--	1.0 ^U	--	--	--	1.0 ^U
Cadmium	mg/kg	--	--	3.5 ^a	--	--	1.6	--	--	--	11.1
Chromium	mg/kg	--	--	17.3 ^a	--	--	16.0	--	--	--	13.3
Copper	mg/kg	--	--	48.3 ^a	--	--	35.8	--	--	--	58.8
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	186 ^a	--	--	137	--	--	--	341
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	0.48	--	--	0.54	--	--	--	1.21 ^a
Nickel	mg/kg	--	--	17.8 ^a	--	--	13.1	--	--	--	11.0
Selenium	mg/kg	--	--	1.7 ^a	--	--	1.0 ^U	--	--	--	1.5
Silver	mg/kg	--	--	2.0 ^{U a}	--	--	2.0 ^U	--	--	--	2.0 ^U
Thallium	mg/kg	--	--	1.0 ^{U a}	--	--	1.0 ^U	--	--	--	1.0 ^U
Zinc	mg/kg	--	--	158 ^a	--	--	162	--	--	--	130
Triplicate Arsenic Analysis											
A	mg/kg	--	--	--	--	--	--	--	--	--	--
B	mg/kg	--	--	--	--	--	--	--	--	--	--
C	mg/kg	--	--	--	--	--	--	--	--	--	--

Table 1. (cont.)

Analyte	Units	A1B6			A1B20				A1B21	
		10/2/03	10/6/04	10/6/04	10/2/03	4/1/04	10/6/04	10/6/04	10/2/03	10/2/03
		<250 µm	<2 mm	<250 µm	<250 µm	<150 µm	<2 mm	<250 µm	<2 mm	<250 µm
		S0004B	S0004A	S0004B	S0005B	S0005C	S0005A	S0005B	S0006A	S0006B
Conventionals										
Carbon, Total Organic	%	--	--	5.02	--	--	--	6.43	--	--
Cation Exchange Capacity	mEq/100g	--	--	--	--	--	--	--	--	--
DCB Extractable Iron	mg/kg	--	--	--	--	--	--	--	--	--
pH	s.u.	--	--	5.64	--	--	--	5.95	--	--
Grain Size										
Gravel, Medium	%	--	0.0	--	--	--	0.0	--	0.03	--
Gravel, Fine	%	--	0.07	--	--	--	0.03	--	0.59	--
Sand, Very Coarse	%	--	8.68	--	--	--	19.9	--	23.6	--
Sand, Coarse	%	--	15.1	--	--	--	17	--	23.9	--
Sand, Medium	%	--	11.7	--	--	--	12.3	--	15.1	--
Sand, Fine	%	--	17.7	--	--	--	15.7	--	18.1	--
Sand, Very Fine	%	--	6.78	--	--	--	5.57	--	3.95	--
Clay	%	--	2.87	--	--	--	1.66	--	1.86	--
Silt	%	--	34	--	--	--	21.5	--	14.9	--
Metals										
Antimony	mg/kg	--	--	10.0 <i>U</i>	--	--	--	9.9 <i>U</i>	--	--
Arsenic	mg/kg	584	646	603	991	759	1,090	846	--	1,580
Beryllium	mg/kg	--	--	1.0 <i>U</i>	--	--	--	1.0 <i>U</i>	--	--
Cadmium	mg/kg	--	--	3.5	--	--	--	7.3	--	--
Chromium	mg/kg	--	--	15.8	--	--	--	25.3	--	--
Copper	mg/kg	--	--	67.0	--	--	--	198	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	277	--	--	--	625	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	0.78	--	--	--	2.79	--	--
Nickel	mg/kg	--	--	13.1	--	--	--	19.3	--	--
Selenium	mg/kg	--	--	1.0 <i>U</i>	--	--	--	2.8	--	--
Silver	mg/kg	--	--	2.0 <i>U</i>	--	--	--	2.0 <i>U</i>	--	--
Thallium	mg/kg	--	--	1.0 <i>U</i>	--	--	--	1.0 <i>U</i>	--	--
Zinc	mg/kg	--	--	181	--	--	--	562	--	--
Triplicate Arsenic Analysis										
A	mg/kg	--	--	--	--	--	--	--	--	--
B	mg/kg	--	--	--	--	--	--	--	--	--
C	mg/kg	--	--	--	--	--	--	--	--	--

Table 1. (cont.)

Analyte	Units	A1B21 (cont.)				S13		T5E3	
		10/30/03		10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04
		<150 µm	<150 µm	<2 mm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm
		S0006C ^a	S0006C	S0006A	S0006B	S0007A	S0007B	S0008A	S0008B
Conventionals									
Carbon, Total Organic	%	4.77	4.25	--	5.08	--	6.16	--	5.72
Cation Exchange Capacity	mEq/100g	--	81.0	--	--	--	--	--	--
DCB Extractable Iron	mg/kg	--	9,720	--	--	--	--	--	--
pH	s.u.	5.34	5.61	--	5.24	--	7.31	--	7.18
Grain Size									
Gravel, Medium	%	--	--	0.0	--	0.0	--	0.0	--
Gravel, Fine	%	--	--	0.03	--	0.03	--	0.28	--
Sand, Very Coarse	%	--	--	22.8	--	19.2	--	8.82	--
Sand, Coarse	%	--	--	18.1	--	16.3	--	15.7	--
Sand, Medium	%	--	--	11.8	--	16.2	--	14.8	--
Sand, Fine	%	--	--	13.7	--	21.3	--	18.6	--
Sand, Very Fine	%	--	--	4.02	--	5.6	--	6.42	--
Clay	%	--	--	2.02	--	0.89	--	3.08	--
Silt	%	--	--	15.8	--	18.2	--	29.7	--
Metals									
Antimony	mg/kg	--	10 <i>U</i>	--	15.7	--	9.8 <i>U</i>	--	10.0 <i>U</i>
Arsenic	mg/kg	1,610	1,400	1,500	1,750	160	120	394	309
Beryllium	mg/kg	--	1 <i>U</i>	--	1.0 <i>U</i>	--	1.0 <i>U</i>	--	1.0 <i>U</i>
Cadmium	mg/kg	--	1.7	--	8.4	--	2.4	--	2.5
Chromium	mg/kg	17.3	16.2	--	19.0	--	18.3	--	16.1
Copper	mg/kg	60.1	62.3	--	61.6	--	112	--	48.8
Iron	mg/kg	16,950	15,050	--	--	--	--	--	--
Lead	mg/kg	374	399	--	416	--	657	--	145
Manganese	mg/kg	661	645	--	--	--	--	--	--
Mercury	mg/kg	--	0.44	--	2.11	--	0.21	--	0.19
Nickel	mg/kg	--	13.7	--	12.9	--	14.6	--	15.7
Selenium	mg/kg	--	1.9	--	2.2	--	1.0 <i>U</i>	--	1.0 <i>U</i>
Silver	mg/kg	--	2 <i>U</i>	--	2.0 <i>U</i>	--	2.0 <i>U</i>	--	2.0 <i>U</i>
Thallium	mg/kg	--	1 <i>U</i>	--	1.0 <i>U</i>	--	1.0 <i>U</i>	--	1.0 <i>U</i>
Zinc	mg/kg	--	244	--	254	--	453	--	251
Triplicate Arsenic Analysis									
A	mg/kg	--	1,350	--	--	--	--	--	--
B	mg/kg	--	1,360	--	--	--	--	--	--
C	mg/kg	--	1,360	--	--	--	--	--	--

Table 1. (cont.)

Analyte	Units	S11		T2E1		T12E1		T13E4		T15E4	
		10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04
		<2 mm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm
S0009A	S0009B	S0010A	S0010B	S0011A	S0011B	S0012A	S0012B	S0013A	S0013B		
Conventionals											
Carbon, Total Organic	%	--	2.60	--	3.68	--	4.28	--	5.49	--	6.77
Cation Exchange Capacity	mEq/100g	--	--	--	--	--	--	--	--	--	--
DCB Extractable Iron	mg/kg	--	--	--	--	--	--	--	--	--	--
pH	s.u.	--	7.48	--	7.59	--	7.31	--	7.41	--	7.30
Grain Size											
Gravel, Medium	%	0.0	--	0.0	--	0.0	--	0.0	--	0.0	--
Gravel, Fine	%	0.05	--	0.05	--	0.25	--	0.11	--	1.76	--
Sand, Very Coarse	%	11.5	--	11.8	--	6.99	--	4.63	--	43.5	--
Sand, Coarse	%	15.1	--	7.34	--	14.7	--	14.9	--	15.5	--
Sand, Medium	%	19.6	--	7.79	--	19.4	--	15.8	--	8.9	--
Sand, Fine	%	21.9	--	12.7	--	28.1	--	26.3	--	9.14	--
Sand, Very Fine	%	5.12	--	5.24	--	7.63	--	8.91	--	3.22	--
Clay	%	3.2	--	5.22	--	0.95	--	1.44	--	1.28	--
Silt	%	21.9	--	49.1	--	19.3	--	24.7	--	14.3	--
Metals											
Antimony	mg/kg	--	10.0 U	--	10.0 U	--	10.0 U	--	9.9 U	--	9.8 U
Arsenic	mg/kg	364	305	20 U	14.5	200	123	73.2	58.8	503	489
Beryllium	mg/kg	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Cadmium	mg/kg	--	1.7	--	1.0 U	--	1.2	--	2.2	--	3.8
Chromium	mg/kg	--	13.8	--	22.0	--	14.3	--	15.4	--	21.1
Copper	mg/kg	--	58.5	--	36.8	--	33.7	--	36.0	--	47.4
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	135	--	175	--	89.1	--	94.9	--	121
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	0.16	--	0.28	--	0.15	--	0.12	--	0.26
Nickel	mg/kg	--	13.7	--	27.5	--	12.8	--	13.8	--	19.1
Selenium	mg/kg	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Silver	mg/kg	--	2.0 U	--	2.0 U	--	2.0 U	--	2.0 U	--	2.0 U
Thallium	mg/kg	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Zinc	mg/kg	--	196	--	165	--	222	--	264	--	390
Triplicate Arsenic Analysis											
A	mg/kg	--	--	--	--	--	--	--	--	--	--
B	mg/kg	--	--	--	--	--	--	--	--	--	--
C	mg/kg	--	--	--	--	--	--	--	--	--	--

Table 1. (cont.)

Analyte	Units	T13E4 (6–10 in.)			T2E1 (6–12 in.)		T5E3 (6–12 in.)		T16E2 (6–12 in.)	
		10/15/04	10/15/04	10/15/04	10/15/04	10/15/04	10/15/04	10/15/04	11/23/04	11/23/04
		<2 mm	<250 µm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm	<2 mm	<250 µm
		S0014A	S0018	S0014B	S0015A	S0015B	S0016A	S0016B	S0017A	S0017B
Conventionals										
Carbon, Total Organic	%	--	--	2.72	--	3.25	--	4.49	--	3.94
Cation Exchange Capacity	mEq/100g	--	--	--	--	--	--	--	--	--
DCB Extractable Iron	mg/kg	--	--	--	--	--	--	--	--	--
pH	s.u.	--	--	7.33	--	7.00	--	7.32	--	7.20
Grain Size										
Gravel, Medium	%	0.0	--	--	0.0	--	0.0	--	0.0	--
Gravel, Fine	%	0.0	--	--	0.10	--	0.0	--	0.0	--
Sand, Very Coarse	%	6.05	--	--	5.80	--	8.89	--	3.48	--
Sand, Coarse	%	12.0	--	--	11.0	--	13.9	--	9.93	--
Sand, Medium	%	15.0	--	--	10.0	--	15.8	--	10.6	--
Sand, Fine	%	26.1	--	--	17.4	--	24.6	--	22.8	--
Sand, Very Fine	%	8.02	--	--	7.65	--	6.90	--	8.79	--
Clay	%	3.97	--	--	2.71	--	2.92	--	5.24	--
Silt	%	28.0	--	--	43.6	--	24.4	--	35.9	--
Metals										
Antimony	mg/kg	--	--	10 U	--	10 U	--	10 U	--	10 U
Arsenic	mg/kg	364	357	342	22.7	7.1	732	661	271	274
Beryllium	mg/kg	--	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Cadmium	mg/kg	--	--	3.3	--	1.0 U	--	4.1	--	2.5
Chromium	mg/kg	--	--	22.4	--	15.5	--	18.4	--	31.0
Copper	mg/kg	--	--	51.9	--	24.2	--	70.2	--	70.2
Iron	mg/kg	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	151	--	58.9	--	188	--	147
Manganese	mg/kg	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	0.34	--	0.07	--	0.23	--	0.36
Nickel	mg/kg	--	--	20.7	--	13.3	--	17.2	--	23.2
Selenium	mg/kg	--	--	1.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Silver	mg/kg	--	--	2.0 U	--	2.0 U	--	2.0 U	--	2.0 U
Thallium	mg/kg	--	--	2.0 U	--	1.0 U	--	1.0 U	--	1.0 U
Zinc	mg/kg	--	--	290	--	76.2	--	307	--	527
Triplicate Arsenic Analysis										
A	mg/kg	--	--	--	--	--	--	--	--	--
B	mg/kg	--	--	--	--	--	--	--	--	--
C	mg/kg	--	--	--	--	--	--	--	--	--

(notes on following page)

Table 1. (cont.)

Note: -- -- Not available or not applicable
U -- Undetected; value represents reporting limit

^a Average of duplicate results.

Table 2. Results from *in vitro* bioaccessibility testing of arsenic in Middleport soil samples (<250 µm fraction)

Soil Sample ID	Arsenic Conc. in Substrate (mg/kg)	Mass of Soil Tested (g)	Mass of Arsenic in Soil Extracted (mg)	Extraction Date	Phase	Final pH (s.u.)	Arsenic Conc. in Extract (mg/L)	Volume of Extract (L)	Mass of Arsenic in Extract (mg)	Arsenic Bioaccessibility (%)
Surface Soils										
T5E3	339 ^a	1.0005 ^a	0.3387	9/16/04	stomach	1.79 ^a	1.77 ^a	0.100	0.177	52
						7.01 ^a	1.08 ^a	0.095	0.103	30
T12E1	147	1.0009	0.1471	9/16/04	stomach	1.77	0.66	0.100	0.066	45
						7.07	0.30	0.095	0.029	19
T2E1	20 <i>U</i>	1.0001	NC	9/16/04	stomach	1.77	0.06	0.100	0.006	NC
						7.15	0.04	0.095	0.004	NC
S13	136	1.0029	0.1364	9/16/04	stomach	1.78	0.67	0.100	0.067	49
						7.01	0.46	0.095	0.044	32
S11	334 ^b	1.0009	0.3338	9/16/04	stomach	1.76	1.45	0.100	0.145	43
						7.15	0.86	0.095	0.082	25
A1B21	1,600 ^a	1.0037 ^a	1.6060	9/17/04	stomach	1.53 ^a	3.80 ^a	0.100	0.380	24
						6.83 ^a	4.33 ^a	0.095	0.411	26
T13E4	68.9	1.0049	0.0692	9/17/04	stomach	1.76	0.33	0.100	0.033	47
						7.06	0.20	0.095	0.019	27
T15E4	549	1.0068	0.5527	9/17/04	stomach	1.79	1.42	0.100	0.142	26
						6.84	0.25	0.095	0.024	4
A1B3	2,230	1.0045	2.2400	9/17/04	stomach	1.53	4.96	0.100	0.496	22
						6.64	6.53	0.095	0.620	28
A1B20	1,000	1.0002	1.0002	9/17/04	stomach	1.57	4.07	0.100	0.407	41
						6.87	3.47	0.095	0.330	33
A1A3	556 ^b	0.9996	0.5558	9/17/04	stomach	1.55	2.20	0.100	0.220	40
						6.84	2.13 ^a	0.095	0.202	36
A1A6	297	1.0050	0.2985	9/17/04	stomach	1.54	0.83 ^a	0.100	0.083	28
						6.87	0.76	0.095	0.072	24
A1B6	614 ^b	1.0022	0.6154	9/17/04	stomach	1.53	1.85	0.100	0.185	30
						6.98	1.61	0.095	0.153	25

Table 2. (cont.)

Soil Sample ID	Arsenic Conc. in Substrate (mg/kg)	Mass of Soil Tested (g)	Mass of Arsenic in Soil Extracted (mg)	Extraction Date	Phase	Final pH (s.u.)	Arsenic Conc. in Extract (mg/L)	Volume of Extract (L)	Mass of Arsenic in Extract (mg)	Arsenic Bioaccessibility (%)
Subsurface Soils										
T13E4 (6–10 in.)	350 ^b	1.0514	0.3680	12/20/04	stomach intestinal	1.54 6.83	1.26 ^b 0.88 ^b	0.100 0.095	0.126 0.084	34 23
T2E1 (6–12 in.)	20 <i>U</i>	1.0328	NC	12/20/04	stomach intestinal	1.47 6.99	0.04 0.06	0.100 0.095	0.004 0.005	NC NC
T5E3 (6–12 in.)	661	1.0175	0.6726	12/20/04	stomach intestinal	1.50 7.05	2.75 1.48	0.100 0.095	0.275 0.141	41 21
T16E2 (6–12 in.)	274	1.0133	0.2776	12/20/04	stomach intestinal	1.48 6.84	1.34 0.60	0.100 0.095	0.134 0.057	48 20

Note: *U* - not detected; value represents detection limit

NC - Not calculated due to the non-detect soil concentration

^a Average of triplicate results.

^b Average of duplicate results.

Table 3. QA sample results for *in vitro* bioaccessibility testing of arsenic in Middleport soils (<250 µm fraction)

Sample ID	Final pH		Arsenic Conc. in Substrate (mg/kg)	Relative Percent Deviation (%)	Relative Standard Deviation (%)	Arsenic Spike Conc. (mg/L)	Arsenic Concentration in Extract		Percent Recovery		Relative Standard Deviation		Control Limits
	Stomach Phase	Intestinal Phase					Stomach Phase	Intestinal Phase	Stomach Phase	Intestinal Phase	Stomach Phase	Intestinal Phase	
	(s.u.)	(s.u.)					(mg/L)	(mg/L)	(%)	(%)	(%)	(%)	
Soil Duplicates													
S11	--	--	338	--	--	--	--	--	--	--	--	--	0–20%
S11 (A)	--	--	329	2.7	--	--	--	--	--	--	--	--	
A1A3	--	--	557	--	--	--	--	--	--	--	--	--	
A1A3 (A)	--	--	555	0.4	--	--	--	--	--	--	--	--	0–20%
A1B6	--	--	623	--	--	--	--	--	--	--	--	--	0–20%
A1B6 (A)	--	--	605	2.9	--	--	--	--	--	--	--	--	
T13E4 (6–10 in.)	--	--	342 ^a	--	--	--	--	--	--	--	--	--	
T13E4 (6–10 in.) (A)	--	--	357	4.3	--	--	--	--	--	--	--	--	0–20%
Soil Triplicates													
T5E3	--	--	338 ^a	--	--	--	--	--	--	--	--	--	0–20%
T5E3 (A)	--	--	339	--	--	--	--	--	--	--	--	--	
T5E3 (B)	--	--	339	--	0.3	--	--	--	--	--	--	--	
A1B21	--	--	1,600	--	--	--	--	--	--	--	--	--	0–20%
A1B21 (A)	--	--	1,590	--	--	--	--	--	--	--	--	--	
A1B21 (B)	--	--	1,610	--	0.6	--	--	--	--	--	--	--	
Duplicate Extractions													
T13E4 (6–10 in.)	1.56	6.85	--	--	--	--	1.26 ^a	0.935 ^a	--	--	--	--	0–20%
T13E4 (6–10 in.) (A)	1.52	6.80	--	--	--	--	1.25	0.831	--	--	0.6	8.3	
Triplicate Extractions													
T5E3	1.83	7.10	--	--	--	--	1.76 ^a	1.16 ^a	--	--	--	--	0–20%
T5E3 (A)	1.79	7.02	--	--	--	--	1.74	1.05	--	--	--	--	
T5E3 (B)	1.76	6.92	--	--	--	--	1.82	1.04	--	--	2.3	6.1	
A1B21	1.51	6.95	--	--	--	--	3.91 ^a	4.09	--	--	--	--	0–20%
A1B21 (A)	1.55	6.78	--	--	--	--	3.74	4.77	--	--	--	--	
A1B21 (B)	1.52	6.75	--	--	--	--	3.76	4.13	--	--	2.4	8.8	
QC Samples (Sept. 16–17, 2004)													
Reagent Blank	--	--	--	--	--	--	0.01 <i>U</i>	0.01 <i>U</i>	--	--	--	--	<0.005 mg/L
Method Blank	--	--	--	--	--	--	0.01 <i>U</i>	0.01 <i>U</i>	--	--	--	--	<0.01 mg/L
Matrix Spike	--	--	--	--	--	1.00	0.955	0.895	96	90	--	--	85–115% ^b
SRM NIST 2711	--	--	--	--	--	--	0.529	0.399	--	--	--	--	0.5–0.68 mg/L ^b

Table 3. (cont.)

