U.S. Department of Energy/Placer County Biomass Utilization Pilot Project
DE-FG36-08GO88026
Phase II Report

Final Report
Analysis of Public Health Risks Associated with Operation of a Biomass Power Plant

Lake Tahoe Region, California

September 07, 2011

Prepared for:

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SUMMARY

As a part of its U.S. Department of Energy (DOE) grant Placer County retained Air Permitting Specialists to analyze public health risks associated with a proposed biomass to energy project to be located at a site in Placer County. The proposed project would use renewable, non-hazardous biomass as fuel to generate approximate 2 megawatts (MW) of electricity. This report clearly shows that operation of the proposed power plant would not result in a significant public health risk at either possible location.

The biomass may be combusted to generate steam or gasified for use in an internal combustion engine.

Two locations were evaluated:

1. Kings Beach – (North of Speckled Street near Deer Street)

2. Eastern Regional Landfill (ERL) – (West of Highway 89, on Cabin Creek Road)

The primary objective of this risk analysis was to quantify public health risks from exposure to any toxic air pollutants that may be released from the biomass to energy conversion process. The secondary objective of the analysis is to assess the contribution to public health risks from ancillary equipment such as trucks, loaders and other equipment at each project location.

Public health risks include all of the following:

- Cancer risks from exposure to any carcinogens that may be released;

- Chronic non-cancer health risks;

- Acute non-cancer health risks.

These risks were calculated using a three step procedure:

1. Calculate future emissions of toxic air contaminants (TACs)

2. Calculate the concentration of the TACs in the vicinity of the project site using an air dispersion model supplemented with local meteorological data, such as wind speed, wind direction, etc.

3. Calculate risk on the basis of the toxicity of each TAC and its local concentration. Risk equals local concentration times its toxicity factor.

Specific results are summarized below and discussed in detail in this report.

	Location			
Risk	**Kings Beach**	**ERL (Cabin Creek Road)**	**Significant Risk Threshold[1]**	**Project Risk Significant?**
Maximum Residential Cancer Risk *(per million)*	Total = 6.6 [From power plant = 5.4 From equipment = 1.2]	Total = 2.4 [From power plant = 2.01 From equipment = 0.39]	10 in a million (1×10^{-6})	**No**
Chronic Hazard Index	0.037	0.0082	1.0	**No**
Acute Hazard Index	0.05	0.105	1.0	**No**

The results show that health risk at the King's Beach location is higher because the prevailing wind direction blows from the South and concentrates in the North where terrain patterns aligns with the prevailing wind direction. This phenomenon does not occur at the ERL location. Another factor that favors the ERL location is that there are no restrictions on the stack height. The use of a taller stack at the ERL location would further reduce public health risks beyond levels presented in this report.

For reasons explained later in this report, operation of the proposed power plant at either location would not lead to a significant public health risk. These findings are based on an analysis that contained many conservative assumptions such as extrapolation of toxicity data from animal studies, duration of exposure, the annual emission rates of toxic air contaminants (TACs) and the ambient concentration of individual toxic air pollutants. For example, the current analysis assumes that an individual would remain stationary at the same location for 70 years.

As a result of these conservative assumptions, the potential public health risks are likely to be significantly overstated in this analysis. The use of conservative assumptions provides us with a greater confidence that the proposed project would not lead to significant public risks. The use of conservative assumptions in determining the toxicity of individual toxic compounds is noted by the USEPA[2] in their 1989 report as follows:

"These (toxicity) values are upper bound estimates of excess cancer potentially arising from lifetime exposure to the chemical in question. A number of assumptions have been made in the derivation of these values, many of which are likely to be overestimate exposure and toxicity. The actual incidence of cancer is likely to be lower than these estimates and may be zero."

[1] CARB (1993) Risk Management Guidelines for New and Modified Sources of Toxic Air Pollutants, June 1993. Available at: http://www.arb.ca.gov/diesel/documents/rmg793.pdf

[2] USEPA (1989) *Risk Assessment Guidance for Superfund: Volume 1 – Human Health Evaluation Manual (Part A).* Washington, D.C. December 1989.

1. INTRODUCTION

Placer County retained Air Permitting Specialists to analyze public health risks associated with the proposed biomass to energy project at two locations in the Lake Tahoe region of Placer County. This report assists in determining the effects of subtask 1.3 of the DOE award No. DE-FG36-08GO88026; Phase II Project Objectives. This subtask provides data to partially determine the Air Quality Impact Assessment. Other analyses being performed under the environmental assessment will fully determine the results for each project site and be included in the findings of those reports. The proposed project would use renewal, non-hazardous biomass as fuel to generate up to 2 megawatts (MW) of electricity. The biomass may be combusted to generate steam or gasified to produce synthetic gas for use in an internal combustion engine.

Two locations were evaluated, as shown in Figure 1:

- Kings Beach – (North of Speckled Street near Deer Street)
- Eastern Regional Landfill– (West of Highway 89, on Cabin Creek Road)

The proposed project would use one of two biomass to energy conversion technologies:

1. Direct combustion to produce steam that will drive a turbine/electric generator; or
2. Gasification followed by combustion of the synthetic gas in an internal combustion engine coupled to an electric generator.

The objective of this risk analysis was to quantify public health risks from exposure to any toxic air pollutants that may be released from the biomass to either energy conversion process. Public health risks mean:

- Cancer risks from exposure to any carcinogens that may be released. This is presented in terms of a numerical probability, such as one in a million (1×10^{-6}).
- Chronic non-cancer health risks. This is presented as a numerical value greater than 0.
- Acute non-cancer health risks. This is also presented as a numerical value greater than 0.

This report is divided into six sections. Immediately following this Introduction, Section 2 summarizes the emissions of TACs from the biomass unit and other equipment. Section 3 discusses the dispersion modeling of emissions. Section 4 describes how the cancer and non-cancer risk is calculated. The report concludes with Sections 5 and 6 that discuss the results and conclusions respectively. Technical data and model output are provided in the Appendix.

2. ESTIMATE OF EMISSIONS

The conversion of biomass into energy can be accomplished using several different types of technologies. The most common method is to burn the fuel in a refractory lined furnace where it is dried and then combusted. This approach allows the use of fuel with high moisture content. An alternate approach is to gasify the biomass using pyrolysis and then combust the gas in an internal combustion engine or gas turbine. Emissions from these two processes are discussed in this section.

2.1 Emissions from Biomass Combustion

Biomass would be fed into a 38 mmbtu/hr combustor equipped with fabric filters to control particulate emissions. The combustion process would release a variety of toxic air contaminants, such as, polycyclic aromatic hydrocarbons, benzene and nickel. Majority of these pollutants are released as particulate and therefore would be captured by fabric filters.

Recently, source tests were conducted at a larger biomass boiler in Lincoln[3] (Placer County). Since this boiler uses the same technology as one of the technologies (i.e. direct combustion to produce steam) that is proposed for the current project, test results from this boiler were used to quantify future emissions and used to assess public health risks. A summary of the data from the March 2008 source tests is provided in Appendix 1. Since these data are for a 289 mmbtu/hr combustor, the results were pro-rated on the basis of combustor heat input as follows:

$$\text{Hourly Emission Rate of a TAC} = \frac{\text{Measured Emission Rate (lbs/hr)} \times 38 \text{ mmbtu/hr}}{289 \text{ mmbtu/hr}}$$

Annual Emission Rate = lbs/hr x 8,760 hrs/yr

For example,

The emission rate of formaldehyde (lbs/hr) $= 2.90 \times 10^{-2} \times 38/289 = 0.00382$ lbs/hr

(lbs/yr) $= 0.00382 \times 8{,}760$ hrs/yr $= 33.5$ lbs/yr

Annual and hourly emission rates used in the current analysis are presented in Table 1.

2.1 Emissions from Biomass Gasification

One alternative to the direct combustion of biomass, is to heat the biomass in the absence of oxygen. Gases generated from this process are extracted and used as fuel in an internal combustion engine. Heat for gasification is provided by a separate process, such as from a natural gas fired heater.

[3] SPI (2008) *Source Test Report, 2008 Toxic Air Contaminants Tests, Sierra Pacific Industries McBurney Boiler, Lincoln*, CA May 30, 2008.

The gas produced from this process contains hydrogen and methane. This gas, called, synthetic gas, can be used as fuel with a variety of equipment such as turbines or internal combustion engines.

One advantage of gasification is that during the heating process tars and other complex organic molecules are broken down into simpler, smaller chain molecules. This avoids the environmental problems associated with the combustion of tars and resins that are present in biomass. As a result, gasification offers some environmental benefits over combustion since many of the tars and resins are not combusted.

The combustion of synthetic gas produced from gasification in an Internal Combustion (IC) engine is inherently cleaner since it avoids the emission by-products associated with combustion of biomass. However, this new technology is in the development stages and is currently undergoing emissions testing. As a result, there are no emission data on the types and amounts of TACs that would be released. Therefore, while it is expected that use of gasification would reduce the emissions of TACs, the exact level of reduction is currently unknown.

Recently, a biomass gasification/IC engine system was permitting[4] in Los Banos by the San Joaquin Valley Air Pollution Control District (SJVAPCD). We reviewed the engineering evaluation to assess what emission factors were used to estimate the emission rates of TACs. SJVAPCD staff had used emission factors for digester gas combustion in an IC engine. The digester gas is normally generated at a wastewater treatment plant.

In discussions with District staff[5], they indicate that use of biogas combustion emission factors would underestimate TAC emissions since the gasification process would release some particulate matter. The particulate matter would contain toxic compounds that would not be present in digester gas from a wastewater treatment plant. As a result, use of biogas emission factors would understate public health risks. SJVAPCD staff recommended that until this technology has undergone some testing, future risks analysis should be based on data for biomass combustion.

Therefore, for the purposes of this study, the public health risk from gasification has assumed to be the same as those associated with combustion of biomass. This approach overstates the public risk, however, the level of overstatement of risk is unknown at this time and will be refined in the future.

[4] SJVAPCD (2008) *Authority to Construct Permit Review, Parreira Almond Processing*, Los Banos, CA. November 20, 2008.
[5] Personal communications with Frank DeMaris and Leland Vilalvazo, SJVAPCD, Central Region (July 13, 2011).

3. Dispersion Modeling of Emissions

Public health risks are related to the dosage of a particular toxic air contaminant received by the human body. The dominant exposure pathway is inhalation, however, small quantities of the toxic pollutants enter the body via ingestion and dermal exposure. Since the emissions from biomass power plant will be released into the atmosphere, the starting point in calculating dosage is to determine the concentration of each TAC in the air. This is done by the use of an air dispersion model.

Four main steps are involved in conducting the dispersion modeling:

1. Model Selection
2. Selection of meteorological and land-use data
3. Selection of modeling grid
4. Choice of modeling options, including source geometry.

These steps are discussed in this section.

3.1 Model Selection

The current project used the industrial source complex model (ISCST Version 02035) to translate emission rates (of TACs) into their concentrations. This model has been developed under the sponsorship of the EPA and was a recommended guideline model that can be used to demonstrate compliance with air quality standards. ISCST3 is also incorporated into the HARP risk model[6]. While more sophisticated dispersion models have been developed in the last few years (AERMOD and CALPUFF), these models require substantial amount of additional data that was not available for this project. Therefore, the ISCST3 model was used in the current analysis.

3.2 Selection of Meteorological Data

For the Eastern Regional Landfill site, we used one year of surface hourly meteorological data from Truckee Airport and upper air data from Reno, NV. The data were obtained from World Geo Data who did the pre-processing and provided a model-ready data file. Truckee airport is 3.75 miles East of the project site.

We considered using national weather service MM5 meteorological data that is based on interpolation of data from all weather stations within 50 miles. Such data would be prepared for the project location, however, in discussions with meteorologists at World Geo Data, the Truckee

[6] Hotspots Analysis and Reporting Program (HARP) implements the Air Toxics Hot Spots Program Guidance for the preparation of Health Risk Assessments. December 2003.

airport data was considered to be spatially and temporally more representative of conditions at the ERL project location. Figure 2 shows the annual variation of wind speed and direction for the meteorological data.

For the Kings Beach location, data collected at Kings Beach were used. The data for 2002 was provided by Placer County APCD. Since this data was not complete, data gaps were filled by assuming that a missing hour of data was the same as the previous hour. Approximately 100 hours were missing from the Kings Beach meteorological data. Since the meteorological data for Truckee and Kings Beach are for different years, one cannot use the Truckee data to fill in data gaps in the Kings Beach data. Figure 2 shows the annual variation of wind speed and direction for the Kings Beach data. These results show that the wind patterns at the two project site differ substantially in terms of prevailing direction and annual wind speed.

3.3 Selection of Modeling Grid

A rectangular grid 7.4 km x 7.4 km was used at the Eastern Regional Landfill location. A 75 meter spacing was used for a total of 5,625 individual receptors. For Kings Beach, a 2 km x 2 km grid with a 100 meter spacing was used for a total of 400 receptors. Figure 3 illustrates the layout of the modeling grid at each location.

3.4 Model Options and Source Geometry

The following model options were used in the dispersion modeling analysis. They reflect the local topography and land-use as well as regulatory option required to demonstrate compliance with air quality standards.

Land-Use (Urban/Rural):	Rural
Complex Terrain Option:	Complex Terrain Used
Regulatory Default Option:	Option Used

Emissions from the biomass plant were modeled as a single 20 foot stack. We note that while there are stack height restrictions in King's Beach, there are no restrictions at the ERL location. Therefore, a taller stack could be used at the ERL location. This would further reduce public health risks beyond levels presented in this report. The locations of emission sources are shown in Figure 3.

4. RISK ANALYSIS

The emissions data presented in Section 2 along with dispersion modeling results discussed in Section 3 were used to calculate pollutant dosage and health risks. The HARP model was used to calculate risk at each receptor location. In addition to incorporating pollutant toxicity data, this model incorporates various exposure pathways such as inhalation, dermal exposure, soil ingestion, mother's milk, etc.

The following pathways were enabled in the current analysis:

The HARP model yields the contribution from each pathway for each receptor. The overall results are tabulated in one of several HARP reports.

Several types of reports are generated by the HARP risk model:

- Listing of risk by receptor and exposure pathway
- Ranking of risk by receptor
- Contribution to risk by pollutant at a given receptor
- Contribution to risk by source at a given receptor

Excerpts of these reports are provided in the Appendix.

5.0 RESULTS

The results of the risk analysis are summarized below.

		Location			
Risk	**Location**	**Kings Beach**	**ERL (Cabin Creek Road)**	**Significance Threshold**	**Project Risk Significant?**
70 Year Residential Cancer Risk *(per million)*	Maximum Exposed Individual MEI	Total = 6.6 [5.4 from power plant 1.2 from equipment]	Total = 2.4 [2.01 from power plant 0.39 from equipment]	10	**No**
	Nearest Homes	0.1 to 2.0	Less than 1	10	**No**
40 Year Worker Cancer Risk	Various	Less than 1	Less than 0.5	10	**No**
Chronic Non-Cancer Risk	MEI	0.037	0.0082	1.0	**No**
Acute Hazard Index	MEI	0.05	0.105	1.0	**No**

The spatial variation of cancer risk is presented in Figures 4 and 5 for the Truckee and Kings Beach locations respectively. The risk plots demonstrate that the cancer risk at nearby homes varies between 0.5 and 2 cancers per million. The cancer risks must be viewed within the context of assumptions related to exposure. For example, residential cancer risks assume continuous 70 years of exposure even though the life of the plant is estimated to be 40 years.

To place these project risks into perspective, the following are typical risks associated various in the environment:

Location	Cancer Risk
Risk Near Freeways	300 to 1,700 within 300 feet of a freeway
Near Dry Cleaners Using Perc	15 to 150 within 500 feet
Next to Distribution Centers	Up to 500
Next to Railyards	10 to 500 within 0.5 mile
Large Gas Stations	Less than 10 to 120
Ref: Air Quality and Land Use Handbook: A Community Health Perspective. Table 1-5, California EPA, CARB April 2005.	

6.0 CONCLUSIONS

Operation of the proposed biomass to energy located at the Eastern Regional Landfill or at Kings Beach would not lead to significant public health risks. Quantitative results presented in this report demonstrate that release of toxic air contaminants from combustion or pyrolysis of biomass would not lead to significant public health risks.

The range of conservative assumptions related to duration of exposure, emission rates and extrapolation of toxicity data from animal studies were used in the current analysis. Collectively, these assumptions would overstate actual health risks by several orders of magnitude. Thus the maximum risk value of 2.4 cancers/million calculated in this study represents an upper limit or a ceiling of possible risk. The location of this maximum risk is identified in Figures 4 and 5. It does not represent the cancer risk that an individual resident would face.

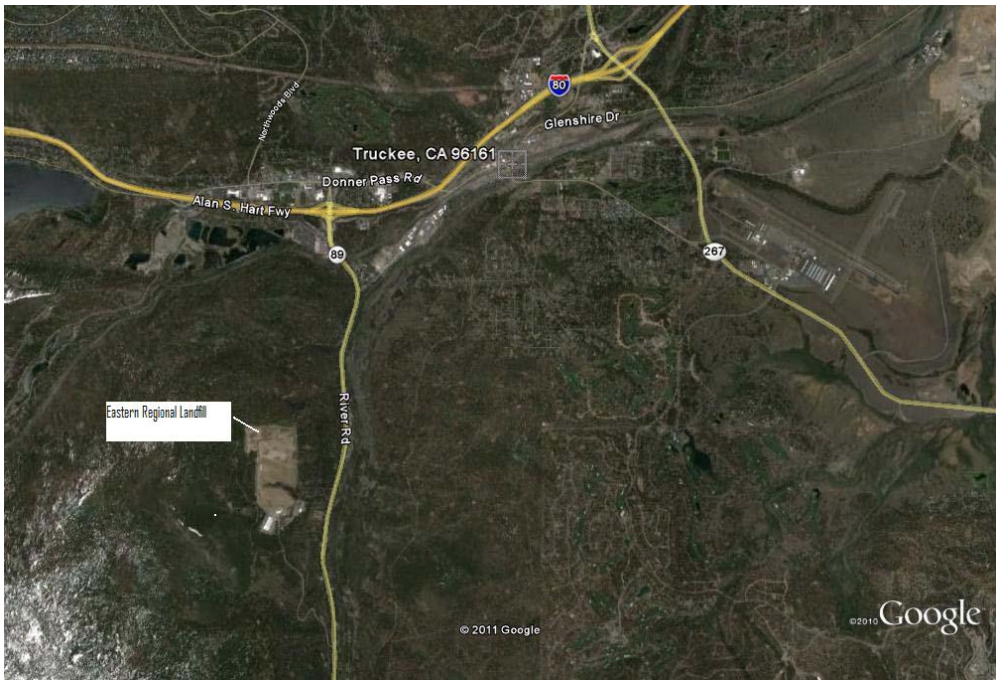
The use of conservative assumptions in determining the toxicity of individual toxic compounds is noted by the USEPA[7] in their 1989 report as follows:

"These (toxicity) values are upper bound estimates of excess cancer potentially arising from lifetime exposure to the chemical in question. A number of assumptions have been made in the derivation of these values, many of which are likely to be overestimate exposure and toxicity. The actual incidence of cancer is likely to be lower than these estimates and may be zero."

[7] USEPA (1989) *Risk Assessment Guidance for Superfund: Volume 1 – Human Health Evaluation Manual (Part A).* Washington, D.C. December 1989.