Sample ID	Final pH		Arsenic Conc. in Substrate (mg/kg)	Relative Percent Deviation (%)	Relative Standard Deviation (%)	Arsenic Spike Conc. (mg/L)	Arsenic Concentration in Extract		Percent Recovery		Relative Standard Deviation		Control Limits
	Stomach	Intestinal					Stomach Phase (s.u.)	Intestinal Phase (s.u.)	Stomach Phase (%)	Intestinal Phase (%)	Stomach Phase (%)	Intestinal Phase (%)	
	Phase	Phase											
	Phase	Phase											
QC Samples (December 20, 2005)													
Reagent Blank	--	--	--	--	--	--	0.005 <i>U</i>	--	--	--	--	--	<0.005 mg/L
Method Blank	--	--	--	--	--	--	0.005 <i>U</i>	0.005 <i>U</i>	--	--	--	--	<0.01 mg/L
Matrix Spike	--	--	--	--	--	1.00	1.020	0.886	102	89	--	--	85–115% ^b
SRM NIST 2711	--	--	--	--	--	--	0.525	0.413	--	--	--	--	0.5–0.68 mg/L ^b

Notes: -- - not available/not applicable

U - not detected; value represents detection limit

^a Average of analytical laboratory replicate results.

^b Control limit relevant for recovery in the stomach phase only.

Table 4. Arsenic mineralogy results for Middleport offsite surface and subsurface soils

Soil Sample ID: Sample No.:	Surface Soil Samples								
	T2E1 S010B			T13E4 S012B			S13 S007B		
	Frequency (%)	Arsenic Mass Distribution (%)	Average Particle Size ^a (μm)	Frequency (%)	Arsenic Mass Distribution (%)	Average Particle Size ^a (μm)	Frequency (%)	Arsenic Mass Distribution (%)	Average Particle Size ^a (μm)
Arsenic Form									
Iron-arsenic oxide (Fe-As oxide)	--	--	--	--	--	--	--	--	--
Lead arsenate (PbAsO ₄)	--	--	--	--	--	--	--	--	--
Calcium arsenate (CaAsO ₄)	--	--	--	--	--	--	--	--	--
Iron oxides (FeOOH)	85.3	84.3	16.8	100.0	100.0	43.8	79.9	99.0	28.0
Manganese oxides (MnOOH)	--	--	--	--	--	--	1.0	0.1	12.0
Phosphates	--	--	--	--	--	--	8.4	0.9	11.7
Iron sulfate (FeSO ₄)	14.7	15.7	26.0	--	--	--	--	--	--
Calcium-iron silicate (CaFeSiO ₂)	--	--	--	--	--	--	--	--	--
Lead metal oxide (PbMO)	--	--	--	--	--	--	--	--	--
No. particles counted			10			10			112
Arsenic concentration (mg/kg)			20 U			68.9			136

Table 4. (cont.)

Soil Sample ID: Sample No.:	Surface Soil Samples								
	T12E1 S011B			A1A6 S002B			S11 S009B		
	Frequency	Arsenic Mass Distribution	Average Particle Size ^a	Frequency	Arsenic Mass Distribution	Average Particle Size ^a	Frequency	Arsenic Mass Distribution	Average Particle Size ^a
Arsenic Form	(%)	(%)	(μm)	(%)	(%)	(μm)	(%)	(%)	(μm)
Iron-arsenic oxide (Fe-As oxide)	--	--	--	1.5	18.5	5.0	0.7	9.9	5.0
Lead arsenate (PbAsO ₄)	--	--	--	--	--	--	--	--	--
Calcium arsenate (CaAsO ₄)	--	--	--	--	--	--	--	--	--
Iron oxides (FeOOH)	100.0	100.0	14.8	42.1	51.2	22.7	95.4	88.6	15.5
Manganese oxides (MnOOH)	--	--	--	55.2	28.7	21.7	2.9	1.0	11.0
Phosphates	--	--	--	--	--	--	--	--	--
Iron sulfate (FeSO ₄)	--	--	--	1.2	1.6	5.0	1.0	0.6	7.5
Calcium-iron silicate (CaFeSiO ₂)	--	--	--	--	--	--	--	--	--
Lead metal oxide (PbMO)	--	--	--	--	--	--	--	--	--
No. particles counted			100			107			101
Arsenic concentration (mg/kg)			147			297			334 ^b

Table 4. (cont.)

Soil Sample ID: Sample No.:	Surface Soil Samples								
	T5E3 S008B			T15E4 S013B			A1A3 S001B		
	Frequency	Arsenic Mass Distribution	Average Particle Size ^a	Frequency	Arsenic Mass Distribution	Average Particle Size ^a	Frequency	Arsenic Mass Distribution	Average Particle Size ^a
Arsenic Form	(%)	(%)	(μm)	(%)	(%)	(μm)	(%)	(%)	(μm)
Iron-arsenic oxide (Fe-As oxide)	--	--	--	--	--	--	4.2	34.5	12.8
Lead arsenate (PbAsO ₄)	--	--	--	--	--	--	--	--	--
Calcium arsenate (CaAsO ₄)	--	--	--	--	--	--	--	--	--
Iron oxides (FeOOH)	100.0	100.0	19.9	99.8	99.9	37.5	94.2	65.2	17.8
Manganese oxides (MnOOH)	--	--	--	0.2	0.1	8.0	1.2	0.4	22.0
Phosphates	--	--	--	--	--	--	--	--	--
Iron sulfate (FeSO ₄)	--	--	--	--	--	--	0.4	0.0	7.0
Calcium-iron silicate (CaFeSiO ₂)	--	--	--	--	--	--	--	--	--
Lead metal oxide (PbMO)	--	--	--	--	--	--	--	--	--
No. particles counted			88			104			105
Arsenic concentration (mg/kg)			339 ^c			549			556 ^b

Table 4. (cont.)

Soil Sample ID: Sample No.:	Surface Soil Samples											
	A1B6 S004B			A1B20 S005B			A1B21 S006B			A1B3 S003B		
	Arsenic Mass			Arsenic Mass			Arsenic Mass			Arsenic Mass		
	Frequency	Distribution	Average Particle Size ^a	Frequency	Distribution	Average Particle Size ^a	Frequency	Distribution	Average Particle Size ^a	Frequency	Distribution	Average Particle Size ^a
Arsenic Form	(%)	(%)	(μm)	(%)	(%)	(μm)	(%)	(%)	(μm)	(%)	(%)	(μm)
Iron-arsenic oxide (Fe-As oxide)	17.0	76.7	3.4	7.7	54.5	7.5	46.4	94.8	3.8	67.8	97.6	4.8
Lead arsenate (PbAsO_4)	0.2	1.1	2.0	0.9	8.1	3.7	--	--	--	--	--	--
Calcium arsenate (CaAsO_4)	--	--	--	0.4	1.7	12.0	--	--	--	--	--	--
Iron oxides (FeOOH)	68.1	20.9	22.8	69.7	32.1	33.4	38.3	4.4	19.6	16.2	1.8	36.8
Manganese oxides (MnOOH)	14.8	1.4	30.5	17.3	3.0	61.0	11.0	0.5	10.1	16.0	0.6	29.2
Phosphates	--	--	--	2.3	0.1	11.0	--	--	--	--	--	--
Iron sulfate (FeSO_4)	--	--	--	0.9	0.5	3.7	2.2	0.2	6.7	--	--	--
Calcium-iron silicate (CaFeSiO_2)	--	--	--	--	--	--	--	--	--	--	--	--
Lead metal oxide (PbMO)	--	--	--	--	--	--	--	--	--	--	--	--
No. particles counted			106			118			146			137
Arsenic concentration (mg/kg)			614 ^b			1,000			1,600 ^c			2,230

Table 4. (cont.)

Soil Sample ID: Sample No.:	Subsurface Soil Samples											
	T13E4 (6–10 in.) S0014B			T2E1 (6–12 in.) S0015B			T5E3 (6–12 in.) S0016B			T16E2 S0017B		
	Arsenic Mass		Average Particle Size ^a	Arsenic Mass		Average Particle Size ^a	Arsenic Mass		Average Particle Size ^a	Arsenic Mass		Average Particle Size ^a
	Frequency (%)	Distribution (%)	(μm)	Frequency (%)	Distribution (%)	(μm)	Frequency (%)	Distribution (%)	(μm)	Frequency (%)	Distribution (%)	(μm)
Arsenic Form												
Iron-arsenic oxide (Fe-As oxide)	--	--	--	--	--	--	5.7	58.6	9.5	--	--	--
Lead arsenate (PbAsO_4)	--	--	--	--	--	--	--	--	--	--	--	--
Calcium arsenate (CaAsO_4)	--	--	--	--	--	--	--	--	--	--	--	--
Iron oxides (FeOOH)	89.5	90.0	22.8	100	100	13.8	72.3	23.5	22.9	99.5	99.6	49.5
Manganese oxides (MnOOH)	10.1	9.8	20.3	--	--	--	8.2	2.6	32.0	0.4	0.4	18.0
Phosphates	--	--	--	--	--	--	--	--	--	0.09	0.04	4.0
Iron sulfate (FeSO_4)	0.3	0.2	4.0	--	--	--	--	--	--	--	--	--
Calcium-iron silicate (CaFeSiO_2)	--	--	--	--	--	--	8.6	14.6	50.3	--	--	--
Lead metal oxide (PbMO)	--	--	--	--	--	--	3.9	0.5	45.5	--	--	--
No. particles counted			108			8			101			90
Arsenic concentration (mg/kg)			350 ^b			20 <i>U</i>			661			274

Note: -- -- not present or not relevant

U -- not detected; value represents detection limit

Forms contributing less than 0.5% of arsenic mass in any sample are not shown.

^a Based on long-axis dimensions.

^b Average of duplicate results.

^c Average of triplicate results.



Extraction Tests for Determining the Bioavailability of Metals in Soil

Cleanup
CU-1165

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Background:

Environmentally acceptable endpoints (EAEs) for soil most commonly are defined as concentrations of chemicals that are judged acceptable by a regulatory agency, and are derived from standard guidelines. Standard practice in determining EAEs is to assume that the absorption of chemicals from soil is the same as that from a soluble solution of a given test chemical. Considerable research conducted in recent years indicates that site-specific factors can affect chemical solubility from soil, and thereby affect absorption by a biological system (i.e., human or ecological receptors).

Objective:

The research conducted under this project was designed to yield a database that establishes whether site- or soil-specific factors affect the bioavailability of target metals from soils. Where the database (from *in vivo* research) identifies that these types of factors are operating, an additional goal of the research has been to develop simple extraction tests that are inexpensive to perform and that are predictive of metals bioavailability from soil. These tools can then be available to U.S. Department of Defense (DoD) personnel for site-specific evaluation of metals bioavailability from soil at field sites and will result in more accurate exposure and risk estimates that are still protective of human health and the environment.

Summary of Findings:

Metals that Drive Remedial Decisions at DoD Sites

Based on this research, lead was the most frequent soil contaminant associated with DoD sites that exceeded screening criteria, for both human health and ecological scenarios. Other metals that have been determined to be of concern for human health include arsenic, chromium, cadmium, and antimony. The most frequent metals of concern based on the ecological screening criteria were lead, zinc, mercury, chromium, and selenium for birds, and arsenic for mammals.

Relative Oral Bioavailability of Arsenic — Human Receptors

A research model using cynomolgus monkeys was used to assess the relative bioavailability (RBA) of arsenic from soils. The mean RBA values for the 10 soil samples studied varied from 5% to 31%, indicating that absorption of arsenic from soil is controlled by soil- or site-specific factors. The presence of arsenic in insoluble mineralogic forms is likely a factor in controlling the RBA. Table 1 provides a summary of the RBA estimates for the soils studied, together with information regarding the sample mineralogy.

Table 1. Relative oral bioavailability of arsenic from 10 soil samples

Soil Sample	RBA ^a
MTSS	0.13 ± 0.05 (36)
WISS	0.13 ± 0.07 (52)
FLCDV	0.31 ± 0.04 (14)
CAMT	0.19 ± 0.02 (11)
WAOS	0.24 ± 0.09 (36)
NYOS	0.16 ± 0.08 (49)
COSCS	0.23 ± 0.13 (54)
CORS	0.17 ± 0.08 (49)
COSS	0.05 ± 0.04 (81)
FLCPS	0.08 ± 0.04 (50)

^a Results expressed as mean ± SD (N=5); COV in parentheses. The RBA was calculated by dividing the percent of dose excreted in urine by the average percent of dose excreted in urine after administration of sodium arsenate in water by gavage for each animal.

Relative Oral Bioavailability of Cadmium — Human Receptors

A juvenile swine model was used to assess the relative oral bioavailability of cadmium in soil from four sites with varying soil characteristics. Results indicate that soil-specific factors control the relative bioavailability of cadmium, and that the solubility of the predominant cadmium phases may be a more significant factor in controlling relative bioavailability than is particle size.

Percutaneous Absorption of Arsenic from Soils — Human Receptors

Female Rhesus monkeys were selected for the research on percutaneous absorption of arsenic because of their ability to duplicate the biodynamics of percutaneous absorption in humans, and because previous studies of percutaneous arsenic absorption have used this same model. For the soluble dose, calculated absorption rates averaged 2.9% for the group. These results are consistent with earlier research that utilized a radioactive marker, and indicated that the research model was effective at detecting dermally absorbed arsenic without radiolabel. Converse to the results for soluble arsenic, data from dermal application of arsenic in soils indicate virtually no absorption, regardless of hydration level. Figure 1 demonstrates the results of the testing of percutaneous absorption of arsenic from soil in comparison to absorption of arsenic when administered as a soluble solution of sodium arsenate.

Relative Oral Bioavailability of Metals — Ecological Receptors

The research conducted under the SERDP project involved the development of a novel animal model for assessing the relative bioavailability of metals from soil using the least shrew. Results indicate that the relative bioavailability of arsenic, cadmium, and lead ranged from 7% to 49%, 13% to 81%, and 21% to 60%, respectively. Cr(III) was not absorbed from soil, even at very high doses, and Cr(VI) was absorbed to a slight extent from a soil that was spiked with a high concentration of Cr(VI). Based on the study results, it is clear that arsenic, cadmium, and lead

are absorbed to varying extents from different soils in this shrew model, and that site-specific (or soil-specific) factors affect the relative absorption of the metals.

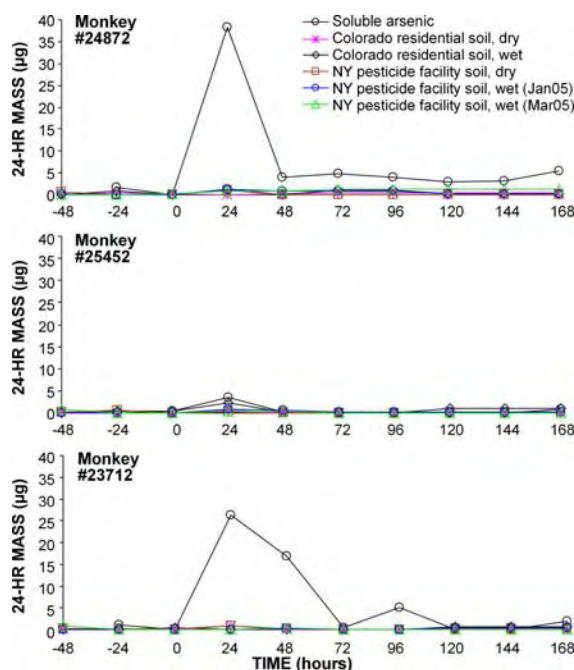


Figure 1. Dermal absorption of arsenic from solution or soils using the Rhesus monkey research model

***In Vitro* Research**

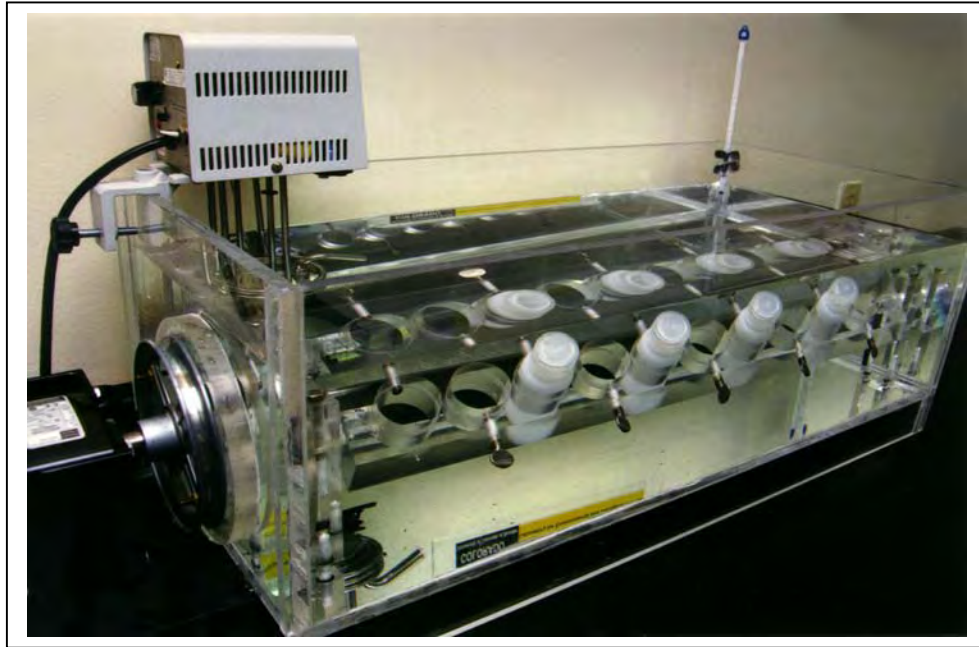
In order to evaluate the potential for development of an *in vitro* method for each receptor/pathway combination investigated in the *in vivo* research component of this project, soils were tested *in vitro* under a variety of conditions, and the results were evaluated for correlation to the *in vivo* results. The *in vivo* database for oral absorption of arsenic provided a robust database for assessing an *in vitro* approach for evaluating relative bioavailability of arsenic from soil, and indicated that existing *in vitro* methods likely overestimate RBA for many soil types, as predicted by the cynomolgus monkey. A better correlation was achieved by changing the extraction system, and the revised system can be used to assess soils on a site-specific basis. For dermal exposure to arsenic, the *in vivo* research indicates poor absorption of arsenic from soils, thus negating the need for an *in vitro* method for this route of exposure. For cadmium, *in vitro* methods were developed that were highly predictive of relative oral bioavailability measured in the swine. Similarly, highly specific extraction methods are required for assessing the RBA of metals in soils to ecological receptors.

Benefit:

This research has established that there are soil- and site-specific factors that affect the bioavailability of metals from soils, for both human and ecological receptors. Addressing these issues in the site evaluation or risk assessment process will allow DoD personnel to produce more accurate exposure and risk estimates, which may diverge from what would be calculated using default assumptions, yet are still protective of human health and the environment. The *in vitro* methods developed as part of this research provide a useful tool for assessing possible RBA on a site-specific basis, in a manner that is not cost prohibitive.

Transition:

The methods developed during this research are available for application. Research will continue, with a primary goal of gaining approval of these methods from regulatory agencies. Progress will be reported in the open literature.



In vitro extraction apparatus used to conduct
bioaccessibility testing of soils

Relative Oral Bioavailability of Arsenic from Contaminated Soils Measured in the Cynomolgus Monkey

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Received July 6, 2006; accepted September 18, 2006

A number of studies have found that gastrointestinal absorption of arsenic from soil is limited, indicating that a relative oral bioavailability (RBA) adjustment is warranted when calculating risks from exposure to arsenic-contaminated soil. However, few studies of arsenic bioavailability from soil have been conducted in animal models with phylogenetic similarity to humans, such as nonhuman primates. We report here the results of a study in which the RBA of arsenic in soil from a variety of types of contaminated sites was measured in male cynomolgus monkeys. A single oral dose of each contaminated soil was administered to five adult male cynomolgus monkeys by gavage, and the extent of oral absorption was evaluated through measurement of arsenic recovery in urine and feces. Urinary recovery of arsenic following doses of contaminated soil was compared with urinary recovery following oral administration of sodium arsenate in water in order to determine the RBA of each soil. RBA of arsenic in 14 soil samples from 12 different sites ranged from 0.05 to 0.31 (5–31%), with most RBA values in the 0.1–0.2 (10–20%) range. The RBA values were found to be inversely related to the amount of arsenic present with iron sulfate. No other significant correlations were observed between RBA and arsenic mineralogic phases in the test soils. The lack of clear relationships between arsenic mineralogy and RBA measured *in vivo* suggests that gastrointestinal absorption of arsenic from soil may be more complex than originally thought, and subject to factors other than simple dissolution behavior.

Key Words: arsenic; oral bioavailability; contaminated soil; nonhuman primates.

The use of arsenic as an herbicide and an insecticide, as well as its occurrence naturally in mineral deposits subject to mining, has led to the creation of numerous arsenic-contaminated sites in the United States. When assessing potential risks from arsenic contamination in soil, contemporary models and assumptions generally regard incidental soil ingestion as the dominant route of exposure. The process of estimating arsenic doses resulting from incidental soil ingestion requires an assumption

on the extent to which arsenic in soil is absorbed from the gastrointestinal tract. The default assumption typically used in risk assessments is that the extent of gastrointestinal absorption of arsenic from soil is equivalent to its absorption under the conditions in which the toxicity value was derived (NRC, 2003), which in the case of arsenic is from water. Absorption from water is the relevant comparison for arsenic because the cancer slope factor used to estimate excess cancer risks was developed from studies of individuals exposed to arsenic in drinking water. Assuming equivalent absorption is the same as stating that the relative oral bioavailability (RBA) of arsenic from soil (compared to water) is 1.0, or 100%.

A variety of animal models have been used to assess arsenic bioavailability from soil, including rats and rabbits (e.g., Freeman *et al.*, 1993, Ng *et al.*, 1998). However, the principal animal models used to measure arsenic bioavailability from soils are swine and monkeys. The swine model has been used in studies of soils at a variety of contaminated sites in the western United States, principally in mining areas (Casteel *et al.*, 1997, 2001; Lorenzana *et al.*, 1996). The monkey model has been used to measure arsenic bioavailability in soils from a variety of types of sites, including soils from a mining area, electrical substation, cattle dip vat site, a wood treatment site, and pesticide sites (Freeman *et al.*, 1995; Roberts *et al.*, 2002). In general, RBA values for arsenic in soils range from 0 to about 50% in these two models (Roberts *et al.*, 2002; Ruby *et al.*, 1999).

Although the principle of reduced bioavailability of arsenic from soils is well established, understanding of the factors that dictate bioavailability is limited. One of the obstacles in conducting research on factors influencing arsenic bioavailability is the limited number of soil samples available for which bioavailability has been measured. Many of the soil samples for which bioavailability data have been published are no longer available or are inaccessible for research for other reasons. Consequently, there is a need for characterization of additional soils in terms of arsenic bioavailability, not only to support additional research on this topic but also to better define the range of arsenic bioavailabilities that may exist in contaminated soils. For this project, arsenic RBA values for 14 soil samples obtained from 12 different contaminated sites were measured in

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cynomolgus monkeys, expanding considerably the range of sites from which arsenic bioavailability has been measured. Correlations between the RBA of arsenic in soil and soil mineralogy were obtained to provide a preliminary evaluation of potential soil characteristics influencing bioavailability.

MATERIALS AND METHODS

Animals and animal care. Seven young adult male cynomolgus (*Macacus cynomolgus*) monkeys, 4–5 kg bw, were purchased from Primate Products, Inc (Miami, FL). Between experiments, the monkeys were housed individually in metal cages in a climate-controlled room with a population of other monkeys. During these periods, the animals were fed standard monkey chow. The animals were observed daily for normal appearance and behavior, and comprehensive health assessments by a veterinarian were completed every 6 months. During the experimental period, the animals were transferred to nonmetal metabolic cages in another environmentally controlled room. While in the metabolic cages, the monkeys were fed a low-arsenic pelleted diet (Bio-Serv, Frenchtown, NJ). This diet consisted of (g/kg basis): cornstarch, 361 g; casein, 266 g; dextrin, 155 g; oils (corn, olive, and safflower) 96 g; fiber, 52 g; mineral mix, 40 g; vitamin mix, 20 g; DL-methionine, 1.2 g; L-cystine, 2.0 g; choline chloride, 2 g; and banana flavor, 4.0 g. All procedures involving the animals were approved by the Institutional Animal Care and Use Committee.

Drugs and chemicals. Sodium arsenate heptahydrate was purchased from Sigma Chemical Co. (St Louis, MO). Atropine for injection (Fujisawa USA, Deerfield, IL) and ketamine (Elkins Simm, Inc, Cherry Hill, NJ) were purchased from Webster Veterinary Supply (Alachua, FL).

Soil samples. Soil samples were obtained from selected arsenic-contaminated sites. Samples were sought from sites that varied in arsenic contamination source (e.g., wood treatment, herbicide use, mining) and in geographic region. Only samples with arsenic concentration of at least 100 mg As/kg soil were accepted for study. Each soil sample was dried and sieved to 250 μ m. This was selected as the particle size fraction believed to adhere to skin and to result in incidental ingestion exposures (U.S. EPA, 2000). Use of this particle size fraction is also consistent with other research regarding the RBA of metals from soils (Casteel *et al.*, 2001; Ruby *et al.*, 2002; Schroder *et al.*, 2003), and existing and proposed guidance (Kelly *et al.*, 2002; U.S. EPA, 2004). The 250- μ m sieved soil was stored in sealed containers at room temperature until utilized. The total arsenic concentration in an aliquot of the 250- μ m sieved soil was measured using EPA Method 6010.

Animal dosing and sampling. At the beginning of each experiment, monkeys were fed a low-arsenic diet beginning 5 days prior to the arsenic dose. Three days after initiating the diet, the animals were sedated with ketamine (10 mg/kg bw, im) combined with atropine (0.01 mg/kg bw, im), a health assessment was performed, and the animals were weighed. (Note that atropine was administered to reduce intraoral secretions produced by ketamine. Although atropine can suppress gastrointestinal motility, its potential impact on measurement of arsenic absorption was considered negligible because it was administered 2 days before the arsenic dose.) The animals were then transferred to metal-free metabolic cages where urine was collected for baseline arsenic levels prior to dose. Each monkey was fasted overnight before dosing, but the low-arsenic diet was restored 4 h after the animal was dosed and continued while the animal remained in the metabolism cage.

Dosing was accomplished by transferring the animal with the use of a pole and collar arrangement to a chair designed to comfortably restrain the animal so that its hands could not contact its mouth. A gastric tube consisting of a 40 cm length of 3/16" ID $\times$ 1/4" OD Tygon tubing was placed, and a measured dose of sodium arsenate solution or soil was introduced into the stomach. Soil doses were administered as a slurry in metal-free, deionized water from a 60 ml irrigating syringe attached to the gastric tube. The mass of soil administered did not exceed 1 g per kg bw. Sodium arsenate was administered from a 1.0 mg

As/ml stock solution in deionized water, and the volume was adjusted to provide a dose no greater than 1.0 mg As/kg bw. The syringe and gastric tube were flushed twice with metal-free, deionized water to ensure complete transfer of the dose to the stomach. After dosing, the tube was removed, and the animal allowed to ingest a few drops of flavored Gatorade to overcome any unpleasant taste from the gastric intubation. The animal was then walked via pole and collar back to its metabolism cage. Urine and feces were subsequently collected for 4 days. After collection of urine and feces was complete, each animal was returned to its home cage for a period of at least 3 weeks before the next dosing period. This "wash out" period allowed urinary and fecal arsenic concentrations to return to baseline levels. Evaluation of predosing urine samples collected over the course of the study confirmed no carryover of arsenic from one dose to the next under these conditions. Typical baseline concentrations of arsenic in urine were about 6 μ g/l.

In one experiment, each animal was administered iv a single dose of sodium arsenate (1 mg As, as sodium arsenate, per kg bw in sterile saline). Animals were placed in a metal-free metabolism cage and fed a low-arsenic diet as detailed above. At the time of dosing, an iv line was placed in the leg via the saphenous vein. The arsenic dose was introduced through the iv line over a period of about 5 min. The animal was returned to the metabolism cage where urine and feces were collected as described for the gavage experiments.

Sample preparation. Urine samples were collected in 1-l polycarbonate bottles containing 10 ml of 65% nitric acid and then stored at room temperature until processing for analysis. For collection of urine, the metabolic cage was brushed and rinsed with 800 ml of deionized water. Preliminary studies were conducted in which monkeys were placed in the metabolism cage and arsenic-spiked blank urine was added beneath the animal. All conditions were the same as a standard experiment except no arsenic dose was administered. The cage-rinsing procedure was found to recover $87.2 \pm 2.3\%$ (mean $\pm$ SD, $n = 3$) of arsenic added to the cage. Feces samples were collected in tared 7 $\times$ 7 cm polypropylene cups (Nalge Co., Rochester, NY). Nitric acid (65%) was added at 30% of the feces weight, and the feces were homogenized. One gram of sample (urine or feces) was placed in a digestion vessel, and 5 ml of concentrated nitric acid was added. The sample was then heated on a digestion block for at least 2 h at 100°C. If the sample was still dark in color after 2 h, the sample was heated for an additional 30 min. One milliliter of 30% hydrogen peroxide was added, and the sample was heated for 30 min. The samples were clear and completely dissolved. The digested samples were then diluted to 100 ml with deionized water.

Quantification of arsenic in urine and feces. Baseline urine samples were analyzed by inductively coupled plasma-mass spectrometry by the Battelle Pacific Northwest Laboratory (Richland, WA). The limit of quantification for arsenic in urine was 0.3 μ g/l. Urine samples collected after the dose, and all fecal samples, were analyzed by inductively coupled plasma-atomic emission spectrometry by ABC Laboratories (Gainesville, FL). The limits of quantification for urine and feces using this method were 2.3 μ g/l and 0.5 μ g/g, respectively.

Calculation of bioavailability. RBA of arsenic from each test soil was measured in five individual animals using urinary excretion data. Each animal received, on separate occasions, three doses of sodium arsenate by gavage—0.25, 0.5, and 1.0 mg As/kg bw (as arsenic). Measurement of arsenic in urine over 2 days prior to the dose was used to establish the baseline arsenic excretion rate due to diet for each subject in each experiment. The baseline excretion rate (in μ g/day) was used to calculate the contribution of dietary arsenic to total excretion after a sodium arsenate or soil dose, and this was subtracted in order to obtain the amount excreted in urine attributable to the dose (U_{As}). The percent of arsenic dose recovered in urine ($U_{As,arsenate}/Dose_{As,arsenate}$) following each of the sodium arsenate doses was averaged for each animal. This average recovery, as a percent of dose, was used as the reference value for comparison with urinary recovery following administration of arsenic in soil.

The use of urinary recovery of arsenic as a means of comparing absorption of arsenic under different conditions (in this case, administered in water vs. soil) is valid only if the urinary excretion kinetics are identical or the urinary excretion of dose is substantially complete within the collection period.

In a previous study using *Cebus* monkeys (Roberts *et al.*, 2002), urinary excretion was evaluated during discrete intervals over a 4-day period after administration of sodium arsenate in water or arsenic-contaminated soil. Nearly half of the administered dose appeared in the urine within a few hours, and most of the recovered dose was collected in the first 24 h. An arsenic study in cynomolgus monkeys (Freeman *et al.*, 1995) similarly found peak excretion of arsenic within the first 24 h regardless of whether the arsenic was in water or soil. In view of these observations, a single 4-day collection of urine was considered adequate to provide comparable and essentially complete recovery of absorbed arsenic from both water and soil in this study.

For each soil sample, five animals were randomly selected, and a dose of the test soil was administered by gavage. An RBA was calculated for each subject by dividing the percent of arsenic dose in soil recovered in urine ($U_{As,soil}/Dose_{As,soil}$) by the sodium arsenate reference value for that animal. Thus, an RBA measurement was available for each of the five subjects for all the soil samples tested. Occasionally, the total arsenic recovery was less than 70% after a soil dose in a subject. When this occurred, the RBA value was flagged and the soil sample was re-administered. In all such instances, total recovery from the subsequent dose was greater than 70%, and the resultant RBA replaced the original, low-recovery value.

Soil mineralogy. Arsenic speciation on a subsample of all substrates dosed to the monkeys was evaluated by Dr John Drexler at the Laboratory for Environmental and Geological Studies at the University of Colorado, Boulder. Speciation was conducted as described previously (Davis *et al.*, 1993) using standard procedures (Drexler, 2006). The chemistry of individual arsenic-bearing grains in the sample was determined using an electron microprobe (JEOL 8600). Individual grains were evaluated until a representative number had been analyzed (generally 100–200), and the distribution of arsenic among the different arsenic forms in the soil was established.

Statistical analysis. The percentages of arsenic dose recovered in urine and feces after differing doses of sodium arsenate were compared by both parametric and nonparametric tests. A randomized complete block design ANOVA-based *F*-test was conducted, along with a test for linear trend in dose and checking the residuals for normality (Neter *et al.*, 1989). Data were also evaluated using a nonparametric, distribution-free test for ordered alternative in a randomized complete block design (Page, 1963).

Mineralogy data were evaluated to determine whether they were useful in predicting oral RBA as measured in the cynomolgus monkey. Both backward and forward stepwise analysis evaluated the best fitting model of each size, i.e., including one variable up to including all 10 variables, based on the smallest residual sum of squares. The 10 variables used in the analysis were iron oxides, number of particles counted, arsenic concentration, iron sulfate, lead arsenate, manganese oxides, arsenic (metals) oxide, iron arsenic oxides, lead (metal) oxide, and phosphate. Analysis of the stepwise models resulted in a final model that included only variables significant at a 0.05 level.

RESULTS

To provide perspective on the recovery of arsenic in urine and feces expected following systemic absorption, each monkey in the study population was administered a single iv dose of sodium arsenate (1.0 mg As/kg bw). Urine and feces were collected over a 4-day period following the dose. Among the seven animals, urinary recovery of arsenic ranged from approximately 80 to 90%, with the exception of one subject from which only 53% was recovered (Table 1). Recovery of dose from feces was uniformly low (0.6% or less). Because of the striking difference in urinary recovery of arsenic in one animal, the iv dose was repeated in this subject. The second experiment yielded almost identical results—urinary recovery of 59% and fecal recovery of 0.5%.

TABLE 1
Urinary and Fecal Recovery of Arsenic after an iv Dose

Subject	% dose in urine	% dose in feces	% total recovery
7490	83.8	0.6	84.4
7630	84.9	0.4	85.3
7773	90.1	0.5	90.6
7597	86.4	0.1	86.5
7516	53.4 ^a	0.3 ^a	53.7
7499	80.4	0.5	81.0
7515	78.9	0.1	79.0
Mean $\pm$ SD	80.5 $\pm$ 10.2	0.4 $\pm$ 0.2	80.9 $\pm$ 10.2

Note. Each animal received a single iv dose of sodium arsenate (1 mg As/kg bw). The results reflect cumulative excretion in urine and feces over 4 days, expressed as a percent of administered dose.

^aMonths later a second dose was administered iv to this subject. Recovery was 58.9% of the dose in urine and 0.5% of the dose in feces.

Each monkey also received, on separate occasions, three differing doses of sodium arsenate in water by gavage. The arsenic doses were 0.25, 0.50, and 1.0 mg As/kg bw, spanning the range of doses anticipated to occur during dosing of the soil samples. The percent of arsenic dose recovered in urine was substantially lower after gavage administration than after iv injection (Table 2), indicating incomplete oral absorption of arsenic from the oral dose in water. Excretion of arsenic in feces in gavage-treated animals was correspondingly higher, and the total arsenic recovery (urine and feces combined) was essentially equivalent for the oral and iv routes. Although there was a tendency for the percent of arsenic recovered in urine to increase with increasing dose (Table 2), the differences in recovery among doses and the trend were not statistically significant. Consequently, the urinary recovery was treated as being unrelated to dose, and the recoveries from the three doses for each animal were averaged. To preserve for analysis potential differences in bioavailability among different experiment subjects, separate recoveries from sodium arsenate were calculated for each animal.

TABLE 2
Urinary and Fecal Recovery of Arsenic after a Gavage Dose of Sodium Arsenate

	Sodium arsenate dose (as As)			
	0.25 mg As/kg bw	0.50 mg As/kg bw	1.0 mg As/kg bw	Mean $\pm$ SD
% dose in urine	35.6 $\pm$ 8.6	40.9 $\pm$ 6.0	45.3 $\pm$ 16.7	40.6 $\pm$ 10.1
% dose in feces	45.9 $\pm$ 12.3	40.0 $\pm$ 9.2	40.5 $\pm$ 8.9	42.1 $\pm$ 9.1
% total recovery	79.5 $\pm$ 5.1	80.9 $\pm$ 9.0	81.5 $\pm$ 6.2	80.7 $\pm$ 4.2

Note. Each animal ($n = 7$) received, on separate experimental days, single doses of 0.25, 0.50, and 1.0 mg As/kg bw by gavage. The results reflect cumulative excretion in urine and feces over 4 days after the dose. There was no significant difference in the % of dose recovered in urine from the three sodium arsenate doses, nor was there a significant trend.

TABLE 3
Soil Arsenic Mineralogy Data—Arsenic Mass Distribution (%)

	MTSS	WISS	FLCDV	CAMT	WAOS	NYOS	COSCS	CORS	COSS	FLCPS	NYPF1	NYPF2	NYPF3	HIVS
As bromide	—	—	—	—	—	—	35.8	—	—	—	—	—	—	—
Arsenopyrite	—	—	—	70.4	—	—	—	—	—	—	—	—	—	—
Arsenic oxide (As ₂ O ₃)	—	—	—	—	—	—	—	87.3	—	—	—	—	—	—
As (metals) oxide	6.4	—	—	—	—	—	30.0	0.2	—	—	—	—	—	—
As (metals) sulfate	—	7.5	—	—	—	—	—	—	—	—	—	—	—	—
Calcium arsenate (CaAsO ₄)	—	—	—	—	—	—	—	—	—	—	—	—	1.7	—
Clay	—	—	85.5	—	—	—	—	—	—	—	—	—	—	—
Iron aluminum silicate	—	—	—	—	—	—	—	—	—	—	—	—	—	71.8
Fe As oxides (AsFeOOH)	12.3	10.6	—	—	—	—	3.0	—	—	—	—	—	54.5	—
Iron oxides (FeOOH)	55.9	3.5	14.4	27.2	1.3	6.9	1.5	1.7	22.2	35.2	100	99.9 (37.5)	32.1	22.9
Iron sulfate (FeSO ₄)	23.1	9.3	—	2.3	—	—	1.4	0.1	76.7	64.8	—	—	0.5	—
Lead arsenate (PbAsO ₄)	—	66.4	—	—	98.6	37.2	24.7	10.3	—	—	—	—	8.1	2.3
Lead (metal) oxide	—	2.5	—	—	—	1.4	3.3	—	—	—	—	—	—	—
Manganese oxides (MnOOH)	0.4	—	—	—	0.04	54.5	—	0.3	—	—	—	0.1 (8.8)	3.0	3.0
Phosphate	—	0.02	—	—	—	—	—	0.2	—	—	—	—	0.1	—
Pyrite	—	0.3	—	—	—	—	—	—	—	—	—	—	—	—
Slag	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—
Zinc (metal) oxide	—	0.1	—	—	—	—	—	—	—	—	—	—	—	—
No. of particles counted	130	130	147	109	215	112	105	163	183	153	88	104	118	132
Arsenic concentration (mg As/kg soil)	650	1412	189	300	301	125	394	1230	1492	268	339	546	1000	724

Note. Soil ID: CAMT, California mine tailings; WAOS, Washington orchard soil; NYOS, New York orchard soil; COSCS, Colorado smelter composite soil; COSS, Colorado smelter soil; FLCPS, Florida chemical plant soil; NYPF, New York Pesticide Facility soil; HIVS, Hawaiian volcanic soil.

From these, a measurement of RBA for each soil sample in each experimental subject could be made.