FIGURES

Figure 1
Potential Project Locations



Eastern Regional Landfill

Kings Beach Location

Figure 2a
Wind Rose for Truckee

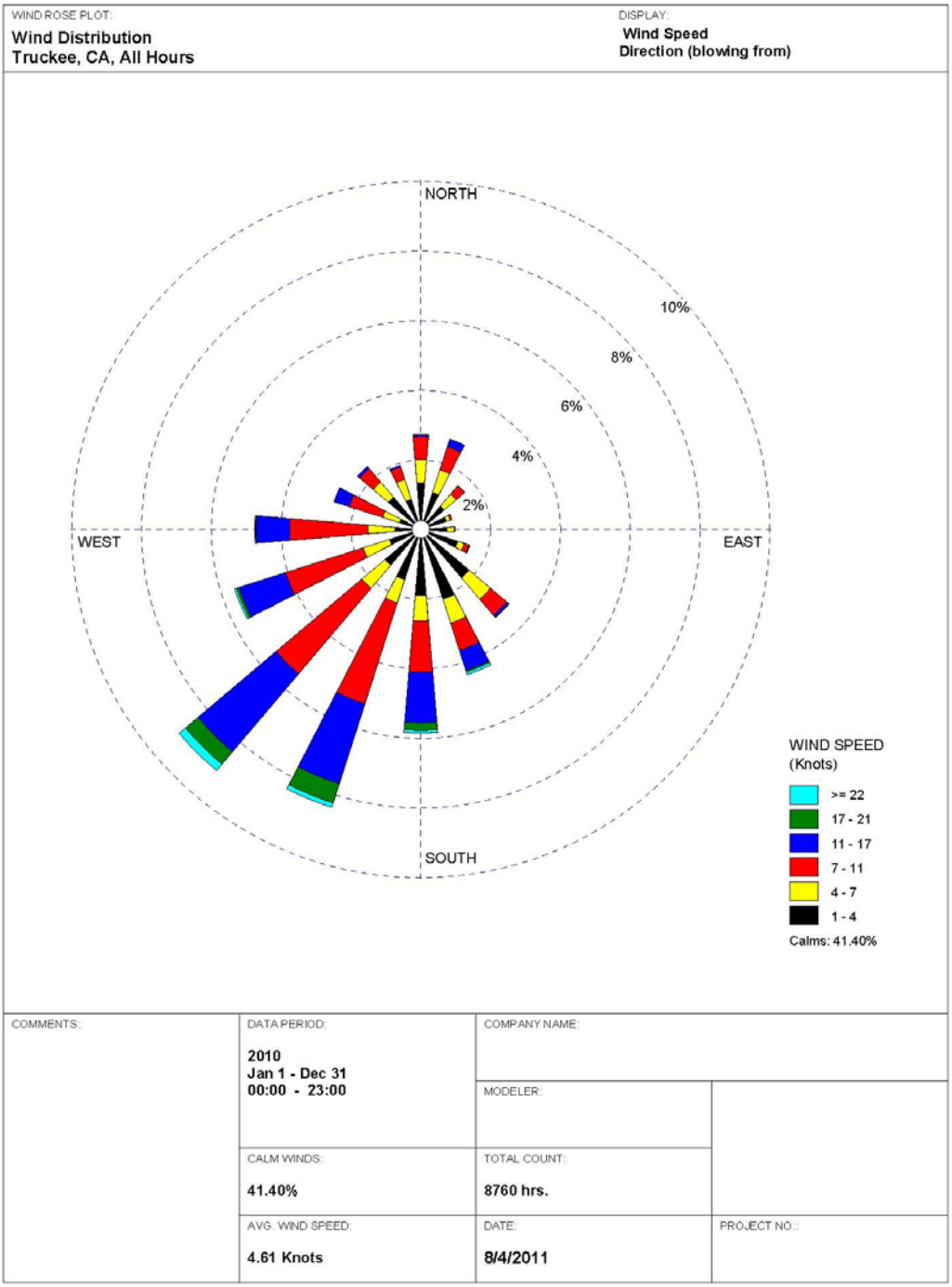


Figure 2b
Wind Rose for Kings Beach

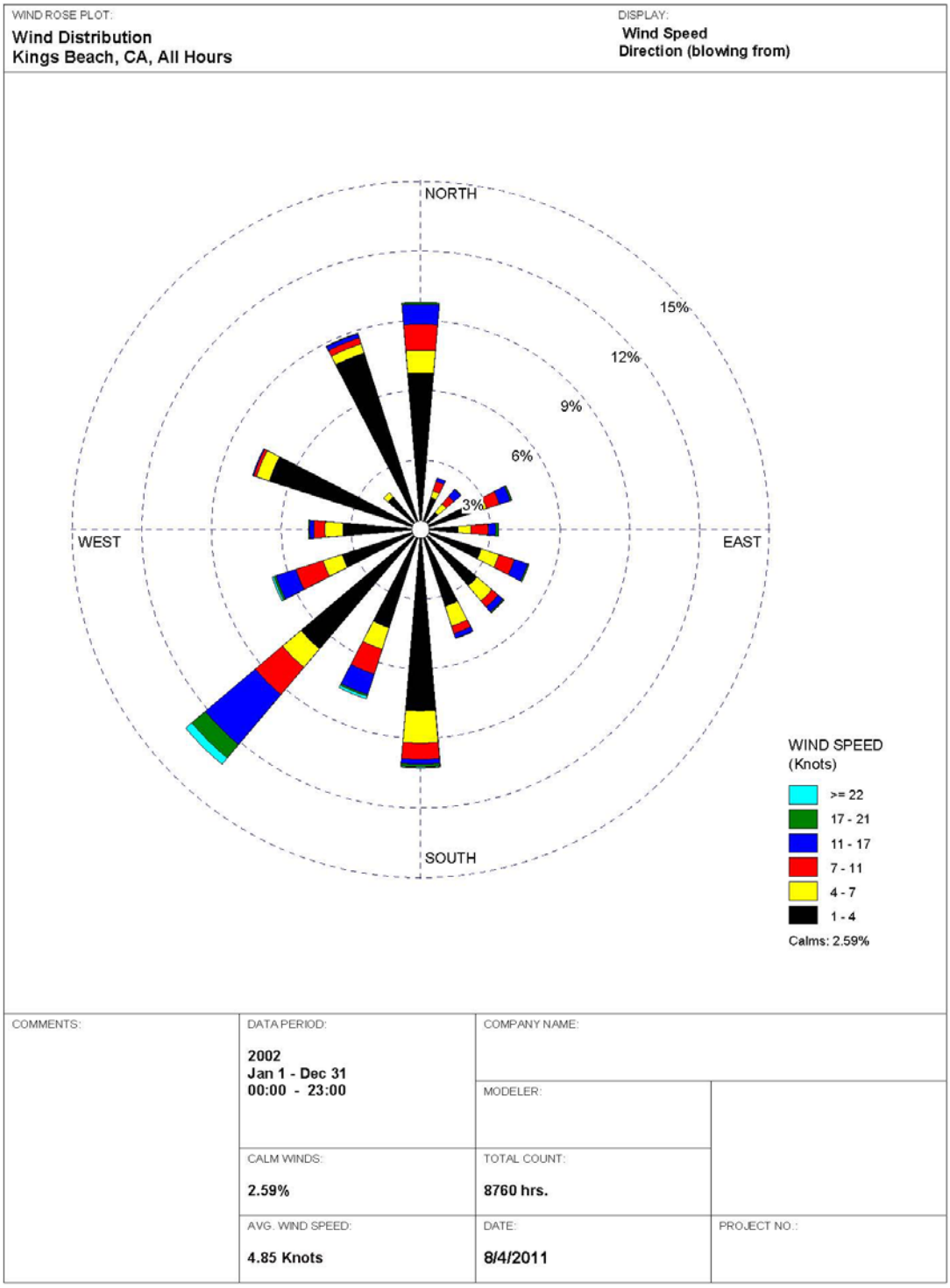


Figure 3a
Layout of Modeling Grid for Eastern Regional Landfill

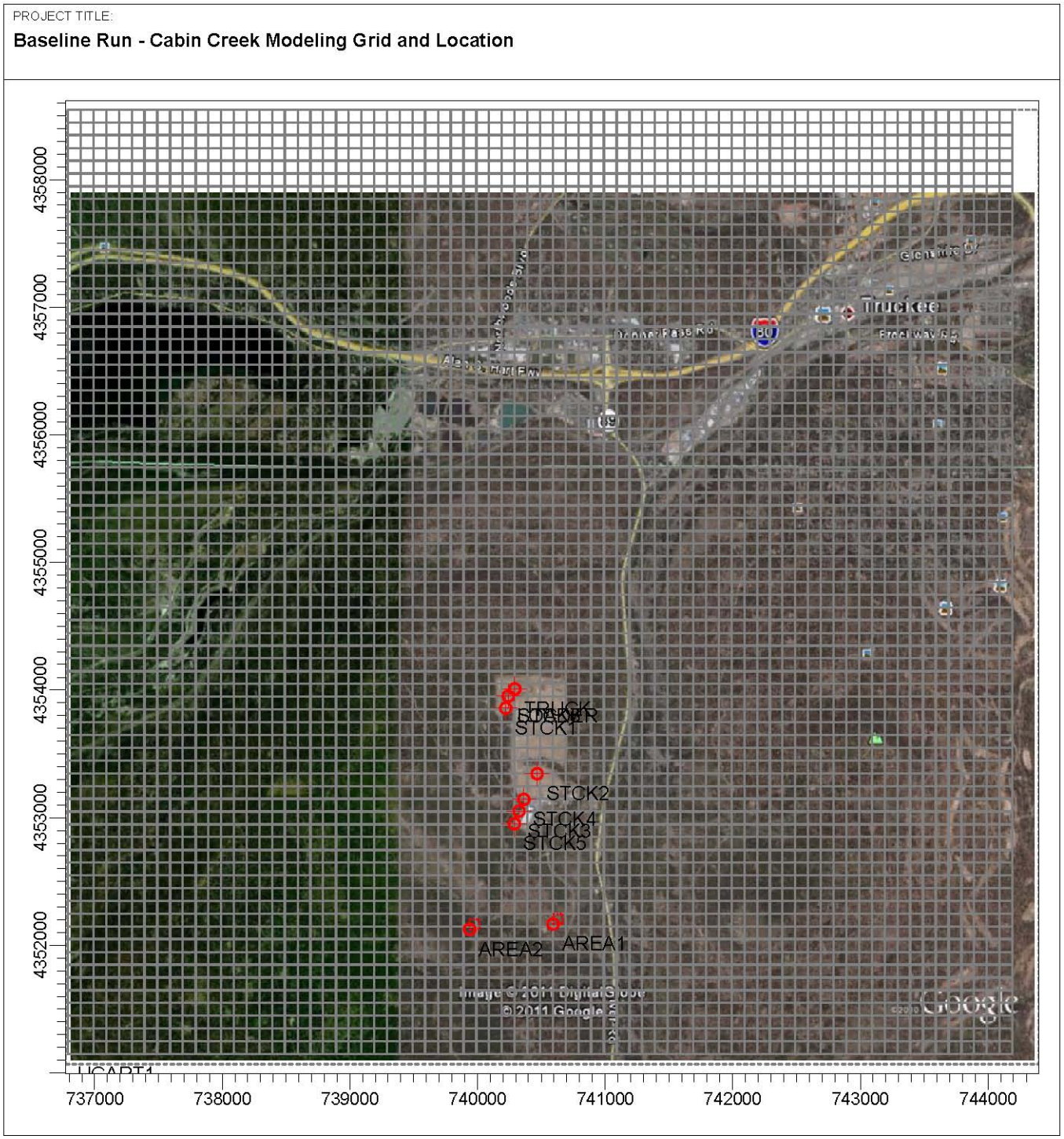


Figure 3b
Layout of Modeling Grid for Kings Beach

PROJECT TITLE:

Concentration of Diesel Particulate from Elevated Point Source

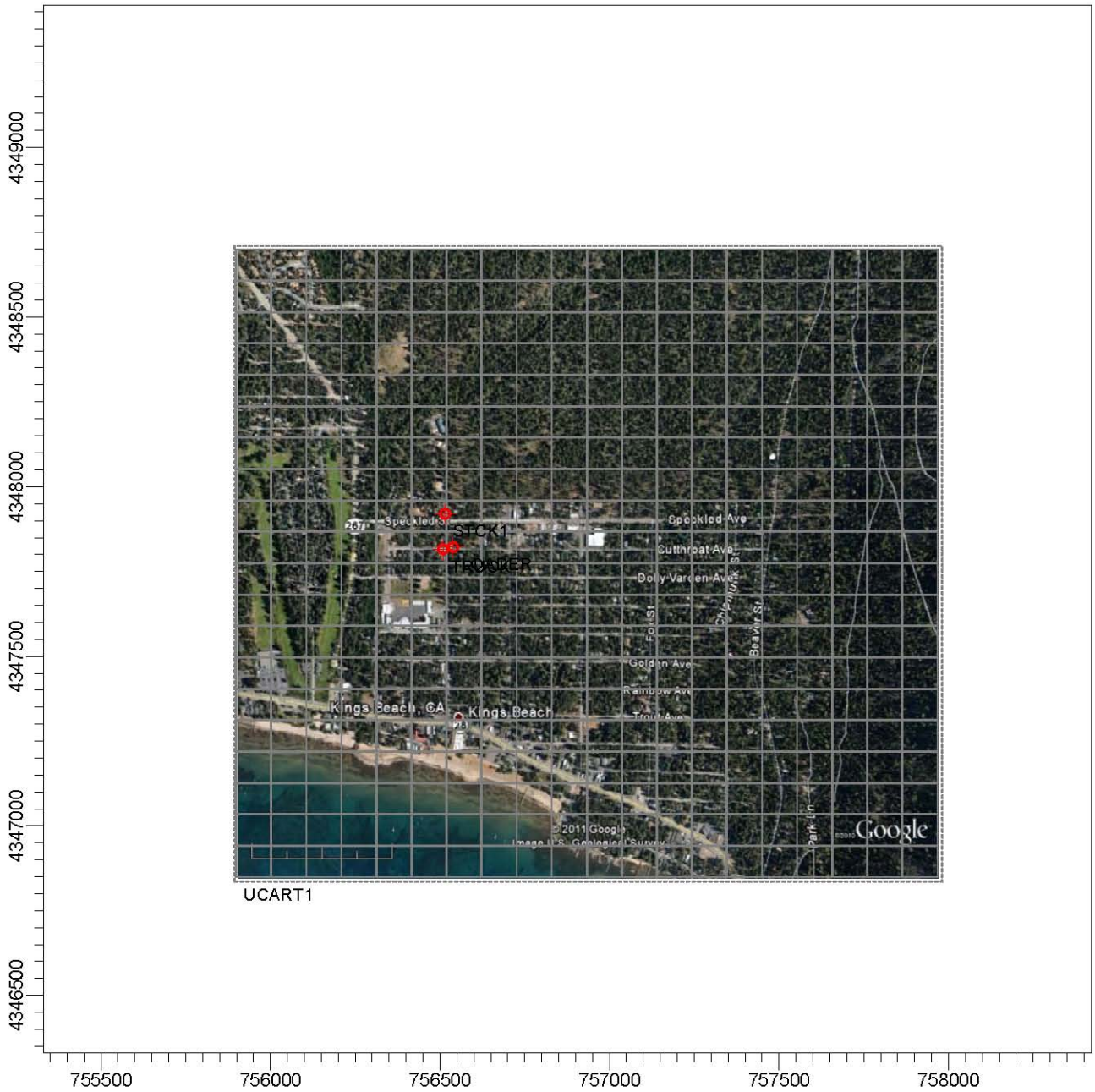
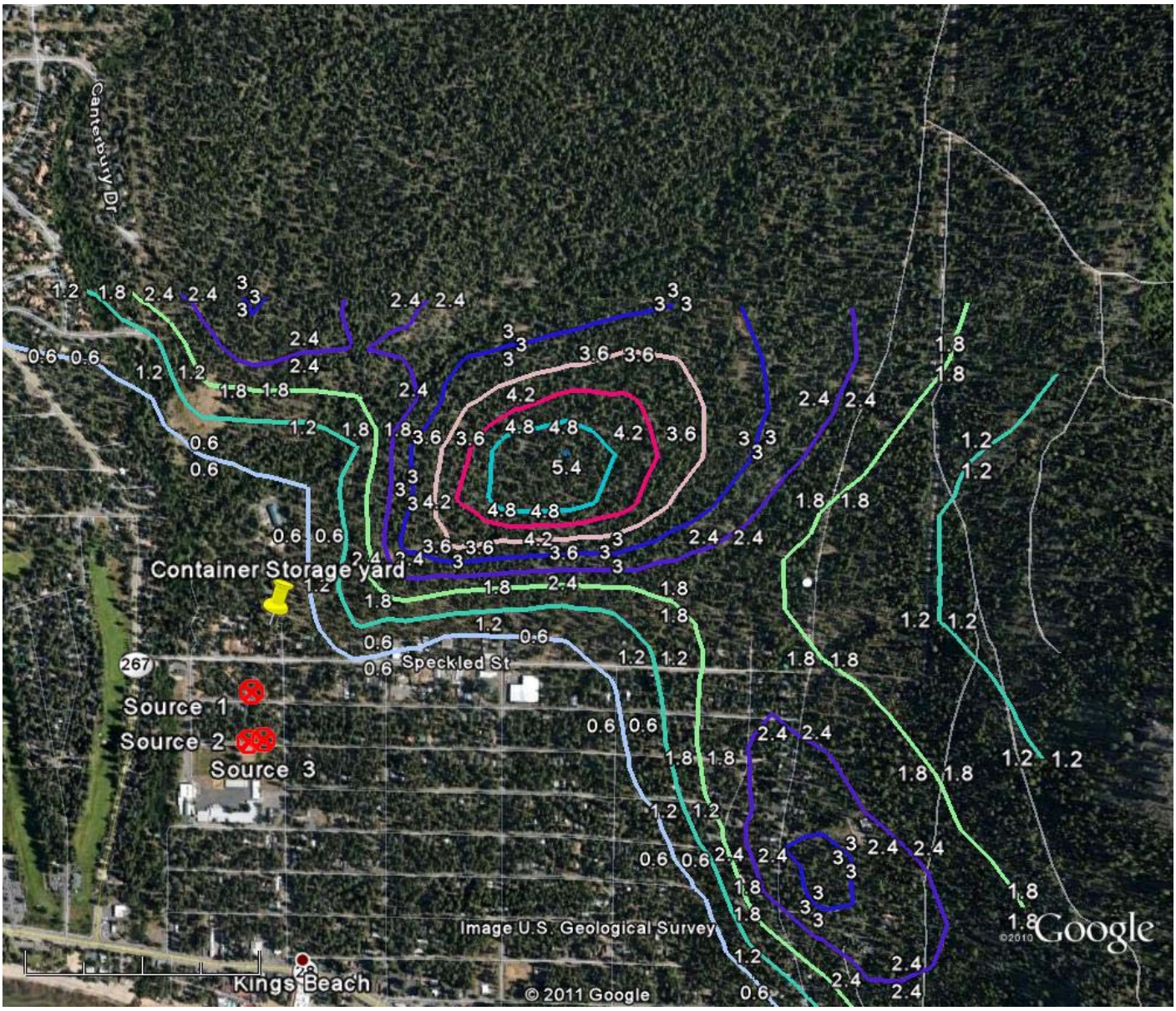


Figure 4
Residential Cancer Risk Per Million
Eastern Regional Landfill

Figure 5
Residential Cancer Risk Per Million
Kings Beach



TABLES

1. Emission Rates of TACs

Table 1
TAC Emission Rates Used in the Risk Analysis

		Lincoln Biomass	Kings Beach *(lbs/yr)*	*(lb/hr)*
Toxic Pollutant	CAS #	(lbs/hr)	Ratio 38/289 =>	0.131488
Formaldehyde	50-00-0	2.90E-02	3.35E+01	3.82E-03
Benzo(a)pyrene	50-32-8	1.01E-06	1.16E-03	1.33E-07
Dibenzo(a,h)anthracene	53-70-3	4.72E-07	5.44E-04	6.21E-08
Benz(a)anthracene	56-55-3	6.33E-07	7.29E-04	8.32E-08
Benzene	71-43-2	2.87E-01	3.30E+02	3.77E-02
Vinyl Chloride	75-01-4	1.30E-01	1.49E+02	1.70E-02
Acetaldehyde	75-07-0	6.47E-02	7.45E+01	8.51E-03
Acenaphthene	83-32-9	2.41E-05	2.78E-02	3.17E-06
Phenanthrene	85-01-8	1.89E-04	2.18E-01	2.49E-05
Fluorene	86-73-7	2.35E-05	2.71E-02	3.09E-06
Naphthalene	91-20-3	1.15E-02	1.32E+01	1.51E-03
2-Methylnaphthalene	91-57-6	5.25E-05	6.05E-02	6.90E-06
o-Xylene	95-47-6	2.15E-01	2.48E+02	2.83E-02
Ethyl Benzene	100-41-4	2.15E-01	2.48E+02	2.83E-02
1,4-Dichlorobenzene	106-46-7	2.98E-01	3.43E+02	3.92E-02
1,2-Dibromoethane	106-93-4	3.87E-01	4.45E+02	5.09E-02
1,3-Butadiene	106-99-0	1.10E-01	1.27E+02	1.45E-02
Acrolein	107-02-8	4.65E-03	5.35E+00	6.11E-04
1,2-Dichloroethane	107-06-2	2.02E-01	2.33E+02	2.66E-02
Toluene	108-88-3	1.30E+02	1.50E+05	1.71E+01
Phenol	108-95-2	8.65E-03	9.96E+00	1.14E-03
Anthracene	120-12-7	1.06E-05	1.22E-02	1.39E-06
Pyrene	129-00-0	7.76E-05	8.94E-02	1.02E-05
Benzo(g,h,i)perylene	191-24-2	2.72E-06	3.13E-03	3.58E-07
Benzo(e)pyrene	192-97-2	1.83E-06	2.11E-03	2.41E-07
Indeno(1,2,3-cd)pyrene	193-39-5	7.25E-07	8.35E-04	9.53E-08
Perylene	198-55-0	4.72E-07	5.44E-04	6.21E-08
Benzo(b)fluoranthene	205-99-2	1.21E-06	1.39E-03	1.59E-07
Fluoranthene	206-44-0	6.15E-05	7.08E-02	8.09E-06
Benzo(k)fluoranthene	207-08-9	6.94E-07	7.99E-04	9.13E-08
Acenaphthylene	208-96-8	1.00E-03	1.15E+00	1.32E-04
Chrysene	218-01-9	1.01E-06	1.16E-03	1.33E-07
Total Chlorobiphenyls	1336-36-3	1.49E-07	1.72E-04	1.96E-08
Total TCDD	1746-01-6	1.16E-08	1.34E-05	1.53E-09

Table 1
TAC Emission Rates Used in the Risk Analysis

		Lincoln Biomass	Kings Beach *(lbs/yr)*	*(lb/hr)*
Toxic Pollutant	CAS #	(lbs/hr)	Ratio 38/289 =>	0.131488
Decachlorobiphenyl	2051-24-3	4.75E-09	5.47E-06	6.25E-10
Total OCDD	3268-87-9	9.82E-10	1.13E-06	1.29E-10
Lead	7439-92-1	1.58E-04	1.82E-01	2.08E-05
Manganese	7439-96-5	1.07E-03	1.23E+00	1.41E-04
Mercury	7439-97-6	2.07E-04	2.38E-01	2.72E-05
Nickel	7440-02-0	2.17E-04	2.50E-01	2.85E-05
Antimony	7440-36-0	4.96E-05	5.71E-02	6.52E-06
Arsenic	7440-38-2	5.06E-05	5.83E-02	6.65E-06
Beryllium	7440-41-7	1.50E-05	1.73E-02	1.97E-06
Cadmium	7440-43-9	5.06E-05	5.83E-02	6.65E-06
Chromium (total)	7440-47-3	1.86E-04	2.14E-01	2.45E-05
Copper	7440-50-8	1.14E-03	1.31E+00	1.49E-04
Vanadium	7440-62-2	2.40E-04	2.76E-01	3.16E-05
Zinc	7440-66-6	5.03E-03	5.79E+00	6.62E-04
HCl	7647-01-0	1.41E+00	1.62E+03	1.85E-01
HF	7664-39-3	1.24E-02	1.43E+01	1.64E-03
Ammonia	7664-41-7	2.34E+00	2.70E+03	3.08E-01
Phosphorous	7723-14-0	4.80E-03	5.52E+00	6.30E-04
Selenium	7782-49-2	2.11E-04	2.43E-01	2.77E-05
Chromium VI	18540-29-9	2.15E-05	2.48E-02	2.83E-06
Total Pentachlorobiphenyls	25429-29-2	5.21E-08	6.00E-05	6.85E-09
Total Dichlorobiphenyls	25512-42-9	1.19E-07	1.37E-04	1.56E-08
Total Hexachlorobiphenyls	26601-64-9	4.25E-08	4.90E-05	5.59E-09
Total Tetrachlorobiphenyls	26914-33-0	7.16E-08	8.25E-05	9.41E-09
Total HxCDD	34465-46-8	6.07E-09	6.99E-06	7.98E-10
Total Heptachlorobiphenyls	35065-30-6	1.00E-08	1.15E-05	1.31E-09
Total HpCDD	37871-00-4	2.37E-09	2.73E-06	3.12E-10
Total HpCDF	38998-75-3	4.66E-10	5.37E-07	6.13E-11
Total OCDF	39001-02-0	5.05E-10	5.82E-07	6.64E-11
Total PeCDD	40321-76-4	1.21E-08	1.39E-05	1.59E-09
Total Nonachlorobiphenyls	53742-07-7	4.75E-09	5.47E-06	6.25E-10
Total HxCDF	55684-94-1	1.21E-09	1.39E-06	1.59E-10
Total Octachlorobiphenyls	55722-26-4	4.75E-09	5.47E-06	6.25E-10
Total TCDF	55722-27-5	1.95E-08	2.25E-05	2.56E-09
Total PeCDF	57117-41-6	6.42E-09	7.39E-06	8.44E-10
Total PCDD	136677-09-3	3.32E-08	3.82E-05	4.37E-09

Table 1
TAC Emission Rates Used in the Risk Analysis

		Lincoln Biomass	Kings Beach *(lbs/yr)*	*(lb/hr)*
Toxic Pollutant	CAS #	(lbs/hr)	Ratio 38/289 =>	0.131488
Total PCDF	136677-10-6	2.81E-08	3.24E-05	3.69E-09
m, p-Xylene	136777-61-2	2.15E-01	2.48E+02	2.83E-02
Total Trichlorobiphenyls	25323-68-6	8.43E-08	9.71E-05	1.11E-08

APPENDICES

1. Source Test Data for TAC Emissions
2. Excerpts of ISCST3 Reports
3. HARP Model Output (Truckee/Cabin Creek Road)
4. HARP Model Output (Kings Beach)
5. CD ROM (ISCST3 and HARP Model Outputs)

APPENDIX 1

Source Test Data for TAC Emissions

Table 2-1: Toxic Air Contaminant Emission Rates

Chemical Group	Chemical	CAS No.	Emission Rate[1] (lb/hr)								Steam Rate (klb/hr)	
			As Reported[2]				Corrected[3]					
			Baseline		Urban Mix		Baseline		Urban Mix		Base-line	Urban Mix
VOC	Acetaldehyde	75-07-0		0.063948		0.060971		0.064709		0.060971	168	170
VOC	Acrolein	107-02-8		0.004591		0.003855		0.004646		0.003855	168	170
VOC	Benzene	71-43-2	<	0.286841		0.715043	<	0.286841		0.723555	170	168
VOC	1,3-Butadiene	106-99-0	ND<	0.110223	ND<	0.005961	ND<	0.110223	ND<	0.005961	170	168
VOC	1,2-Dibromoethane	106-93-4	ND<	0.38673	ND<	0.020894	ND<	0.38673	ND<	0.020894	170	168
VOC	1,4-Dichlorobenzene	106-46-7	ND<	0.297804	ND<	0.016347	ND<	0.297804	ND<	0.016347	170	168
VOC	1,2-Dichloroethane	107-06-2	ND<	0.202404	ND<	0.010939	ND<	0.202404	ND<	0.010939	170	168
VOC	Ethyl Benzene	100-41-4	ND<	0.215291	ND<	0.011738	ND<	0.215291	ND<	0.011738	170	168
VOC	Toluene	108-88-3		130.2724		3.99264		130.2724		4.040171	170	168
VOC	Vinyl Chloride	75-01-4	ND<	0.129571	ND<	0.006883	ND<	0.129571	ND<	0.006883	170	168
VOC	m, p-Xylene	136777-61-2	ND<	0.215291	ND<	0.011738	ND<	0.215291	ND<	0.011738	170	168
VOC	o-Xylene	95-47-6	ND<	0.215291	ND<	0.011738	ND<	0.215291	ND<	0.011738	170	168
SVOC	Formaldehyde	50-00-0		0.028699		0.122446		0.029041		0.122446	168	170
SVOC	Phenol	108-95-2	ND<	0.008646	ND<	0.007728	ND<	0.008646	ND<	0.007728	169	166
PCBs	Decachlorobiphenyl	2051-24-3	ND<	4.75E-09	ND<	4.84E-09	ND<	4.75E-09	ND<	4.84E-09	169	168
PCBs	Total Chlorobiphenyls	1336-36-3		1.48E-07		2.23E-07		1.49E-07		2.26E-07	169	168

Table 2-1: Toxic Air Contaminant Emission Rates

Chemical Group	Chemical	CAS No.	Emission Rate[1] (lb/hr)								Steam Rate (klb/hr)	
			As Reported[2]				Corrected[3]					
			Baseline		Urban Mix		Baseline		Urban Mix		Base-line	Urban Mix
PCBs	Total Dichlorobiphenyls	25512-42-9		1.18E-07		1.27E-07		1.19E-07		1.29E-07	169	168
PCBs	Total Heptachlorobiphenyls	35065-30-6	<	9.99E-09	<	3.98E-08	<	1E-08	<	4.03E-08	169	168
PCBs	Total Hexachlorobiphenyls	26601-64-9		4.22E-08	<	9.47E-08		4.25E-08	<	9.58E-08	169	168
PCBs	Total Nonachlorobiphenyls	53742-07-7	ND<	4.75E-09	ND<	4.84E-09	ND<	4.75E-09	ND<	4.84E-09	169	168
PCBs	Total Octachlorobiphenyls	55722-26-4	ND<	4.75E-09	<	4.95E-09	ND<	4.75E-09	<	5.01E-09	169	168
PCBs	Total Pentachlorobiphenyls	25429-29-2		5.18E-08	<	9.14E-08		5.21E-08	<	9.25E-08	169	168
PCBs	Total Tetrachlorobiphenyls	26914-33-0		7.12E-08		7.98E-08		7.16E-08		8.08E-08	169	168
PCBs	Total Trichlorobiphenyls	25323-68-6		8.38E-08		7.71E-08		8.43E-08		7.8E-08	169	168
PAHs	Acenaphthene	83-32-9		2.4E-05	<	4.47E-05		2.41E-05	<	4.52E-05	169	168
PAHs	Acenaphthylene	208-96-8		0.000996		0.007149		0.001002		0.007234	169	168
PAHs	Anthracene	120-12-7		1.05E-05	<	0.00013		1.06E-05	<	0.000132	169	168
PAHs	Benz(a)anthracene	56-55-3	<	6.29E-07	<	5.68E-06	<	6.33E-07	<	5.75E-06	169	168
PAHs	Benzo(a)pyrene	50-32-8	<	1E-06	<	5.67E-06	<	1.01E-06	<	5.74E-06	169	168
PAHs	Benzo(b)fluoranthene	205-99-2		1.2E-06		2.02E-05		1.21E-06		2.05E-05	169	168
PAHs	Benzo(e)pyrene	192-97-2		1.82E-06		2.4E-05		1.83E-06		2.43E-05	169	168
PAHs	Benzo(g,h,i)perylene	191-24-2		2.7E-06		2.95E-05		2.72E-06		2.98E-05	169	168

Table 2-1: Toxic Air Contaminant Emission Rates

Chemical Group	Chemical	CAS No.	Emission Rate[1] (lb/hr)								Steam Rate (klb/hr)	
			As Reported[2]				Corrected[3]					
			Baseline		Urban Mix		Baseline		Urban Mix		Base-line	Urban Mix
PAHs	Benzo(k)fluoranthene	207-08-9	<	6.9E-07	<	1.02E-05	<	6.94E-07	<	1.03E-05	169	168
PAHs	Chrysene	218-01-9	<	1E-06	<	1.98E-05	<	1.01E-06	<	2E-05	169	168
PAHs	Dibenzo(a,h)anthracene	53-70-3	ND<	4.72E-07	<	5.59E-07	ND<	4.72E-07	<	5.66E-07	169	168
PAHs	Fluoranthene	206-44-0		6.12E-05		0.000807		6.15E-05		0.000817	169	168
PAHs	Fluorene	86-73-7		2.33E-05	<	0.000271		2.35E-05	<	0.000274	169	168
PAHs	Indeno(1,2,3-cd)pyrene	193-39-5	<	7.21E-07		7.01E-06	<	7.25E-07		7.1E-06	169	168
PAHs	2-Methylnaphthalene	91-57-6		5.22E-05		0.000312		5.25E-05		0.000316	169	168
PAHs	Naphthalene	91-20-3		0.011384		0.015711		0.011452		0.015898	169	168
PAHs	Perylene	198-55-0	ND<	4.72E-07	<	1.72E-06	ND<	4.72E-07	<	1.74E-06	169	168
PAHs	Phenanthrene	85-01-8		0.000188		0.001756		0.000189		0.001777	169	168
PAHs	Pyrene	129-00-0		7.71E-05		0.001073		7.76E-05		0.001086	169	168
D/F	Total HpCDD	37871-00-4		2.35E-09		1.33E-08		2.37E-09		1.35E-08	169	168
D/F	Total HpCDF	38998-75-3		4.64E-10		2.1E-09		4.66E-10		2.12E-09	169	168
D/F	Total HxCDD	34465-46-8		6.03E-09		4.17E-08		6.07E-09		4.22E-08	169	168
D/F	Total HxCDF	55684-94-1		1.2E-09		1.2E-08		1.21E-09		1.21E-08	169	168
D/F	Total OCDD	3268-87-9		9.76E-10		5.7E-09		9.82E-10		5.77E-09	169	168

Table 2-1: Toxic Air Contaminant Emission Rates

Chemical Group	Chemical	CAS No.	Emission Rate[1] (lb/hr)								Steam Rate (klb/hr)	
			As Reported[2]				Corrected[3]					
			Baseline		Urban Mix		Baseline		Urban Mix		Base-line	Urban Mix
D/F	Total OCDF	39001-02-0	ND<	5.05E-10		4.73E-10	ND<	5.05E-10		4.79E-10	169	168
D/F	Total PCDD	136677-09-3	<	3.3E-08		2.32E-07	<	3.32E-08		2.35E-07	169	168
D/F	Total PCDF	136677-10-6	<	2.8E-08		1.39E-07	<	2.81E-08		1.4E-07	169	168
D/F	Total PeCDD	40321-76-4		1.21E-08		7.61E-08		1.21E-08		7.7E-08	169	168
D/F	Total PeCDF	57117-41-6		6.38E-09		3.75E-08		6.42E-09		3.8E-08	169	168
D/F	Total TCDD	1746-01-6		1.15E-08		9.51E-08		1.16E-08		9.62E-08	169	168
D/F	Total TCDF	55722-27-5		1.94E-08		8.67E-08		1.95E-08		8.78E-08	169	168
Other	Ammonia	7664-41-7		2.315711		3.623394		2.343279		3.623394	168	170
Other	HCl	7647-01-0		1.398585		3.675311		1.406861		3.719065	169	168
Other	HF	7664-39-3		0.012376		0.015281		0.012449		0.015463	169	168
Other	Phosphorous	7723-14-0		0.004766		0.003913		0.004795		0.00396	169	168
Metals	Antimony	7440-36-0	<	4.93E-05	<	6.15E-05	<	4.96E-05	<	6.22E-05	169	168
Metals	Arsenic	7440-38-2	<	5.03E-05	<	0.000215	<	5.06E-05	<	0.000217	169	168
Metals	Beryllium	7440-41-7	ND<	1.5E-05	ND<	1.21E-05	ND<	1.5E-05	ND<	1.21E-05	169	168
Metals	Cadmium	7440-43-9	<	5.03E-05	<	2.79E-05	<	5.06E-05	<	2.82E-05	169	168
Metals	Chromium (total)	7440-47-3		0.000185		0.000118		0.000186		0.000119	169	168
Metals	Chromium VI	18540-29-9		2.15E-05		0		2.15E-05		0	170	168
Metals	Copper	7440-50-8		0.001128		0.000327		0.001135		0.00033	169	168
Metals	Lead	7439-92-1		0.000157		0.000322		0.000158		0.000326	169	168

Table 2-1: Toxic Air Contaminant Emission Rates

Chemical Group	Chemical	CAS No.	Emission Rate[1] (lb/hr)								Steam Rate (klb/hr)	
			As Reported[2]				Corrected[3]					
			Baseline		Urban Mix		Baseline		Urban Mix		Base-line	Urban Mix
Metals	Manganese	7439-96-5		0.001063		0.000537		0.001069		0.000543	169	168
Metals	Mercury	7439-97-6	<	0.000206	<	0.000221	<	0.000207	<	0.000224	169	168
Metals	Nickel	7440-02-0		0.000215		0.000142		0.000217		0.000143	169	168
Metals	Selenium	7782-49-2		0.000209		0.000292		0.000211		0.000296	169	168
Metals	Vanadium	7440-62-2	ND<	0.00024	ND<	0.000257	ND<	0.00024	ND<	0.000257	169	168
Metals	Zinc	7440-66-6		0.005002		0.004477		0.005031		0.004531	169	168

Notes:

1 The non-detection (ND<) notation indicates the species was not detected in any sample or sample fraction. The less than (<) notation indicates a species was detected in at least one sample or fraction but not all. The full reporting limit was used for non-detected compounds.

2 Average emission rates from Source Test Report: 2008 Toxic Air Contaminants Tests, Sierra Pacific Industries, McBurney Boiler, Lincoln, California prepared by Shane Mascitelli & John Pascale of The Avogadro Group, LLC for submittal to Placer County Air Pollution Control District, May 20, 2008.

3 Reported emission rates were scaled using the ratio of the steam rate during the source test and the maximum steam rates (170 klb/hr).

APPENDIX 2

Excerpts of ISCST3 Reports

Truckee Location

Excerpts of ISCST3 Reports

```
**MODELOPTs:
CONC                    RURAL ELEV         DFAULT

                                           ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

  --  SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
           1. Final Plume Rise.
           2. Stack-tip Downwash.
           3. Buoyancy-induced Dispersion.
           4. Use Calms Processing Routine.
           5. Not Use Missing Data Processing Routine.
           6. Default Wind Profile Exponents.
           7. Default Vertical Potential Temperature Gradients.
           8. "Upper Bound" Values for Supersquat Buildings.
           9. No Exponential Decay for RURAL Mode

**Model Accepts Receptors on ELEV Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

**This Run Includes:     7 Source(s);      7 Source Group(s); and    5625 Receptor(s)

**The Model Assumes A Pollutant Type of:  GENERIC

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Anem. Hgt. (m) =    10.00 ;    Decay Coef. =    0.000     ;    Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     2.1 MB of RAM.
```

```
**Input Runstream File:          KB_Trck3.INP
**Output Print File:             KB_Trck3.OUT
```

CONC RURAL ELEV DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
STCK1	0	0.10000E+01	740221.8	4353858.0	1952.9	6.10	477.59	18.73	0.76	NO	
TRUCK	0	0.10000E+01	740293.1	4354007.5	1951.6	3.66	449.82	15.00	0.08	NO	
LOADER	0	0.10000E+01	740242.1	4353950.5	1950.7	3.00	449.82	15.00	0.08	NO	
STCK2	0	0.10000E+01	740654.0	4353967.0	1915.7	2.74	801.48	70.03	0.23	NO	
STCK3	0	0.10000E+01	740509.0	4354088.0	1924.5	1.68	699.82	43.93	0.15	NO	
STCK4	0	0.10000E+01	740485.0	4353048.0	1925.1	2.74	699.82	77.62	0.15	NO	
STCK5	0	0.10000E+01	740563.0	4353048.0	1926.6	1.68	773.15	81.78	0.08	NO	

**MODELOPTs:
CONC RURAL ELEV DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
STCK1	STCK1 ,
TRUCK	TRUCK ,
LOADER	LOADER ,
STCK2	STCK2 ,
STCK3	STCK3 ,
STCK4	STCK4 ,
STCK5	STCK5 ,

CONC RURAL ELEV DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

736791.9,	736891.9,	736991.9,	737091.9,	737191.9,	737291.9,	737391.9,	737491.9,	737591.9,	737691.9,
737791.9,	737891.9,	737991.9,	738091.9,	738191.9,	738291.9,	738391.9,	738491.9,	738591.9,	738691.9,
738791.9,	738891.9,	738991.9,	739091.9,	739191.9,	739291.9,	739391.9,	739491.9,	739591.9,	739691.9,
739791.9,	739891.9,	739991.9,	740091.9,	740191.9,	740291.9,	740391.9,	740491.9,	740591.9,	740691.9,
740791.9,	740891.9,	740991.9,	741091.9,	741191.9,	741291.9,	741391.9,	741491.9,	741591.9,	741691.9,
741791.9,	741891.9,	741991.9,	742091.9,	742191.9,	742291.9,	742391.9,	742491.9,	742591.9,	742691.9,
742791.9,	742891.9,	742991.9,	743091.9,	743191.9,	743291.9,	743391.9,	743491.9,	743591.9,	743691.9,
743791.9,	743891.9,	743991.9,	744091.9,	744191.9,					

*** Y-COORDINATES OF GRID ***
(METERS)

4351147.5,	4351247.5,	4351347.5,	4351447.5,	4351547.5,	4351647.5,	4351747.5,	4351847.5,	4351947.5,	4352047.5,
4352147.5,	4352247.5,	4352347.5,	4352447.5,	4352547.5,	4352647.5,	4352747.5,	4352847.5,	4352947.5,	4353047.5,
4353147.5,	4353247.5,	4353347.5,	4353447.5,	4353547.5,	4353647.5,	4353747.5,	4353847.5,	4353947.5,	4354047.5,
4354147.5,	4354247.5,	4354347.5,	4354447.5,	4354547.5,	4354647.5,	4354747.5,	4354847.5,	4354947.5,	4355047.5,
4355147.5,	4355247.5,	4355347.5,	4355447.5,	4355547.5,	4355647.5,	4355747.5,	4355847.5,	4355947.5,	4356047.5,
4356147.5,	4356247.5,	4356347.5,	4356447.5,	4356547.5,	4356647.5,	4356747.5,	4356847.5,	4356947.5,	4357047.5,
4357147.5,	4357247.5,	4357347.5,	4357447.5,	4357547.5,	4357647.5,	4357747.5,	4357847.5,	4357947.5,	4358047.5,
4358147.5,	4358247.5,	4358347.5,	4358447.5,	4358547.5,					

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK2 ***
INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 737291.88	737391.88	737491.88	737591.88	737691.88
4358547.5	5.15913 (10071721)	5.23436 (10071721)	5.29469 (10071721)	5.35479 (10071721)	5.35204 (10071721)
4358447.5	5.18741 (10071721)	5.24995 (10071721)	5.32793 (10071721)	5.40620 (10071721)	5.42077 (10071721)
4358347.5	5.21534 (10071721)	5.28025 (10071721)	5.36101 (10071721)	5.42606 (10071721)	5.49090 (10071721)
4358247.5	5.24284 (10071721)	5.31021 (10071721)	5.39385 (10071721)	5.46154 (10071721)	5.52910 (10071721)
4358147.5	5.12588 (10071721)	5.22597 (10071721)	5.32727 (10071721)	5.42969 (10071721)	5.49902 (10071721)
4358047.5	5.05140 (10071721)	5.13645 (10071721)	5.22230 (10071721)	5.32600 (10071721)	5.39597 (10071721)
4357947.5	4.78889 (10071721)	4.92275 (10071721)	5.07648 (10071721)	5.21583 (10071721)	5.32199 (10071721)
4357847.5	4.32675 (10071721)	4.45591 (10071721)	4.58783 (10071721)	4.82998 (10071721)	4.96912 (10071721)
4357747.5	4.76346 (10071721)	4.88639 (10071721)	4.97577 (10071721)	5.06623 (10071721)	5.23227 (10071721)
4357647.5	5.51780 (10071721)	5.65840 (10071721)	5.72833 (10071721)	5.89197 (10071721)	6.00175 (10071721)
4357547.5	6.42824 (10071721)	6.46147 (10071721)	6.56830 (10071721)	6.65710 (10071721)	6.70708 (10071721)
4357447.5	12.44959 (10020208)	7.37191 (10071721)	7.34681 (10071721)	7.29762 (10071721)	7.24284 (10071721)
4357347.5	23.44742 (10030620)	24.04629 (10012401)	24.31982 (10012407)	24.36133 (10041403)	13.33942 (10081207)
4357247.5	5.25003 (10021203)	8.29208 (10030620)	14.33737 (10012401)	23.06754 (10012407)	25.08739 (10041403)
4357147.5	3.77557 (10012919)	4.14016 (10082904)	5.18685 (10112002)	6.89461 (10112002)	10.93112 (10012407)
4357047.5	2.80588 (10010516)	2.99056 (10012919)	3.75687 (10112002)	5.38160 (10112002)	7.18303 (10112002)
4356947.5	3.28827 (10010516)	2.93294 (10010516)	2.53027 (10010516)	3.87018 (10112002)	5.59705 (10112002)
4356847.5	3.73226 (10010516)	3.43959 (10010516)	3.07010 (10010516)	2.64573 (10010516)	3.98306 (10112002)
4356747.5	4.09226 (10010516)	3.89860 (10010516)	3.60232 (10010516)	3.21844 (10010516)	2.77083 (10010516)
4356647.5	4.32247 (10010516)	4.25873 (10010516)	4.07579 (10010516)	3.77756 (10010516)	3.37922 (10010516)
4356547.5	4.38498 (10010516)	4.46979 (10010516)	4.43283 (10010516)	4.26445 (10010516)	3.96645 (10010516)
4356447.5	4.25844 (10010516)	4.49243 (10010516)	4.61865 (10010516)	4.61424 (10010516)	4.46516 (10010516)
4356347.5	3.94493 (10010516)	4.30813 (10010516)	4.59312 (10010516)	4.76741 (10010516)	4.80231 (10010516)
4356247.5	3.47267 (10010516)	3.92644 (10010516)	4.34218 (10010516)	4.68403 (10010516)	4.91378 (10010516)
4356147.5	2.89271 (10010516)	3.38646 (10010516)	3.88512 (10010516)	4.35667 (10010516)	4.76134 (10010516)
4356047.5	2.26979 (10010516)	2.75105 (10010516)	3.27424 (10010516)	3.81722 (10010516)	4.34705 (10010516)
4355947.5	1.96533 (10070608)	2.09431 (10010516)	2.58551 (10010516)	3.13364 (10010516)	3.71877 (10010516)
4355847.5	1.80695 (10070608)	1.98622 (10070608)	2.14184 (10070608)	2.39601 (10010516)	2.96273 (10010516)
4355747.5	1.58520 (10070608)	1.78392 (10070608)	1.98817 (10070608)	2.20067 (10070608)	2.36375 (10070608)
4355647.5	2.14085 (10100424)	1.73002 (10100424)	1.82187 (10070608)	2.06732 (10070608)	2.30968 (10070608)
4355547.5	4.26185 (10032208)	3.83166 (10032208)	4.33133 (10100424)	4.46247 (10100424)	4.10875 (10100424)
4355447.5	26.28239 (10013124)	27.27466 (10032202)	29.85299 (10032202)	30.27040 (10020303)	30.14339 (10031903)
4355347.5	10.33876 (10012801)	10.90789 (10012801)	11.30654 (10012801)	11.27010 (10012801)	11.79426 (10012801)
4355247.5	8.81626 (10060603)	9.31117 (10070803)	9.89770 (10060603)	10.74081 (10012801)	11.83712 (10012801)
4355147.5	9.07358 (10063021)	9.99539 (10063021)	11.13505 (10030501)	18.23540 (10100602)	29.18864 (10021602)
4355047.5	10.12597 (10030501)	11.16191 (10030501)	13.99291 (10051101)	26.21641 (10110805)	18.96483 (10122722)
4354947.5	10.87670 (10030501)	30.21832 (10012801)	30.91814 (10012801)	12.81845 (10013009)	12.57292 (10013009)
4354847.5	11.36990 (10030501)	30.51533 (10111621)	12.90462 (10111621)	12.75092 (10013009)	13.50709 (10013009)
4354747.5	16.04786 (10012922)	29.56640 (10111420)	8.69367 (10013009)	9.92867 (10013009)	11.22204 (10013009)
4354647.5	25.07740 (10050704)	11.65332 (10012922)	10.58868 (10010510)	10.28063 (10010510)	9.90279 (10010510)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK2 ***
INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 737291.88	737391.88	737491.88	737591.88	737691.88
4354547.5	24.06329 (10030501)	13.00416 (10010510)	13.03978 (10010510)	13.02080 (10010510)	12.93792 (10010510)
4354447.5	13.74239 (10010510)	14.08080 (10010510)	14.40376 (10010510)	14.70442 (10010510)	14.97446 (10010510)
4354347.5	13.21868 (10010510)	13.71828 (10010510)	14.23433 (10010510)	14.76481 (10010510)	15.30672 (10010510)
4354247.5	11.47486 (10010510)	11.99616 (10010510)	12.55174 (10010510)	13.14388 (10010510)	13.77484 (10010510)
4354147.5	8.96899 (10010510)	9.39232 (10010510)	9.84915 (10010510)	10.34308 (10010510)	10.87821 (10010510)
4354047.5	6.29733 (10010510)	6.56724 (10010510)	6.85825 (10010510)	7.17278 (10010510)	7.51363 (10010510)
4353947.5	4.73998 (10011017)	5.17522 (10120420)	5.66918 (10120420)	6.47619 (10120420)	7.83253 (10120420)
4353847.5	5.69593 (10011017)	6.05315 (10011017)	6.55825 (10011017)	7.37789 (10022804)	17.03348 (10112618)
4353747.5	5.74300 (10042104)	6.52172 (10042104)	7.39725 (10042104)	16.04358 (10070523)	32.56582 (10070523)
4353647.5	6.32659 (10022505)	7.21645 (10022505)	10.42171 (10011521)	32.44257 (10011521)	32.98054 (10011521)
4353547.5	6.75490 (10021501)	7.57994 (10021501)	31.05973 (10013103)	32.51635 (10013103)	14.19348 (10013103)
4353447.5	6.31708 (10021501)	13.14623 (10022521)	29.40850 (10022521)	12.94487 (10013103)	13.59416 (10013103)
4353347.5	11.67766 (10022521)	28.16677 (10022521)	12.50807 (10013103)	12.50503 (10013103)	13.12740 (10013103)
4353247.5	30.20813 (10012924)	29.88296 (10012924)	11.88678 (10013103)	11.85543 (10013103)	12.54577 (10013103)
4353147.5	29.29564 (10071701)	17.86188 (10052722)	11.42081 (10013103)	11.53348 (10013103)	11.92423 (10013103)
4353047.5	22.42552 (10071701)	11.64618 (10013103)	11.53286 (10102507)	11.59528 (10102507)	11.89213 (10102507)
4352947.5	17.13725 (10052702)	11.44252 (10102507)	10.98103 (10102507)	10.95173 (10102507)	10.67474 (10102507)
4352847.5	11.11989 (10102507)	10.73492 (10102507)	10.39981 (10102507)	10.21689 (10102507)	9.57848 (10102507)
4352747.5	14.60178 (10010217)	9.83330 (10102507)	9.55356 (10102507)	9.33554 (10102507)	8.37473 (10102507)
4352647.5	9.55642 (10102507)	9.17325 (10102507)	8.86930 (10102507)	8.10370 (10102507)	8.24720 (10010217)
4352547.5	8.87342 (10102507)	8.38465 (10102507)	8.05269 (10102507)	7.90029 (10010217)	8.13394 (10010217)
4352447.5	8.09740 (10102507)	7.66769 (10102507)	7.58045 (10010217)	7.79334 (10010217)	8.01741 (10010217)
4352347.5	7.54592 (10102507)	7.28486 (10010217)	7.47949 (10010217)	7.68377 (10010217)	7.89829 (10010217)
4352247.5	7.01103 (10010217)	7.18954 (10010217)	7.37641 (10010217)	7.57214 (10010217)	7.77722 (10010217)
4352147.5	6.92098 (10010217)	7.09249 (10010217)	7.27169 (10010217)	7.45897 (10010217)	7.65476 (10010217)
4352047.5	6.82953 (10010217)	6.99413 (10010217)	7.16576 (10010217)	7.34476 (10010217)	7.53146 (10010217)
4351947.5	6.73703 (10010217)	6.89483 (10010217)	7.05905 (10010217)	6.06157 (10012117)	6.25787 (10012117)
4351847.5	6.64381 (10010217)	6.79495 (10010217)	5.75519 (10012117)	5.93475 (10012117)	6.12145 (10012117)
4351747.5	5.31396 (10012117)	5.47256 (10012117)	5.63726 (10012117)	5.80823 (10012117)	5.98564 (10012117)
4351647.5	5.21127 (10012117)	5.36273 (10012117)	5.51973 (10012117)	5.68239 (10012117)	5.85083 (10012117)
4351547.5	5.10883 (10012117)	5.25336 (10012117)	5.40291 (10012117)	5.55756 (10012117)	5.71738 (10012117)
4351447.5	5.00689 (10012117)	5.14472 (10012117)	5.28708 (10012117)	5.43402 (10012117)	5.61070 (10061607)
4351347.5	4.90569 (10012117)	5.03705 (10012117)	5.17249 (10012117)	5.33505 (10061607)	5.47980 (10061607)
4351247.5	4.80541 (10012117)	4.95077 (10061607)	5.08050 (10061607)	5.21394 (10061607)	5.35107 (10061607)
4351147.5	4.72490 (10061607)	4.84488 (10061607)	4.96819 (10061607)	5.09480 (10061607)	5.22468 (10061607)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK2 ***
INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 737791.88	737891.88	737991.88	738091.88	738191.88
4358547.5	5.33125 (10071721)	5.38801 (10071721)	5.57426 (10071721)	5.69713 (10071721)	5.78729 (10071721)
4358447.5	5.40117 (10071721)	5.44444 (10071721)	5.53655 (10071721)	5.64563 (10071721)	5.73800 (10071721)
4358347.5	5.53885 (10071721)	5.53543 (10071721)	5.61467 (10071721)	5.69362 (10071721)	5.80716 (10071721)
4358247.5	5.59639 (10071721)	5.61171 (10071721)	5.67727 (10071721)	5.77751 (10071721)	5.94966 (10071721)
4358147.5	5.58547 (10071721)	5.63696 (10071721)	5.74099 (10071721)	5.84544 (10071721)	6.02371 (10071721)
4358047.5	5.50128 (10071721)	5.62546 (10071721)	5.73267 (10071721)	5.87757 (10071721)	6.06170 (10071721)
4357947.5	5.42932 (10071721)	5.53769 (10071721)	5.68441 (10071721)	5.89013 (10071721)	6.06074 (10071721)
4357847.5	5.14791 (10071721)	5.33041 (10071721)	5.57407 (10071721)	5.78405 (10071721)	5.93844 (10071721)
4357747.5	5.49675 (10071721)	5.72935 (10071721)	5.90826 (10071721)	6.01029 (10071721)	6.27525 (10071721)
4357647.5	6.26818 (10071721)	6.58090 (10071721)	6.72028 (10071721)	6.79950 (10071721)	7.06554 (10071721)
4357547.5	6.95463 (10071721)	7.30943 (10071721)	7.44654 (10071721)	7.52151 (10071721)	7.57343 (10071721)
4357447.5	7.52853 (10071721)	7.84232 (10071721)	8.01587 (10071721)	8.06204 (10071721)	8.06115 (10071721)
4357347.5	7.98077 (10071721)	8.22785 (10071721)	8.43690 (10071721)	8.58295 (10071721)	8.63919 (10071721)
4357247.5	25.72798 (10112502)	25.56832 (10091524)	25.93880 (10032620)	26.30857 (10030801)	26.60128 (10040701)
4357147.5	25.41702 (10041403)	26.45869 (10112502)	26.26086 (10091524)	26.69451 (10111103)	26.71126 (10030801)
4357047.5	8.90233 (10112002)	12.01837 (10041403)	20.42322 (10112502)	26.70121 (10091524)	20.98607 (10111103)
4356947.5	7.50716 (10112002)	9.29555 (10112002)	10.57252 (10112002)	10.95804 (10112002)	10.21779 (10112002)
4356847.5	5.82577 (10112002)	7.84873 (10112002)	9.71775 (10112002)	10.98756 (10112002)	11.23209 (10112002)
4356747.5	4.09902 (10112002)	6.06380 (10112002)	8.23496 (10112002)	10.18356 (10112002)	11.42503 (10112002)
4356647.5	2.90671 (10010516)	4.22149 (10112002)	6.33753 (10112002)	8.67020 (10112002)	10.75884 (10112002)
4356547.5	3.55384 (10010516)	3.05468 (10010516)	4.35175 (10112002)	6.62923 (10112002)	9.18265 (10112002)
4356447.5	4.17023 (10010516)	3.74384 (10010516)	3.21618 (10010516)	4.49165 (10112002)	6.94619 (10112002)
4356347.5	4.67829 (10010516)	4.39015 (10010516)	3.95090 (10010516)	3.39284 (10010516)	4.64240 (10112002)
4356247.5	4.99592 (10010516)	4.90400 (10010516)	4.62740 (10010516)	4.17681 (10010516)	3.58643 (10010516)
4356147.5	5.05472 (10010516)	5.19326 (10010516)	5.14199 (10010516)	4.88304 (10010516)	4.42337 (10010516)
4356047.5	4.82036 (10010516)	5.18613 (10010516)	5.39156 (10010516)	5.39115 (10010516)	5.15756 (10010516)
4355947.5	4.30809 (10010516)	4.85524 (10010516)	5.30249 (10010516)	5.58664 (10010516)	5.64933 (10010516)
4355847.5	3.58575 (10010516)	4.23386 (10010516)	4.85893 (10010516)	5.39676 (10010516)	5.77262 (10010516)
4355747.5	2.76028 (10010516)	3.41436 (10010516)	4.11806 (10010516)	4.82313 (10010516)	5.45979 (10010516)
4355647.5	2.48989 (10070608)	2.71183 (10070608)	3.20170 (10010516)	3.95415 (10010516)	4.73807 (10010516)
4355547.5	3.39616 (10012616)	3.18419 (10012616)	3.10274 (10070608)	3.19106 (10070608)	3.73724 (10010516)
4355447.5	26.73649 (10031903)	14.31522 (10061904)	10.69497 (10030423)	8.35285 (10030423)	8.32391 (10120504)
4355347.5	12.54900 (10012801)	16.30368 (10031908)	32.30389 (10031903)	33.01319 (10061904)	33.71603 (10022821)
4355247.5	18.05243 (10031908)	32.62857 (10032202)	29.32351 (10020303)	15.80199 (10031903)	11.12161 (10031903)
4355147.5	30.80959 (10013124)	9.05477 (10013124)	5.84683 (10032208)	5.51575 (10032208)	5.27019 (10082824)
4355047.5	8.84648 (10100602)	6.57458 (10013009)	5.17786 (10013009)	4.01963 (10041409)	3.92708 (10041409)
4354947.5	11.99222 (10013009)	11.04701 (10013009)	9.77587 (10013009)	8.25802 (10013009)	6.59220 (10013009)
4354847.5	14.02159 (10013009)	14.19812 (10013009)	13.95605 (10013009)	13.23515 (10013009)	12.00936 (10013009)
4354747.5	12.52464 (10013009)	13.75637 (10013009)	14.79111 (10013009)	15.52389 (10013009)	15.78307 (10013009)
4354647.5	9.45139 (10010510)	9.89017 (10013009)	11.43642 (10013009)	13.03957 (10013009)	14.54799 (10013009)