Samples of arsenic-contaminated soil were obtained from 12 different sites. As described in the "Materials and Methods" section, all soils were sieved to remove constituents greater than 250 μ m. Total arsenic content was measured for each sample, and concentrations ranged from 125 to 1492 mg As/kg soil (Table 3). Each soil sample was administered to five randomly selected experimental subjects by gavage, and urine and feces were collected for 4 days (Table 4). For 11 out of 14 soil samples, the arsenic dose administered to the monkeys was within the range of doses used to establish absorption of sodium arsenate in water (i.e., 0.25–1.0 mg As/kg bw). For two soil samples with the lowest arsenic content, arsenic doses of 0.18 and 0.12 mg As/kg bw were administered in order to keep the total mass of the soil dose within protocol limits of ≤ 1 g soil/kg bw. The administered arsenic dose for the soil sample with the highest arsenic concentration was 1.33 mg As/kg bw. The percentages of the arsenic dose excreted in urine from soil doses were generally much less than observed after gavage doses of sodium arsenate in water, while recovery of the dose in feces was higher. This is consistent with reduced gastrointestinal absorption of the arsenic from soil relative to water. Total recovery of arsenic following the soil doses was similar to, and some instances higher than, total recovery of arsenic after gavage with sodium arsenate in water (Tables 2 and 4).

The RBA of arsenic in the soil sample was calculated for each subject. Mean ($\pm$ SD) values obtained for each soil are presented in Table 4. The mean RBA values for the 14 soil samples varied from 0.05 to 0.31 (i.e., 5–31%). The coefficients of variation (COVs) were less than about 50%, except for the soil with the lowest RBA, which had a COV of 81% (Note that the RBA for this soil sample ranged from 0 to 11%). Results were calculated with and without inclusion of Subject #7516, which had unusually low-arsenic excretion after an iv dose (Table 1). Surprisingly, there was no apparent difference in the excretion of arsenic in urine between this subject and others after oral doses of sodium arsenate in water- or arsenic-contaminated soil. Consequently, data from this subject were included when calculating the RBA estimates for soils.

Because the RBA values for the various soil samples tested were all relatively low, an additional experiment was conducted to verify that the monkey model is in fact capable of measuring oral bioavailability over a wide range. For this experiment, a high bioavailability soil was created artificially by spiking a naturally low arsenic-content soil (3.6 mg As/kg soil) with sodium arsenate 3 h before the dose. The spiked soil was administered to seven animals by gavage in the same manner as the test soils. For the opposite extreme in bioavailability, six subjects were given a dose of soil spiked with arsenopyrite. In arsenopyrite, the arsenic is bound tightly and oral bioavailability is expected to be very low (Ruby *et al.*, 1999). RBA measurements from both types of spiked soil samples are shown in

TABLE 4
Relative Bioavailability (RBA) of Arsenic from Contaminated Soils

Soil sample	Arsenic dose (mg As/kg bw)	% dose in urine	% dose in feces	% total recovery	RBA
MTSS	0.65	5.2 ± 1.6	89.9 ± 11.6	95.1 ± 11.1	0.13 ± 0.05
WISS	1.33	5.1 ± 3.2	81.3 ± 5.5	86.3 ± 3.0	0.13 ± 0.07
FLCDV	0.18	12.4 ± 1.0	64.6 ± 15.6	77.0 ± 15.5	0.31 ± 0.04
CAMT	0.30	7.9 ± 2.0	84.7 ± 9.7	92.7 ± 11.5	0.19 ± 0.02
WAOS	0.30	9.3 ± 2.2	77.1 ± 8.5	86.4 ± 9.5	0.24 ± 0.09
NYOS	0.12	5.8 ± 2.6	76.7 ± 12.5	82.6 ± 13.4	0.15 ± 0.08
COSCS	0.40	6.9 ± 2.7	70.1 ± 9.4	77.0 ± 11.8	0.18 ± 0.06
CORS	1.0	6.5 ± 2.4	71.6 ± 12.4	78.1 ± 11.1	0.17 ± 0.08
COSS	1.0	1.8 ± 1.4	85.9 ± 4.3	87.7 ± 3.7	0.05 ± 0.04
FLCPS	0.34	2.9 ± 1.2	92.9 ± 4.3	95.8 ± 4.5	0.07 ± 0.03
NYPF1	0.99	7.6 ± 2.3	80.9 ± 6.8	88.5 ± 5.0	0.19 ± 0.05
NYPF2	0.30	10.1 ± 2.9	83.1 ± 10.0	93.2 ± 8.7	0.28 ± 0.10
NYPF3	0.49	7.3 ± 2.8	85.1 ± 6.7	92.3 ± 6.7	0.20 ± 0.10
HIVS	0.73	2.0 ± 0.6	73.7 ± 5.3	75.7 ± 5.1	0.05 ± 0.01

Note. Each soil sample was administered by gavage. The results reflect cumulative excretion in urine and feces over 4 days after the dose, and are expressed as the mean ± SD for five animals. The arsenic dose is based on the arsenic concentration in the soil and the soil mass administered. Soil ID: CAMT, California mine tailings; WAOS, Washington orchard soil; NYOS, New York orchard soil; COSCS, Colorado smelter composite soil; COSS, Colorado smelter soil; FLCPS, Florida chemical plant soil; NYPF, New York pesticide facility soil; HIVS, Hawaii volcanic soil.

Table 5. For sodium arsenate-spiked soil, the average RBA was 0.94, while the RBA for arsenopyrite was 0.01 in one subject and < 0.01 in the other animals. These observations suggest that the model is capable of measuring arsenic RBA over the full range of potential values.

Arsenic mass distribution across 18 mineralogic phases was evaluated for each soil fed to the monkeys (Table 3). The results indicated significant heterogeneity in the arsenic phases reflected in the soils. Some soils were dominated by arsenic in a single phase, while for other soils, arsenic was distributed across many mineralogic phases. Stepwise linear regression was used to evaluate the apparent relationship between each of the mineralogic

TABLE 5
Arsenic Recovery and RBA from Spiked Soil Samples

Spiked sample	% dose in urine	% dose in feces	% total recovery	RBA
Sodium arsenate	38.1 ± 7.2	47.01 ± 11.7	85.1 ± 15.4	0.94 ± 0.05
Arsenopyrite	0.08 ± 0.13	101 ± 30.7	101 ± 32.8	0.002 ± 0.003

Note. Each animal received a single gavage dose of soil spiked with sodium arsenate (0.5 mg As in water per kg bw; $n = 7$) or arsenopyrite (1.0 mg As per kg bw; $n = 6$) 3 h before the dose. The results reflect cumulative excretion in urine and feces over 4 days, expressed as a percent of administered dose.

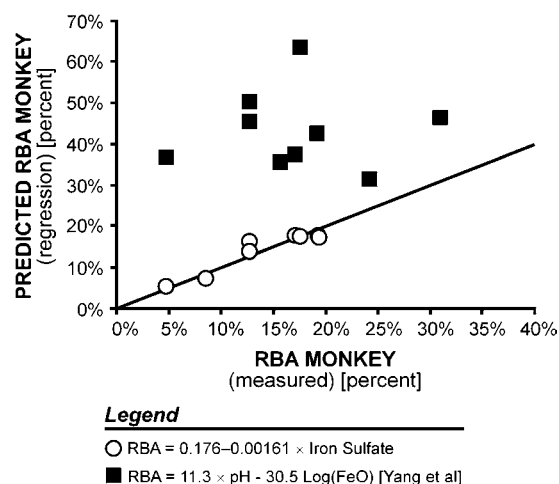


FIG. 1. Relationship between predicted and measured RBA values in cynomolgus monkeys. Open circles represent RBA values predicted based on content of arsenic in iron sulfate as described by the relationship shown. Closed square present RBA values predicted based on soil pH and iron oxide content as per Yang *et al.* (2005).

phases and RBA. In the eight samples for which arsenic was found to be present in iron sulfate, this mineral phase was the best single linear predictor of arsenic RBA ($p < 0.0005$, $R^2 = 0.883$), with RBA inversely related to arsenic present in the iron sulfate phase (Fig. 1). When all 14 samples were included in the regression analysis, the fit of the relationship was reduced ($p < 0.019$, $R^2 = 0.381$), but iron sulfate remained the best single linear predictor of RBA among the mineralogy parameters evaluated. There was no better fitting model using multiple mineralogy variables. Regression against metals, total organic carbon content, and particle size indicated no clear correlation with measured RBA.

DISCUSSION

Several species have been used as experimental models for measurement of arsenic bioavailability from soil. Among these species, the monkey is phylogenetically most similar to humans. The value of the monkey model in predicting gastrointestinal absorption in humans has been clearly demonstrated in pharmaceutical research (Ikegami *et al.*, 2003). For example, Chiou and Buehler (2002) compared the absorbed fraction of an oral dose for 43 drugs evaluated in both monkeys and humans and found excellent correlation with a slope near unity (Fig. 2). Less information is available specific to the comparative absorption of metals or metalloids in nonhuman primates, although O'Flaherty *et al.* (1996) reported that the fractional absorption of lead by cynomolgus monkeys is similar to that in fasted humans. Specifically, they found the rate of 35% absorption of lead in fasted humans (as reported in Rabinowitz *et al.*, 1980) to be comparable to the 22–44% absorption they observed in fasted monkeys.

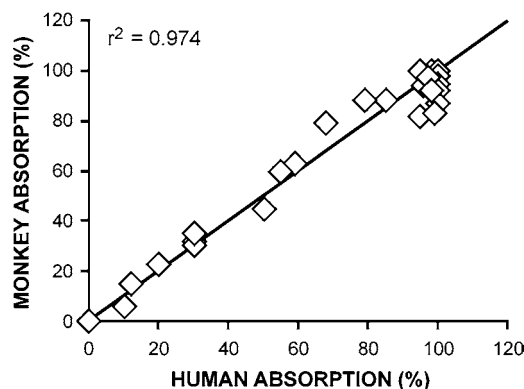


FIG. 2. Correlation of percentage oral dose absorbed between humans and monkeys for 43 drugs with a regression of equation of $F_{aM} = 0.96F_{aH} + 2.8$; $r^2 = 0.974$. Complete absorption demonstrated by 27 drugs in both species. The depicted line has a slope of unity. From Chiou and Buehler (2002).

Two previous studies have used primates to evaluate the RBA of arsenic from soil. A Battelle study measured arsenic RBA from one soil and one house dust sample collected near a Montana smelter site (Freeman *et al.*, 1995). Three female cynomolgus monkeys were used for this study. Another study (Roberts *et al.*, 2002) used five male Cebus monkeys to measure the RBA of arsenic from five soil samples collected from contaminated sites in Florida. Both previous studies measured urinary and fecal excretion of arsenic after iv and oral doses of sodium arsenate. The urinary and fecal recovery of iv administered arsenic in female cynomolgus monkeys in the Battelle study matched closely the recoveries observed in male cynomolgus monkeys reported here. In the Battelle study, $76.5 \pm 2.5\%$ (mean $\pm$ SD) of the arsenic dose was recovered in urine and $3.2 \pm 1.9\%$ was recovered in feces. Similarly, Cebus monkeys in the Florida study excreted $66.8 \pm 6.5\%$ of the iv dose in the urine and a very small percentage (0.5–0.6%) in feces.

The percent of arsenic dose recovered in urine following a gavage dose of sodium arsenate was about 40% in cynomolgus monkeys in this study, compared with about 50% in Cebus monkeys in the Florida study and almost 70% on average for cynomolgus monkeys in the Battelle study (Freeman *et al.*, 1995; Roberts *et al.*, 2002). The reason for the substantial difference in urinary excretion following oral sodium arsenate doses, particularly between studies using the same monkey species, is unclear. Total arsenic recoveries were also different, although the margin was smaller (about 80% in this study vs. 95% in the Battelle study), suggesting that at least part of the difference lies in lower gastrointestinal absorption of arsenic in water in monkeys in this study. The difference cannot be explained by dose—the Battelle study used a gavage dose (0.62 mg As/kg bw) in the middle of the range of doses in the study reported here (0.25–1.0 mg As/kg bw). It is also difficult to explain based on experimental protocol. Both studies administered the sodium arsenate dose by gavage tube without anesthesia, followed by recovery of urine and feces in metabolism cages for similar lengths of time (5 days in the Battelle study

and 4 days in this study). Cage washes recovered nearly 90% of arsenic in urine (see the “Materials and Methods” section), so underrecovery of arsenic from the metabolism cages can be ruled out. The differences might be due to gender (females in the Battelle study and males in this study). Unfortunately, there are no studies of arsenic bioavailability that have included animals of both sexes to examine this possibility. It is also possible that different cynomolgus monkey strains were used in the two studies with differing gastrointestinal absorption characteristics.

Even though urinary arsenic recoveries following ingestion of sodium arsenate in water vary among studies, each serves as a valid basis for comparison within study for determination of RBA. Among the 14 soil samples tested in this study, the mean RBA values ranged from 0.05 to 0.31 (5–31%). The RBA values obtained from different subjects were variable, and the COV was near 50% for about half of the soil samples. This variability is not surprising. Gastric residence time is likely to be important in extracting arsenic from soil matrices in the low-pH intragastric environment, and gastric-emptying rates can vary substantially from one individual to another. As an example, a recent study found that the gastric half-emptying time in 10 unfed cynomolgus monkeys given a 60-ml liquid dose of acetaminophen (as a gastric-emptying marker) ranged from about 10 min to 4 h (Kondo *et al.*, 2003). Although gastric-emptying times following oral soil doses have not been reported, there is no obvious reason to expect that variability would be substantially less. Based on variability in recoveries following gavage treatment with sodium arsenate doses (Table 2), much of the variability may be intra-subject; that is, reflecting differences in absorption of arsenic on different experimental days. However, it is interesting to note that variability among subjects was small for the cattle dip vat soil (Florida cattle dip vat soil [FLCDV]), and that when previously tested in Cebus monkeys (Roberts *et al.*, 2002), this soil sample also produced relatively low intrasubject variability. This suggests that some attribute of the soil may also influence variability in RBA results among different experimental subjects.

Four soil samples tested in this study were from sites where soil arsenic RBA has been measured using different species or models. As mentioned above, the FLCDV soil sample was also evaluated in a previous study using the Cebus monkey (Roberts *et al.*, 2002) with similar results (RBA of 0.25 ± 0.03 in the Cebus vs. 0.31 ± 0.04 in the cynomolgus monkey here). Three other soil samples (namely, Montana smelter soil [MTSS], Colorado residential soil [CORS], and Western iron slag soil [WISS]) were from sites where arsenic soil bioavailability had been evaluated, but were not the same specific soil samples measured by others. MTSS (RBA 0.13 ± 0.05) was taken from a Montana smelter site where an RBA of 0.20 was measured, also using cynomolgus monkeys (Freeman *et al.*, 1995). CORS came from a site for which arsenic bioavailability had been previously measured in five soil samples using a swine model (Casteel *et al.*, 2001). The RBA values for these five samples ranged from 0.18 to 0.45 (best estimates). The RBA for arsenic in the CORS sample measured here in the monkey was at the

bottom end of this range (0.17 ± 0.08). Arsenic RBA from an iron slag site soil sample (WISS) measured in the cynomolgus monkey (0.13 ± 0.7) was lower than the value reported for another soil sample from the site measured in the swine model (0.29 ; Rodriguez *et al.*, 1999).

These limited comparisons suggest that the swine model might yield higher estimates of oral bioavailability than the monkey, but definitive conclusions are impossible without data from splits of the same soil sample measured in both models. The swine model uses a somewhat different protocol involving multiple doses of arsenic in soil, but there is no reason to suspect *a priori* that this would lead to higher bioavailability estimates. One important difference between the monkey and swine protocols is the volume of soil administered relative to body weight, with larger volumes administered to the monkey. To test whether this soil volume might interfere with arsenic absorption leading to underestimates of RBA, spiked soil samples were tested in the monkey model. These spiked samples showed high bioavailability from sodium arsenate (Table 5), as would be expected, suggesting that the higher soil volume in the monkey model is not an impediment to arsenic absorption.

Arsenic mineralogy data from the test soils were evaluated to determine whether they might serve as a predictor of RBA measured in the cynomolgus monkey. Arsenic is known to occur in soil as a complex mixture of mineral phases, coprecipitated and sorbed species and dissolved species, and the distribution of arsenic among these phases can control dissolution properties (Davis *et al.*, 1996; Ruby *et al.*, 1999). The distribution of arsenic among these phases may reflect the arsenic source or be altered substantially by weathering, such as association of arsenic with iron oxides within the soil (Cances *et al.*, 2005; Ruby *et al.*, 1999). Measurement of arsenic mass distribution across 18 mineralogic phases revealed significant heterogeneity among the 14 soil samples included in this study. A stepwise linear regression found arsenic present in iron sulfate was the best single linear predictor of arsenic RBA, which is consistent with proposed models of arsenic bioavailability (Ruby *et al.*, 1999). However, this result is the opposite of observations comparing soil mineralogy data with RBA measured in swine reported previously (Basta *et al.*, 2000). In that study, arsenic RBA in four samples (including two different types) of mine-waste soils increased as the percent of total arsenic in the iron sulfate fraction increased.

A number of recent studies have examined the impact of soil chemistry on the dissolution and bioavailability of arsenic. Several of these studies reported that the solubility of arsenic under physiologic conditions is inversely correlated with the soil content of other metals such as iron and aluminum (Fendorf *et al.*, 2004; Sarkar and Datta, 2004; Yang *et al.*, 2002, 2005) and/or directly related to the organic carbon content (Pouschat and Zagury, 2006; Sarkar *et al.*, 2005). With the exception of the importance of arsenic in iron sulfate, RBA measurements in the cynomolgus monkey do not support these findings. For example, Yang *et al.* (2005) have proposed a model for arsenic bioavailability from soil based on pH and extractable iron oxide content.

As shown in Figure 1, this model markedly overpredicts RBA in the soils examined here, and was noted in the original report to overpredict RBA values measured previously in Cebus monkeys. Although not consistently biased in one direction, predicted arsenic bioavailability also did not correspond particularly well with RBA values measured for several soils in the swine model (Yang *et al.*, 2005).

There are several potential explanations for the apparent discrepancy between the soil chemistry studies cited above and RBA measured *in vivo*. These include the number of soils studied, soil provenance, the source of arsenic contamination, and the extraction methods used in the soil chemistry studies to approximate bioavailability. Of the six studies, four based their evaluations on two, three, or four discrete soil samples. Pouschat and Zagury evaluated 12 soils, but all were from the same source of contamination—chromated copper arsenate (CCA). Only Yang *et al.* (2002, 2005) evaluated a large diversity of soils. All but one study used soils that had been spiked with arsenic (arsenate or arsenite) and subjected to different aging or weathering regimes. Only the study of Pouschat and Zagury evaluated environmentally contaminated soils and, as noted above, this study was limited to soils affected by CCA. Finally, although some studies purported to correlate soil characteristics with “bioavailability,” all the models and proposed relationships in these studies were based on data from *in vitro* extraction methods rather than actual RBA measurements *in vivo*. This suggests that information from contemporary *in vitro* “bioaccessibility” models, even those based on simulated physiological conditions, may not adequately address all the processes that affect absorption of arsenic from soils *in vivo*.

The results reported here expand considerably the number and types of soils for which arsenic bioavailability has been measured using a primate model. This study demonstrates that while the model is capable of measuring RBA values from < 10 to $> 90\%$, results from a variety of types of contaminated sites are consistently low, i.e., about 30% or less. Recognition of the limited bioavailability of arsenic from soils is important in the evaluation of human health risks from arsenic-contaminated sites. RBA values are an important component of risk calculation and the development of risk-based cleanup goals. RBA values from *in vivo* bioavailability studies remain the “gold standard,” but there is strong interest in developing more rapid, less expensive means of obtaining RBA information. Previous attempts to develop *in vitro* tools to predict arsenic RBA have met with limited success, and there are no existing *in vitro* models that predict well the RBA observations reported here for an expanded set of arsenic-contaminated soils. In order to develop a satisfactory *in vitro* model, a better understanding of factors that control gastrointestinal absorption of arsenic from soil matrices will be required.

ACKNOWLEDGMENTS

This research was supported in part by a grant from the Strategic Environmental Research and Development Program, U.S. Department of Defense

awarded to Exponent, Inc, Boulder, CO and from the Solubility/Bioavailability Research Consortium. The authors are indebted to Dr Eric Creelius for measurement of arsenic in baseline urine samples and to Dr John Drexler, University of Colorado, Boulder, CO, for characterization of the mineralogy of soil samples.