**MODELOPTs:
CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK5 ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 742791.88	742891.88	742991.88	743091.88	743191.88
4354547.5	73.14931 (10032306)	70.08295 (10122723)	62.97461 (10122721)	55.34455 (10020521)	39.10276 (10101820)
4354447.5	74.73188 (10122721)	72.09074 (10020521)	60.13357 (10101820)	67.00039 (10101820)	59.21242 (10031602)
4354347.5	18.35391 (10081321)	17.49847 (10081321)	16.69884 (10081321)	68.08605 (10051021)	61.12925 (10051021)
4354247.5	18.29354 (10081321)	17.50154 (10081321)	17.06467 (10081321)	68.03621 (10101821)	64.68810 (10101821)
4354147.5	18.24128 (10081321)	17.70342 (10100123)	17.28404 (10100123)	33.07124 (10081119)	67.19061 (10052623)
4354047.5	18.49825 (10100123)	17.97493 (10081021)	17.57133 (10081021)	33.96551 (10122917)	55.37082 (10070101)
4353947.5	18.67504 (10081021)	30.04147 (10061005)	28.95660 (10061005)	34.11275 (10022518)	48.64996 (10092202)
4353847.5	31.67327 (10061005)	30.45949 (10061005)	29.33039 (10061005)	28.27793 (10061005)	71.10777 (10032221)
4353747.5	32.10532 (10061005)	30.84317 (10061005)	29.67249 (10061005)	28.58412 (10061005)	27.57003 (10061005)
4353647.5	32.49440 (10061005)	31.18764 (10061005)	29.97883 (10061005)	28.85767 (10061005)	27.81524 (10061005)
4353547.5	32.83485 (10061005)	31.48828 (10061005)	30.24555 (10061005)	29.09534 (10061005)	28.02788 (10061005)
4353447.5	33.12144 (10061005)	31.74078 (10061005)	30.46911 (10061005)	29.29418 (10061005)	28.20549 (10061005)
4353347.5	33.34954 (10061005)	31.94135 (10061005)	30.64639 (10061005)	29.45164 (10061005)	28.34596 (10061005)
4353247.5	33.51529 (10061005)	32.08688 (10061005)	30.77487 (10061005)	29.56561 (10061005)	28.44753 (10061005)
4353147.5	33.61580 (10061005)	32.17505 (10061005)	30.85262 (10061005)	29.63453 (10061005)	28.50891 (10061005)
4353047.5	33.64927 (10061005)	32.20440 (10061005)	30.87850 (10061005)	29.65746 (10061005)	28.52932 (10061005)
4352947.5	27.73248 (10012214)	26.54392 (10012214)	25.45298 (10012214)	24.44811 (10012214)	23.51951 (10012214)
4352847.5	27.64901 (10012214)	26.47071 (10012214)	25.38841 (10012214)	24.39087 (10012214)	23.46853 (10012216)
4352747.5	27.51174 (10012214)	26.35018 (10012214)	25.28201 (10012214)	24.29648 (10012214)	23.38441 (10012216)
4352647.5	27.32306 (10012214)	26.18426 (10012216)	25.13535 (10012214)	24.92162 (10072322)	23.40402 (10072322)
4352547.5	27.08615 (10012214)	25.97554 (10012214)	24.95055 (10012216)	25.09462 (10072322)	23.97994 (10072322)
4352447.5	27.67914 (10072322)	26.10766 (10072322)	25.39727 (10072322)	25.21139 (10072322)	24.43263 (10072322)
4352347.5	28.80325 (10072322)	27.27819 (10072322)	26.23753 (10072322)	25.40886 (10072322)	24.37923 (10072322)
4352247.5	29.58203 (10072322)	27.97789 (10072322)	26.50557 (10072322)	25.35077 (10072322)	24.34523 (10072322)
4352147.5	29.64779 (10072322)	27.93762 (10072322)	26.43484 (10072322)	25.24591 (10072322)	24.20623 (10072322)
4352047.5	29.41965 (10072322)	27.62726 (10072322)	26.17977 (10072322)	24.96968 (10072322)	24.02967 (10072322)
4351947.5	28.92014 (10072322)	27.27485 (10072322)	25.95155 (10072322)	24.72237 (10072322)	23.69913 (10072322)
4351847.5	28.31536 (10072322)	26.81869 (10072322)	25.49270 (10072322)	24.38132 (10072322)	31.12543 (10100903)
4351747.5	25.73445 (10052603)	26.26983 (10072322)	25.01081 (10072322)	23.89473 (10072322)	25.49722 (10052603)
4351647.5	23.50559 (10012215)	22.76871 (10012215)	25.12869 (10052603)	29.66745 (10052603)	54.32569 (10021506)
4351547.5	32.30060 (10122622)	50.04029 (10060423)	62.96753 (10120102)	64.83217 (10120102)	62.72929 (10061603)
4351447.5	70.24518 (10010601)	48.14342 (10010601)	38.36400 (10060423)	49.50918 (10060423)	61.38847 (10120102)
4351347.5	68.20736 (10052004)	67.19218 (10010601)	55.46278 (10010601)	49.38056 (10012215)	42.24079 (10012215)
4351247.5	59.07193 (10030803)	64.86884 (10030803)	61.58310 (10052004)	52.43481 (10010601)	49.01472 (10012215)
4351147.5	62.84235 (10051624)	50.52270 (10030803)	55.41745 (10030803)	45.76665 (10052004)	47.45700 (10012215)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK5 ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 743291.88	743391.88	743491.88	743591.88	743691.88
4358547.5	30.00095 (10120313)	28.01171 (10120313)	24.57961 (10120313)	20.31688 (10120313)	15.85488 (10120313)
4358447.5	29.69634 (10120313)	26.80697 (10120313)	22.72360 (10120313)	18.13173 (10120313)	13.65023 (10120313)
4358347.5	28.88585 (10120313)	25.17010 (10120313)	20.57894 (10120313)	15.82631 (10120313)	12.53099 (10052110)
4358247.5	27.57137 (10120313)	23.15213 (10120313)	18.22701 (10120313)	13.48793 (10120313)	14.00507 (10052110)
4358147.5	25.78370 (10120313)	20.82804 (10120313)	15.76150 (10120313)	13.41262 (10052110)	15.34418 (10052110)
4358047.5	23.58351 (10120313)	18.29269 (10120313)	13.28152 (10120313)	14.93601 (10052110)	16.45341 (10052110)
4357947.5	21.05931 (10120313)	15.65414 (10120313)	14.37107 (10052110)	16.27581 (10052110)	17.23690 (10052110)
4357847.5	18.32214 (10120313)	13.64778 (10052110)	15.93199 (10052110)	17.32380 (10052110)	17.60868 (10052110)
4357747.5	15.49697 (10120313)	15.41098 (10052110)	17.24875 (10052110)	17.97519 (10052110)	17.50499 (10052110)
4357647.5	14.70713 (10052110)	16.99164 (10052110)	18.19920 (10052110)	18.14245 (10052110)	16.89626 (10052110)
4357547.5	16.53574 (10052110)	18.25314 (10052110)	18.67119 (10052110)	17.77009 (10052110)	15.79629 (10052110)
4357447.5	18.11023 (10052110)	19.05945 (10052110)	18.58006 (10052110)	16.84779 (10052110)	14.26608 (10052110)
4357347.5	19.27324 (10052110)	19.29439 (10052110)	17.88583 (10052110)	15.41859 (10052110)	12.63481 (10052111)
4357247.5	19.87645 (10052110)	18.88303 (10052110)	16.60663 (10052110)	13.57913 (10052110)	14.08359 (10052111)
4357147.5	19.80539 (10052110)	17.81089 (10052110)	14.82406 (10052110)	14.02034 (10052111)	15.13723 (10052111)
4357047.5	19.00506 (10052110)	16.13604 (10052110)	13.87768 (10052111)	15.29570 (10052111)	15.63838 (10052111)
4356947.5	17.49983 (10052110)	13.98890 (10052110)	15.38793 (10052111)	16.01922 (10052111)	15.47564 (10052111)
4356847.5	15.40130 (10052110)	15.40146 (10052111)	16.35815 (10052111)	16.04627 (10052111)	17.71026 (10091906)
4356747.5	15.32290 (10052111)	16.64239 (10052111)	16.60612 (10052111)	17.53687 (10091906)	20.74116 (10091906)
4356647.5	16.85715 (10052111)	17.14502 (10052111)	17.30344 (10091906)	20.82598 (10091906)	24.57304 (10052109)
4356547.5	17.65037 (10052111)	17.00315 (10091906)	20.86344 (10091906)	24.72118 (10052109)	27.90695 (10052109)
4356447.5	17.50191 (10052111)	20.84512 (10091906)	24.82884 (10052109)	28.38592 (10052109)	29.97025 (10052109)
4356347.5	20.76155 (10091906)	24.88810 (10052109)	28.85550 (10052109)	30.73767 (10052109)	30.28411 (10052109)
4356247.5	24.88983 (10052109)	29.31019 (10052109)	31.53207 (10052109)	31.21829 (10052109)	28.63547 (10052109)
4356147.5	29.74322 (10052109)	32.35291 (10052109)	32.20744 (10052109)	29.56142 (10052109)	25.18561 (10052109)
4356047.5	33.19897 (10052109)	33.25599 (10052109)	30.54997 (10052109)	25.92832 (10052109)	20.46934 (10052109)
4355947.5	34.36868 (10052109)	31.60764 (10052109)	26.71783 (10052109)	20.91365 (10052109)	15.26252 (10052109)
4355847.5	32.74189 (10052109)	27.55876 (10052109)	21.37438 (10052109)	15.39044 (10052109)	10.35810 (10052109)
4355747.5	28.45635 (10052109)	21.85187 (10052109)	15.50590 (10052109)	10.24350 (10052109)	6.98810 (10111921)
4355647.5	22.34628 (10052109)	15.60583 (10052109)	10.10231 (10052109)	6.92190 (10111921)	6.31853 (10052115)
4355547.5	15.68659 (10052109)	9.93124 (10052109)	6.82704 (10111921)	7.07570 (10052115)	9.51000 (10052115)
4355447.5	9.72673 (10052109)	6.72728 (10111921)	7.94200 (10052115)	10.56486 (10052115)	12.96329 (10052115)
4355347.5	6.57148 (10111921)	8.93365 (10052115)	11.74046 (10052115)	14.17643 (10052115)	15.87091 (10052115)
4355247.5	10.06843 (10052115)	13.04375 (10052115)	15.46202 (10052115)	16.93715 (10052115)	17.29460 (10052115)
4355147.5	14.47772 (10052115)	16.80065 (10052115)	17.95340 (10052115)	17.83547 (10052115)	16.60997 (10052115)
4355047.5	18.16049 (10052115)	18.86688 (10052115)	18.17100 (10052115)	16.37205 (10052115)	14.41926 (10112713)
4354947.5	19.60970 (10052115)	18.23617 (10052115)	15.83256 (10052115)	15.00852 (10112713)	14.55145 (10112713)
4354847.5	17.96289 (10052115)	15.84424 (10112713)	15.49857 (10112713)	14.76404 (10112713)	13.74286 (10112713)
4354747.5	16.51546 (10112713)	15.84564 (10112713)	14.80064 (10112713)	15.18024 (10052117)	16.79112 (10052117)
4354647.5	15.99804 (10112713)	15.58216 (10052117)	17.52612 (10052117)	18.56664 (10052117)	18.67039 (10052117)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK5 ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 743291.88	743391.88	743491.88	743591.88	743691.88
4354547.5	24.50559 (10101820)	19.61420 (10052117)	19.80545 (10052117)	18.99846 (10052117)	17.43482 (10052117)
4354447.5	36.91934 (10051021)	20.19581 (10052117)	18.39175 (10052117)	16.04821 (10052117)	13.50116 (10052117)
4354347.5	39.27237 (10101821)	24.27442 (10101821)	19.66963 (10052024)	13.53943 (10052623)	11.72771 (10122917)
4354247.5	51.38415 (10052024)	35.25982 (10052623)	24.28664 (10070101)	15.00914 (10121917)	16.44418 (10121917)
4354147.5	58.05842 (10070101)	33.85599 (10070101)	18.56694 (10121917)	19.26629 (10121917)	19.37140 (10121917)
4354047.5	50.59533 (10122724)	32.79081 (10122724)	20.70909 (10121917)	19.73269 (10121917)	19.93196 (10112801)
4353947.5	52.77114 (10032221)	45.42870 (10032221)	32.18136 (10032221)	23.01075 (10112801)	22.65693 (10112801)
4353847.5	67.26537 (10051122)	57.78719 (10051122)	38.44671 (10041605)	28.64044 (10041605)	27.68009 (10061005)
4353747.5	26.62312 (10061005)	66.51521 (10010606)	54.02897 (10010606)	42.79210 (10061005)	45.51443 (10061005)
4353647.5	26.84372 (10061005)	66.81285 (10081021)	62.37030 (10081021)	58.52883 (10061005)	58.54812 (10061005)
4353547.5	27.03470 (10061005)	26.10844 (10061005)	63.94499 (10102620)	58.65342 (10102620)	58.48718 (10061005)
4353447.5	27.19399 (10061005)	26.25183 (10061005)	25.37217 (10061005)	60.56451 (10032201)	46.70287 (10032201)
4353347.5	27.31981 (10061005)	26.36497 (10061005)	25.47427 (10061005)	61.87423 (10101920)	47.11480 (10101920)
4353247.5	27.41071 (10061005)	26.44663 (10061005)	25.54791 (10061005)	62.79957 (10031620)	56.39531 (10031620)
4353147.5	27.46561 (10061005)	26.49593 (10061005)	33.46883 (10031620)	33.38940 (10050421)	29.07845 (10050421)
4353047.5	27.48386 (10061005)	26.51231 (10061005)	44.14122 (10081022)	42.34465 (10081022)	33.44991 (10081022)
4352947.5	22.65882 (10012214)	21.85887 (10012214)	55.67321 (10111703)	51.88424 (10111703)	39.90282 (10111703)
4352847.5	22.61323 (10012216)	21.81793 (10012214)	31.03911 (10091619)	57.42203 (10111703)	50.70653 (10111703)
4352747.5	22.53795 (10012216)	21.75029 (10012214)	21.01554 (10012214)	25.90707 (10091822)	45.87538 (10012214)
4352647.5	22.43386 (10012214)	21.99999 (10072322)	21.96542 (10072322)	22.29137 (10103104)	49.99704 (10012214)
4352547.5	22.64113 (10072322)	21.94473 (10072322)	21.52053 (10072322)	21.25769 (10072322)	41.87472 (10012214)
4352447.5	23.15088 (10072322)	22.20520 (10072322)	21.66385 (10072322)	21.30134 (10072322)	28.42389 (10050620)
4352347.5	23.42519 (10072322)	22.36510 (10072322)	21.72052 (10072322)	61.64081 (10050620)	58.11016 (10050620)
4352247.5	23.41123 (10072322)	22.54200 (10072322)	21.74894 (10072322)	48.27477 (10071524)	48.87146 (10012216)
4352147.5	23.53583 (10072322)	67.21076 (10072322)	48.07689 (10072322)	57.36066 (10071524)	58.28128 (10071524)
4352047.5	29.79656 (10092718)	85.59377 (10072322)	85.63037 (10072322)	76.39496 (10072322)	61.85538 (10072322)
4351947.5	22.80094 (10072322)	58.32661 (10112604)	56.17034 (10072322)	70.54940 (10072322)	77.85472 (10072322)
4351847.5	22.37184 (10072322)	53.54596 (10112604)	59.96389 (10112604)	57.41916 (10112604)	48.09523 (10112604)
4351747.5	43.86402 (10021506)	29.97741 (10110101)	31.29300 (10112604)	38.11885 (10112604)	43.84925 (10112604)
4351647.5	62.37985 (10021506)	56.46758 (10021506)	38.33514 (10021506)	21.09774 (10100903)	20.01089 (10100903)
4351547.5	48.75964 (10061603)	49.95072 (10021506)	44.13681 (10021506)	29.66702 (10021506)	16.49007 (10021506)
4351447.5	58.93093 (10061603)	48.81537 (10061603)	27.97843 (10061603)	19.14681 (10021506)	18.27764 (10021506)
4351347.5	49.99137 (10120102)	45.72549 (10120102)	30.24632 (10061603)	17.85749 (10061603)	13.38440 (10052603)
4351247.5	43.85927 (10012215)	36.56435 (10012215)	28.66558 (10012215)	21.30515 (10012215)	15.11785 (10012215)
4351147.5	47.79744 (10012215)	44.49903 (10012215)	38.67434 (10012215)	31.64892 (10012215)	24.57121 (10012215)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK5 ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 743791.88	743891.88	743991.88	744091.88	744191.88
4358547.5	11.72089 (10052110)	13.62477 (10052110)	14.97083 (10052110)	15.58770 (10052110)	15.41561 (10052110)
4358447.5	13.13830 (10052110)	14.77929 (10052110)	15.71041 (10052110)	15.82111 (10052110)	15.13027 (10052110)
4358347.5	14.45959 (10052110)	15.71994 (10052110)	16.14531 (10052110)	15.70589 (10052110)	14.50663 (10052110)
4358247.5	15.60210 (10052110)	16.37077 (10052110)	16.22357 (10052110)	15.22511 (10052110)	13.56440 (10052110)
4358147.5	16.47944 (10052110)	16.66496 (10052110)	15.91327 (10052110)	14.38727 (10052110)	12.34737 (10052110)
4358047.5	17.00990 (10052110)	16.55377 (10052110)	15.20898 (10052110)	13.22839 (10052110)	10.92082 (10052110)
4357947.5	17.12650 (10052110)	16.01499 (10052110)	14.13581 (10052110)	11.81064 (10052110)	12.00429 (10052111)
4357847.5	16.78746 (10052110)	15.05935 (10052110)	12.74989 (10052110)	11.91119 (10052111)	12.93124 (10052111)
4357747.5	15.98535 (10052110)	13.73333 (10052110)	11.76494 (10052111)	12.98102 (10052111)	13.52652 (10052111)
4357647.5	14.75273 (10052110)	12.11700 (10052110)	12.98288 (10052111)	13.72670 (10052111)	13.70955 (10052111)
4357547.5	13.16261 (10052110)	12.93029 (10052111)	13.89015 (10052111)	14.05148 (10052111)	13.43156 (10052111)
4357447.5	12.81651 (10052111)	14.00957 (10052111)	14.37259 (10052111)	13.88966 (10052111)	15.54508 (10091906)
4357347.5	14.07693 (10052111)	14.66605 (10052111)	14.34517 (10052111)	15.41443 (10091906)	17.88774 (10091906)
4357247.5	14.92394 (10052111)	14.79290 (10052111)	15.24476 (10091906)	17.92634 (10091906)	20.65942 (10052109)
4357147.5	15.22653 (10052111)	15.03228 (10091906)	17.93278 (10091906)	20.70787 (10052109)	23.43413 (10052109)
4357047.5	14.90229 (10052111)	17.90240 (10091906)	20.72636 (10052109)	23.69914 (10052109)	25.49927 (10052109)
4356947.5	17.83008 (10091906)	20.71047 (10052109)	23.94959 (10052109)	25.97383 (10052109)	26.53204 (10052109)
4356847.5	20.65527 (10052109)	24.18175 (10052109)	26.45392 (10052109)	27.16828 (10052109)	26.30773 (10052109)
4356747.5	24.39126 (10052109)	26.93774 (10052109)	27.82953 (10052109)	27.02132 (10052109)	24.76582 (10052109)
4356647.5	27.42303 (10052109)	28.51653 (10052109)	27.77276 (10052109)	25.45261 (10052109)	22.04621 (10052109)
4356547.5	29.22996 (10052109)	28.56492 (10052109)	26.17919 (10052109)	22.60775 (10052109)	18.47734 (10052109)
4356447.5	29.40090 (10052109)	26.94913 (10052109)	23.19974 (10052109)	18.84696 (10052109)	14.51195 (10052109)
4356347.5	27.76639 (10052109)	23.82474 (10052109)	19.23040 (10052109)	14.67132 (10052109)	10.62618 (10052109)
4356247.5	24.48562 (10052109)	19.62824 (10052109)	14.82744 (10052109)	10.60560 (10052109)	7.21425 (10052109)
4356147.5	20.04104 (10052109)	14.97906 (10052109)	10.57053 (10052109)	7.07656 (10052109)	5.57622 (10111921)
4356047.5	15.12468 (10052109)	10.51907 (10052109)	7.04683 (10111921)	5.50609 (10111921)	5.71284 (10052115)
4355947.5	10.44906 (10052109)	7.04595 (10111921)	5.42114 (10111921)	6.30763 (10052115)	8.16817 (10052115)
4355847.5	7.02654 (10111921)	5.31874 (10111921)	6.97544 (10052115)	8.96095 (10052115)	10.82548 (10052115)
4355747.5	5.65605 (10052115)	7.72528 (10052115)	9.83330 (10052115)	11.74072 (10052115)	13.22658 (10052115)
4355647.5	8.56679 (10052115)	10.78970 (10052115)	12.71302 (10052115)	14.10205 (10052115)	14.81088 (10052115)
4355547.5	11.83300 (10052115)	13.73499 (10052115)	14.97436 (10052115)	15.42815 (10052115)	15.10470 (10052115)
4355447.5	14.79410 (10052115)	15.81958 (10052115)	15.95517 (10052115)	15.26764 (10052115)	13.93483 (10052115)
4355347.5	16.60629 (10052115)	16.35593 (10052115)	15.26040 (10052115)	13.56450 (10052115)	12.69510 (10112713)
4355247.5	16.58920 (10052115)	15.05060 (10052115)	13.23487 (10112713)	13.10357 (10112713)	12.72235 (10112713)
4355147.5	14.60831 (10052115)	13.75415 (10112713)	13.43925 (10112713)	12.87397 (10112713)	12.11690 (10112713)
4355047.5	14.20302 (10112713)	13.67712 (10112713)	12.90974 (10112713)	12.47908 (10052117)	13.89885 (10052117)
4354947.5	13.78873 (10112713)	12.80543 (10112713)	14.32658 (10052117)	15.45432 (10052117)	15.99504 (10052117)
4354847.5	14.75687 (10052117)	16.10059 (10052117)	16.76971 (10052117)	16.76436 (10052117)	16.16160 (10052117)
4354747.5	17.62303 (10052117)	17.66358 (10052117)	17.00258 (10052117)	15.79507 (10052117)	14.22224 (10052117)
4354647.5	17.94197 (10052117)	16.57367 (10052117)	14.79114 (10052117)	12.80965 (10052117)	10.80690 (10052117)

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STCK5 ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 743791.88	743891.88	743991.88	744091.88	744191.88
4354547.5	15.39943 (10052117)	13.15963 (10052117)	10.92933 (10052117)	8.85633 (10052117)	10.10124 (10121917)
4354447.5	11.00953 (10052117)	11.07784 (10122917)	11.47766 (10121917)	12.88564 (10121917)	14.03074 (10121917)
4354347.5	13.09969 (10121917)	14.54972 (10121917)	15.64231 (10121917)	16.34459 (10121917)	16.65754 (10121917)
4354247.5	17.40217 (10121917)	17.87123 (10121917)	17.88145 (10121917)	17.49222 (10121917)	16.77926 (10121917)
4354147.5	18.95827 (10121917)	18.12963 (10121917)	18.16186 (10112801)	18.84720 (10112801)	19.18189 (10112801)
4354047.5	20.65372 (10112801)	20.93138 (10112801)	20.80842 (10112801)	20.34597 (10112801)	19.61123 (10112801)
4353947.5	21.90657 (10112801)	20.84908 (10112801)	21.86228 (10061005)	24.68438 (10061005)	27.36970 (10061005)
4353847.5	31.00324 (10061005)	34.04756 (10061005)	36.75447 (10061005)	39.08649 (10061005)	41.02516 (10061005)
4353747.5	47.65753 (10061005)	49.23315 (10061005)	50.27267 (10061005)	50.82074 (10061005)	50.92984 (10061005)
4353647.5	58.00610 (10061005)	57.00248 (10061005)	55.63075 (10061005)	53.97539 (10061005)	52.11065 (10061005)
4353547.5	55.52494 (10061005)	52.51407 (10061005)	49.51577 (10061005)	46.57568 (10061005)	43.72667 (10061005)
4353447.5	41.50881 (10061005)	38.24765 (10061005)	35.23961 (10061005)	32.47390 (10061005)	29.93697 (10061005)
4353347.5	26.12956 (10101920)	21.87762 (10061005)	19.93042 (10061005)	18.19110 (10061005)	16.63512 (10061005)
4353247.5	38.79998 (10031620)	24.03384 (10031620)	13.51776 (10031620)	12.09065 (10111920)	11.50714 (10111920)
4353147.5	20.95307 (10050421)	13.65321 (10031304)	11.43953 (10030405)	10.32271 (10030405)	9.78159 (10100408)
4353047.5	22.38807 (10081022)	12.83291 (10081022)	12.05900 (10081022)	10.69615 (10082906)	9.85306 (10082906)
4352947.5	28.04511 (10111703)	19.51460 (10111703)	16.23011 (10081022)	13.67476 (10012214)	12.99330 (10112805)
4352847.5	39.83148 (10111703)	29.74283 (10111703)	26.79432 (10012214)	25.28253 (10012214)	23.88893 (10012214)
4352747.5	43.60792 (10012214)	41.44351 (10012214)	39.38567 (10012214)	37.43508 (10012214)	35.59042 (10012214)
4352647.5	48.78027 (10012214)	47.44767 (10012214)	46.03526 (10012214)	44.57259 (10012214)	43.08362 (10012214)
4352547.5	42.52028 (10012214)	42.87408 (10012214)	42.97168 (10012214)	42.84770 (10012214)	42.53486 (10012214)
4352447.5	29.62169 (10012216)	30.71826 (10012214)	32.17057 (10012214)	33.38598 (10012214)	34.37264 (10012214)
4352347.5	42.77781 (10050620)	38.98797 (10012216)	35.61931 (10012216)	32.37157 (10012216)	29.29515 (10012216)
4352247.5	48.02737 (10050620)	46.16109 (10012216)	44.06969 (10012216)	41.67447 (10012216)	39.09277 (10012216)
4352147.5	51.80946 (10071524)	43.89631 (10012216)	44.21206 (10012216)	43.89257 (10012216)	43.03608 (10012216)
4352047.5	44.55473 (10072322)	38.33098 (10071524)	36.24077 (10012216)	38.08972 (10012216)	39.34395 (10012216)
4351947.5	74.27838 (10072322)	55.83155 (10072322)	38.92633 (10072322)	27.42133 (10012216)	30.06097 (10012216)
4351847.5	52.05927 (10072322)	51.84950 (10072322)	46.78566 (10072322)	31.48276 (10072322)	19.31434 (10012216)
4351747.5	42.29180 (10112604)	33.50035 (10112604)	25.71813 (10072322)	23.33194 (10072322)	18.14291 (10072322)
4351647.5	22.91903 (10112604)	25.24728 (10112604)	25.31592 (10112604)	19.62151 (10112604)	12.44408 (10092718)
4351547.5	14.46237 (10100903)	15.34097 (10100903)	14.31392 (10100903)	11.23462 (10012224)	9.02528 (10012224)
4351447.5	13.65027 (10021506)	9.88449 (10122812)	8.65784 (10122812)	7.67269 (10100903)	7.05329 (10011105)
4351347.5	12.09569 (10052603)	9.81386 (10052603)	7.92506 (10122812)	6.95004 (10122812)	5.85077 (10122812)
4351247.5	10.30502 (10012215)	8.13690 (10010906)	6.71584 (10082914)	6.19311 (10082914)	5.71369 (10122812)
4351147.5	18.21750 (10012215)	12.97357 (10012215)	8.91968 (10012215)	5.94711 (10012215)	6.41221 (10082914)

CONC RURAL ELEV DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK1	1ST HIGHEST VALUE IS 0.96546	AT (739491.88, 4354147.50, 2000.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 0.91698	AT (739591.88, 4354047.50, 1990.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 0.87801	AT (739491.88, 4354047.50, 2000.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 0.85545	AT (739391.88, 4354147.50, 1998.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 0.79010	AT (739691.88, 4354047.50, 1983.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 0.75120	AT (739391.88, 4354247.50, 1988.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 0.74755	AT (739391.88, 4354047.50, 2011.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 0.73509	AT (739491.88, 4353947.50, 1991.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 0.71203	AT (739391.88, 4353947.50, 1999.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 0.69698	AT (739491.88, 4354247.50, 1982.00, 0.00)	GC	UCART1
TRUCK	1ST HIGHEST VALUE IS 4.33141	AT (739891.88, 4354147.50, 1959.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 4.10379	AT (739991.88, 4354047.50, 1955.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 4.00379	AT (739691.88, 4354447.50, 1956.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 3.73071	AT (739791.88, 4354247.50, 1959.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 3.33761	AT (740091.88, 4354047.50, 1948.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 3.32616	AT (739791.88, 4354447.50, 1952.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 3.22488	AT (740191.88, 4353747.50, 1939.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 3.07201	AT (740191.88, 4353847.50, 1938.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 3.05710	AT (739691.88, 4354347.50, 1957.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 3.01890	AT (739691.88, 4354547.50, 1954.00, 0.00)	GC	UCART1
LOADER	1ST HIGHEST VALUE IS 7.15508	AT (739991.88, 4354047.50, 1955.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 6.02884	AT (739991.88, 4354147.50, 1951.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 5.55890	AT (739891.88, 4354147.50, 1959.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 5.55081	AT (739991.88, 4353947.50, 1954.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 5.19215	AT (739691.88, 4354547.50, 1954.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 5.05746	AT (740091.88, 4354047.50, 1948.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 4.82893	AT (739691.88, 4354447.50, 1956.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 4.75440	AT (740191.88, 4353747.50, 1939.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 4.51031	AT (740091.88, 4353747.50, 1943.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 4.43499	AT (739791.88, 4354447.50, 1952.00, 0.00)	GC	UCART1

CONC RURAL ELEV DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK2	1ST HIGHEST VALUE IS	1.67890 AT	(740091.88, 4354347.50, 1939.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	1.65489 AT	(740491.88, 4353647.50, 1921.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	1.58259 AT	(739991.88, 4354447.50, 1940.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	1.52027 AT	(740491.88, 4353547.50, 1920.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	1.48512 AT	(740091.88, 4354147.50, 1943.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	1.46888 AT	(740491.88, 4353747.50, 1922.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	1.46237 AT	(740091.88, 4354447.50, 1934.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	1.45625 AT	(739891.88, 4355247.50, 1953.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	1.41379 AT	(739991.88, 4355247.50, 1946.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	1.38750 AT	(740191.88, 4354347.50, 1931.00, 0.00)	GC	UCART1
STCK3	1ST HIGHEST VALUE IS	5.97717 AT	(740391.88, 4353847.50, 1927.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	4.63201 AT	(740391.88, 4353747.50, 1928.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	4.22663 AT	(740391.88, 4353947.50, 1924.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	3.83893 AT	(740491.88, 4353847.50, 1921.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	3.64464 AT	(740291.88, 4353847.50, 1932.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	3.43800 AT	(740091.88, 4354347.50, 1939.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	3.37968 AT	(740291.88, 4353747.50, 1933.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	3.31573 AT	(740091.88, 4354447.50, 1934.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	3.22443 AT	(740191.88, 4354347.50, 1931.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	3.01492 AT	(740291.88, 4353947.50, 1933.00, 0.00)	GC	UCART1
STCK4	1ST HIGHEST VALUE IS	3.45797 AT	(740091.88, 4353547.50, 1941.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	3.30416 AT	(740091.88, 4353647.50, 1943.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	3.19750 AT	(739991.88, 4353647.50, 1949.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	3.08631 AT	(739991.88, 4353747.50, 1948.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	3.03722 AT	(740091.88, 4353747.50, 1943.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	3.00167 AT	(740191.88, 4353647.50, 1938.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	2.99838 AT	(740191.88, 4353547.50, 1936.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	2.97629 AT	(739991.88, 4353547.50, 1944.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	2.82304 AT	(739991.88, 4353847.50, 1949.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	2.81410 AT	(740191.88, 4353747.50, 1939.00, 0.00)	GC	UCART1

CONC RURAL ELEV DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK5	1ST HIGHEST VALUE IS 5.05461	AT (740191.88, 4353647.50, 1938.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 4.72186	AT (740191.88, 4353547.50, 1936.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 4.66229	AT (740291.88, 4353647.50, 1932.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 4.61057	AT (740291.88, 4353547.50, 1930.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 4.51367	AT (740191.88, 4353447.50, 1931.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 4.36317	AT (740291.88, 4353747.50, 1933.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 4.14998	AT (740191.88, 4353747.50, 1939.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 4.07675	AT (740091.88, 4353547.50, 1941.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 3.98298	AT (740091.88, 4353647.50, 1943.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 3.92658	AT (740191.88, 4353847.50, 1938.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs:
CONC RURAL ELEV DFAULT

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
STCK1	HIGH	1ST HIGH VALUE IS	240.91837	ON 10121915: AT (	740291.88,	4353947.50,	1933.00,	0.00)	GC	UCART1
TRUCK	HIGH	1ST HIGH VALUE IS	1805.48047	ON 10012215: AT (	740391.88,	4353947.50,	1924.00,	0.00)	GC	UCART1
LOADER	HIGH	1ST HIGH VALUE IS	2981.01563	ON 10103010: AT (	740291.88,	4353847.50,	1932.00,	0.00)	GC	UCART1
STCK2	HIGH	1ST HIGH VALUE IS	1506.82727	ON 10112715: AT (	740691.88,	4353947.50,	1881.00,	0.00)	GC	UCART1
STCK3	HIGH	1ST HIGH VALUE IS	1066.06360	ON 10010110: AT (	740591.88,	4353947.50,	1907.00,	0.00)	GC	UCART1
STCK4	HIGH	1ST HIGH VALUE IS	1532.39685	ON 10122010: AT (	740491.88,	4352947.50,	1906.00,	0.00)	GC	UCART1
STCK5	HIGH	1ST HIGH VALUE IS	2997.13721	ON 10012214: AT (	740591.88,	4353047.50,	1900.00,	0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

```
**MODELOPTs:
CONC                    RURAL ELEV         DFAULT


*** Message Summary : ISCST3 Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            4 Warning Message(s)
A Total of      1139077 Informational Message(s)

A Total of         3627 Calm Hours Identified

A Total of      1135450 Cases Identified with HE > ZI


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320    54 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320    56 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320    57 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
RE W282  1051 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in  MCB#9

   ************************************
   *** ISCST3 Finishes Successfully ***
   ************************************
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Kings Beach Location

Excerpts of ISCST3 Reports

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                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

  --  SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
           1. Final Plume Rise.
           2. Stack-tip Downwash.
           3. Buoyancy-induced Dispersion.
           4. Use Calms Processing Routine.
           5. Not Use Missing Data Processing Routine.
           6. Default Wind Profile Exponents.
           7. Default Vertical Potential Temperature Gradients.
           8. "Upper Bound" Values for Supersquat Buildings.
           9. No Exponential Decay for RURAL Mode

**Model Accepts Receptors on ELEV Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

**This Run Includes:     3 Source(s);      3 Source Group(s); and     441 Receptor(s)

**The Model Assumes A Pollutant Type of:  GENERIC

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Anem. Hgt. (m) =    10.00 ;    Decay Coef. =    0.000     ;    Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3
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**Approximate Storage Requirements of Model =     1.2 MB of RAM.

**Input Runstream File:          kb_kb2.INP
**Output Print File:             kb_kb2.OUT
```

CONC RURAL ELEV DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
STCK1	0	0.10000E+01	756512.1	4347989.5	1926.0	6.00	477.59	18.73	0.76	NO	
TRUCK	0	0.10000E+01	756531.5	4347979.0	6315.0	1.12	450.00	15.00	0.08	NO	HROFDY
LOADER	0	0.10000E+01	756535.0	4347979.0	6315.0	3.00	450.00	15.00	0.08	NO	HROFDY

**MODELOPTs:
CONC RURAL ELEV DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
LOADER	LOADER ,
STCK1	STCK1 ,
TRUCK	TRUCK ,

CONC RURAL ELEV DFAULT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = TRUCK ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.10000E-02	3	.10000E-02	4	.00000E+00	5	.19000E-01	6	.51000E-01
7	.87000E-01	8	.57000E-01	9	.66000E-01	10	.93000E-01	11	.87000E-01	12	.81000E-01
13	.10000E+00	14	.11200E+00	15	.13100E+00	16	.62000E-01	17	.16000E-01	18	.13000E-01
19	.11000E-01	20	.80000E-02	21	.40000E-02	22	.10000E-02	23	.10000E-02	24	.00000E+00

SOURCE ID = LOADER ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.10000E-02	3	.10000E-02	4	.00000E+00	5	.19000E-01	6	.51000E-01
7	.87000E-01	8	.57000E-01	9	.66000E-01	10	.93000E-01	11	.87000E-01	12	.81000E-01
13	.10000E+00	14	.11200E+00	15	.13100E+00	16	.62000E-01	17	.16000E-01	18	.13000E-01
19	.11000E-01	20	.80000E-02	21	.40000E-02	22	.10000E-02	23	.10000E-02	24	.00000E+00

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

755899.5, 756002.9, 756106.3, 756209.7, 756313.1, 756416.4, 756519.8, 756623.3, 756726.6, 756830.0,
756933.4, 757036.8, 757140.2, 757243.6, 757346.9, 757450.4, 757553.8, 757657.1, 757760.5, 757863.9,
757967.3,

*** Y-COORDINATES OF GRID ***
(METERS)

4346848.5, 4346941.0, 4347033.5, 4347126.0, 4347219.0, 4347311.5, 4347404.0, 4347496.5, 4347589.0, 4347681.5,
4347774.5, 4347867.0, 4347959.5, 4348052.0, 4348144.5, 4348237.0, 4348330.0, 4348422.5, 4348515.0, 4348607.5,
4348700.0,

CONC RURAL ELEV DFAULT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 755899.50	756002.88	756106.25	756209.69	756313.06	756416.44	756519.81	756623.25	756726.63
4348700.00	1969.00	1971.00	1969.00	1963.00	1965.00	1964.00	1968.00	1975.00	1979.00
4348607.50	1956.00	1958.00	1958.00	1953.00	1953.00	1958.00	1963.00	1967.00	1971.00
4348515.00	1942.00	1947.00	1948.00	1947.00	1947.00	1953.00	1953.00	1958.00	1960.00
4348422.50	1935.00	1941.00	1941.00	1941.00	1939.00	1943.00	1942.00	1946.00	1951.00
4348330.00	1926.00	1933.00	1934.00	1934.00	1933.00	1931.00	1934.00	1940.00	1951.00
4348237.00	1920.00	1925.00	1928.00	1930.00	1928.00	1925.00	1932.00	1938.00	1946.00
4348144.50	1914.00	1917.00	1923.00	1924.00	1924.00	1926.00	1931.00	1934.00	1938.00
4348052.00	1912.00	1914.00	1919.00	1920.00	1919.00	1925.00	1927.00	1928.00	1933.00
4347959.50	1910.00	1912.00	1916.00	1917.00	1915.00	1919.00	1922.00	1924.00	1930.00
4347867.00	1910.00	1910.00	1912.00	1914.00	1913.00	1915.00	1915.00	1919.00	1924.00
4347774.50	1908.00	1908.00	1909.00	1909.00	1910.00	1910.00	1912.00	1913.00	1916.00
4347681.50	1907.00	1907.00	1907.00	1907.00	1903.00	1907.00	1910.00	1911.00	1912.00
4347589.00	1906.00	1906.00	1906.00	1905.00	1902.00	1906.00	1908.00	1909.00	1909.00
4347496.50	1903.00	1903.00	1904.00	1904.00	1902.00	1904.00	1906.00	1907.00	1907.00
4347404.00	1900.00	1900.00	1902.00	1903.00	1901.00	1903.00	1904.00	1905.00	1906.00
4347311.50	1899.00	1899.00	1899.00	1899.00	1899.00	1900.00	1902.00	1903.00	1904.00
4347219.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00
4347126.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00
4347033.50	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00
4346941.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00
4346848.50	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00

CONC RURAL ELEV DFAULT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 756830.00	756933.38	757036.81	757140.19	757243.56	757346.94	757450.38	757553.75	757657.13
4348700.00	1985.00	1983.00	1984.00	1993.00	2005.00	2014.00	2020.00	2027.00	2036.00
4348607.50	1970.00	1974.00	1986.00	1997.00	2004.00	2011.00	2017.00	2023.00	2028.00
4348515.00	1962.00	1976.00	1982.00	1988.00	1996.00	2003.00	2012.00	2017.00	2024.00
4348422.50	1963.00	1969.00	1976.00	1981.00	1987.00	1994.00	2002.00	2007.00	2020.00
4348330.00	1958.00	1962.00	1967.00	1972.00	1977.00	1983.00	1990.00	2000.00	2016.00
4348237.00	1954.00	1956.00	1958.00	1962.00	1967.00	1973.00	1981.00	1995.00	2010.00
4348144.50	1945.00	1947.00	1950.00	1953.00	1957.00	1964.00	1974.00	1986.00	2003.00
4348052.00	1937.00	1938.00	1941.00	1944.00	1950.00	1959.00	1970.00	1980.00	1994.00
4347959.50	1931.00	1933.00	1934.00	1936.00	1943.00	1954.00	1966.00	1975.00	1988.00
4347867.00	1926.00	1927.00	1926.00	1931.00	1938.00	1951.00	1963.00	1972.00	1988.00
4347774.50	1918.00	1920.00	1922.00	1926.00	1933.00	1944.00	1958.00	1968.00	1984.00
4347681.50	1913.00	1913.00	1917.00	1920.00	1926.00	1935.00	1951.00	1966.00	1982.00
4347589.00	1910.00	1911.00	1913.00	1914.00	1920.00	1924.00	1942.00	1962.00	1976.00
4347496.50	1908.00	1909.00	1910.00	1911.00	1914.00	1918.00	1930.00	1955.00	1965.00
4347404.00	1906.00	1906.00	1907.00	1909.00	1911.00	1913.00	1920.00	1941.00	1956.00
4347311.50	1904.00	1903.00	1904.00	1905.00	1907.00	1910.00	1913.00	1924.00	1945.00
4347219.00	1899.00	1899.00	1900.00	1901.00	1904.00	1908.00	1911.00	1917.00	1933.00
4347126.00	1899.00	1899.00	1899.00	1899.00	1901.00	1906.00	1909.00	1913.00	1925.00
4347033.50	1899.00	1899.00	1899.00	1899.00	1899.00	1902.00	1906.00	1910.00	1921.00
4346941.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1902.00	1908.00	1921.00
4346848.50	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1899.00	1907.00	1922.00

CONC RURAL ELEV DFAULT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 757760.50	757863.94	757967.31
4348700.00	2053.00	2078.00	2095.00
4348607.50	2043.00	2067.00	2093.00
4348515.00	2048.00	2077.00	2098.00
4348422.50	2050.00	2081.00	2101.00
4348330.00	2039.00	2066.00	2101.00
4348237.00	2029.00	2062.00	2103.00
4348144.50	2024.00	2059.00	2103.00
4348052.00	2019.00	2056.00	2102.00
4347959.50	2014.00	2053.00	2098.00
4347867.00	2012.00	2046.00	2092.00
4347774.50	2006.00	2038.00	2083.00
4347681.50	2001.00	2031.00	2071.00
4347589.00	1993.00	2021.00	2063.00
4347496.50	1981.00	2011.00	2057.00
4347404.00	1970.00	2003.00	2054.00
4347311.50	1962.00	1997.00	2039.00
4347219.00	1956.00	1992.00	2028.00
4347126.00	1951.00	1980.00	2032.00
4347033.50	1949.00	1981.00	2038.00
4346941.00	1947.00	1981.00	2036.00
4346848.50	1947.00	1977.00	2031.00

CONC RURAL ELEV DFAULT

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

CONC RURAL ELEV DFAULT

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: C:\2011FI~1\1PROJE~1\1PLACE~1\Modeling\P10.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 0 UPPER AIR STATION NO.: 23230
NAME: UNKNOWN NAME: OAKLAND/WSO_AP
YEAR: 2002 YEAR: 2002

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
02	01	01	01	43.8	1.10	274.4	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	02	306.4	1.16	274.3	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	03	56.9	1.59	274.0	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	04	38.0	1.43	274.8	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	05	28.5	1.43	274.5	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	06	353.8	1.40	275.0	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	07	84.5	1.61	276.0	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00
02	01	01	08	44.6	1.06	275.4	5	8.8	919.0	0.0000	0.0	0.0000	0	0.00
02	01	01	09	91.1	1.00	275.8	4	23.8	782.3	0.0000	0.0	0.0000	0	0.00
02	01	01	10	29.5	1.06	276.7	3	38.9	645.6	0.0000	0.0	0.0000	0	0.00
02	01	01	11	57.0	1.00	278.3	2	53.9	509.0	0.0000	0.0	0.0000	0	0.00
02	01	01	12	35.5	2.02	278.4	1	68.9	372.3	0.0000	0.0	0.0000	0	0.00
02	01	01	13	257.7	1.46	278.1	2	84.0	235.7	0.0000	0.0	0.0000	0	0.00
02	01	01	14	249.0	1.04	278.7	3	18.0	18.0	0.0000	0.0	0.0000	0	0.00
02	01	01	15	24.3	1.00	278.4	2	18.0	18.0	0.0000	0.0	0.0000	0	0.00
02	01	01	16	326.1	1.00	279.0	1	18.0	18.0	0.0000	0.0	0.0000	0	0.00
02	01	01	17	73.7	1.12	278.8	2	18.0	136.1	0.0000	0.0	0.0000	0	0.00
02	01	01	18	306.7	1.25	277.1	3	18.0	259.3	0.0000	0.0	0.0000	0	0.00
02	01	01	19	285.6	1.66	276.9	4	18.0	18.0	0.0000	0.0	0.0000	0	0.00
02	01	01	20	58.0	1.46	275.7	5	18.0	505.9	0.0000	0.0	0.0000	0	0.00
02	01	01	21	88.7	1.36	273.9	6	18.0	629.2	0.0000	0.0	0.0000	0	0.00
02	01	01	22	149.1	1.20	274.3	6	18.0	752.4	0.0000	0.0	0.0000	0	0.00
02	01	01	23	142.8	1.00	274.0	6	18.0	875.7	0.0000	0.0	0.0000	0	0.00
02	01	01	24	350.2	1.31	275.4	6	18.0	918.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV DFAULT

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADER ***
INCLUDING SOURCE(S): LOADER ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 755899.50	756002.88	756106.25	756209.69	756313.06	756416.44	756519.81	756623.25	756726.63
4348700.00	0.11399	0.12860	0.12648	0.11618	0.12808	0.19304	0.23978	0.16525	0.10296
4348607.50	0.12065	0.11604	0.12605	0.11980	0.12017	0.18961	0.26004	0.16773	0.10458
4348515.00	0.12305	0.12845	0.13372	0.14230	0.11789	0.17927	0.26811	0.16925	0.10903
4348422.50	0.13261	0.14114	0.14879	0.15082	0.14088	0.17180	0.30137	0.15384	0.10342
4348330.00	0.11936	0.14770	0.16635	0.16984	0.12558	0.11763	0.23216	0.10351	0.11109
4348237.00	0.09388	0.11318	0.16387	0.16547	0.12977	0.06990	0.11449	0.05855	0.13434
4348144.50	0.09019	0.09433	0.10972	0.12860	0.10126	0.05358	0.02562	0.02929	0.11240
4348052.00	0.07749	0.09069	0.08623	0.09901	0.06971	0.03753	0.00000	0.00590	0.03044
4347959.50	0.07023	0.07432	0.06546	0.07952	0.04990	0.01494	0.00000	0.00388	0.00389
4347867.00	0.08069	0.08877	0.10931	0.06110	0.05759	0.01819	0.00000	0.00000	0.03281
4347774.50	0.09146	0.09575	0.09723	0.05976	0.04963	0.03047	0.06248	0.06248	0.02875
4347681.50	0.07375	0.07301	0.05884	0.04523	0.03665	0.03872	0.13115	0.15912	0.05676
4347589.00	0.05245	0.04474	0.04493	0.04581	0.05081	0.07073	0.17826	0.20464	0.10000
4347496.50	0.03688	0.03775	0.04053	0.05333	0.04586	0.06611	0.16854	0.33915	0.22477
4347404.00	0.03248	0.03395	0.04693	0.04124	0.05931	0.05066	0.15386	0.30012	0.24884
4347311.50	0.04004	0.03747	0.04196	0.03816	0.06052	0.04058	0.14142	0.26470	0.25995
4347219.00	0.04465	0.05476	0.03374	0.04390	0.05516	0.03537	0.13185	0.24159	0.25533
4347126.00	0.04953	0.04864	0.04780	0.06487	0.07215	0.03298	0.12362	0.22046	0.23695
4347033.50	0.04705	0.04301	0.04721	0.06571	0.06448	0.06498	0.14395	0.27039	0.30812
4346941.00	0.04104	0.03924	0.04833	0.06298	0.05731	0.06138	0.13332	0.24239	0.28243
4346848.50	0.03594	0.03799	0.04975	0.05820	0.05154	0.05846	0.12414	0.22161	0.26293

CONC RURAL ELEV DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK ***
INCLUDING SOURCE(S): TRUCK ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 757967.31
4348700.0	32.85453 (02081315)
4348607.5	28.06544 (02081315)
4348515.0	24.23023 (02033007)
4348422.5	38.32255 (02042307)
4348330.0	62.48615 (02042307)
4348237.0	43.23765 (02042307)
4348144.5	17.77329 (02042507)
4348052.0	18.43552 (02011109)
4347959.5	29.87011 (02092115)
4347867.0	45.83877 (02032108)
4347774.5	38.06760 (02032108)
4347681.5	38.03288 (02091106)
4347589.0	36.15808 (02091106)
4347496.5	38.49257 (02081907)
4347404.0	37.56385 (02090307)
4347311.5	31.80703 (02062013)
4347219.0	36.45818 (02051609)
4347126.0	34.52605 (02051609)
4347033.5	19.34782 (02051609)
4346941.0	29.65956 (02111307)
4346848.5	29.52792 (02111307)

CONC RURAL ELEV DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
LOADER	1ST HIGHEST VALUE IS 0.33915 AT	(756623.25, 4347496.50, 1907.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 0.30812 AT	(756726.63, 4347033.50, 1899.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 0.30137 AT	(756519.81, 4348422.50, 1942.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 0.30012 AT	(756623.25, 4347404.00, 1905.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 0.28243 AT	(756726.63, 4346941.00, 1899.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 0.27039 AT	(756623.25, 4347033.50, 1899.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 0.26811 AT	(756519.81, 4348515.00, 1953.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 0.26470 AT	(756623.25, 4347311.50, 1903.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 0.26293 AT	(756726.63, 4346848.50, 1899.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 0.26004 AT	(756519.81, 4348607.50, 1963.00, 0.00)	GC	UCART1
STCK1	1ST HIGHEST VALUE IS 4.50806 AT	(757036.81, 4348422.50, 1976.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 3.92824 AT	(757140.19, 4348422.50, 1981.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 3.74680 AT	(757036.81, 4348330.00, 1967.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 3.74047 AT	(757140.19, 4348515.00, 1988.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 3.66010 AT	(756933.38, 4348422.50, 1969.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 3.63635 AT	(756933.38, 4348330.00, 1962.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 3.60111 AT	(757036.81, 4348515.00, 1982.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 3.42887 AT	(757140.19, 4348330.00, 1972.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 3.18893 AT	(757243.56, 4348422.50, 1987.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 3.18359 AT	(757243.56, 4348515.00, 1996.00, 0.00)	GC	UCART1
TRUCK	1ST HIGHEST VALUE IS 0.39390 AT	(756623.25, 4347496.50, 1907.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS 0.36933 AT	(756519.81, 4348422.50, 1942.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS 0.35746 AT	(756623.25, 4347404.00, 1905.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS 0.34394 AT	(756623.25, 4347033.50, 1899.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS 0.33533 AT	(756519.81, 4347589.00, 1908.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS 0.33310 AT	(756726.63, 4347033.50, 1899.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS 0.32800 AT	(756623.25, 4347311.50, 1903.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS 0.32637 AT	(756519.81, 4348515.00, 1953.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS 0.31922 AT	(756519.81, 4348330.00, 1934.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS 0.31537 AT	(756623.25, 4346941.00, 1899.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

CONC RURAL ELEV DFAULT

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF GENERIC IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
LOADER	HIGH	1ST HIGH VALUE IS	187.38084	ON 02080814: AT (	756726.63,	4348144.50,	1938.00,	0.00)	GC	UCART1
STCK1	HIGH	1ST HIGH VALUE IS	224.59235	ON 02051914: AT (	756519.81,	4347867.00,	1915.00,	0.00)	GC	UCART1
TRUCK	HIGH	1ST HIGH VALUE IS	365.25952	ON 02083013: AT (	756416.44,	4348144.50,	1926.00,	0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

CONC RURAL ELEV DFAULT

*** Message Summary : ISCST3 Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 706357 Informational Message(s)

A Total of 227 Calm Hours Identified

A Total of 706128 Cases Identified with HE > ZI

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
RE W282 155 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in MCB#9

****
*** ISCST3 Finishes Successfully ***
****

APPENDIX 3

HARP Model Output (Truckee/Cabin Creek Road)