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In Vivo Percutaneous Absorption of Arsenic from Water and CCA-Treated Wood Residue

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Received September 30, 2003; accepted February 5, 2004

This study was conducted to evaluate the dermal absorption of arsenic from residues present on the surface of wood preserved with chromated copper arsenate (CCA). The research reported herein used methods parallel to those of earlier research on the dermal absorption of radiolabeled arsenic (R. C. Wester *et al.*, 1993, *Fund. Appl. Toxicol.* 20, 336–340), with modifications to allow use of environmental matrices that are not radiolabeled. These modifications include the surface area of application and dietary intake of arsenic, thus maximizing the potential for detection of dermally absorbed arsenic in exposed animals above diet-associated background levels of exposure. Two forms of arsenic were administered in this work. The first, arsenic in solution, was applied to the skin of monkeys to calibrate the model against prior absorption research and to serve as the basis of comparison for absorption of arsenic from CCA-treated wood residues. The second substrate was residue that resides on the surface of CCA-treated wood. Results from this research indicate that this study methodology can be used to evaluate dermally absorbed arsenic without the use of a radiolabel. Urinary excretion of arsenic above background levels can be measured following application of soluble arsenic, and absorption rates (0.6–4.4% absorption) are consistent with prior research using the more sensitive, radiolabeled technique. Additionally, the results show that arsenic is poorly absorbed from CCA-treated wood residues (i.e., does not result in urinary arsenic excretion above background levels).

Key Words: dermal arsenic absorption; CCA; arsenic exposure; environmental arsenic.

Prior research on the dermal absorption of soluble arsenic administered in water, and soluble arsenic mixed with soil, in Rhesus monkeys (Wester *et al.*, 1993) produced mean dermal absorption rates for soluble arsenic in the range of 2.0–6.4% of the applied dose. Percent absorption did not vary across five orders of magnitude in the applied dose. Also, in Wester *et al.*

(1993), the absorption rates for arsenic from the test soil fell within the range of the rates for percutaneous absorption of the arsenic administered in water. The research method was based on dermal application and subsequent urinary excretion of radiolabeled arsenic (As⁷³), thereby permitting detection of very small amounts of absorbed arsenic in the urine. Subsequent to this research, questions arose as to whether the data on dermal absorption of soluble arsenic mixed with soil immediately prior to dermal application are representative of arsenic absorption from environmental media (U.S. EPA, 2001a). Specifically, this issue affects the ongoing discussion of dermal absorption of arsenic from wood treated with chromated copper arsenate (CCA). Currently, the U.S. EPA is evaluating whether children who repeatedly contact playground equipment or decks made from CCA-treated wood may face increased risks from the associated arsenic exposures (U.S. EPA 2001a, 2003). The U.S. EPA assessment currently relies on dermal arsenic absorption data generated for soluble arsenic and soluble arsenic mixed with soil, and may not be representative of exposures associated with contact with CCA-treated wood. This paper used a methodology similar to that used by Wester *et al.* (1993) to assess dermal arsenic absorption from the residues that would adhere to an individual's skin after contacting the surface of CCA-treated wood.

Among several challenges associated with studying exposure to arsenic from environmental media is the large degree of exposure to background levels of arsenic from the diet (Schoof, 1999a,b; Yost *et al.*, 2004). Typical daily urinary arsenic excretion for Rhesus monkeys consuming the standard diet of Purina monkey chow is 5–15 μg As/day. In the Wester *et al.* (1993) research, the use of a radiolabeled arsenic source circumvented the confounding effects of concomitant dietary exposures and associated difficulties in data interpretation. For study of environmental samples (e.g., contaminated soils or treated wood), it is not practicable to use a radiolabeled source. Therefore, a new research protocol was designed, incorporating a low-arsenic diet. Urine samples were analyzed using inductively coupled plasma/mass spectrometry, which pro-

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vided an adequately low detection limit for total arsenic in urine. This alteration in the study design allows for a sensitive evaluation of dermal arsenic absorption from natural environmental media.

The research reported herein describes the use of the Rhesus monkey model to measure the dermal absorption of arsenic from water and from residues collected from the surface of CCA-treated wood. The Rhesus monkey is a relevant animal model for *in vivo* human percutaneous absorption (Wester and Maibach, 1975, 1989).

MATERIALS AND METHODS

Formulations and dosing rates. An open crossover design was used, in which each animal is dosed in each of the trials (soluble arsenic in solution applied to the skin, CCA residue applied to the skin, and iv injection), with a washout period of at least 14 days between each dose. This design allows for each animal to serve as its own internal control.

The iv dose (1060 μg arsenic/monkey) was administered as a solution of sodium arsenate heptahydrate in deionized (DI) water (2120 mg/l arsenic). For the iv dose, each monkey received 0.5 ml of the dosing solution injected into the saphenous vein. The iv dose was given while the monkeys were in their metabolic cages, so the monkeys did not spend any time in the metabolic restraint chairs, as they did with the topical doses.

For the soluble arsenic dose, arsenic was administered in water onto the monkey's skin at an application rate of 5 $\mu\text{l}/\text{cm}^2$ evenly applied across 100 cm^2 of skin, to achieve a total dermal dose of 1430 μg arsenic (Table 1). The solution was prepared from sodium arsenate heptahydrate in DI water, which was acidified with 1% nitric acid (trace-metal grade). The soluble arsenic dose was designed to match the arsenic dose applied in the CCA-treated wood residue.

The CCA residue used in this study is the easily dislodgeable material present on the surface of CCA-treated wood, and was collected from the surface of CCA-treated wood that had been weathered in the environment. This represents the material that a human might contact during play or use of a CCA-treated wooden structure. Consideration was given to using an actual piece of CCA-treated wood in this research, but we elected to use the "collected residue" for the following reasons:

- If actual wood were used, it would be impossible to accurately characterize the dose of arsenic applied to the skin.

- There was concern that the environment of the skin (e.g., transdermal water loss, irritation) may be modified if a solid structure such as wood was applied directly.
- We could not ensure adequate wood-to-skin contact for a solid wood material. If the wood was not held in good contact with the skin, then the results would be biased low.
- Prior to using the "collected residue," we evaluated the chemical structure of arsenic in the residue and on the surface of CCA-treated wood (new and aged). These results indicate that the nature of the arsenic in the residue is identical to the arsenic on the surface of the wood (Nico *et al.*, 2003).
- Because the form of arsenic in the residue was the same as in the treated wood samples, and because use of the residue circumvented the issues associated with items 1–3 above, we determined that use of the residue provided the best study matrix.

The residue, in the form of a fine particulate, was supplied by the American Chemistry Council (ACC, 2003), and represents the material present on the surface of CCA-treated wood, which an individual might contact during use of, or play on, structures made of treated wood. In collecting the "residue" from the surface of the wood, efforts were made to collect the material on the surface of the wood that might be dislodged during direct human contact with the wood. Specifically, CCA-treated boards consisting of either Southern Yellow Pine or Ponderosa Pine were removed from in-service residential decks in Michigan and Georgia. Deck structures ranged from one to four years of age and had no coatings applied. Aged structures were selected, because they were believed to best represent the material that an individual might contact over time. As described below, recent chemical characterization work indicates that the chemical structure of the arsenic in the residue collected from the surface of decks is indistinguishable from the form of arsenic in newly treated or aged CCA-treated wood structures. A total of 1456 board sections (each 2 ft. long) were collected and shipped to Michigan State University, where the residue was collected as a single composite from multiple boards. The residue was collected by wiping the boards with a soft-bristle test-tube brush while rinsing with DI water. The rinsate and residue collected in this manner were filtered through glass wool, concentrated by rotary evaporation under vacuum at 46°C, and then air dried in a fume hood at 22°C and 65% humidity. The dried residue was irradiated using Cobalt-60 irradiation for 3 h, to eliminate possible microbial contamination of the sample.

Duplicate aliquots of the residue material used in the dermal dosing studies were analyzed for arsenic, chromium, copper, iron, and manganese concentrations, which involved digestion in refluxing nitric acid and analysis by inductively coupled plasma mass spectroscopy (ICP-MS; EPA Method 6010B; U.S. EPA, 1997). This analytical method was used to ensure adequate sensitivity for all metals of interest. As a means of comparing the composition of the

TABLE 1
Arsenic Doses Given during This Study and Earlier Dermal Absorption Studies

Study	Concentration ^a	Volume ^b	Arsenic mass	
			Dosed (μg)	Per unit area ($\mu\text{g}/\text{cm}^2$)
Soluble dose	2860 mg/l ^c	0.5 ml	1430	14.3
CCA residue	3555 mg/kg ^c	400 mg	1422	14.2
Intravenous dose	2120 mg/l	0.5 ml	1060	—
Soluble dose (Wester <i>et al.</i> , 1993)				
High dose	—	0.06 ml	76	2.1
Low dose	—	0.06 ml	0.00086	0.000024

Note. —, not available or not applicable.

^aArsenic concentration in dosing material.

^bVolume of dosing material administered.

^cAverage of duplicate analyses.

CCA residue with the composition of treated wood, samples (a 1-cm² wood chip from the top 0.2 cm of wood surface) of newly treated wood and a sample of weathered wood from a five-year-old CCA-treated residential deck were subjected to identical digestion and analyses.

For very fine soil (i.e., silty clay), a loading of 5.4 mg/cm² of skin results in a monolayer (U.S. EPA, 2001b). Because the residue appears similar in particle size distribution to silty clay, and a loading rate of 4 mg/cm² of the residue provides complete coverage on a flat surface, a loading rate of 4 mg/cm² was selected for this study. Application of 4 mg/cm² on 100 cm² of skin area resulted in a total dose of 1422 µg arsenic (Table 1). The residue was applied as a dry powder, and spread in an even layer across the exposure area.

In Vivo Model. Female Rhesus monkeys were selected for this research because of their ability to duplicate the biodynamics of percutaneous absorption in humans, and because previous studies of percutaneous arsenic absorption have used this same model. Prior research indicates that percutaneous absorption in the Rhesus monkey is similar to absorption in humans across a variety of chemicals and range of dermal penetration characteristics (Wester and Maibach, 1975). This research indicates that measurements from the monkey are just slightly higher than their counterparts in the human. Results from other species (pig, rat, rabbit) are not nearly as close to the values measured in humans, and indicate that, of the species tested, absorption in the monkey is closest to that in the human.

The monkeys were approximately 20 years old, which is the same approximate age as the monkeys used in the previous dermal arsenic absorption research (Wester *et al.*, 1993). The animals reside within the monkey colony maintained by the University of California, San Francisco, and have not been used for active research for 18 months. Prior to the beginning of the current series of studies, no topical doses had been applied to the skin of these animals for more than four years.

Each topical dose was applied to a pre-measured 100-cm area of abdominal skin of three monkeys. The dosing area was demarked by "masking" the boundaries with a single layer of Tegaderm (a water-vapor-permeable adhesive membrane available from 3M Health Care, St. Paul, MN) and then was dosed by spreading the fluid (5 µl/cm²) or residue (4 mg/cm²) evenly across the 100-cm² dosing area. The dosing area was then covered with a layer of Tegaderm to ensure that the material remained in contact with the skin. The Tegaderm patch over the dosing area extended well beyond the boundaries of the exposure area. In addition to the Tegaderm patch, the abdomen of each monkey was wrapped with Spandage Instant Stretch Bandage (MEDI-TECH International Corp., Brooklyn, NY) to ensure that the applied dose was kept in direct contact with the skin throughout the dosing period. This bandage is of a web construction; most of the Tegaderm was exposed to the open air for moisture and air exchange. Following application of the topical doses, the monkeys were placed in metabolic restraint chairs for the duration of the eight-h dosing period. The eight-h dosing period was selected to represent an upper bound of time that an individual might remain in contact with residues, and is also the upper limit of time that the monkey can remain in the metabolic restraint chair. During this time, the monkeys had free access to water, but were restricted from touching their abdominal area. Researchers remained in the room and interacted with the monkeys, and the monkeys were hand fed bananas and liquid diet during this stage.

Urine was collected during the 8-h dosing period in a pan under the metabolic chair. After 8 h, the monkeys were removed from the chairs, the Spandage bandage and Tegaderm patch were removed, and the applied doses were removed using a soap and water wash (50/50 v/v, soap and water, followed by water, soap, and two final water washes). The monkeys were then transferred to metabolic cages for continued urine collection over the following seven days.

As with humans, significant exposure to arsenic occurs from the normal diet (Schoof, 1999a,b; Yost, 2004). Urinary excretion of total arsenic for Rhesus monkeys on the standard diet of Purina Monkey Chow falls in the range of 5 to 15 µg/day—levels that would obscure accurate detection of the arsenic that might be absorbed following topical application of arsenic. Therefore, the monkeys were provided a low-arsenic diet (Primate Liquidiet from BioServe,

Inc.) for seven days prior to each dose. The powdered Liquidiet formulation also was prepared into meal bars, which were provided *ad libitum* to the monkeys during the research period (seven days prior to dosing through seven days after dosing). The diet was supplemented with pieces of banana and apple, which are both known to be low in total arsenic (Schoof *et al.*, 1999a). DI water was provided *ad libitum*. The liquid diet was provided as both liquid and solid forms. Preference was for the solid form. The monkeys maintained their body weight during the study.

The monkey urine samples were preserved with nitric acid (2%) at the time of collection, and shipped to Battelle Pacific Northwest Laboratories in Sequim, Washington, for analysis. At Battelle, the urine samples were acidified with an additional 2% (by volume) of concentrated nitric acid and analyzed for total arsenic by ICP/MS (Method 1638, U.S. EPA, 2002). This method provides a method detection limit (MDL) of approximately 0.1 µg/l arsenic in monkey urine. Quality assurance and quality control (QA/QC) samples included a method blank, duplicates, matrix spikes, and a laboratory control sample at a 5% frequency of analysis.

RESULTS

Total metals concentrations of arsenic, chromium, and copper in the residue are presented in Table 2, along with corresponding data for a sample of newly treated wood (recently purchased from a local retailer), and a sample of weathered wood from a five-year-old residential deck. The relative concentrations of these three metals are similar for all three samples, indicating that the residue contains a proportion of the CCA metals that is similar to both freshly treated and aged wood. As expected, concentrations of all three metals are somewhat lower in the wood-chip samples than in residue. Although the residue is largely composed of decayed wood from the wood surface, larger wood fragments were removed from the sample during preparation of the residue, when the residue is filtered through glass wool. In contrast, the wood-chip samples contained a larger proportion of wood matter. More instructive is the ratio of the different metals from these analyses, which are similar across the samples.

Data for the mass of urinary arsenic excreted by the monkeys following dermal dosing are presented in Table 3 (soluble arsenic), Table 4 (CCA residue), and Table 5 (iv dose). Data on the background arsenic excretion for each monkey for the days prior to the dosing period are included. The value reported for the 0- to 24-h period is the combined arsenic mass from the urine collected during the 8-h dosing period, a wash of the

TABLE 2
Metal Concentrations in CCA Residue and Wood

Sample	Arsenic (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)
CCA residue			
Sample 1	3600	4120	2260
Sample 2	3510	4070	2220
Weathered CCA-treated wood	1760	2700	942
Freshly-treated CCA wood	2730 ^a	3080 ^a	1545 ^a

^aAverage of lab duplicates.

TABLE 3
Urinary Arsenic Data following Dermal Application of
Arsenic in Soluble Dose

	24-h Mass excreted	
	(μg)	Corrected ^a (μg)
Animal 1		
Background		
24–48 h	5.07	0.00
0–24 h	1.56	0.00
0–24 h	41.58 ^b	35.50
24–48 h	7.22	1.13
48–72 h	8.08	1.99
72–96 h	7.21	1.12
Total arsenic mass excreted (0–96 h)		39.74
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		48.41 ^c
Percent absorption (0–96 h)		3.4% ^d
Animal 2		
Background		
24–48 h	6.30	0.82
0–24 h	7.08	1.61
0–24 h	10.22 ^b	4.75
24–48 h	6.96	1.48
48–72 h	5.32	0.00
72–96 h	6.53	1.05
Total arsenic mass excreted (0–96 h)		7.28
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		8.87 ^c
Percent absorption (0–96 h)		0.62% ^d
Animal 3		
Background		
24–48 h	5.20	1.79
0–24 h	3.07	0.00
0–24 h	30.35 ^b	26.94
24–48 h	20.98	17.56
48–72 h	4.52	1.10
72–96 h	9.16	5.75
Total arsenic mass excreted (0–96 h)		51.35
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		62.55 ^c
Percent absorption (0–96 h)		4.4% ^d

^aCorrected mass calculated by subtracting median of the eight background arsenic masses for each monkey. If corrected mass is calculated less than zero, corrected mass is set to zero.

^bSum of (0–8 h), pan wash, and (8–24 h). Pan wash concentration is calculated using pan wash concentration minus average of wash water concentrations.

^cCalculated by correcting excreted mass for fractional excretion of arsenic from iv dose (i.e., 0.821 or 82.1%).

^dPercent absorption calculated using soluble applied dose mass of 1430 μg .

urine collection pan, and the urine collected from 8 h to 24 h after the monkeys were returned to their cages. The right-most column in each of these tables presents the mass of arsenic excreted for each 24-h period, corrected for background levels

TABLE 4
Urinary Arsenic Data following Dermal Application of
Arsenic in CCA Residue

	24-h Mass excreted	
	(μg)	Corrected ^a (μg)
Animal 1		
Background		
96–120 h	7.88	1.79
48–72 h	6.44	0.35
0–24 h	5.73	0.00
0–24 h	4.84 ^b	0.00
24–48 h	4.90	0.00
48–72 h	4.86	0.00
72–96 h	5.89 ^c	0.00
Total arsenic mass excreted (0–96 h)		0.00
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		0.00 ^d
Percent absorption (0–96 h)		0.00% ^{e,f}
Animal 2		
Background		
96–120 h	5.79	0.32
48–72 h	1.92	0.00
0–24 h	4.59	0.00
0–24 h	4.17 ^b	0.00
24–48 h	2.93	0.00
48–72 h	3.77	0.00
72–96 h	3.78 ^c	0.00
Total arsenic mass excreted (0–96 h)		0.00
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		0.00 ^d
Percent absorption (0–96 h)		0.00% ^{e,f}
Animal 3		
Background		
96–120 h	4.40	0.99
48–72 h	4.88	1.47
0–24 h	3.44	0.03
0–24 h	4.24 ^b	0.83
24–48 h	3.26	0.00
48–72 h	3.94	0.53
72–96 h	3.39 ^c	0.00
Total arsenic mass excreted (0–96 h)		1.37
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 h)		1.66 ^d
Percent absorption (0–96 h)		0.12% ^{e,f}

^aCorrected mass calculated by subtracting median of the eight background arsenic masses for each monkey. If corrected mass is calculated less than zero, corrected mass is set to zero.

^bSum of (0–8 h), pan wash, and (8–24 h). Pan wash concentration is calculated using pan wash concentration minus average of wash water concentrations.

^c24-h mass excreted is estimated as 1/4 of 72–168 h sample mass.

^dCalculated by correcting excreted mass for fractional excretion of arsenic from iv dose (i.e., 0.821 or 82.1%).

^ePercent absorption calculated using CCA residue applied dose mass of 1422 μg .

^fNot statistically different from background.

TABLE 5
Urinary Arsenic Data following Intravenous Arsenic Dose

	24-h Mass excreted	
	μg	Corrected ^a (μg)
Animal 1		
Background		
96–120 h	5.14	0.00
48–72 h	8.64	2.55
0–24 h	7.10	1.01
0–24 h	767.28 ^b	761.19
24–48 h	65.88	59.79
48–72 h	19.54 ^c	13.45
72–96 h	19.54 ^c	13.45
Total arsenic mass excreted (0–96 h)		847.88
Percent absorption (0–96 h)		80.0% ^d
Animal 2		
Background		
96–120 h	5.16	0.00
48–72 h	7.26	1.79
0–24 h	4.54	0.00
0–24 h	761.84 ^b	756.36
24–48 h	80.45	74.97
48–72 h	24.60 ^c	19.13
72–96 h	24.60 ^c	19.13
Total arsenic mass excreted (0–96 h)		869.59
Percent absorption (0–96 h)		82.0% ^d
Animal 3		
Background		
96–120 h	2.25	0.00
48–72 h	2.91	0.00
0–24 h	3.38	0.00
0–24 h	706.09 ^b	702.68
24–48 h	123.50	120.09
48–72 h	38.68 ^c	35.26
72–96 h	38.68 ^c	35.26
Total arsenic mass excreted (0–96 h)		893.29
Percent absorption (0–96 h)		84.3% ^d

^aCorrected mass calculated by subtracting median of the eight background arsenic masses for each monkey. If corrected mass is calculated less than zero, corrected mass is set to zero.

^bSum of (0–8 h), cage wash, and (8–24 h). Cage wash concentration is calculated using cage wash concentration minus average of wash water concentrations. [iv-dosed monkeys did not use the metabolic chair, and the cage wash was collected from below the cages after collection of the (0–8 h) sample.]