FILE: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Kings Beach PMI Jul 31_2011.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10
348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
206	GRID	2.86E-06	1.56E-02	2.49E-02	757554	4347682	10
187	GRID	2.86E-06	1.56E-02	2.66E-02	757761	4347589	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
437	GRID	2.84E-06	1.53E-02	2.56E-02	757554	4348700	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10

248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
166	GRID	2.62E-06	1.42E-02	2.63E-02	757761	4347497	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10
328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
438	GRID	2.46E-06	1.33E-02	2.29E-02	757657	4348700	10
209	GRID	2.45E-06	1.35E-02	2.24E-02	757864	4347682	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
405	GRID	2.43E-06	1.28E-02	2.62E-02	756416	4348608	10
247	GRID	2.41E-06	1.33E-02	2.46E-02	757450	4347867	10
188	GRID	2.41E-06	1.32E-02	2.25E-02	757864	4347589	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
417	GRID	2.38E-06	1.30E-02	2.45E-02	757657	4348608	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
167	GRID	2.36E-06	1.28E-02	2.26E-02	757864	4347497	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
185	GRID	2.32E-06	1.24E-02	2.01E-02	757554	4347589	10
226	GRID	2.29E-06	1.25E-02	1.81E-02	757450	4347775	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
250	GRID	2.26E-06	1.25E-02	2.68E-02	757761	4347867	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
230	GRID	2.18E-06	1.21E-02	2.23E-02	757864	4347775	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
146	GRID	2.17E-06	1.17E-02	2.24E-02	757864	4347404	10
165	GRID	2.16E-06	1.16E-02	2.07E-02	757657	4347497	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10
396	GRID	2.09E-06	1.15E-02	2.58E-02	757657	4348515	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
145	GRID	2.05E-06	1.11E-02	2.21E-02	757761	4347404	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10
439	GRID	2.04E-06	1.11E-02	2.01E-02	757761	4348700	10
189	GRID	2.01E-06	1.09E-02	1.83E-02	757967	4347589	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
168	GRID	1.96E-06	1.06E-02	1.82E-02	757967	4347497	10
210	GRID	1.94E-06	1.07E-02	1.82E-02	757967	4347682	10
385	GRID	1.92E-06	9.70E-03	2.01E-02	756520	4348515	10
345	GRID	1.91E-06	1.04E-02	2.20E-02	756727	4348330	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
125	GRID	1.89E-06	1.03E-02	2.19E-02	757864	4347312	10
418	GRID	1.86E-06	1.02E-02	2.15E-02	757761	4348608	10

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10

348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
206	GRID	2.86E-06	1.56E-02	2.49E-02	757554	4347682	10
187	GRID	2.86E-06	1.56E-02	2.66E-02	757761	4347589	10
248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
437	GRID	2.84E-06	1.53E-02	2.56E-02	757554	4348700	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
166	GRID	2.62E-06	1.42E-02	2.63E-02	757761	4347497	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10

328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
209	GRID	2.45E-06	1.35E-02	2.24E-02	757864	4347682	10
438	GRID	2.46E-06	1.33E-02	2.29E-02	757657	4348700	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
247	GRID	2.41E-06	1.33E-02	2.46E-02	757450	4347867	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
188	GRID	2.41E-06	1.32E-02	2.25E-02	757864	4347589	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
417	GRID	2.38E-06	1.30E-02	2.45E-02	757657	4348608	10
167	GRID	2.36E-06	1.28E-02	2.26E-02	757864	4347497	10
405	GRID	2.43E-06	1.28E-02	2.62E-02	756416	4348608	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
250	GRID	2.26E-06	1.25E-02	2.68E-02	757761	4347867	10
226	GRID	2.29E-06	1.25E-02	1.81E-02	757450	4347775	10
185	GRID	2.32E-06	1.24E-02	2.01E-02	757554	4347589	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
230	GRID	2.18E-06	1.21E-02	2.23E-02	757864	4347775	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
146	GRID	2.17E-06	1.17E-02	2.24E-02	757864	4347404	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
165	GRID	2.16E-06	1.16E-02	2.07E-02	757657	4347497	10
396	GRID	2.09E-06	1.15E-02	2.58E-02	757657	4348515	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
439	GRID	2.04E-06	1.11E-02	2.01E-02	757761	4348700	10
145	GRID	2.05E-06	1.11E-02	2.21E-02	757761	4347404	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
189	GRID	2.01E-06	1.09E-02	1.83E-02	757967	4347589	10
210	GRID	1.94E-06	1.07E-02	1.82E-02	757967	4347682	10
168	GRID	1.96E-06	1.06E-02	1.82E-02	757967	4347497	10
345	GRID	1.91E-06	1.04E-02	2.20E-02	756727	4348330	10
125	GRID	1.89E-06	1.03E-02	2.19E-02	757864	4347312	10
418	GRID	1.86E-06	1.02E-02	2.15E-02	757761	4348608	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
292	GRID	1.80E-06	1.01E-02	2.65E-02	757761	4348052	10

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
238	GRID	1.01E-07	4.09E-04	9.79E-02	756520	4347867	10
217	GRID	2.70E-07	6.90E-04	6.97E-02	756520	4347775	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10

350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
194	GRID	7.83E-08	3.12E-04	4.35E-02	756313	4347682	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
302	GRID	1.03E-06	5.63E-03	4.22E-02	756623	4348145	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
196	GRID	3.11E-07	6.75E-04	4.15E-02	756520	4347682	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
282	GRID	3.73E-07	1.89E-03	3.88E-02	756727	4348052	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
422	GRID	9.41E-07	4.71E-03	3.83E-02	756003	4348700	10
423	GRID	1.09E-06	5.54E-03	3.80E-02	756106	4348700	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
303	GRID	1.71E-06	8.91E-03	3.57E-02	756727	4348145	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
323	GRID	6.73E-07	3.58E-03	3.48E-02	756623	4348237	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
332	GRID	1.82E-06	1.01E-02	3.42E-02	757554	4348237	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
278	GRID	1.42E-07	2.90E-04	3.34E-02	756313	4348052	10
421	GRID	8.63E-07	4.36E-03	3.28E-02	755900	4348700	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
353	GRID	1.82E-06	1.01E-02	3.27E-02	757554	4348330	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10

374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
257	GRID	7.00E-08	1.97E-04	3.10E-02	756313	4347960	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
312	GRID	1.74E-06	9.70E-03	3.05E-02	757657	4348145	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
176	GRID	3.16E-07	8.77E-04	3.00E-02	756623	4347589	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
333	GRID	1.57E-06	8.67E-03	2.94E-02	757657	4348237	10
424	GRID	1.24E-06	6.45E-03	2.94E-02	756210	4348700	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
309	GRID	1.75E-06	9.71E-03	2.92E-02	757347	4348145	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10
175	GRID	3.30E-07	7.10E-04	2.89E-02	756520	4347589	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
354	GRID	1.55E-06	8.59E-03	2.82E-02	757657	4348330	10
155	GRID	4.75E-07	1.32E-03	2.78E-02	756623	4347497	10
322	GRID	4.34E-07	1.63E-03	2.78E-02	756520	4348237	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
214	GRID	8.61E-08	2.50E-04	2.72E-02	756210	4347775	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10
375	GRID	1.65E-06	9.16E-03	2.70E-02	757657	4348423	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
301	GRID	2.62E-07	9.26E-04	2.68E-02	756520	4348145	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10

This file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Cabin Creek Cancer Aug 1_2011.txt

Created by HARP Version 1.4a Build 23.07.00
Uses ISC Version 99155
Uses BPIP (Dated: 04112)
Creation date: 8/1/2011 5:12:49 AM

EXCEPTION REPORT
   (there have been no changes or exceptions)

INPUT FILES:
   Source-Receptor file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\CABIN CREEK AUG 1_2011.SRC
   Averaging period adjustment factors file: not applicable
   Emission rates file: KB_TRUCKEE_Cumulative_June 21.ems
   Site parameters file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Kings Beach Truckee Rev2.sit

Screening mode is OFF

Exposure duration: 70 year (adult resident)
Analysis method: Derived (OEHHA) Method
Health effect: Cancer Risk
Receptor(s):   All
Sources(s):   All
Chemicals(s):   All

SITE PARAMETERS

DEPOSITION

   Deposition rate (m/s)   0.05

DRINKING WATER

*** Pathway disabled ***

FISH

   Water surface area (m^2)   496000000
   Water volume (L)   150680000000000
   Volume changes per year   0.05
   Fraction of ingested fish
     from contaminated source   0.05

PASTURE

*** Pathway disabled ***

HOME GROWN PRODUCE

   HUMAN INGESTION
   Fraction of ingested leafy vegetable
     from home grown source   0.15
   Fraction of ingested exposed vegetable
     from home grown source   0.15
   Fraction of ingested protected vegetable
     from home grown source   0.15
   Fraction of ingested root vegetable
     from home grown source   0.15

PIGS, CHICKENS AND EGGS

*** Pathway disabled ***

DERMAL ABSORPTION

*** Pathway enabled ***

SOIL INGESTION

*** Pathway disabled ***

MOTHER'S MILK

*** Pathway enabled ***

CHEMICAL CROSS-REFERENCE TABLE AND BACKGROUND CONCENTRATIONS

CHEM	CAS	ABBREVIATION	POLLUTANT NAME	BACKGROUND (ug/m^3)
0001	9901	DieselExhPM	Diesel engine exhaust, particulate matter (Diesel PM)	0.000E+00
0002	106934	EDB	Ethylene dibromide {EDB}	0.000E+00
0003	106990	1,3-Butadiene	1,3-Butadiene	0.000E+00
0004	106467	p-DiClBenzene	p-Dichlorobenzene	0.000E+00
0005	91576	2MeNaphthalene	2-Methyl naphthalene	0.000E+00
0006	83329	Acenaphthene	Acenaphthene	0.000E+00
0007	208968	Acenaphthylene	Acenaphthylene	0.000E+00
0008	75070	Acetaldehyde	Acetaldehyde	0.000E+00
0009	107028	Acrolein	Acrolein	0.000E+00
0010	7664417	NH3	Ammonia	0.000E+00
0011	120127	Anthracene	Anthracene	0.000E+00
0012	7440360	Antimony	Antimony	0.000E+00
0013	7440382	Arsenic	Arsenic	0.000E+00
0014	56553	B[a]anthracene	Benz[a]anthracene	0.000E+00
0015	71432	Benzene	Benzene	0.000E+00
0016	50328	B[a]P	Benzo[a]pyrene	0.000E+00
0017	205992	B[b]fluoranthen	Benzo[b]fluoranthene	0.000E+00
0018	192972	B[e]pyrene	Benzo[e]pyrene	0.000E+00
0019	191242	B[g,h,i]perylen	Benzo[g,h,i]perylene	0.000E+00
0020	207089	B[k]fluoranthen	Benzo[k]fluoranthene	0.000E+00
0021	7440417	Beryllium	Beryllium	0.000E+00
0022	7440439	Cadmium	Cadmium	0.000E+00
0023	7440473	Chromium	Chromium	0.000E+00
0024	18540299	Cr(VI)	Chromium, hexavalent (& compounds)	0.000E+00
0025	218019	Chrysene	Chrysene	0.000E+00
0026	7440508	Copper	Copper	0.000E+00
0027	53703	D[a,h]anthracen	Dibenz[a,h]anthracene	0.000E+00
0028	100414	Ethyl Benzene	Ethyl benzene	0.000E+00
0029	206440	Fluoranthene	Fluoranthene	0.000E+00
0030	86737	Fluorene	Fluorene	0.000E+00
0031	50000	Formaldehyde	Formaldehyde	0.000E+00
0032	7647010	HCl	Hydrochloric acid	0.000E+00
0033	7664393	HF	Hydrogen fluoride	0.000E+00
0034	193395	In[1,2,3-cd]pyr	Indeno[1,2,3-cd]pyrene	0.000E+00
0035	7439921	Lead	Lead	0.000E+00
0036	1330207	Xylenes	Xylenes (mixed)	0.000E+00
0037	7439965	Manganese	Manganese	0.000E+00
0038	7439976	Mercury	Mercury	0.000E+00
0039	91203	Naphthalene	Naphthalene	0.000E+00
0040	7440020	Nickel	Nickel	0.000E+00
0041	95476	o-Xylene	o-Xylene	0.000E+00
0042	198550	Perylene	Perylene	0.000E+00
0043	85018	Phenanthrene	Phenanthrene	0.000E+00

0044	108952	Phenol	Phenol	0.000E+00
0045	7723140	Phosphorus	Phosphorus	0.000E+00
0046	7440622	Vanadium	Vanadium (fume or dust)	0.000E+00
0047	7440666	Zinc	Zinc	0.000E+00
0048	7782492	Selenium	Selenium	0.000E+00
0049	1086	Dioxins-w/o	Dioxins, total, w/o individ. isomers reported {PCDDs} [Treat as 2378TCDD for HRA	0.000E+00
0050	1080	DiBenFurans(Cl)	Dibenzofurans (chlorinated) {PCDFs} [Treated as 2378TCDD for HRA]	0.000E+00

CHEMICAL HEALTH VALUES

CHEM	CAS	ABBREVIATION	CancerPF(Inh) (mg/kg-d)^-1	CancerPF(Oral) (mg/kg-d)^-1	ChronicREL(Inh) ug/m^3	ChronicREL(Oral) mg/kg-d	AcuteREL ug/m^3
0001	9901	DieselExhPM	1.10E+00	*	5.00E+00	*	*
0002	106934	EDB	2.50E-01	*	8.00E-01	*	*
0003	106990	1,3-Butadiene	6.00E-01	*	2.00E+01	*	*
0004	106467	p-DiClBenzene	4.00E-02	*	8.00E+02	*	*
0005	91576	2MeNaphthalene	*	*	*	*	*
0006	83329	Acenaphthene	*	*	*	*	*
0007	208968	Acenaphthylene	*	*	*	*	*
0008	75070	Acetaldehyde	1.00E-02	*	9.00E+00	*	*
0009	107028	Acrolein	*	*	6.00E-02	*	1.90E-01
0010	7664417	NH3	*	*	2.00E+02	*	3.20E+03
0011	120127	Anthracene	*	*	*	*	*
0012	7440360	Antimony	*	*	*	*	*
0013	7440382	Arsenic	1.20E+01	1.50E+00	3.00E-02	3.00E-04	1.90E-01
0014	56553	B[a]anthracene	3.90E-01	1.20E+00	*	*	*
0015	71432	Benzene	1.00E-01	*	6.00E+01	*	1.30E+03
0016	50328	B[a]P	3.90E+00	1.20E+01	*	*	*
0017	205992	B[b]fluoranthen	3.90E-01	1.20E+00	*	*	*
0018	192972	B[e]pyrene	*	*	*	*	*
0019	191242	B[g,h,i]perylen	*	*	*	*	*
0020	207089	B[k]fluoranthen	3.90E-01	1.20E+00	*	*	*
0021	7440417	Beryllium	8.40E+00	*	7.00E-03	2.00E-03	*
0022	7440439	Cadmium	1.50E+01	*	2.00E-02	5.00E-04	*
0023	7440473	Chromium	*	*	*	*	*
0024	18540299	Cr(VI)	5.10E+02	*	2.00E-01	2.00E-02	*
0025	218019	Chrysene	3.90E-02	1.20E-01	*	*	*
0026	7440508	Copper	*	*	*	*	1.00E+02
0027	53703	D[a,h]anthracen	4.10E+00	4.10E+00	*	*	*
0028	100414	Ethyl Benzene	8.70E-03	*	2.00E+03	*	*
0029	206440	Fluoranthene	*	*	*	*	*
0030	86737	Fluorene	*	*	*	*	*
0031	50000	Formaldehyde	2.10E-02	*	3.00E+00	*	9.40E+01
0032	7647010	HCl	*	*	9.00E+00	*	2.10E+03
0033	7664393	HF	*	*	1.40E+01	4.00E-02	2.40E+02
0034	193395	In[1,2,3-cd]pyr	3.90E-01	1.20E+00	*	*	*
0035	7439921	Lead	4.20E-02	8.50E-03	*	*	*
0036	1330207	Xylenes	*	*	7.00E+02	*	2.20E+04
0037	7439965	Manganese	*	*	2.00E-01	*	*
0038	7439976	Mercury	*	*	9.00E-02	3.00E-04	1.80E+00
0039	91203	Naphthalene	1.20E-01	*	9.00E+00	*	*
0040	7440020	Nickel	9.10E-01	*	5.00E-02	5.00E-02	6.00E+00
0041	95476	o-Xylene	*	*	7.00E+02	*	2.20E+04
0042	198550	Perylene	*	*	*	*	*
0043	85018	Phenanthrene	*	*	*	*	*
0044	108952	Phenol	*	*	2.00E+02	*	5.80E+03
0045	7723140	Phosphorus	*	*	*	*	*
0046	7440622	Vanadium	*	*	*	*	3.00E+01
0047	7440666	Zinc	*	*	*	*	*
0048	7782492	Selenium	*	*	2.00E+01	*	*
0049	1086	Dioxins-w/o	1.30E+05	1.30E+05	4.00E-05	1.00E-08	*
0050	1080	DiBenFurans(Cl)	1.30E+05	1.30E+05	4.00E-05	1.00E-08	*

EMISSIONS DATA SOURCE: Emission rates loaded from file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\KB_TRUCKEE_Cumulative_June 21.ems
CHEMICALS ADDED OR DELETED: none

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=1 NAME=STCK1 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	0.00E+00	0.00E+00
106934	EDB	1		445	5.09e-2
106990	1,3-Butadiene	1		127	.0145
106467	p-DiClBenzene	1		343	.0392
91576	2MeNaphthalene	1		.0605	6.9e-6
83329	Acenaphthene	1		.0278	3.17e-6
208968	Acenaphthylene	1		1.15	1.32e-4
75070	Acetaldehyde	1		74.5	8.51e-3
107028	Acrolein	1		5.35	6.11e-4
7664417	NH3	1		2700	.308
120127	Anthracene	1		.0122	1.39e-6
7440360	Antimony	1		.0571	6.52e-6
7440382	Arsenic	1		.0583	6.65e-6
56553	B[a]anthracene	1		7.29e-4	8.32e-8
71432	Benzene	1		330	3.77e-2
50328	B[a]P	1		1.16e-3	1.33e-7
205992	B[b]fluoranthen	1		1.39e-3	1.59e-7
192972	B[e]pyrene	1		2.11e-3	2.41e-7
191242	B[g,h,i]perylen	1		3.13e-3	3.58e-7
207089	B[k]fluoranthen	1		7.99e-4	9.13e-8
7440417	Beryllium	1		1.73e-2	1.97e-6
7440439	Cadmium	1		5.83e-2	6.65e-6
7440473	Chromium	1		.214	2.45e-5
18540299	Cr(VI)	1		.0248	2.83e-6
218019	Chrysene	1		1.16e-3	1.33e-7
7440508	Copper	1		1.31	1.49e-4
53703	D[a,h]anthracen	1		5.44e-4	6.21e-8
100414	Ethyl Benzene	1		248	.0283
206440	Fluoranthene	1		.0708	8.09e-6
86737	Fluorene	1		2.71e-2	3.09e-6
50000	Formaldehyde	1		33.5	3.82e-3
7647010	HCl	1		1620	.185
7664393	HF	1		14.3	1.64e-3
193395	In[1,2,3-cd]pyr	1		8.35e-4	9.53e-8
7439921	Lead	1		.182	2.08e-6
1330207	Xylenes	1		248	5.6e-2
7439965	Manganese	1		1.23	1.41e-4
7439976	Mercury	1		.238	2.72e-5
91203	Naphthalene	1		13.2	1.51e-3
7440020	Nickel	1		.25	2.85e-5
95476	o-Xylene	1		248	1.4e-2
198550	Perylene	1		5.44e-4	1.02e-5
85018	Phenanthrene	1		.218	2.49e-5
108952	Phenol	1		9.96	1.14e-3
7723140	Phosphorus	1		5.52	6.30e-4
7440622	Vanadium	1		.276	3.16e-5
7440666	Zinc	1		5.79	6.62e-4
7782492	Selenium	1		.243	2.77e-5
1086	Dioxins-w/o	1		3.82e-5	4.37e-9
1080	DiBenFurans(Cl)	1		2.25e-5	2.56e-9

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=2 NAME=TRUCK EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	.969	0.00E+00

106934	EDB	1
106990	1,3-Butadiene	1
106467	p-DiClBenzene	1
91576	2MeNaphthalene	1
83329	Acenaphthene	1
208968	Acenaphthylene	1
75070	Acetaldehyde	1
107028	Acrolein	1
7664417	NH3	1
120127	Anthracene	1
7440360	Antimony	1
7440382	Arsenic	1
56553	B[a]anthracene	1
71432	Benzene	1
50328	B[a]P	1
205992	B[b]fluoranthen	1
192972	B[e]pyrene	1
191242	B[g,h,i]perylen	1
207089	B[k]fluoranthen	1
7440417	Beryllium	1
7440439	Cadmium	1
7440473	Chromium	1
18540299	Cr(VI)	1
218019	Chrysene	1
7440508	Copper	1
53703	D[a,h]anthracen	1
100414	Ethyl Benzene	1
206440	Fluoranthene	1
86737	Fluorene	1
50000	Formaldehyde	1
7647010	HCl	1
7664393	HF	1
193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=3 NAME=LOADER EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	2e-4	0.00E+00
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			

7664417	NH3	1
120127	Anthracene	1
7440360	Antimony	1
7440382	Arsenic	1
56553	B[a]anthracene	1
71432	Benzene	1
50328	B[a]P	1
205992	B[b]fluoranthen	1
192972	B[e]pyrene	1
191242	B[g,h,i]perylen	1
207089	B[k]fluoranthen	1
7440417	Beryllium	1
7440439	Cadmium	1
7440473	Chromium	1
18540299	Cr(VI)	1
218019	Chrysene	1
7440508	Copper	1
53703	D[a,h]anthracen	1
100414	Ethyl Benzene	1
206440	Fluoranthene	1
86737	Fluorene	1
50000	Formaldehyde	1
7647010	HCl	1
7664393	HF	1
193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=4 NAME=STCK2 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	9.00E+01	1.00E-01
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			

192972	B[e]pyrene	1
191242	B[g,h,i]perylen	1
207089	B[k]fluoranthen	1
7440417	Beryllium	1
7440439	Cadmium	1
7440473	Chromium	1
18540299	Cr(VI)	1
218019	Chrysene	1
7440508	Copper	1
53703	D[a,h]anthracen	1
100414	Ethyl Benzene	1
206440	Fluoranthene	1
86737	Fluorene	1
50000	Formaldehyde	1
7647010	HCl	1
7664393	HF	1
193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=5 NAME=STCK3 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	1.76E+01	1.00E-01
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			

7440508	Copper	1
53703	D[a,h]anthracen	1
100414	Ethyl Benzene	1
206440	Fluoranthene	1
86737	Fluorene	1
50000	Formaldehyde	1
7647010	HCl	1
7664393	HF	1
193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=6 NAME=STCK4 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	2.50E+00	1.00E-01
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			

193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=7 NAME=STCK5 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	7.00E+00	1.00E-01
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			
193395	In[1,2,3-cd]pyr	1			
7439921	Lead	1			
1330207	Xylenes	1			
7439965	Manganese	1			
7439976	Mercury	1			
91203	Naphthalene	1			
7440020	Nickel	1			
95476	o-Xylene	1			

198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=8 NAME=STCK6 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	0.00E+00	0.00E+00
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			
193395	In[1,2,3-cd]pyr	1			
7439921	Lead	1			
1330207	Xylenes	1			
7439965	Manganese	1			
7439976	Mercury	1			
91203	Naphthalene	1			
7440020	Nickel	1			
95476	o-Xylene	1			
198550	Perylene	1			
85018	Phenanthrene	1			
108952	Phenol	1			
7723140	Phosphorus	1			
7440622	Vanadium	1			
7440666	Zinc	1			
7782492	Selenium	1			
1086	Dioxins-w/o	1			

1080	DiBenFurans(Cl)	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=9 NAME=STCK7 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	0.00E+00	0.00E+00
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
7440382	Arsenic	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			
193395	In[1,2,3-cd]pyr	1			
7439921	Lead	1			
1330207	Xylenes	1			
7439965	Manganese	1			
7439976	Mercury	1			
91203	Naphthalene	1			
7440020	Nickel	1			
95476	o-Xylene	1			
198550	Perylene	1			
85018	Phenanthrene	1			
108952	Phenol	1			
7723140	Phosphorus	1			
7440622	Vanadium	1			
7440666	Zinc	1			
7782492	Selenium	1			
1086	Dioxins-w/o	1			
1080	DiBenFurans(Cl)	1			

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=10 NAME=STCK8 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
9901	DieselExhPM	1	0	0.00E+00	0.00E+00
106934	EDB	1			
106990	1,3-Butadiene	1			

106467	p-DiClBenzene	1
91576	2MeNaphthalene	1
83329	Acenaphthene	1
208968	Acenaphthylene	1
75070	Acetaldehyde	1
107028	Acrolein	1
7664417	NH3	1
120127	Anthracene	1
7440360	Antimony	1
7440382	Arsenic	1
56553	B[a]anthracene	1
71432	Benzene	1
50328	B[a]P	1
205992	B[b]fluoranthen	1
192972	B[e]pyrene	1
191242	B[g,h,i]perylen	1
207089	B[k]fluoranthen	1
7440417	Beryllium	1
7440439	Cadmium	1
7440473	Chromium	1
18540299	Cr(VI)	1
218019	Chrysene	1
7440508	Copper	1
53703	D[a,h]anthracen	1
100414	Ethyl Benzene	1
206440	Fluoranthene	1
86737	Fluorene	1
50000	Formaldehyde	1
7647010	HCl	1
7664393	HF	1
193395	In[1,2,3-cd]pyr	1
7439921	Lead	1
1330207	Xylenes	1
7439965	Manganese	1
7439976	Mercury	1
91203	Naphthalene	1
7440020	Nickel	1
95476	o-Xylene	1
198550	Perylene	1
85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7440666	Zinc	1
7782492	Selenium	1
1086	Dioxins-w/o	1
1080	DiBenFurans(Cl)	1