^c24-h mass excreted is estimated as $\frac{1}{2}$ of 48–96 hr sample mass.

^dPercent absorption calculated using intravenous dose of 1060 μg .

of arsenic in urine by subtracting out the median of the eight background data points for each monkey, on a monkey-specific basis. (In other words, the eight background values for each monkey were compiled, and the median was calculated for each monkey. The median values of 6.09, 5.48, and 3.41 μg arsenic/24-h period for monkeys 1, 2, and 3, respectively, were subtracted out of the 24-h urine value to yield “background-corrected” values.) The median value was selected because it is

the best representation of the central tendency of background urinary arsenic excretion over time, and is less sensitive to potential outlier effects (Fig. 1). This correction was applied to the data to reduce the influence of dietary arsenic on the excreted arsenic mass. The mass of arsenic excreted that is associated with the dermally applied dose is calculated by adding the mass excreted from the time of dosing through 96 h after dosing. After 96 h, the arsenic excretion has returned to background levels.

Prior research indicates that for female Rhesus monkeys, urinary excretion of an iv dose of arsenic was $80 \pm 6.7\%$ of the administered dose (Wester *et al.*, 1993). The iv dose given during this study resulted in $82.1 \pm 2.2\%$ of the administered arsenic dose excreted in urine (Table 5). The average urinary arsenic excretion value from this study (82.1%) was used to adjust the assumed total mass of arsenic excreted over the 96-h collection period, by dividing the calculated mass excreted by 0.821. This correction is intended to account for the fraction of arsenic that might be retained within the body or excreted by other routes (e.g., feces). This calculated mass excreted was then divided by the applied dose to calculate the percent of the applied dose that was absorbed for each animal and each dosing substrate. The percent absorption of arsenic was calculated in the following manner:

$$\text{Percent absorption} = \frac{(\text{Corrected mass excreted}_{0-96 \text{ hours}} \div \text{Urinary Excretion Fraction})}{\text{Applied dose}} \times 100 \quad (1)$$

For the soluble dose, absorption rates were 3.4, 0.62, and 4.4% for the three monkeys in the study (Table 3). Dosing levels used in our earlier research on the dermal absorption of arsenic are compared to those used in this study in Table 1. Despite the nearly seven-fold difference in the dermal loading rate between the two studies, the average absorption rate for the group dosed with soluble arsenic (2.8%) is consistent with results from Wester *et al.* (1993) (Table 6). These results are consistent with the previous study, wherein absorption rates were relatively consistent (range of 2–6.4%) despite a five-orders-of-magnitude change in the dose levels (i.e., an applied dose range of 0.000024 to 2.1 $\mu\text{g}/\text{cm}^2$). These data strongly support the suggestion that the difference in the measured absorption rates in the Wester *et al.* (1993) research reflects experimental variability rather than dose-related differences in absorption (U.S. EPA, 2001b). This is consistent with our understanding of individual variability in percutaneous absorption in humans and animals (Wester and Maibach, 1991, 1997).

Converse to the results for soluble arsenic, data from dermal application of CCA residue indicate virtually no absorption. Absorption rates following dermal application of residue are presented in Table 4. These data show that urinary excretion of arsenic following dermal application of the CCA residue does

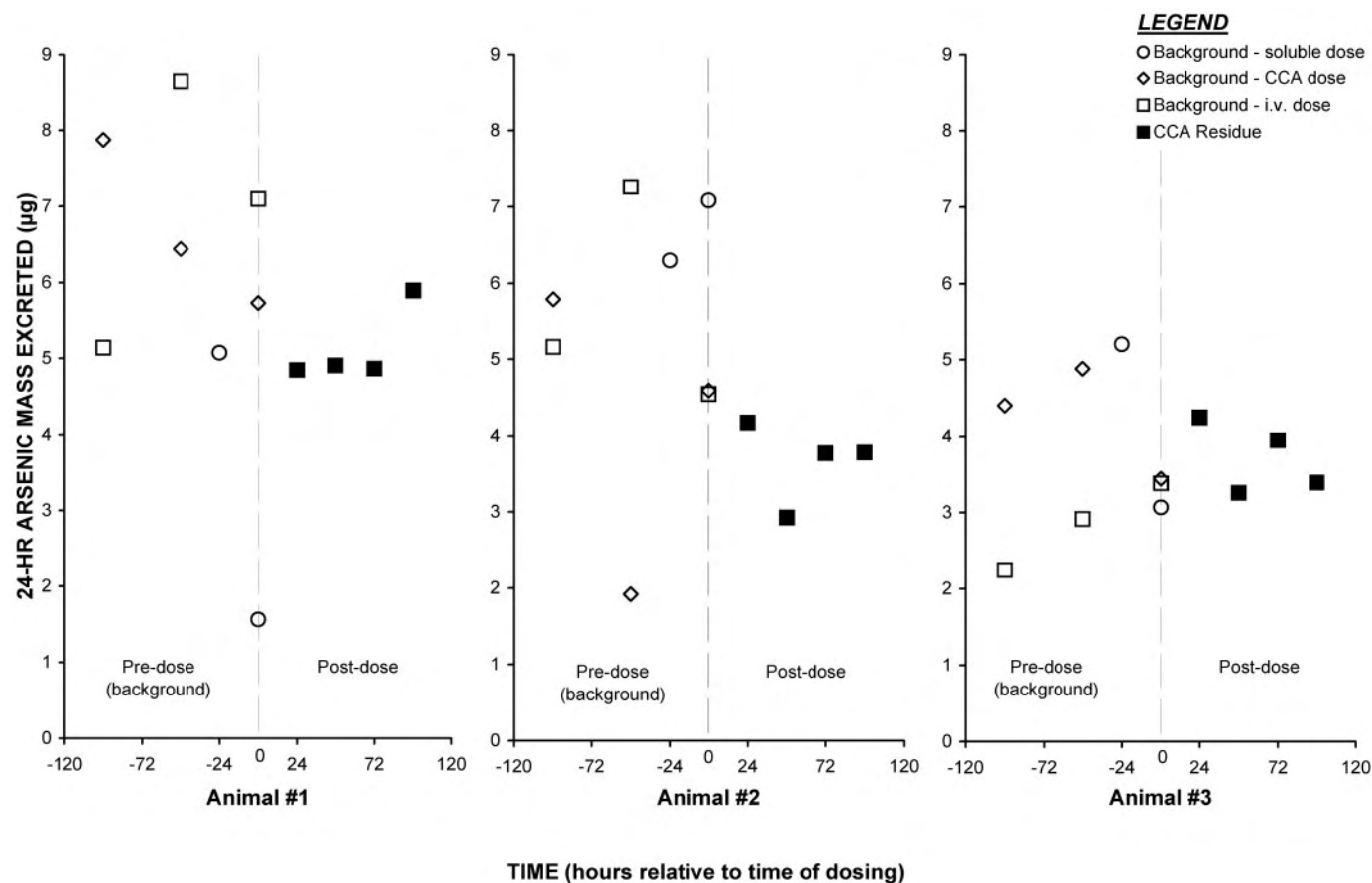


FIG. 1. Background urinary arsenic mass excretion in comparison to excretion following dosing with CCA residue.

not cause a detectable increase in urinary arsenic excretion, despite the fact that equivalent doses of arsenic were applied for both soluble arsenic and residue.

TABLE 6

Summary of Dermal Arsenic Absorption Values from Various Dosing Substrates

Substrate	Percent absorption	
	Average $\pm$ SD	(Range)
Soluble dose	2.8 $\pm$ 1.9	(0.62–4.4)
CCA residue	0.04 $\pm$ 0.07 ^a	(0.00–0.12)
Wester <i>et al.</i> (1993)		
Soluble		
Low dose	6.4 $\pm$ 3.9	—
High dose	2.0 $\pm$ 1.2	—
Soluble mixed with soil		
Low dose	4.5 $\pm$ 3.2	—
High dose	3.2 $\pm$ 1.9	—

Note. —, not available or not applicable.

^aNot statistically different from background for any monkey.

The time profiles for urinary arsenic excretion by each monkey are provided in Figure 2. These charts show a consistent time course for the three monkeys; peak excretion of arsenic occurs within 24 h of the dermal application of the soluble dose, with a rapid return to near-background levels of excretion within 48 to 72 h. Peak 24-h urinary arsenic excretion following the soluble dose ranged up to a maximum value of 41.6 μ g. The time profile for arsenic excretion following dermal application of the CCA residue is also consistent across all three monkeys. Figure 2 depicts that, following application of the CCA residue, there is no increase in urinary arsenic excretion, followed out through time.

Because the number of animals that can be used in primate research is constrained, the crossover study design—wherein each individual animal is dosed in each dose group, and data from each individual monkey can be used as its own “comparison control”—was specifically selected for use in this research. This study design optimizes the potential to observe statistically significant results despite the small sample size. It does necessitate, however, use of specific statistical approaches that are consistent with the study design. To determine whether the difference in the

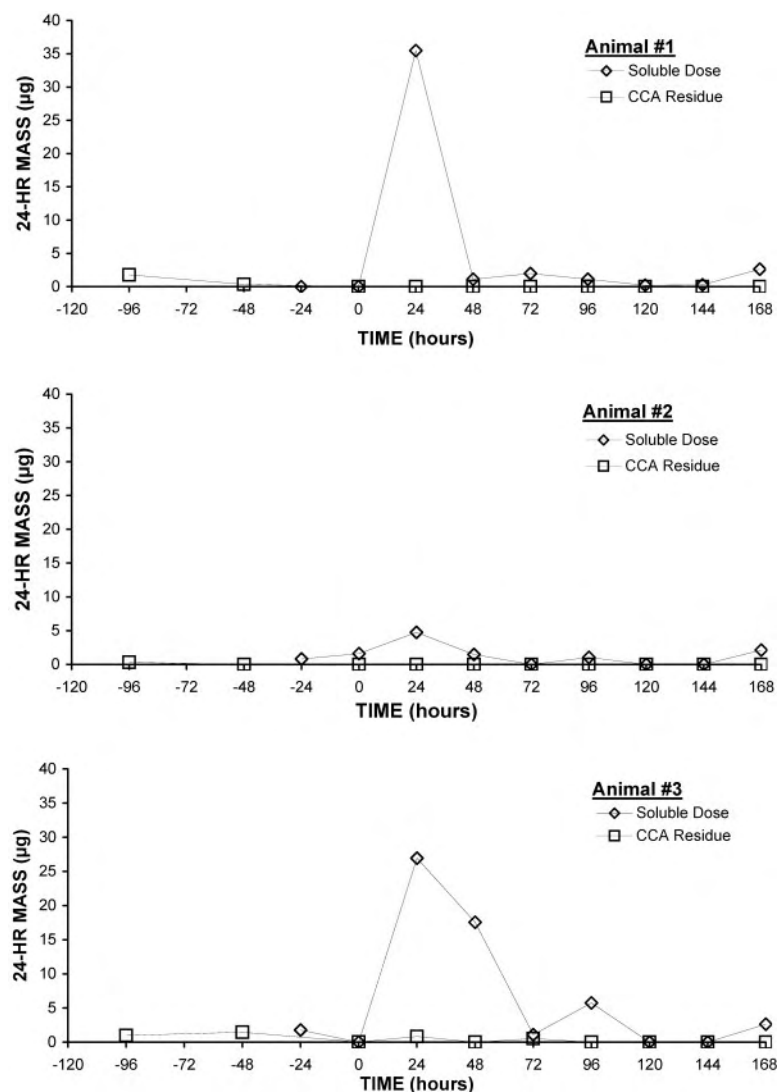


FIG. 2. Urinary arsenic mass excretion in 24-h increments.

results for the two dermal exposure groups was statistically different from background or from each other, an ANOVA analysis followed by a Tukey's multiple comparison test was conducted. In a study with a small number of animals, the variability between animals could be greater than the differences in absorption for different treatment groups; thus, statistical differences should be assessed after accounting for overall differences between monkeys. Because of the sequential nature of the data generated (i.e., at specified time points after dosing), analyses must also account for any time-dependent patterns present over the sampling period evaluated (e.g., comparing data within a given timepoint). The ANOVA model used to evaluate these data included factors for monkey, time, and treatment group. The factor for monkey controls for inter-monkey differences in mass excreted, allowing each monkey to serve as its own control. Monkey number was included as a random factor, because the monkeys tested were not specifically of interest but

rather a random selection of monkeys. In order to incorporate the sampling order, time period was included in the ANOVA model as an ordered factor. After accounting for monkey and time period differences, the treatment factor (i.e., soluble or residue dose group) was assessed for significance and followed by Tukey's multiple comparison test to identify which treatments are different from one another, using an overall significance level of 0.05 or 95% confidence. Results indicate that the urinary arsenic excretion levels in the animals exposed to the CCA residue are not statistically greater than background. This is also depicted in Figure 1, which shows a scatter plot of the daily urinary excretion values for each monkey, including background urinary excretion for each animal (i.e., prior to dosing trials), in comparison to the daily urinary excretion following exposure to the CCA residue. This figure demonstrates that the range of daily urinary excretion following exposure to CCA residue falls well within the range of background

urinary arsenic excretion. Conversely, the urinary arsenic excretion in the animals exposed to soluble arsenic in solution is significantly greater than background, and significantly greater than the residue exposure group.

DISCUSSION

The results from this research indicate that the methodology described above can be used to evaluate dermally absorbed arsenic from environmental samples. The development of this method was challenging because of the high degree of background arsenic exposure from the diet, and the potential for that background exposure to obscure any signal from a dermally applied dose. Use of the low-arsenic diet resulted in an approximately four-fold decrease in urinary arsenic excretion relative to the standard primate diet, and allowed for detection above background of a dermally applied dose of arsenic.

Although the results indicate that the urinary arsenic levels following topical administration of arsenic in CCA residues are not distinguishable from background, the non-zero values for background urinary arsenic excretion, and the variability of the measured background values, impose some limits regarding the sensitivity of the model to detect an absorbed dose. A statistical evaluation using a comparison of means (*t*-test) for our data indicates that the absorbed dose would need to be in the range of 0.10 to 0.16% of the applied dose, at the dosing levels used in this study, for daily arsenic excretion levels to be detectable above background. Thus, while these data suggest that there may not be any dermal absorption of arsenic from CCA residue (no monkey demonstrated urinary arsenic excretion that was statistically different from background), the uncertainty associated with this research model tells us that dermal absorption of arsenic from CCA residues is at least an order of magnitude lower than absorption of soluble arsenic from solution.

Extensive chemical analyses indicate that the arsenic present in the CCA residue used in this study is structurally and chemically identical to the arsenic present on the surface of newly treated or aged CCA-treated wood (Nico *et al.*, 2003), thus making it an appropriate study substrate for understanding the potential dermal absorption of arsenic following contact with CCA-treated wood. The negligible absorption of arsenic from the CCA residues derives from the fact that this arsenic is chemically bound with other metals (particularly chromium) and ultimately to the wood structure (Bull, 2001; Nico *et al.*, 2003). The physico-chemical conditions on the surface of the skin do not result in the liberation of arsenic from the residue, thus precluding absorption. These results indicate that percutaneous absorption of arsenic from environmental media can be significantly different from soluble arsenic or even soluble arsenic mixed with environmental media (Table 6). Therefore, it is not appropriate to apply generic assumptions regarding dermal absorption to these unique matrices, and medium-

specific analysis may be required to understand the dermal absorption from them (and potential associated risks). This appears to be true for arsenic, and may be true for other metals that form similarly stable complexes in the environment. The latter point should not be overgeneralized until additional metals have been thoroughly studied.

ACKNOWLEDGMENTS

The authors appreciate the help received from the American Chemistry Council, who provided the collected residue that was used in this research, as well as partial funding for the study. We also appreciate the support of Eric Crecelius and his staff at Battelle Marine Sciences Labs for their assistance and technical expertise in evaluating arsenic in urine. Finally, we acknowledge Georgia-Pacific Corporation for the funding they provided.

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Dermal Absorption of Arsenic from Soils, as Measured in the Rhesus Monkey

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Abstract

Regulatory agencies have relied on dermal absorption data for soluble forms of arsenic as the technical basis for specific absorption values that are used to calculate exposure to arsenic in weathered soil. These evaluations indicate that percutaneous absorption of arsenic from soil ranges from 3.2 to 4.5% of the dermally applied dose, based on studies of arsenic freshly mixed with soil. When this value is incorporated into risk assessments and combined with other assumptions about dermal exposures to soil, the conclusion is often that dermal exposure to arsenic from soil may contribute significantly to overall exposure to arsenic in soil.

Prior characterization research has indicated that the solubility of arsenic in soil varies, depending on the provenance of the soil, the source of the arsenic, and the chemical interaction of arsenic with other minerals present within the soil matrix. Weathering produces forms of arsenic that are more tightly bound within the soil and less available for absorption. Our research expands on prior *in vivo* studies to provide insights into the potential for dermal absorption of arsenic from the more environmentally relevant substrate of soil. Specifically, two soils with very high concentrations of arsenic were evaluated under two levels of skin hydration. One soil, containing 1,400 mg/kg arsenic, was collected adjacent to a pesticide production facility in New York. The other soil, containing 1,230 mg/kg arsenic, was collected from a residential area with a history of application of arsenical pesticides. Although the results of this research are constrained by the small study size dictated by the selection of an animal research model using monkeys, the statistical power was optimized by using a “crossover” study design, wherein each animal could serve as its own comparison control. No other models (animal or *in vitro*) were deemed adequate for studying the dermal absorption of soil arsenic.

Our results show dermal absorption of soluble arsenic in solution to be $4.8\% \pm 5.5\%$, which is similar to results reported earlier for arsenic in solution (and used by regulatory agencies in recommendations regarding dermal absorption of arsenic). Conversely, absorption following application of arsenic in the soil matrices resulted in mean estimated arsenic absorption of 0.5% or less for all soils, and all individual estimates were less than 1%. More specifically, following application of arsenic-bearing soils to the abdomens of monkeys, urinary arsenic excretion could not be readily distinguished from background. This was true across all five soil dosing trials, including application of the two soils dry, and three trials with wet soil. These findings are consistent with our understanding of the environmental chemistry of arsenic, wherein arsenic can be present in soils in complexed mineral forms. This research addresses an important component involved in estimating the true contribution of percutaneous exposures to arsenic in soil relative to exposures via ingestion. Our findings suggest that dermal absorption of arsenic

from soil is truly negligible, and that EPA's current default assumption of 3% dermal absorption of arsenic from soils results in significant overestimates of exposure.

Background

Regulatory agencies have relied on dermal absorption data (developed by Wester et al. 1993) for soluble forms of arsenic as the technical basis for specific absorption values that are used to calculate exposure to arsenic in weathered soil (U.S. EPA 2004). These evaluations indicate that percutaneous absorption may contribute significantly to overall exposure to arsenic in soil (U.S. EPA 2001). However, data from biomonitoring studies of human populations exposed to arsenic from environmental sources suggest that percutaneous absorption of arsenic does not contribute significantly relative to other pathways of exposure (i.e., ingestion or inhalation) (Walker and Griffin, 1998). This apparent discrepancy suggests the need for new research using more relevant substrates.

To that end, recent research indicates that the percutaneous absorption of arsenic from soil and other solid environmental media can be different from the absorption of arsenic from solution, or arsenic freshly mixed with soil. Data from research with Rhesus monkeys indicated *in vivo* percutaneous absorption of arsenic from water, or from arsenic in water freshly mixed with soil, ranges from 2.0% to 6.4%, with no statistical difference in absorption across the five-order-of-magnitude concentration range that was tested. Parallel research using human cadaver skin indicated a lower fraction absorbed of 0.76% (Wester et al., 1993). Research conducted on the residue collected from the surface of preserved wood indicated negligible percutaneous absorption of arsenic from this matrix (Wester et al., 2004). Subsequent evaluations indicated that the arsenic present at the surface of treated wood exists in a complexed form with a stable molecular structure (Nico et al., 2004).

The element arsenic is considered to be a metalloid, and occurs naturally in primary minerals that are found in soils, such as the metal-arsenate minerals (Sposito, 1989). It may also occur as arsenopyrite (FeAsS), which is associated with the mining of sulfide ore deposits (Prinz et al., 1978). Also, salts of methanearsenic acid (MA) or cacodylic acid (CA) can occur as a result of past herbicide use (EPRI, 1984), but these salts typically weather in the soil matrix, becoming incorporated into more stable secondary mineral phases (Cances et al., 2005; Fendorf et al., 1997; Kneebone et al., 2002; Ruby et al., 1999).

The solubility of arsenic in soil can vary, depending on the provenance of the soil, the source of the arsenic, and the chemical interaction of arsenic with both primary and secondary minerals present within the soil matrix. The main chemical factor that controls the availability of arsenic in soil is that it can co-precipitate with metal oxides through the process of adsorption, by forming a homogeneous mixed-solid phase with a metal oxide at the host-mineral/soil-solution interface (Sposito, 1989). This process produces a more tightly bound, less available arsenic form. Mineralogical analyses of soils (Drexler, 2005) have shown arsenic to be present with these secondary metal oxide minerals.

Arsenic in solution occurs as an arsenite or arsenate oxyanion in the +3 or +5 oxidation state (Lytle et al. 2004) and it remains in solution until the solubility product for the arsenate species

is exceeded. Of the various forms of arsenic that can exist, dissolved arsenic is expected to have the greatest potential for absorption through skin, whereas mineral forms of arsenic in soil may have much lower absorption potential. A soluble arsenic species freshly mixed with soil may exhibit variable behavior, depending on several soil-specific factors, including arsenic concentration, water content, mixing procedures, organic carbon content, the amount of metal oxides that are available in the soil, the pre-test incubation time, and the binding kinetics (Ruby et al., 1999; Sarkar and Datta, 2004; Yang et al., 2002, 2005; Fendorf et al., 2004; Pouschat and Zagury (2006); Zhang and Selim, 2005).

Despite the understanding that mineral forms of arsenic in soil behave much differently from arsenic in solution or freshly mixed with soil, current guidance from regulatory agencies recommends the use of an absorption fraction of 0.03 for dermal absorption of arsenic from soil (U.S. EPA, 2004), a value based on the early research on soluble arsenic freshly mixed with soil.

The research reported herein expands on prior *in vivo* studies using the Rhesus monkey research model (Wester et al., 1993, 2004), to provide insights into the potential for dermal absorption of arsenic from the more environmentally relevant substrate of soil. Specifically, two soils have been evaluated under two levels of skin hydration. Results from application of the soils are presented, along with findings regarding dermal absorption of arsenic following application in solution.

Methods and Materials

***In vivo* research model:** The *in vivo* model used in this research is discussed in detail in Wester et al. (2004), including dosing procedures and the relevance of the Rhesus monkey model to understanding dermal absorption by humans; therefore, the model is described only in summary fashion herein. Female Rhesus monkeys, approximately 20 years old, were selected for this research. The animals reside within the monkey colony maintained by the University of California, San Francisco, and had not been used in active research for 18 months prior to this effort. No topical doses had been applied to the skin of these animals for more than 4 years. All research protocols were approved by the U.S. Department of Health and Human Services, Office of Laboratory Animal Welfare, and work conducted under the review of the Institutional Animal Care and Use Committee of the University of California, San Francisco. The *in vivo* model used an open-crossover design, in which the abdomens of female Rhesus monkeys are exposed to soil with elevated arsenic concentrations or to arsenic in solution. The crossover design, wherein each individual animal is dosed in each dose group, allow data from each individual monkey can be used as its own “comparison control.” This design provides greater power to observe statistically significant results despite the small sample size dictated by primate research. Before and during the dose applications, the monkeys were maintained on a low-arsenic diet to allow adequate detection of percutaneously absorbed arsenic, which would otherwise be obscured due to normal dietary sources of inorganic arsenic. The low-arsenic diet (Primate Liquidiet from BioServe, Inc.) was provided *ad libitum* for 7 days prior to each dose, continuing through 7 days after dosing. Between dosing trials, the monkeys were maintained on the standard diet of Purina Monkey Chow.

Each topical dose was applied to a pre-measured 100-cm² area of abdominal skin. The dosing area was demarked by “masking” the boundaries with a single layer of Tegaderm™ and then was dosed by spreading the fluid or soil evenly across the dosing area. (Tegaderm™ is a transparent and breathable medical bandage manufactured by 3M Corporation. It is available in sheets that are large enough to cover the entire dosing area, retaining the soil dose in place without an occlusive barrier.) The dosing area was then covered with Tegaderm™, and the abdomen of each monkey wrapped with Spandage Instant Stretch bandage to ensure that the material remained in contact with the skin. To prevent contact with and possible removal of the dosed material, the monkeys were maintained in metabolic restraint chairs for the duration of the 8-hour dosing period. Following the dosing period, the applied doses were removed using a soap and water wash (50:50 v/v soap and water, followed by water, soap and water, and two final water washes), and the animals were returned to metabolism cages. Urine was collected from three days prior to the time of dosing (for characterization of pre-dosing urinary arsenic), during dosing, and through day 7 following dosing.

Monkey urine samples were preserved with nitric acid at the time of collection and shipped to Battelle Pacific Northwest Laboratories in Sequim, Washington for analysis. At Battelle, the urine samples were analyzed for total arsenic by ICP/MS (Method 1638, U.S. EPA, 2002a) with a method detection limit of approximately 0.1 µg/L.

Arsenic absorption is calculated based on urinary excretion of total arsenic, corrected for urinary arsenic excretion fraction determined from intravenous dosing of sodium arsenate heptahydrate. The iv dose (1060 µg arsenic/monkey) was administered as 0.5 mls of a solution of sodium arsenate heptahydrate in dionized water (2120 mg/l arsenic). Implicit in this approach is the assumption that the urinary excretion fraction of the iv dose is applicable to a dermally-absorbed dose. Although this remains an area of uncertainty, research in this laboratory, using radiolabeled arsenic (Wester et al., 1993), suggests that this is a reasonable assumption for assessing the urinary excretion fraction of any absorbed dose of arsenic. For assessing the absorption of arsenic from solution, sodium arsenate was applied at 5 µL/cm² for a total dermal dose of 1,305 or 1,430 µg arsenic for the first and second dosing trials, respectively. The analyses reported herein utilize the pre-existing data (Wester et al., 2004), as well as an additional dermal dosing trial that was conducted with arsenic in solution.

Study substrates: The soils evaluated in this research were surficial soil samples collected from areas known through previous sampling to contain substantial arsenic concentrations (i.e., >1,000 mg As/kg soil). One sample, containing arsenic concentrations of 1,400 mg/kg, was collected adjacent to a pesticide production facility in New York that had historically produced inorganic arsenical pesticides. The other sample, containing arsenic concentrations of 1,230 mg/kg, was collected from a residential area in Denver, Colorado, with a history of application of the herbicide PAX (composed of 25.11% arsenic trioxide and 8.25% lead arsenate), among other potential arsenic sources. The New York pesticide facility sample was collected from the top 6 inches of soil, and the Colorado residential sample was a composite of 40 discrete samples collected from 0–2 inches. Studies of the relative oral bioavailability of arsenic from 14 soils (Roberts et al., 2007), demonstrated these soils to be in the middle or high end of observed relative oral arsenic bioavailability values. Although the factors affecting the release of arsenic from soil would be less aggressive at the skin surface than in the acidic

environment of the gastrointestinal tract, it might be assumed that the soils included in this study can provide representative, or higher end estimates of dermal absorption of arsenic from soil.

The soils were air-dried at $<30^{\circ}\text{C}$, sieved through a 2-mm screen, and then thoroughly mixed. An aliquot of each soil was retained for future reference, and the remainder was sieved to less than $150\ \mu\text{m}$ (U.S. Standard Sieve Mesh No. 100) using a Meinzer Sieve Shaker, Norcross GA (Fisher Scientific). The $150\text{-}\mu\text{m}$ soil fraction was stored in sealed containers at room temperature. Duplicate aliquots of the sieved soils used in the dermal dosing studies were analyzed for arsenic and other metals with digestion in refluxing nitric acid and analysis by inductively coupled plasma mass spectroscopy (ICP-MS; EPA Method 6010B, U.S. EPA, 1997). Additionally, soils were evaluated for arsenic mineralogy by electron microprobe analysis (EMPA) using standard methods (Brattin et al., 2004; Drexler and Brattin, 2007) at the Department of Geological Sciences, University of Colorado, Boulder. The very fine particle size fraction ($<150\ \mu\text{m}$) was selected for study, because the fines are the soil fraction that would be expected to adhere to the surface of the skin, and because the smaller particle size has a larger surface area from which absorption may occur.

The relation between arsenic concentrations in different particle size fractions can be very site specific (SERDP, 2005; U.S. EPA, 1997). For the soils included in this research, arsenic was enriched in the smaller particle size fraction of one soil, but not the other. Specifically, for the New York soil, arsenic concentrations in the $<2\text{-mm}$, $<250\text{-}\mu\text{m}$, and $<150\text{-}\mu\text{m}$ particle size fractions were 1,500 mg/kg, 1,665 mg/kg, and 1,400 mg/kg, respectively, indicating no arsenic enrichment in the smaller fraction. For the Colorado residential soil, arsenic concentrations in the $<250\text{-}\mu\text{m}$ and $<150\text{-}\mu\text{m}$ particle size fractions were 869 mg/kg and 1,230 mg/kg, respectively, suggesting that for this site, the smaller particle size fraction is enriched with regard to arsenic concentrations.

For very fine soil (i.e., silty clay), a loading of $5.4\ \text{mg}/\text{cm}^2$ on skin results in a monolayer of soil at the skin surface (U.S. EPA, 2001). In order not to exceed a monolayer of application, a dermal soil loading of $4\ \text{mg}/\text{cm}^2$ was selected for the study. This soil application load resulted in total doses of $560\ \mu\text{g}$ arsenic and $492\ \mu\text{g}$ arsenic for the New York and Colorado soils, respectively (Table 1). In order to investigate whether arsenic dissolution from soil and/or dermal absorption may be controlled by the hydration level of the skin, each soil was evaluated both wet and dry. In all cases, the soil was applied dry, and spread in an even layer across the exposure area prior to being covered. To study the soils wet, once the soil was spread on the skin, a fine spray mist was used to wet the soil in place. Misting was conducted to add 20% to 30% moisture to the soil, resulting in moist soil but no free water that might run off of the dosing area.

Methodological Changes from Prior Work: The research that forms the basis of current regulatory guidance regarding percutaneous absorption of arsenic (Wester, 1993) was carried out in our laboratories, utilizing the same animal model (i.e., Rhesus monkey), and a similar sample size (i.e. $n=3$ or 4). Sensitivity to absorbed and excreted arsenic was ensured in the 1993 research by use of a radiolabeled arsenic source. A significant change in these more recent

studies, in comparison to Wester 1993, is that the new study design was specifically tailored to evaluate environmental substrates, rather than constructed substrates of soil mixed with radiolabeled arsenic. In order to accomplish this, background exposures to arsenic from the diet were minimized, to allow detection of an absorbed dose. Additional changes implemented in this more recent effort were to use a larger skin surface area, and to use Tegaderm and a stretch bandage as a superior method of retaining the soil in place at the skin surface. Although the nature of primate research constrained the number of animals that could be dosed in these study trials, the research reported herein reflects a study design with fewer methodological limitations than the earlier research, and incorporates more relevant study matrices (i.e., environmental soils rather than soluble arsenic or soluble arsenic freshly mixed with soil).

The values reported herein for percutaneous absorption of arsenic from soluble arsenic during the first dosing trial and the i.v. dosing vary slightly from the values reported in Wester et al. (2004). This difference arises from a slight difference in how the background (i.e., pre-dosing) data were incorporated into the analysis. Specifically, the research reported herein provided data for a sufficient number of specific dosing trials to determine that comparison to background could be conducted on a dose-specific basis, with correction for background levels of arsenic in urine by subtracting out the average of the three background time points on a dosing trial- and monkey-specific basis. For the prior research, such specificity was not substantiated by the more limited data set on urinary arsenic excretion during the pre-dosing time frame, and background data were therefore aggregated across dosing trials. For this study, background excreted arsenic levels were evaluated to determine the best correction for treatment measurement by monkey.

In general, three background measurements were made on each monkey prior to treatment applications, for a total of 23 measurements per monkey. In the first two treatments (intravenous and first trial of soluble arsenic), the monkeys were not consistently fed a low-arsenic diet, as evidenced by the elevated measurements. Further, comparison of the background excretion levels by treatment group using an ANOVA followed by multiple comparison test showed a significant elevation relative to later treatment-group background measurements.

Overall, each monkey's background measurements were not significantly different prior to a specific treatment, but there were significant differences between background measurements for different treatment groups. Due to these differences, measurements of excretion during treatment applications were corrected using the average of the background measurements that preceded each specific treatment.

Results

Details regarding the dosing trials (concentrations in substrates, volume dosed, arsenic mass dose) are provided in Table 1. These soils served as part of a more extensive soil characterization effort (SERDP, 2005), for which other parameters were evaluated. These soil characterization data are presented in Table 2, and arsenic mineralogy is presented in Figure 1. Arsenic mineralogy of the two soils is quite different. The mineralogy analyses indicate that the arsenic in the Colorado residential soil is dominated by arsenic in arsenic oxide phases (87% of the arsenic mass in the sample) and lead arsenate phases (10%), with small amounts present in

iron oxides (1.7%) or manganese oxides (0.3%). For the New York pesticide facility soil, arsenic is present primarily complexed with iron, in the iron-arsenic oxide phase (95% of the arsenic mass in the sample), with some arsenic in iron oxides (4.4%) and manganese oxides (0.5%) phases.¹

Data for the mass of urinary arsenic excreted by the monkeys following intravenous and dermal dosings of soluble arsenic are presented in Tables 3 and 4, respectively. The intravenous dose resulted in $82 \pm 2.4\%$ of the administered arsenic dose being excreted in urine. This finding is consistent with prior research that used more sensitive methods; i.e., evaluating excretion of a radiolabeled dose of arsenic. The average urinary arsenic excretion value of 82% was used to adjust the data from the other dosing trials to account for the fraction of arsenic that might be retained within the body or excreted by other routes.

For the soluble dose, absorption ranged from 0.32% to 4.3% (average of $2.9\% \pm 2.3\%$) in the first dosing trial, and from 1.9 to 16% (average of $6.7\% \pm 7.8\%$) for the second dosing trial for soluble arsenic. Combining all of these measurements provides an estimated absorption for soluble arsenic of $4.8\% \pm 5.5\%$. These data are generally consistent with the earlier report by Wester et al. (1993), which indicated dermal absorption of radiolabeled arsenic of $4.5\% \pm 3.2\%$ for a low dose of soluble arsenic in solution, or $3.2\% \pm 1.9\%$ for a higher dose of arsenic in solution. Of note for the data reported herein, five of the six doses of soluble arsenic that were applied resulted in calculated absorption fractions of 4.3% or less. One monkey demonstrated absorption of 16% of the applied dose. An earlier dosing of this monkey resulted in 4.1% absorption of the applied dose. Thus, the 16% absorption value for this dosing appears to be an outlier of unknown origin.

In contrast, mean estimates of arsenic absorption from soil were 0.5% or less for all soils, and all individual estimates were less than 1% (Table 5). Following application of arsenic-bearing soils to the abdomens of monkeys, urinary arsenic excretion could not be readily distinguished from background. This was true across all five soil dosing trials, including application of the two soils dry, and three trials with wet soil. Figure 2 provides a graphical depiction of the uncorrected 24-hour urinary arsenic excretion for all five soil applications and for the application of soluble arsenic. Included are data for urinary arsenic excretion prior to dosing, on a trial-specific basis. Figure 3 depicts a time course of urinary arsenic excretion for each dosing trial, corrected for background on a trial- and monkey-specific basis. Urinary arsenic excretion peaks within the first 24 hours following application of the soluble arsenic. The mass of arsenic excreted in urine then quickly decreases, returning to near-background levels within 48 to 72 hours, with minimal subsequent excretion. In contrast to the findings for urinary arsenic excretion following application of a soluble dose, none of the soils produced readily visible elevated urinary arsenic excretion at any time point after application. Although application of soluble arsenic resulted in some variability across the six applications (two trials with three

¹ The “iron-arsenic oxide” phase is defined as an iron oxide that contains over 5 wt% arsenic, with the arsenic incorporated into the mineral structure, while “arsenic in iron oxide” is an iron oxide that contains less than 5 wt% arsenic and likely represents arsenic sorbed to soil iron oxide.

monkeys each), none of the soils resulted in urinary arsenic excretion above background across the five dosing trials (total of 15 applications) of soil.

Discussion

Few good animal models exist for understanding the dermal absorption of chemicals by humans. Dermal absorption in primates has been shown to be similar to or somewhat higher than absorption in humans (Wester and Maibach, 1975). The costs and handling considerations associated with primate research constrain the number of animals that can be used. Therefore, the crossover study design, wherein each monkey can serve as its own comparison control, was selected, because it optimizes the potential to observe statistically significant results despite the small sample size. It does, however, necessitate the use of specific statistical approaches that are consistent with the study design. The reader is referred to prior research (Wester et al. 2004) for information on the specific statistical approach employed in the evaluation of these data. Previous research (Wester et al. 2004) has demonstrated that the methodology used in this study provides adequate sensitivity to evaluate dermally absorbed arsenic without using a radiolabeled marker. Maintaining the research animals on a low-arsenic diet prior to dosing and throughout the study period is a critical element of this approach due to the presence of significant background levels of inorganic arsenic in the diet (Schoof 1999; Yost 2004).

Consistent with model limitations discussed in earlier research (Wester et al., 2004), although the results reported herein indicate that the urinary arsenic levels following topical administration of arsenic in weathered soils are not distinguishable from background, the non-zero values for background urinary arsenic excretion, and the variability of the measured background values, impose some limits regarding the sensitivity of the model to detect an absorbed dose. A statistical evaluation using a comparison of means (t-test) for our data indicates that the absorbed dose of arsenic from soils would need to be in the range of 0.02 to 0.22% of the applied dose from soils, at the dosing levels used in this study, for daily arsenic excretion levels to be detectable above background. Thus, while these data suggest that there may not be any dermal absorption of arsenic from weathered soils (i.e., urinary arsenic excretion was not statistically different from background following application of soils), the uncertainty associated with this research model tells us that dermal absorption of arsenic from weathered soils is well below absorption of soluble arsenic. Additionally, estimates of the dermally-absorbed dose of arsenic from soil were six- to ten-fold lower than default estimates recommended by EPA for use in risk assessments (USEPA 2004). These findings are consistent for the two soils studied and are independent of skin hydration levels. These results are also consistent with previous research that showed that absorption of dermally applied arsenic-containing wood was negligible (Wester et al. 2004).

These findings are also consistent with our understanding of the environmental chemistry of arsenic. As described above, arsenic can be present in soils in complexed mineral forms. Even if the arsenic is introduced to the environment in soluble forms, secondary minerals that form during the soil weathering process can alter the form and behavior of arsenic within the soil matrix, causing it to become more stable over time. Secondary mineral formation can vary, depending on the redox conditions, pH, water content, and primary minerals that are present as the soil weathers, and arsenic can co-precipitate with other minerals, resulting in a more tightly bound, less available arsenic form (Sposito, 1989). Mineralogical analyses of soils (Drexler

2005) have shown arsenic to be present with these secondary minerals, as well as in other complexed forms.

This research addresses an important component involved in estimating the true contribution of percutaneous exposures to arsenic in soil relative to exposures via ingestion. Using current default parameters for children's soil ingestion and dermal contact, from EPA's guidance on soil screening levels (U.S. EPA, 2002b), calculations show that dermal exposures to arsenic would contribute a fairly small fraction of exposure to arsenic in soil, and that a majority of exposure would occur via ingestion. Specifically, using the standard default exposure assumptions of a soil ingestion rate of 200 mg/day, relative oral bioavailability of 100%, surface area of 2,800 cm², soil-to-skin adherence factor of 0.2, and assuming 3% dermal absorption for arsenic, exposures via dermal contact for a child would contribute approximately 8% of total exposures to arsenic.

However, recent studies on parameters associated with the soil ingestion pathway suggest that the default parameters may significantly overestimate exposures via ingestion. As the estimates for ingestion become lower, it becomes even more vital that we refine the estimates for dermal contact, or risk assessors could significantly overestimate the contribution of dermal contact to total exposures from arsenic in soil. For example, recent studies on children's soil ingestion rates (Stanek and Calabrese, 2000; Stanek et al., 2001) suggest that central-tendency values are likely to be less than 50 mg/day, and perhaps as low as 24 mg/day (Stanek and Calabrese, 2001), while the 95th percentile is likely in the range of 100 to 125 mg/day. Thus, even an upper bound soil ingestion rate is almost 2-fold lower than the current default of 200 mg/day.