CANCER RISK REPORT

REC	INHAL	DERM	SOIL	MOTHER	FISH	WATER	VEG	DAIRY	BEEF	CHICK	PIG	EGG	MEAT	ORAL	TOTAL	UTME	UTMN
0001	8.04E-08	1.32E-08	0.00E+00	1.06E-08	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	1.07E-07	736792	4351148
0002	8.04E-08	1.32E-08	0.00E+00	1.06E-08	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-08	1.07E-07	736892	4351148
0003	8.25E-08	1.39E-08	0.00E+00	1.11E-08	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-08	1.11E-07	736992	4351148
0004	8.06E-08	1.36E-08	0.00E+00	1.09E-08	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	1.08E-07	737092	4351148
0005	7.98E-08	1.33E-08	0.00E+00	1.07E-08	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	1.07E-07	737192	4351148
0006	8.26E-08	1.36E-08	0.00E+00	1.09E-08	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	1.10E-07	737292	4351148
0007	8.50E-08	1.39E-08	0.00E+00	1.12E-08	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	1.14E-07	737392	4351148
0008	9.00E-08	1.48E-08	0.00E+00	1.19E-08	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-08	1.20E-07	737492	4351148
0009	9.68E-08	1.59E-08	0.00E+00	1.28E-08	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-08	1.29E-07	737592	4351148
0010	1.06E-07	1.75E-08	0.00E+00	1.40E-08	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	1.42E-07	737692	4351148
0011	1.16E-07	1.93E-08	0.00E+00	1.55E-08	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	1.55E-07	737792	4351148
0012	1.24E-07	2.09E-08	0.00E+00	1.68E-08	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-08	1.67E-07	737892	4351148

5469	9.36E-08	1.11E-08	0.00E+00	8.90E-09	0.00E+00	0.00E+00	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	1.16E-07	743592	4358348
5470	9.16E-08	1.09E-08	0.00E+00	8.78E-09	0.00E+00	0.00E+00	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	1.14E-07	743692	4358348
5471	8.96E-08	1.08E-08	0.00E+00	8.63E-09	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	1.12E-07	743792	4358348
5472	8.83E-08	1.06E-08	0.00E+00	8.53E-09	0.00E+00	0.00E+00	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	1.10E-07	743892	4358348
5473	8.70E-08	1.05E-08	0.00E+00	8.44E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	1.08E-07	743992	4358348
5474	8.64E-08	1.05E-08	0.00E+00	8.41E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	1.08E-07	744092	4358348
5475	8.47E-08	1.03E-08	0.00E+00	8.28E-09	0.00E+00	0.00E+00	2.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	1.06E-07	744192	4358348
5476	3.56E-07	5.95E-08	0.00E+00	4.77E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	4.78E-07	736792	4358448
5477	3.73E-07	6.20E-08	0.00E+00	4.97E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	4.99E-07	736892	4358448
5478	3.82E-07	6.40E-08	0.00E+00	5.13E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	5.13E-07	736992	4358448
5479	3.82E-07	6.28E-08	0.00E+00	5.04E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	5.10E-07	737092	4358448
5480	3.87E-07	6.40E-08	0.00E+00	5.14E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	5.18E-07	737192	4358448
5481	4.09E-07	6.72E-08	0.00E+00	5.39E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	5.46E-07	737292	4358448
5482	4.24E-07	7.01E-08	0.00E+00	5.63E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	5.67E-07	737392	4358448
5483	4.33E-07	7.14E-08	0.00E+00	5.73E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	5.79E-07	737492	4358448
5484	4.47E-07	7.50E-08	0.00E+00	6.02E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	6.01E-07	737592	4358448
5485	4.39E-07	7.26E-08	0.00E+00	5.83E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	5.87E-07	737692	4358448
5486	4.40E-07	7.20E-08	0.00E+00	5.78E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	5.87E-07	737792	4358448
5487	4.43E-07	7.16E-08	0.00E+00	5.75E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	5.89E-07	737892	4358448
5488	4.48E-07	7.21E-08	0.00E+00	5.79E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	5.96E-07	737992	4358448
5489	4.77E-07	7.74E-08	0.00E+00	6.21E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	6.35E-07	738092	4358448
5490	4.83E-07	7.91E-08	0.00E+00	6.34E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	6.44E-07	738192	4358448
5491	4.89E-07	8.02E-08	0.00E+00	6.44E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	6.53E-07	738292	4358448
5492	4.73E-07	7.64E-08	0.00E+00	6.13E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	6.30E-07	738392	4358448
5493	4.93E-07	7.94E-08	0.00E+00	6.37E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	6.55E-07	738492	4358448
5494	5.54E-07	9.17E-08	0.00E+00	7.36E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	7.42E-07	738592	4358448
5495	5.19E-07	8.16E-08	0.00E+00	6.55E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	6.86E-07	738692	4358448
5496	4.60E-07	6.56E-08	0.00E+00	5.26E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	5.94E-07	738792	4358448
5497	3.51E-07	3.03E-08	0.00E+00	2.43E-08	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08	4.13E-07	738892	4358448
5498	3.40E-07	2.34E-08	0.00E+00	1.88E-08	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-08	3.88E-07	738992	4358448
5499	3.41E-07	2.48E-08	0.00E+00	1.99E-08	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-08	3.91E-07	739092	4358448
5500	3.28E-07	2.51E-08	0.00E+00	2.02E-08	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-08	3.79E-07	739192	4358448
5501	3.26E-07	2.53E-08	0.00E+00	2.03E-08	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	3.78E-07	739292	4358448
5502	3.01E-07	2.10E-08	0.00E+00	1.68E-08	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-08	3.43E-07	739392	4358448
5503	2.76E-07	1.98E-08	0.00E+00	1.59E-08	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-08	3.17E-07	739492	4358448
5504	1.83E-07	1.68E-08	0.00E+00	1.35E-08	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-08	2.17E-07	739592	4358448
5505	1.79E-07	1.70E-08	0.00E+00	1.36E-08	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	2.14E-07	739692	4358448
5506	1.75E-07	1.69E-08	0.00E+00	1.36E-08	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-08	2.10E-07	739792	4358448
5507	1.77E-07	1.69E-08	0.00E+00	1.36E-08	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-08	2.12E-07	739892	4358448
5508	1.65E-07	1.59E-08	0.00E+00	1.28E-08	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-08	1.98E-07	739992	4358448
5509	1.57E-07	1.54E-08	0.00E+00	1.24E-08	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-08	1.89E-07	740092	4358448
5510	1.55E-07	1.54E-08	0.00E+00	1.24E-08	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-08	1.87E-07	740192	4358448
5511	1.43E-07	1.49E-08	0.00E+00	1.19E-08	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-08	1.74E-07	740292	4358448
5512	1.43E-07	1.52E-08	0.00E+00	1.22E-08	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	1.74E-07	740392	4358448
5513	1.39E-07	1.54E-08	0.00E+00	1.23E-08	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	1.70E-07	740492	4358448
5514	1.43E-07	1.61E-08	0.00E+00	1.30E-08	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-08	1.76E-07	740592	4358448
5515	1.65E-07	1.81E-08	0.00E+00	1.46E-08	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-08	2.02E-07	740692	4358448
5516	2.03E-07	2.09E-08	0.00E+00	1.67E-08	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-08	2.45E-07	740792	4358448
5517	3.22E-07	2.51E-08	0.00E+00	2.01E-08	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-08	3.74E-07	740892	4358448
5518	3.76E-07	3.06E-08	0.00E+00	2.45E-08	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	4.38E-07	740992	4358448
5519	3.80E-07	3.29E-08	0.00E+00	2.64E-08	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	4.48E-07	741092	4358448
5520	3.59E-07	2.72E-08	0.00E+00	2.18E-08	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-08	4.14E-07	741192	4358448
5521	2.01E-07	1.90E-08	0.00E+00	1.53E-08	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-08	2.40E-07	741292	4358448
5522	1.36E-07	1.45E-08	0.00E+00	1.16E-08	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	1.65E-07	741392	4358448
5523	1.52E-07	1.67E-08	0.00E+00	1.34E-08	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-08	1.86E-07	741492	4358448
5524	1.24E-07	1.45E-08	0.00E+00	1.16E-08	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	1.54E-07	741592	4358448
5525	1.44E-07	1.69E-08	0.00E+00	1.35E-08	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	1.79E-07	741692	4358448
5526	1.56E-07	1.83E-08	0.00E+00	1.47E-08	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-08	1.93E-07	741792	4358448
5527	1.74E-07	2.02E-08	0.00E+00	1.62E-08	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-08	2.16E-07	741892	4358448
5528	1.79E-07	2.09E-08	0.00E+00	1.68E-08	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-08	2.22E-07	741992	4358448
5529	1.54E-07	1.87E-08	0.00E+00	1.50E-08	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-08	1.93E-07	742092	4358448
5530	1.50E-07	1.85E-08	0.00E+00	1.48E-08	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-08	1.88E-07	742192	4358448

5531	1.43E-07	1.77E-08	0.00E+00	1.42E-08	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-08	1.80E-07	742292	4358448
5532	1.27E-07	1.55E-08	0.00E+00	1.25E-08	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	1.59E-07	742392	4358448
5533	1.21E-07	1.45E-08	0.00E+00	1.17E-08	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	1.50E-07	742492	4358448
5534	1.19E-07	1.40E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	1.48E-07	742592	4358448
5535	1.09E-07	1.25E-08	0.00E+00	1.01E-08	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	1.34E-07	742692	4358448
5536	1.01E-07	1.14E-08	0.00E+00	9.16E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	1.24E-07	742792	4358448
5537	9.53E-08	1.07E-08	0.00E+00	8.55E-09	0.00E+00	0.00E+00	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	1.17E-07	742892	4358448
5538	9.17E-08	1.02E-08	0.00E+00	8.18E-09	0.00E+00	0.00E+00	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	1.13E-07	742992	4358448
5539	8.92E-08	9.94E-09	0.00E+00	7.97E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	1.10E-07	743092	4358448
5540	8.61E-08	9.68E-09	0.00E+00	7.76E-09	0.00E+00	0.00E+00	2.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	1.06E-07	743192	4358448
5541	8.48E-08	9.66E-09	0.00E+00	7.75E-09	0.00E+00	0.00E+00	2.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	1.05E-07	743292	4358448
5542	9.17E-08	1.06E-08	0.00E+00	8.50E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	1.13E-07	743392	4358448
5543	9.42E-08	1.10E-08	0.00E+00	8.83E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	1.17E-07	743492	4358448
5544	9.33E-08	1.10E-08	0.00E+00	8.84E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	1.16E-07	743592	4358448
5545	9.07E-08	1.08E-08	0.00E+00	8.67E-09	0.00E+00	0.00E+00	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	1.13E-07	743692	4358448
5546	8.88E-08	1.07E-08	0.00E+00	8.55E-09	0.00E+00	0.00E+00	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	1.11E-07	743792	4358448
5547	8.75E-08	1.06E-08	0.00E+00	8.47E-09	0.00E+00	0.00E+00	2.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	1.09E-07	743892	4358448
5548	8.62E-08	1.04E-08	0.00E+00	8.37E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	1.08E-07	743992	4358448
5549	8.56E-08	1.04E-08	0.00E+00	8.33E-09	0.00E+00	0.00E+00	2.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	1.07E-07	744092	4358448
5550	8.44E-08	1.03E-08	0.00E+00	8.25E-09	0.00E+00	0.00E+00	2.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	1.05E-07	744192	4358448
5551	3.54E-07	5.89E-08	0.00E+00	4.73E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	4.75E-07	736792	4358548
5552	3.59E-07	5.93E-08	0.00E+00	4.76E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	4.81E-07	736892	4358548
5553	3.70E-07	6.10E-08	0.00E+00	4.89E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	4.95E-07	736992	4358548
5554	3.85E-07	6.32E-08	0.00E+00	5.07E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	5.14E-07	737092	4358548
5555	4.14E-07	6.92E-08	0.00E+00	5.55E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	5.55E-07	737192	4358548
5556	4.27E-07	7.28E-08	0.00E+00	5.84E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	5.76E-07	737292	4358548
5557	4.41E-07	7.46E-08	0.00E+00	5.99E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	5.93E-07	737392	4358548
5558	4.43E-07	7.47E-08	0.00E+00	5.99E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	5.96E-07	737492	4358548
5559	4.33E-07	7.08E-08	0.00E+00	5.68E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	5.78E-07	737592	4358548
5560	4.32E-07	7.00E-08	0.00E+00	5.62E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	5.75E-07	737692	4358548
5561	4.30E-07	6.87E-08	0.00E+00	5.51E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	5.71E-07	737792	4358548
5562	4.34E-07	6.88E-08	0.00E+00	5.52E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	5.74E-07	737892	4358548
5563	4.47E-07	7.12E-08	0.00E+00	5.71E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	5.93E-07	737992	4358548
5564	4.64E-07	7.52E-08	0.00E+00	6.03E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	6.18E-07	738092	4358548
5565	4.71E-07	7.72E-08	0.00E+00	6.20E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	6.29E-07	738192	4358548
5566	4.67E-07	7.64E-08	0.00E+00	6.13E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	6.23E-07	738292	4358548
5567	4.52E-07	7.35E-08	0.00E+00	5.89E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	6.02E-07	738392	4358548
5568	4.84E-07	7.92E-08	0.00E+00	6.36E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	6.46E-07	738492	4358548
5569	5.51E-07	9.02E-08	0.00E+00	7.24E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	7.36E-07	738592	4358548
5570	4.99E-07	7.62E-08	0.00E+00	6.11E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	6.55E-07	738692	4358548
5571	4.56E-07	6.49E-08	0.00E+00	5.21E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	5.89E-07	738792	4358548
5572	3.61E-07	2.89E-08	0.00E+00	2.32E-08	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	4.20E-07	738892	4358548
5573	3.33E-07	2.31E-08	0.00E+00	1.85E-08	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-08	3.80E-07	738992	4358548
5574	3.30E-07	2.47E-08	0.00E+00	1.98E-08	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-08	3.80E-07	739092	4358548
5575	3.31E-07	2.80E-08	0.00E+00	2.25E-08	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-08	3.88E-07	739192	4358548
5576	3.42E-07	3.25E-08	0.00E+00	2.61E-08	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-08	4.09E-07	739292	4358548
5577	3.56E-07	3.13E-08	0.00E+00	2.51E-08	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	4.21E-07	739392	4358548
5578	3.45E-07	2.62E-08	0.00E+00	2.10E-08	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	3.98E-07	739492	4358548
5579	2.76E-07	1.96E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-08	3.16E-07	739592	4358548
5580	1.62E-07	1.57E-08	0.00E+00	1.26E-08	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-08	1.94E-07	739692	4358548
5581	1.42E-07	1.43E-08	0.00E+00	1.15E-08	0.00E+00	0.00E+00	3.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	1.71E-07	739792	4358548
5582	1.43E-07	1.44E-08	0.00E+00	1.15E-08	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	1.73E-07	739892	4358548
5583	1.45E-07	1.44E-08	0.00E+00	1.16E-08	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	1.74E-07	739992	4358548
5584	1.41E-07	1.42E-08	0.00E+00	1.14E-08	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	1.70E-07	740092	4358548
5585	1.34E-07	1.40E-08	0.00E+00	1.12E-08	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	1.63E-07	740192	4358548
5586	1.36E-07	1.43E-08	0.00E+00	1.15E-08	0.00E+00	0.00E+00	3.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	1.65E-07	740292	4358548
5587	1.35E-07	1.46E-08	0.00E+00	1.17E-08	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-08	1.65E-07	740392	4358548
5588	1.36E-07	1.51E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	1.67E-07	740492	4358548
5589	1.45E-07	1.63E-08	0.00E+00	1.30E-08	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-08	1.78E-07	740592	4358548
5590	1.70E-07	1.86E-08	0.00E+00	1.49E-08	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-08	2.08E-07	740692	4358548
5591	2.09E-07	2.15E-08	0.00E+00	1.72E-08	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	2.53E-07	740792	4358548
5592	3.23E-07	2.56E-08	0.00E+00	2.05E-08	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	3.75E-07	740892	4358548

5593	3.67E-07	2.86E-08	0.00E+00	2.30E-08	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	4.25E-07	740992	4358548
5594	3.58E-07	2.86E-08	0.00E+00	2.30E-08	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	4.16E-07	741092	4358548
5595	2.38E-07	2.14E-08	0.00E+00	1.72E-08	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	2.82E-07	741192	4358548
5596	1.60E-07	1.58E-08	0.00E+00	1.27E-08	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	1.92E-07	741292	4358548
5597	2.23E-07	2.16E-08	0.00E+00	1.74E-08	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-08	2.67E-07	741392	4358548
5598	1.73E-07	1.83E-08	0.00E+00	1.47E-08	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-08	2.11E-07	741492	4358548
5599	1.44E-07	1.63E-08	0.00E+00	1.31E-08	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-08	1.77E-07	741592	4358548
5600	1.73E-07	1.96E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-08	2.13E-07	741692	4358548
5601	1.94E-07	2.19E-08	0.00E+00	1.76E-08	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	2.39E-07	741792	4358548
5602	2.11E-07	2.37E-08	0.00E+00	1.90E-08	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-08	2.60E-07	741892	4358548
5603	2.05E-07	2.32E-08	0.00E+00	1.86E-08	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-08	2.52E-07	741992	4358548
5604	1.84E-07	2.16E-08	0.00E+00	1.73E-08	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-08	2.28E-07	742092	4358548
5605	1.78E-07	2.13E-08	0.00E+00	1.71E-08	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-08	2.21E-07	742192	4358548
5606	1.54E-07	1.89E-08	0.00E+00	1.52E-08	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-08	1.93E-07	742292	4358548
5607	1.41E-07	1.73E-08	0.00E+00	1.39E-08	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	1.76E-07	742392	4358548
5608	1.37E-07	1.66E-08	0.00E+00	1.33E-08	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	1.70E-07	742492	4358548
5609	1.28E-07	1.53E-08	0.00E+00	1.22E-08	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-08	1.59E-07	742592	4358548
5610	1.13E-07	1.33E-08	0.00E+00	1.06E-08	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	1.40E-07	742692	4358548
5611	1.03E-07	1.18E-08	0.00E+00	9.51E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	1.28E-07	742792	4358548
5612	9.69E-08	1.09E-08	0.00E+00	8.77E-09	0.00E+00	0.00E+00	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	1.19E-07	742892	4358548
5613	9.24E-08	1.03E-08	0.00E+00	8.29E-09	0.00E+00	0.00E+00	2.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	1.14E-07	742992	4358548
5614	8.90E-08	9.92E-09	0.00E+00	7.96E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	1.09E-07	743092	4358548
5615	8.58E-08	9.62E-09	0.00E+00	7.71E-09	0.00E+00	0.00E+00	2.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	1.05E-07	743192	4358548
5616	8.30E-08	9.40E-09	0.00E+00	7.54E-09	0.00E+00	0.00E+00	2.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	1.02E-07	743292	4358548
5617	8.60E-08	9.87E-09	0.00E+00	7.92E-09	0.00E+00	0.00E+00	2.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	1.06E-07	743392	4358548
5618	9.29E-08	1.08E-08	0.00E+00	8.67E-09	0.00E+00	0.00E+00	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	1.15E-07	743492	4358548
5619	9.21E-08	1.08E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	2.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	1.14E-07	743592	4358548
5620	8.89E-08	1.06E-08	0.00E+00	8.49E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	1.11E-07	743692	4358548
5621	8.72E-08	1.05E-08	0.00E+00	8.40E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	1.09E-07	743792	4358548
5622	8.61E-08	1.04E-08	0.00E+00	8.33E-09	0.00E+00	0.00E+00	2.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	1.07E-07	743892	4358548
5623	8.55E-08	1.04E-08	0.00E+00	8.31E-09	0.00E+00	0.00E+00	2.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	1.07E-07	743992	4358548
5624	8.43E-08	1.02E-08	0.00E+00	8.21E-09	0.00E+00	0.00E+00	2.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	1.05E-07	744092	4358548
5625	8.37E-08	1.02E-08	0.00E+00	8.17E-09	0.00E+00	0.00E+00	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	1.05E-07	744192	4358548

APPENDIX 4

HARP Model Output (Kings Beach)

FILE: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Kings Beach PMI Jul 31_2011.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10
348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
206	GRID	2.86E-06	1.56E-02	2.49E-02	757554	4347682	10
187	GRID	2.86E-06	1.56E-02	2.66E-02	757761	4347589	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
437	GRID	2.84E-06	1.53E-02	2.56E-02	757554	4348700	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10

248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
166	GRID	2.62E-06	1.42E-02	2.63E-02	757761	4347497	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10
328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
438	GRID	2.46E-06	1.33E-02	2.29E-02	757657	4348700	10
209	GRID	2.45E-06	1.35E-02	2.24E-02	757864	4347682	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
405	GRID	2.43E-06	1.28E-02	2.62E-02	756416	4348608	10
247	GRID	2.41E-06	1.33E-02	2.46E-02	757450	4347867	10
188	GRID	2.41E-06	1.32E-02	2.25E-02	757864	4347589	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
417	GRID	2.38E-06	1.30E-02	2.45E-02	757657	4348608	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
167	GRID	2.36E-06	1.28E-02	2.26E-02	757864	4347497	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
185	GRID	2.32E-06	1.24E-02	2.01E-02	757554	4347589	10
226	GRID	2.29E-06	1.25E-02	1.81E-02	757450	4347775	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
250	GRID	2.26E-06	1.25E-02	2.68E-02	757761	4347867	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
230	GRID	2.18E-06	1.21E-02	2.23E-02	757864	4347775	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
146	GRID	2.17E-06	1.17E-02	2.24E-02	757864	4347404	10
165	GRID	2.16E-06	1.16E-02	2.07E-02	757657	4347497	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10
396	GRID	2.09E-06	1.15E-02	2.58E-02	757657	4348515	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
145	GRID	2.05E-06	1.11E-02	2.21E-02	757761	4347404	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10
439	GRID	2.04E-06	1.11E-02	2.01E-02	757761	4348700	10
189	GRID	2.01E-06	1.09E-02	1.83E-02	757967	4347589	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
168	GRID	1.96E-06	1.06E-02	1.82E-02	757967	4347497	10
210	GRID	1.94E-06	1.07E-02	1.82E-02	757967	4347682	10
385	GRID	1.92E-06	9.70E-03	2.01E-02	756520	4348515	10
345	GRID	1.91E-06	1.04E-02	2.20E-02	756727	4348330	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
125	GRID	1.89E-06	1.03E-02	2.19E-02	757864	4347312	10
418	GRID	1.86E-06	1.02E-02	2.15E-02	757761	4348608	10

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10

348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
206	GRID	2.86E-06	1.56E-02	2.49E-02	757554	4347682	10
187	GRID	2.86E-06	1.56E-02	2.66E-02	757761	4347589	10
248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
437	GRID	2.84E-06	1.53E-02	2.56E-02	757554	4348700	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
166	GRID	2.62E-06	1.42E-02	2.63E-02	757761	4347497	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10

328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
209	GRID	2.45E-06	1.35E-02	2.24E-02	757864	4347682	10
438	GRID	2.46E-06	1.33E-02	2.29E-02	757657	4348700	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
247	GRID	2.41E-06	1.33E-02	2.46E-02	757450	4347867	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
188	GRID	2.41E-06	1.32E-02	2.25E-02	757864	4347589	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
417	GRID	2.38E-06	1.30E-02	2.45E-02	757657	4348608	10
167	GRID	2.36E-06	1.28E-02	2.26E-02	757864	4347497	10
405	GRID	2.43E-06	1.28E-02	2.62E-02	756416	4348608	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
250	GRID	2.26E-06	1.25E-02	2.68E-02	757761	4347867	10
226	GRID	2.29E-06	1.25E-02	1.81E-02	757450	4347775	10
185	GRID	2.32E-06	1.24E-02	2.01E-02	757554	4347589	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
230	GRID	2.18E-06	1.21E-02	2.23E-02	757864	4347775	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
146	GRID	2.17E-06	1.17E-02	2.24E-02	757864	4347404	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
165	GRID	2.16E-06	1.16E-02	2.07E-02	757657	4347497	10
396	GRID	2.09E-06	1.15E-02	2.58E-02	757657	4348515	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
439	GRID	2.04E-06	1.11E-02	2.01E-02	757761	4348700	10
145	GRID	2.05E-06	1.11E-02	2.21E-02	757761	4347404	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
189	GRID	2.01E-06	1.09E-02	1.83E-02	757967	4347589	10
210	GRID	1.94E-06	1.07E-02	1.82E-02	757967	4347682	10
168	GRID	1.96E-06	1.06E-02	1.82E-02	757967	4347497	10
345	GRID	1.91E-06	1.04E-02	2.20E-02	756727	4348330	10
125	GRID	1.89E-06	1.03E-02	2.19E-02	757864	4347312	10
418	GRID	1.86E-06	1.02E-02	2.15E-02	757761	4348608	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
292	GRID	1.80E-06	1.01E-02	2.65E-02	757761	4348052	10

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
238	GRID	1.01E-07	4.09E-04	9.79E-02	756520	4347867	10
217	GRID	2.70E-07	6.90E-04	6.97E-02	756520	4347775	10
389	GRID	4.29E-06	2.37E-02	6.11E-02	756933	4348515	10
369	GRID	6.60E-06	3.66E-02	6.04E-02	757037	4348423	10
428	GRID	3.04E-06	1.65E-02	5.57E-02	756623	4348700	10
390	GRID	5.26E-06	2.92E-02	5.45E-02	757037	4348515	10
429	GRID	2.61E-06	1.43E-02	5.45E-02	756727	4348700	10
408	GRID	2.71E-06	1.49E-02	5.32E-02	756727	4348608	10
368	GRID	5.36E-06	2.97E-02	5.29E-02	756933	4348423	10
370	GRID	5.79E-06	3.19E-02	5.28E-02	757140	4348423	10
430	GRID	2.75E-06	1.52E-02	5.15E-02	756830	4348700	10
410	GRID	3.27E-06	1.81E-02	5.09E-02	756933	4348608	10
349	GRID	5.04E-06	2.78E-02	5.04E-02	757140	4348330	10