In addition, studies indicate that the relative oral bioavailability of arsenic in weathered soil is typically less than 50% (Freeman et al. 1995, Roberts et al., 2002, 2007, USEPA 2005). Using more refined soil ingestion rates and relative bioavailability assumptions with the current default dermal contact parameters would inappropriately suggest that dermal exposures might contribute roughly one-third of total exposures to arsenic in soil. Using these improved estimates of oral bioavailability, combined with more refined estimates of soil ingestion rates alongside default parameters for dermal contact, could lead to the erroneous conclusion that exposures to arsenic in soil via dermal contact actually exceed exposures via ingestion. In contrast, our findings suggest that dermal absorption of arsenic from soil is truly negligible, and that EPA's current default assumption of 3% dermal absorption of arsenic from soils results in significant overestimates of exposure.

Acknowledgements:

The bulk of the method development and sample research was conducted under funding from the Strategic Environmental Research and Development Program (SERDP Project Number CU-1165), with additional funding provided by FMC Corporation. The authors also express appreciation to Dr. Eric Crecelius at Battelle Memorial Laboratories for his analytical efforts on this project, and to Dr. John Drexler at the University of Colorado for mineralogic evaluation of the soils.

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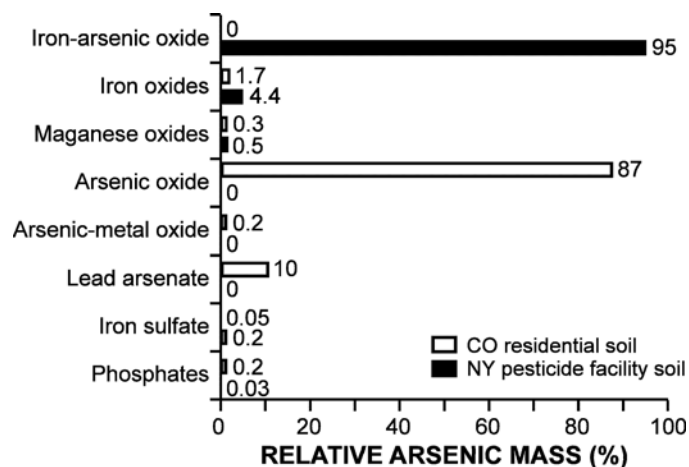


Figure 1. Arsenic mineralogy of soils used in dermal arsenic absorption study

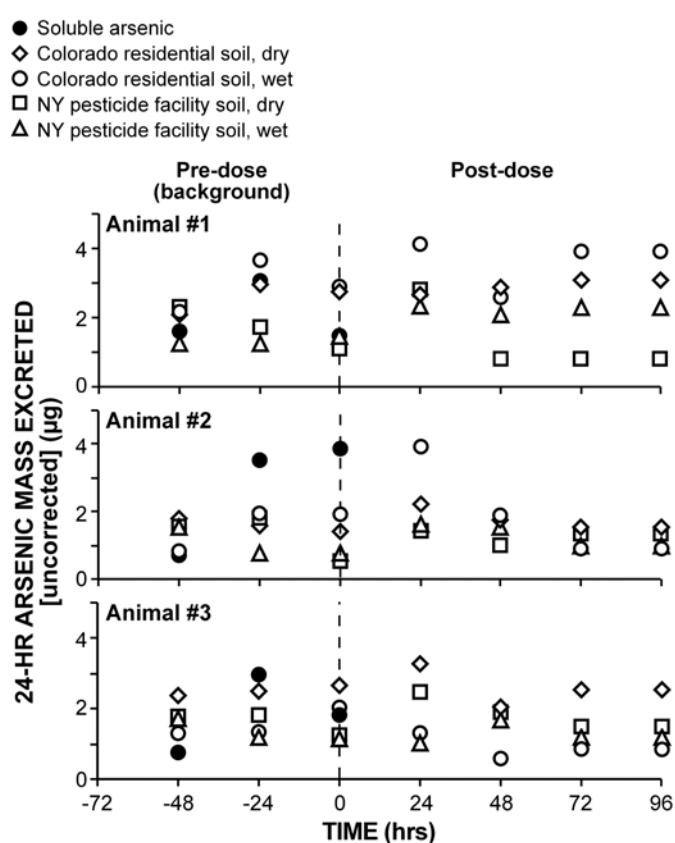


Figure 2. Urinary arsenic mass excreted (uncorrected) in dermal absorption studies. For soluble arsenic, only pre-dose/background values are plotted because the post-dose data for soluble arsenic extends beyond the range of values included on the figures.

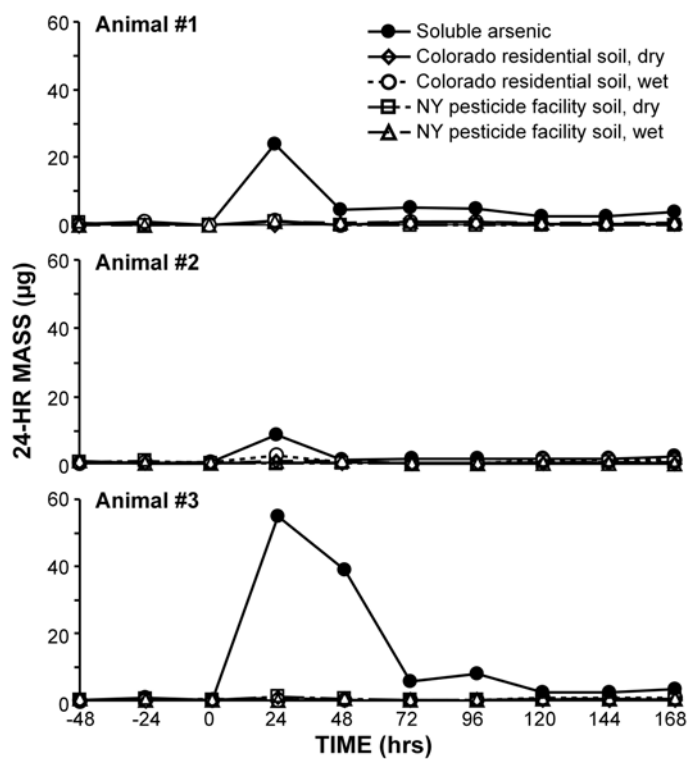


Figure 3. Urinary arsenic mass excretion (corrected) in 24-hour increments

Table 1. Summary of applied arsenic doses for dermal absorption studies

Study		Arsenic Concentration in Dosing Material		Volume of Dosing Material Administered		Arsenic Mass Dosed (μg)	Arsenic Mass per Unit Area ($\mu\text{g}/\text{cm}^2$)
Intravenous ^a	--	2,120	mg/L	0.5	mL	1,060	--
Soluble dose ^a	Trial 1	2,860	mg/L	0.5	mL	1,430	14.3
Soluble dose	Trial 2	2,610	mg/L			1,305	13.1
Soluble dose	average	2,735	mg/L			--	13.7
Colorado residential soil	dry	1,230	$\mu\text{g}/\text{g}$	400	mg	492	4.9
	wet						
New York pesticide facility soil	dry	1,400	$\mu\text{g}/\text{g}$	400	mg	560	5.6
	wet - trial 1						
	wet - trial 2						
	wet - average						

Note: Soils sieved to the <150 μm size fraction.

-- - not available or not applicable

^a Data have been reported previously (Wester et al., 2004). The monkeys for these dose groups in this previous study were not consistently fed a low-arsenic diet (see text for more detail).

Table 2. Soil characteristics for dermal absorption study

Chemical	Units	Colorado Residential Soil ^a	New York Pesticide Facility Soil
Conventionals			
pH	s.u.	5.33 ^b	5.48 ^c
Total organic carbon	%	2.76 ^b	4.51 ^c
Arsenic	mg/kg	1,230	1,400 ^c
Other Metals			
Antimony	mg/kg	10.0 ^b	10 ^U
Beryllium	mg/kg	1.0 ^{U^b}	1.0 ^U
Cadmium	mg/kg	5.0 ^b	1.7
Chromium	mg/kg	51.8	16.7 ^c
Copper	mg/kg	30.4 ^b	61.2 ^c
Iron	mg/kg	13,650	16,000 ^c
Lead	mg/kg	469 ^b	387 ^c
Manganese	mg/kg	--	653 ^c
Mercury	mg/kg	0.80 ^b	0.44
Nickel	mg/kg	11.2 ^b	13.7
Selenium	mg/kg	2.5 ^{U^b}	1.9
Silver	mg/kg	2.0 ^{U^b}	2.0 ^U
Thallium	mg/kg	10.0 ^{U^b}	1.0 ^U
Zinc	mg/kg	314 ^b	244
Note: -- - not analyzed			
U - undetected; value represents detection or reporting limit			

^a Soil obtained from Syracuse Research Corp.

^b Results for this parameter for the Colorado Residential Soil were obtained from a sample sieved to <250 μm .

^c Average of replicates.

Table 3. Urinary arsenic excretion following application of intravenous arsenic dose

	24-Hr Mass Excreted	
	(μg)	Corrected ^a (μg)
Animal #1		
Background		
96–120 hr	5.14	0
48–72 hr	8.64	1.68
0–24 hr	7.10	0.14
0–24 hr	767 ^b	760
24–48 hr	65.9	58.9
48–72 hr	19.5 ^d	12.6
72–96 hr	19.5 ^d	12.6
Total arsenic mass excreted (0–96 hrs):		844
Percent excretion (0–96 hrs):		80% ^d
Animal #2		
Background		
96–120 hr	5.16	0
48–72 hr	7.26	1.61
0–24 hr	4.54	0
0–24 hr	762 ^b	756
24–48 hr	80.4	74.8
48–72 hr	24.6 ^c	18.9
72–96 hr	24.6 ^c	18.9
Total arsenic mass excreted (0–96 hrs):		869
Percent excretion (0–96 hrs):		82% ^d
Animal #3		
Background		
96–120 hr	2.25	0
48–72 hr	2.91	0.066
0–24 hr	3.38	0.53
0–24 hr	706 ^b	703
24–48 hr	124	121
48–72 hr	38.7 ^c	35.8
72–96 hr	38.7 ^c	35.8
Total arsenic mass excreted (0–96 hrs):		895
Percent excretion (0–96 hrs):		84% ^d

Note: Data have been reported previously (Wester et al., 2004).

^a Corrected mass calculated by subtracting average of the background arsenic masses by monkey and by dose. If corrected mass is calculated less than zero, corrected mass is set to zero.

^b Sum of (0–8 hr), cage wash, and (8–24 hr). Cage wash concentration is calculated using cage wash concentrations minus wash water concentration [iv-dosed monkeys did not use the metabolic chair, and the cage wash was collected from below the cages after collection of the (0–8 hr) sample.]

^c 24-hour mass excreted is estimated as one-half of 48–96 hr sample mass.

^d Percent excretion calculated using intravenous dose of 1,060 μg .

Table 4. Urinary arsenic excretion following application of arsenic in soluble dose

	Trial 1		Trial 2	
	24-hr Mass Excreted		24-hr Mass Excreted	
	(μg)	Corrected ^a (μg)	(μg)	Corrected ^a (μg)
Animal #1				
Background				
48–72 hr	--	--	1.57	0.24
24–48 hr	5.07	1.75	1.01	0
0–24 hr	1.56	0	1.40	0.073
0–24 hr	41.6 ^b	38.3	11.0 ^b	9.72
24–48 hr	7.22	3.90	6.81	5.48
48–72 hr	8.08	4.76	7.13 ^c	5.80
72–96 hr	7.21	3.90	7.13 ^c	5.80
Total arsenic mass excreted (0–96 hrs):		50.8		26.8
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		62.0 ^d		32.7 ^d
Percent absorption (0–96 hrs):		4.3% ^e		2.5% ^f
Animal #2				
Background				
48–72 hr	--	--	0.688	0.044
24–48 hr	6.30	0	0.675	0.032
0–24 hr	7.08	0.39	0.567	0
0–24 hr	10.2 ^b	3.53	13.9 ^b	13.2
24–48 hr	6.96	0.27	2.25	1.61
48–72 hr	5.32	0	3.22 ^c	2.58
72–96 hr	6.53	0	3.22 ^c	2.58
Total arsenic mass excreted (0–96 hrs):		3.80		20.0
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		4.63 ^d		24.4 ^d
Percent absorption (0–96 hrs):		0.32% ^e		1.9% ^f
Animal #3				
Background				
48–72 hr	5.20	1.07	0.726	0.062
24–48 hr	3.07	0	0.703	0.039
0–24 hr	30.3 ^b	26.2	0.563	0
0–24 hr	21.0	16.8	84.5 ^b	83.9
24–48 hr	4.52	0.38	61.9	61.2
48–72 hr	9.16	5.03	11.7 ^c	11.0
Total arsenic mass excreted (0–96 hrs):		48.5		167
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		59.1 ^d		204 ^d
Percent absorption (0–96 hrs):		4.1% ^e		16% ^f

Note: -- - not analyzed

Trial 1 data presented in this table have been reported previously (Wester et al., 2004).

^a Corrected mass calculated by subtracting average of the background arsenic masses by monkey and by dose. If corrected mass is calculated less than zero, corrected mass is set to zero.

^b Sum of (0–8 hr), pan wash, and (8–24 hr). Pan wash concentration is calculated using pan wash concentration minus "water for pan wash" or "blank sample" concentration for this experiment.

^c 24-hour mass excreted is estimated as one-half of 48–96 hr sample mass.

^d Calculated by correcting excreted mass for fractional excretion of arsenic from IV dose (i.e., 0.82 or 82%).

^e Percent absorption calculated using soluble applied dose mass of 1,430 μg .

^f Percent absorption calculated using soluble applied dose mass of 1,305 μg .

Table 5. Urinary arsenic excretion following application of arsenic-containing soil: Colorado residential soil

	Dry		Wet	
	24-hr Mass Excreted		24-hr Mass Excreted	
	(μg)	Corrected ^a (μg)	(μg)	Corrected ^a (μg)
Animal #1				
Background				
48–72 hr	2.10	0	2.10	0
24–48 hr	2.96	0.36	3.66	0.81
0–24 hr	2.76	0.15	2.77	0
0–24 hr	2.68 ^b	0.075	4.11 ^b	1.27
24–48 hr	2.89	0.28	2.62	0
48–72 hr	3.10 ^c	0.49	3.92 ^c	1.08
72–96 hr	3.10 ^c	0.49	3.92 ^c	1.08
Total arsenic mass excreted (0–96 hrs):		1.34		3.42
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		1.63 ^d		4.17 ^d
Percent absorption (0–96 hrs):		0.33% ^e		0.85% ^e
Animal #2				
Background				
48–72 hr	1.81	0.22	0.79	0
24–48 hr	1.56	0	1.93	0.39
0–24 hr	1.41	0	1.90	0.37
0–24 hr	2.21 ^b	0.61	3.91 ^b	2.37
24–48 hr	1.73	0.14	1.78	0.24
48–72 hr	1.54 ^c	0	0.90 ^c	0
72–96 hr	1.54 ^c	0	0.90 ^c	0
Total arsenic mass excreted (0–96 hrs):		0.75		2.62
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		0.92 ^d		3.19 ^d
Percent absorption (0–96 hrs):		0.19% ^e		0.65% ^e
Animal #3				
Background				
48–72 hr	2.37	0	1.29	0
24–48 hr	2.48	0	1.35	0
0–24 hr	2.66	0.16	2.01	0.46
0–24 hr	3.28 ^b	0.78	1.32 ^b	0
24–48 hr	2.06	0	0.59	0
48–72 hr	2.53 ^c	0.029	0.84 ^c	0
72–96 hr	2.53 ^c	0.029	0.84 ^c	0
Total arsenic mass excreted (0–96 hrs):		0.84		0
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		1.02 ^d		0 ^d
Percent absorption (0–96 hrs):		0.21% ^e		0% ^e

Note: -- - not available or not applicable

^a Corrected mass calculated by subtracting average of the background arsenic masses by monkey and by dose. If corrected mass is calculated less than zero, corrected mass is set to zero.

^b Sum of (0–8 hr), pan wash, and (8–24 hr).

^c 24-hour mass excreted is estimated as one-half of 48–96 hr sample mass.

^d Calculated by correcting excreted mass for fractional excretion of arsenic from IV dose (i.e., by dividing by 0.82 or 82%).

^e Percent absorption calculated using applied dose mass of 492 μg .

Table 6. Urinary arsenic excretion following application of arsenic-containing soil: New York pesticide facility

	Dry		Wet, Trial 1		Wet, Trial 2	
	24-hr Mass Excreted		24-hr Mass Excreted		24-hr Mass Excreted	
	(μg)	Corrected ^a (μg)	(μg)	Corrected ^a (μg)	(μg)	Corrected ^a (μg)
Animal #1						
Background						
48–72 hr	2.29	0.60	1.31	0.20	1.20	0
24–48 hr	1.70	0.012	0.91	0	1.54	0.034
0–24 hr	1.07	0	1.10	0	1.78	0.27
0–24 hr	2.80 ^b	1.12	2.28 ^c	1.17	2.36 ^c	0.85
24–48 hr	0.80	0	1.84	0.73	2.31	0.80
48–72 hr	0.78 ^d	0	1.85 ^d	0.74	2.75 ^d	1.24
72–96 hr	0.78 ^d	0	1.85 ^d	0.74	2.75 ^d	1.24
Total arsenic mass excreted (0–96 hrs):		1.12		3.39		4.13
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		1.36 ^e		4.13 ^e		5.03 ^e
Percent absorption (0–96 hrs):		0.24% ^f		0.74% ^f		0.90% ^f
Animal #2						
Background						
48–72 hr	1.53	0.25	0.778	0.073	2.27	0.93
24–48 hr	1.81	0.53	0.577	0	0.963	0
0–24 hr	0.505	0	0.759	0.054	0.785	0
0–24 hr	1.42 ^b	0.14	1.45 ^c	0.75	1.83 ^c	0.49
24–48 hr	0.97	0	1.31	0.61	1.73	0.39
48–72 hr	1.30 ^d	0.023	0.874 ^d	0.17	1.10 ^d	0
72–96 hr	1.30 ^d	0.023	0.874 ^d	0.17	1.10 ^d	0
Total arsenic mass excreted (0–96 hrs):		0.19		1.70		0.88
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		0.23 ^e		2.07 ^e		1.07 ^e
Percent absorption (0–96 hrs):		0.04% ^f		0.37% ^f		0.19% ^f
Animal #3						
Background						
48–72 hr	1.75	0.16	0.985	0	2.47	0.82
24–48 hr	1.80	0.20	1.11	0.048	1.25	0
0–24 hr	1.23	0	1.09	0.027	1.24	0
0–24 hr	2.46 ^b	0.86	1.09 ^c	0.034	0.94 ^c	0
24–48 hr	1.88	0.29	1.28	0.22	2.08	0.43
48–72 hr	1.46 ^d	0	0.924 ^d	0	1.46 ^d	0
72–96 hr	1.46 ^d	0	0.924 ^d	0	1.46 ^d	0
Total arsenic mass excreted (0–96 hrs):		1.15		0.25		0.43
Total arsenic mass excreted with urinary arsenic excretion fraction correction (0–96 hrs):		1.41 ^e		0.30 ^e		0.53 ^e
Percent absorption (0–96 hrs):		0.25% ^f		0.05% ^f		0.09% ^f

Note: -- - not available or not applicable

^a Corrected mass calculated by subtracting average of the background arsenic masses by monkey and by dose. If corrected mass is calculated less than zero, corrected mass is set to zero.

^b Sum of (0–8 hr), pan wash, (8–24 hr), and cage wash (8–24 hr).

^c Sum of (0–8 hr), pan wash, and (8–24 hr).

^d 24-hour mass excreted is estimated as one-half of 48–96 hr sample mass.

^e Calculated by correcting excreted mass for fractional excretion of arsenic from IV dose (i.e., by dividing by 0.82 or 82%).

^f Percent absorption calculated using applied dose mass of 560 μg .

Table 7. Summary of percent absorption of arsenic

Study		Percent Absorption (0–96 hrs)		
		Average ± S.D.		
Intravenous	--	82%	±	2.4%
Soluble dose	Trial 1	2.9%	±	2.3%
Soluble dose	Trial 2	6.7%	±	7.8%
Soluble dose	average	4.8%	±	5.5%
Colorado residential soil	dry	0.24%	±	0.08%
	wet	0.50%	±	0.44%
New York pesticide facility soil	dry	0.18%	±	0.12%
	wet - trial 1	0.39%	±	0.34%
	wet - trial 2	0.39%	±	0.44%
	wet - average	0.39%	±	0.35%

Note: Soils sieved to the <150 μm size fraction.