350	GRID	3.97E-06	2.20E-02	4.94E-02	757244	4348330	10
411	GRID	3.87E-06	2.14E-02	4.90E-02	757037	4348608	10
391	GRID	5.48E-06	3.03E-02	4.82E-02	757140	4348515	10
431	GRID	3.04E-06	1.69E-02	4.79E-02	756933	4348700	10
409	GRID	3.03E-06	1.68E-02	4.77E-02	756830	4348608	10
371	GRID	4.70E-06	2.59E-02	4.62E-02	757244	4348423	10
407	GRID	2.70E-06	1.46E-02	4.60E-02	756623	4348608	10
348	GRID	5.54E-06	3.04E-02	4.59E-02	757037	4348330	10
432	GRID	3.02E-06	1.65E-02	4.42E-02	757037	4348700	10
194	GRID	7.83E-08	3.12E-04	4.35E-02	756313	4347682	10
351	GRID	2.95E-06	1.64E-02	4.32E-02	757347	4348330	10
412	GRID	4.30E-06	2.38E-02	4.32E-02	757140	4348608	10
427	GRID	3.47E-06	1.86E-02	4.28E-02	756520	4348700	10
302	GRID	1.03E-06	5.63E-03	4.22E-02	756623	4348145	10
392	GRID	4.73E-06	2.58E-02	4.21E-02	757244	4348515	10
367	GRID	3.55E-06	1.96E-02	4.19E-02	756830	4348423	10
196	GRID	3.11E-07	6.75E-04	4.15E-02	756520	4347682	10
330	GRID	2.33E-06	1.30E-02	4.14E-02	757347	4348237	10
372	GRID	3.72E-06	2.05E-02	4.02E-02	757347	4348423	10
433	GRID	3.31E-06	1.82E-02	3.99E-02	757140	4348700	10
331	GRID	2.20E-06	1.22E-02	3.95E-02	757450	4348237	10
347	GRID	5.37E-06	2.95E-02	3.93E-02	756933	4348330	10
310	GRID	2.08E-06	1.16E-02	3.89E-02	757450	4348145	10
282	GRID	3.73E-07	1.89E-03	3.88E-02	756727	4348052	10
413	GRID	4.34E-06	2.38E-02	3.83E-02	757244	4348608	10
422	GRID	9.41E-07	4.71E-03	3.83E-02	756003	4348700	10
423	GRID	1.09E-06	5.54E-03	3.80E-02	756106	4348700	10
352	GRID	2.27E-06	1.26E-02	3.77E-02	757450	4348330	10
406	GRID	3.21E-06	1.70E-02	3.71E-02	756520	4348608	10
393	GRID	4.02E-06	2.19E-02	3.70E-02	757347	4348515	10
329	GRID	2.35E-06	1.31E-02	3.70E-02	757244	4348237	10
290	GRID	2.38E-06	1.33E-02	3.62E-02	757554	4348052	10
269	GRID	2.70E-06	1.51E-02	3.58E-02	757554	4347960	10
311	GRID	1.99E-06	1.11E-02	3.57E-02	757554	4348145	10
303	GRID	1.71E-06	8.91E-03	3.57E-02	756727	4348145	10
434	GRID	3.57E-06	1.96E-02	3.53E-02	757244	4348700	10
373	GRID	2.85E-06	1.57E-02	3.51E-02	757450	4348423	10
425	GRID	2.05E-06	1.10E-02	3.49E-02	756313	4348700	10
323	GRID	6.73E-07	3.58E-03	3.48E-02	756623	4348237	10
289	GRID	2.36E-06	1.32E-02	3.46E-02	757450	4348052	10
388	GRID	2.72E-06	1.50E-02	3.44E-02	756830	4348515	10
332	GRID	1.82E-06	1.01E-02	3.42E-02	757554	4348237	10
414	GRID	3.80E-06	2.07E-02	3.40E-02	757347	4348608	10
426	GRID	2.97E-06	1.59E-02	3.38E-02	756416	4348700	10
346	GRID	3.85E-06	2.11E-02	3.35E-02	756830	4348330	10
278	GRID	1.42E-07	2.90E-04	3.34E-02	756313	4348052	10
421	GRID	8.63E-07	4.36E-03	3.28E-02	755900	4348700	10
387	GRID	2.15E-06	1.18E-02	3.27E-02	756727	4348515	10
353	GRID	1.82E-06	1.01E-02	3.27E-02	757554	4348330	10
394	GRID	3.28E-06	1.79E-02	3.25E-02	757450	4348515	10
248	GRID	2.77E-06	1.54E-02	3.24E-02	757554	4347867	10
328	GRID	2.50E-06	1.38E-02	3.20E-02	757140	4348237	10
270	GRID	2.44E-06	1.36E-02	3.20E-02	757657	4347960	10
249	GRID	2.65E-06	1.47E-02	3.18E-02	757657	4347867	10
435	GRID	3.55E-06	1.94E-02	3.16E-02	757347	4348700	10
228	GRID	3.26E-06	1.81E-02	3.15E-02	757657	4347775	10
291	GRID	2.12E-06	1.18E-02	3.15E-02	757657	4348052	10

374	GRID	2.20E-06	1.22E-02	3.10E-02	757554	4348423	10
257	GRID	7.00E-08	1.97E-04	3.10E-02	756313	4347960	10
207	GRID	3.36E-06	1.85E-02	3.08E-02	757657	4347682	10
312	GRID	1.74E-06	9.70E-03	3.05E-02	757657	4348145	10
415	GRID	3.33E-06	1.81E-02	3.04E-02	757450	4348608	10
176	GRID	3.16E-07	8.77E-04	3.00E-02	756623	4347589	10
186	GRID	3.04E-06	1.66E-02	2.99E-02	757657	4347589	10
386	GRID	1.90E-06	1.01E-02	2.99E-02	756623	4348515	10
333	GRID	1.57E-06	8.67E-03	2.94E-02	757657	4348237	10
424	GRID	1.24E-06	6.45E-03	2.94E-02	756210	4348700	10
268	GRID	2.44E-06	1.36E-02	2.93E-02	757450	4347960	10
309	GRID	1.75E-06	9.71E-03	2.92E-02	757347	4348145	10
395	GRID	2.53E-06	1.39E-02	2.90E-02	757554	4348515	10
175	GRID	3.30E-07	7.10E-04	2.89E-02	756520	4347589	10
324	GRID	2.17E-06	1.16E-02	2.86E-02	756727	4348237	10
436	GRID	3.21E-06	1.74E-02	2.84E-02	757450	4348700	10
354	GRID	1.55E-06	8.59E-03	2.82E-02	757657	4348330	10
155	GRID	4.75E-07	1.32E-03	2.78E-02	756623	4347497	10
322	GRID	4.34E-07	1.63E-03	2.78E-02	756520	4348237	10
227	GRID	3.13E-06	1.73E-02	2.77E-02	757554	4347775	10
326	GRID	3.56E-06	1.92E-02	2.77E-02	756933	4348237	10
327	GRID	2.89E-06	1.58E-02	2.77E-02	757037	4348237	10
325	GRID	4.08E-06	2.22E-02	2.75E-02	756830	4348237	10
214	GRID	8.61E-08	2.50E-04	2.72E-02	756210	4347775	10
416	GRID	2.78E-06	1.51E-02	2.72E-02	757554	4348608	10
375	GRID	1.65E-06	9.16E-03	2.70E-02	757657	4348423	10
229	GRID	2.72E-06	1.51E-02	2.69E-02	757761	4347775	10
301	GRID	2.62E-07	9.26E-04	2.68E-02	756520	4348145	10
208	GRID	2.93E-06	1.61E-02	2.68E-02	757761	4347682	10
271	GRID	2.04E-06	1.14E-02	2.68E-02	757761	4347960	10

This file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Kings Beach Cancer Jul 31_2011.txt

Created by HARP Version 1.4a Build 23.07.00
Uses ISC Version 99155
Uses BPIP (Dated: 04112)
Creation date: 7/31/2011 4:16:33 AM

EXCEPTION REPORT
   (there have been no changes or exceptions)

INPUT FILES:
   Source-Receptor file: C:\Documents and Settings\Ray\Desktop\Kings Beach\KB_KB2_JUL_31_2011.SRC
   Averaging period adjustment factors file: not applicable
   Emission rates file: Kings Beach Jul 31_2011.ems
   Site parameters file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\Kings Beach Truckee Rev2.sit

Screening mode is OFF

Exposure duration: 70 year (adult resident)
Analysis method: Derived (OEHHA) Method
Health effect: Cancer Risk
Receptor(s):   All
Sources(s):   All
Chemicals(s):   All

SITE PARAMETERS

DEPOSITION

   Deposition rate (m/s)   0.05

DRINKING WATER

*** Pathway disabled ***

FISH

   Water surface area (m^2)   496000000
   Water volume (L)   150680000000000
   Volume changes per year   0.05
   Fraction of ingested fish
     from contaminated source   0.05

PASTURE

*** Pathway disabled ***

HOME GROWN PRODUCE

   HUMAN INGESTION
   Fraction of ingested leafy vegetable
     from home grown source   0.15
   Fraction of ingested exposed vegetable
     from home grown source   0.15
   Fraction of ingested protected vegetable
     from home grown source   0.15
   Fraction of ingested root vegetable

from home grown source 0.15

PIGS, CHICKENS AND EGGS

*** Pathway disabled ***

DERMAL ABSORPTION

*** Pathway enabled ***

SOIL INGESTION

*** Pathway disabled ***

MOTHER'S MILK

*** Pathway enabled ***

CHEMICAL CROSS-REFERENCE TABLE AND BACKGROUND CONCENTRATIONS

CHEM	CAS	ABBREVIATION	POLLUTANT NAME	BACKGROUND (ug/m^3)
0001	1016	As cmpd(inorg)	Arsenic compounds (inorganic)	0.000E+00
0002	9901	DieselExhPM	Diesel engine exhaust, particulate matter (Diesel PM)	0.000E+00
0003	106934	EDB	Ethylene dibromide {EDB}	0.000E+00
0004	106990	1,3-Butadiene	1,3-Butadiene	0.000E+00
0005	106467	p-DiClBenzene	p-Dichlorobenzene	0.000E+00
0006	91576	2MeNaphthalene	2-Methyl naphthalene	0.000E+00
0007	83329	Acenaphthene	Acenaphthene	0.000E+00
0008	208968	Acenaphthylene	Acenaphthylene	0.000E+00
0009	75070	Acetaldehyde	Acetaldehyde	0.000E+00
0010	107028	Acrolein	Acrolein	0.000E+00
0011	7664417	NH3	Ammonia	0.000E+00
0012	120127	Anthracene	Anthracene	0.000E+00
0013	7440360	Antimony	Antimony	0.000E+00
0014	1016	As cmpd(inorg)	Arsenic compounds (inorganic)	0.000E+00
0015	56553	B[a]anthracene	Benz[a]anthracene	0.000E+00
0016	71432	Benzene	Benzene	0.000E+00
0017	50328	B[a]P	Benzo[a]pyrene	0.000E+00
0018	205992	B[b]fluoranthen	Benzo[b]fluoranthene	0.000E+00
0019	192972	B[e]pyrene	Benzo[e]pyrene	0.000E+00
0020	191242	B[g,h,i]perylen	Benzo[g,h,i]perylene	0.000E+00
0021	207089	B[k]fluoranthen	Benzo[k]fluoranthene	0.000E+00
0022	7440417	Beryllium	Beryllium	0.000E+00
0023	7440439	Cadmium	Cadmium	0.000E+00
0024	7440473	Chromium	Chromium	0.000E+00
0025	18540299	Cr(VI)	Chromium, hexavalent (& compounds)	0.000E+00
0026	218019	Chrysene	Chrysene	0.000E+00
0027	7440508	Copper	Copper	0.000E+00
0028	53703	D[a,h]anthracen	Dibenz[a,h]anthracene	0.000E+00
0029	100414	Ethyl Benzene	Ethyl benzene	0.000E+00
0030	206440	Fluoranthene	Fluoranthene	0.000E+00
0031	86737	Fluorene	Fluorene	0.000E+00
0032	50000	Formaldehyde	Formaldehyde	0.000E+00
0033	7647010	HCl	Hydrochloric acid	0.000E+00
0034	7664393	HF	Hydrogen fluoride	0.000E+00
0035	193395	In[1,2,3-cd]pyr	Indeno[1,2,3-cd]pyrene	0.000E+00
0036	7439921	Lead	Lead	0.000E+00
0037	108383	m-Xylene	m-Xylene	0.000E+00

0038	106423	p-Xylene	p-Xylene	0.000E+00
0039	7439965	Manganese	Manganese	0.000E+00
0040	7439976	Mercury	Mercury	0.000E+00
0041	91203	Naphthalene	Naphthalene	0.000E+00
0042	7440020	Nickel	Nickel	0.000E+00
0043	95476	o-Xylene	o-Xylene	0.000E+00
0044	198550	Perylene	Perylene	0.000E+00
0045	85018	Phenanthrene	Phenanthrene	0.000E+00
0046	108952	Phenol	Phenol	0.000E+00
0047	7723140	Phosphorus	Phosphorus	0.000E+00
0048	7440622	Vanadium	Vanadium (fume or dust)	0.000E+00
0049	7782492	Selenium	Selenium	0.000E+00
0050	51207319	2,3,7,8-TCDF	2,3,7,8-Tetrachlorodibenzofuran	0.000E+00
0051	1085	Dioxins-w/	Dioxins, total, with individ. isomers also reported {PCDDs}	0.000E+00

CHEMICAL HEALTH VALUES

CHEM	CAS	ABBREVIATION	CancerPF(Inh) (mg/kg-d)^-1	CancerPF(Oral) (mg/kg-d)^-1	ChronicREL(Inh) ug/m^3	ChronicREL(Oral) mg/kg-d	AcuteREL ug/m^3
0001	1016	As cmpd(inorg)	1.20E+01	1.50E+00	3.00E-02	3.00E-04	1.90E-01
0002	9901	DieselExhPM	1.10E+00	*	5.00E+00	*	*
0003	106934	EDB	2.50E-01	*	8.00E-01	*	*
0004	106990	1,3-Butadiene	6.00E-01	*	2.00E+01	*	*
0005	106467	p-DiClBenzene	4.00E-02	*	8.00E+02	*	*
0006	91576	2MeNaphthalene	*	*	*	*	*
0007	83329	Acenaphthene	*	*	*	*	*
0008	208968	Acenaphthylene	*	*	*	*	*
0009	75070	Acetaldehyde	1.00E-02	*	9.00E+00	*	*
0010	107028	Acrolein	*	*	6.00E-02	*	1.90E-01
0011	7664417	NH3	*	*	2.00E+02	*	3.20E+03
0012	120127	Anthracene	*	*	*	*	*
0013	7440360	Antimony	*	*	*	*	*
0014	1016	As cmpd(inorg)	1.20E+01	1.50E+00	3.00E-02	3.00E-04	1.90E-01
0015	56553	B[a]anthracene	3.90E-01	1.20E+00	*	*	*
0016	71432	Benzene	1.00E-01	*	6.00E+01	*	1.30E+03
0017	50328	B[a]P	3.90E+00	1.20E+01	*	*	*
0018	205992	B[b]fluoranthen	3.90E-01	1.20E+00	*	*	*
0019	192972	B[e]pyrene	*	*	*	*	*
0020	191242	B[g,h,i]perylen	*	*	*	*	*
0021	207089	B[k]fluoranthen	3.90E-01	1.20E+00	*	*	*
0022	7440417	Beryllium	8.40E+00	*	7.00E-03	2.00E-03	*
0023	7440439	Cadmium	1.50E+01	*	2.00E-02	5.00E-04	*
0024	7440473	Chromium	*	*	*	*	*
0025	18540299	Cr(VI)	5.10E+02	*	2.00E-01	2.00E-02	*
0026	218019	Chrysene	3.90E-02	1.20E-01	*	*	*
0027	7440508	Copper	*	*	*	*	1.00E+02
0028	53703	D[a,h]anthracen	4.10E+00	4.10E+00	*	*	*
0029	100414	Ethyl Benzene	8.70E-03	*	2.00E+03	*	*
0030	206440	Fluoranthene	*	*	*	*	*
0031	86737	Fluorene	*	*	*	*	*
0032	50000	Formaldehyde	2.10E-02	*	3.00E+00	*	9.40E+01
0033	7647010	HCl	*	*	9.00E+00	*	2.10E+03
0034	7664393	HF	*	*	1.40E+01	4.00E-02	2.40E+02
0035	193395	In[1,2,3-cd]pyr	3.90E-01	1.20E+00	*	*	*
0036	7439921	Lead	4.20E-02	8.50E-03	*	*	*
0037	108383	m-Xylene	*	*	7.00E+02	*	2.20E+04
0038	106423	p-Xylene	*	*	7.00E+02	*	2.20E+04
0039	7439965	Manganese	*	*	2.00E-01	*	*
0040	7439976	Mercury	*	*	9.00E-02	3.00E-04	1.80E+00

0041	91203	Naphthalene	1.20E-01	*	9.00E+00	*	*
0042	7440020	Nickel	9.10E-01	*	5.00E-02	5.00E-02	6.00E+00
0043	95476	o-Xylene	*	*	7.00E+02	*	2.20E+04
0044	198550	Perylene	*	*	*	*	*
0045	85018	Phenanthrene	*	*	*	*	*
0046	108952	Phenol	*	*	2.00E+02	*	5.80E+03
0047	7723140	Phosphorus	*	*	*	*	*
0048	7440622	Vanadium	*	*	*	*	3.00E+01
0049	7782492	Selenium	*	*	2.00E+01	*	*
0050	51207319	2,3,7,8-TCDF	1.30E+04	1.30E+04	4.00E-04	1.00E-07	*
0051	1085	Dioxins-w/	*	*	*	*	*

EMISSIONS DATA SOURCE: Emission rates loaded from file: C:\2011 Files\1Projects\1 Placer County Kings Beach\HARP Modeling\KB_KB2_Rev3.ems
EMISSION RATES HAVE BEEN MANUALLY EDITED BY USER
CHEMICALS ADDED OR DELETED: none

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=1 NAME=STCK1 EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
1016	As cmpd(inorg)	1	0	0	6.65e-6
9901	DieselExhPM	1	0	0.00E+00	0.00E+00
106934	EDB	1		445	5.09e-2
106990	1,3-Butadiene	1		127	.0145
106467	p-DiClBenzene	1		343	.0392
91576	2MeNaphthalene	1		.0605	6.9e-6
83329	Acenaphthene	1		.0278	3.17e-6
208968	Acenaphthylene	1		1.15	1.32e-4
75070	Acetaldehyde	1		74.5	8.31e-3
107028	Acrolein	1		5.35	6.11e-4
7664417	NH3	1		2700	.308
120127	Anthracene	1		.0122	1.39e-6
7440360	Antimony	1		.0571	6.52e-6
1016	As cmpd(inorg)	1		.0583	6.65e-6
56553	B[a]anthracene	1		7.29e-4	8.32e-8
71432	Benzene	1		330	.0377
50328	B[a]P	1		.00116	1.33e-7
205992	B[b]fluoranthen	1		.00139	1.59e-7
192972	B[e]pyrene	1		.00211	2.41e-7
191242	B[g,h,i]perylen	1		3.13e-3	3.58e-7
207089	B[k]fluoranthen	1		7.99e-4	9.13e-8
7440417	Beryllium	1		.0173	1.97e-6
7440439	Cadmium	1		.0583	6.65e-6
7440473	Chromium	1		.214	2.45e-5
18540299	Cr(VI)	1		.0248	2.83e-6
218019	Chrysene	1		.00116	1.33e-7
7440508	Copper	1		1.31	1.49e-4
53703	D[a,h]anthracen	1		5.44e-4	6.21e-8
100414	Ethyl Benzene	1		248	.0283
206440	Fluoranthene	1		.0708	8.09e-6
86737	Fluorene	1		.0271	3.09e-6
50000	Formaldehyde	1		33.5	3.82e-3
7647010	HCl	1		1620	.185
7664393	HF	1		14.3	1.64e-3
193395	In[1,2,3-cd]pyr	1		8.35e-4	9.53e-8
7439921	Lead	1		.128	2.08e-6
108383	m-Xylene	1		248	5.6e-2
106423	p-Xylene	1		248	5.62e-2
7439965	Manganese	1		1.23	1.41e-4
7439976	Mercury	1		.238	2.72e-5

91203	Naphthalene	1	13.2	1.51e-3
7440020	Nickel	1	.25	2.85e-5
95476	o-Xylene	1	248	1.4e-2
198550	Perylene	1	5.44e-4	1.05e-5
85018	Phenanthrene	1	.218	2.49e-5
108952	Phenol	1	9.96	1.14e-3
7723140	Phosphorus	1	5.52	6.3e-4
7440622	Vanadium	1	.276	3.16e-5
7782492	Selenium	1	.243	2.77e-5
51207319	2,3,7,8-TCDF	1	2.25e-5	4.37e-9
1085	Dioxins-w/	1	3.82e-5	

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=2 NAME=TRUCK EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
1016	As cmpd(inorg)	1	0	.969	0.00E+00
9901	DieselExhPM	1	0	1.00E+00	.969
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
1016	As cmpd(inorg)	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			
193395	In[1,2,3-cd]pyr	1			
7439921	Lead	1			
108383	m-Xylene	1			
106423	p-Xylene	1			
7439965	Manganese	1			
7439976	Mercury	1			
91203	Naphthalene	1			
7440020	Nickel	1			
95476	o-Xylene	1			
198550	Perylene	1			

85018	Phenanthrene	1
108952	Phenol	1
7723140	Phosphorus	1
7440622	Vanadium	1
7782492	Selenium	1
51207319	2,3,7,8-TCDF	1
1085	Dioxins-w/	1

EMISSIONS FOR FACILITY FAC=1 DEV=* PRO=* STK=3 NAME=LOADER EMS (lbs/yr)
SOURCE MULTIPLIER=1

CAS	ABBREV	MULTIPLIER	BG (ug/m^3)	AVRG (lbs/yr)	MAX (lbs/hr)
1016	As cmpd(inorg)	1	0	2e-4	0.00E+00
9901	DieselExhPM	1	0	1.00E+00	2.0e-4
106934	EDB	1			
106990	1,3-Butadiene	1			
106467	p-DiClBenzene	1			
91576	2MeNaphthalene	1			
83329	Acenaphthene	1			
208968	Acenaphthylene	1			
75070	Acetaldehyde	1			
107028	Acrolein	1			
7664417	NH3	1			
120127	Anthracene	1			
7440360	Antimony	1			
1016	As cmpd(inorg)	1			
56553	B[a]anthracene	1			
71432	Benzene	1			
50328	B[a]P	1			
205992	B[b]fluoranthen	1			
192972	B[e]pyrene	1			
191242	B[g,h,i]perylen	1			
207089	B[k]fluoranthen	1			
7440417	Beryllium	1			
7440439	Cadmium	1			
7440473	Chromium	1			
18540299	Cr(VI)	1			
218019	Chrysene	1			
7440508	Copper	1			
53703	D[a,h]anthracen	1			
100414	Ethyl Benzene	1			
206440	Fluoranthene	1			
86737	Fluorene	1			
50000	Formaldehyde	1			
7647010	HCl	1			
7664393	HF	1			
193395	In[1,2,3-cd]pyr	1			
7439921	Lead	1			
108383	m-Xylene	1			
106423	p-Xylene	1			
7439965	Manganese	1			
7439976	Mercury	1			
91203	Naphthalene	1			
7440020	Nickel	1			
95476	o-Xylene	1			
198550	Perylene	1			
85018	Phenanthrene	1			
108952	Phenol	1			
7723140	Phosphorus	1			
7440622	Vanadium	1			

7782492	Selenium	1
51207319	2,3,7,8-TCDF	1
1085	Dioxins-w/	1

CANCER RISK REPORT

REC	INHAL	DERM	SOIL	MOTHER	FISH	WATER	VEG	DAIRY	BEEF	CHICK	PIG	EGG	MEAT	ORAL	TOTAL	UTME	UTMN
0001	2.75E-08	1.10E-08	0.00E+00	1.81E-10	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	4.86E-08	755900	4346849
0002	1.87E-08	1.16E-08	0.00E+00	1.18E-10	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	4.10E-08	756003	4346849
0003	1.85E-08	1.64E-08	0.00E+00	1.09E-10	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-08	5.00E-08	756106	4346849
0004	2.35E-08	2.23E-08	0.00E+00	1.38E-10	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-08	6.63E-08	756210	4346849
0005	3.62E-08	1.98E-08	0.00E+00	2.32E-10	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-08	7.43E-08	756313	4346849
0006	6.00E-08	2.19E-08	0.00E+00	3.98E-10	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-08	1.02E-07	756416	4346849
0007	1.51E-07	5.82E-08	0.00E+00	9.97E-10	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.63E-07	756520	4346849
0008	2.82E-07	9.08E-08	0.00E+00	1.89E-09	0.00E+00	0.00E+00	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	4.57E-07	756623	4346849
0009	2.52E-07	8.81E-08	0.00E+00	1.68E-09	0.00E+00	0.00E+00	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	4.22E-07	756727	4346849
0010	1.33E-07	8.19E-08	0.00E+00	8.36E-10	0.00E+00	0.00E+00	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.90E-07	756830	4346849
0011	5.38E-08	5.78E-08	0.00E+00	3.05E-10	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.65E-07	756933	4346849
0012	2.70E-08	3.37E-08	0.00E+00	1.47E-10	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	9.16E-08	757037	4346849
0013	2.28E-08	1.85E-08	0.00E+00	1.37E-10	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-08	5.84E-08	757140	4346849
0014	1.85E-08	9.86E-09	0.00E+00	1.18E-10	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.74E-08	757244	4346849
0015	1.29E-08	6.50E-09	0.00E+00	8.31E-11	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.54E-08	757347	4346849
0016	9.65E-09	5.15E-09	0.00E+00	6.18E-11	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.96E-08	757450	4346849
0017	1.29E-08	4.78E-09	0.00E+00	8.51E-11	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	2.20E-08	757554	4346849
0018	3.55E-08	5.09E-09	0.00E+00	2.46E-10	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-09	4.54E-08	757657	4346849
0019	2.21E-07	9.32E-09	0.00E+00	1.56E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.39E-07	757761	4346849
0020	5.09E-07	1.59E-08	0.00E+00	3.61E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-08	5.41E-07	757864	4346849
0021	5.14E-07	1.62E-08	0.00E+00	3.64E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-08	5.46E-07	757967	4346849
0022	3.32E-08	1.25E-08	0.00E+00	2.20E-10	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	5.73E-08	755900	4346941
0023	2.29E-08	1.19E-08	0.00E+00	1.47E-10	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08	4.58E-08	756003	4346941
0024	1.78E-08	1.53E-08	0.00E+00	1.06E-10	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	4.72E-08	756106	4346941
0025	2.15E-08	2.32E-08	0.00E+00	1.22E-10	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-08	6.60E-08	756210	4346941
0026	3.39E-08	2.24E-08	0.00E+00	2.12E-10	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-08	7.70E-08	756313	4346941
0027	5.75E-08	2.25E-08	0.00E+00	3.79E-10	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-08	1.01E-07	756416	4346941
0028	1.55E-07	6.24E-08	0.00E+00	1.02E-09	0.00E+00	0.00E+00	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.75E-07	756520	4346941
0029	2.95E-07	9.74E-08	0.00E+00	1.98E-09	0.00E+00	0.00E+00	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.83E-07	756623	4346941
0030	2.39E-07	9.35E-08	0.00E+00	1.58E-09	0.00E+00	0.00E+00	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.19E-07	756727	4346941
0031	1.10E-07	8.29E-08	0.00E+00	6.73E-10	0.00E+00	0.00E+00	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.69E-07	756830	4346941
0032	4.09E-08	5.23E-08	0.00E+00	2.21E-10	0.00E+00	0.00E+00	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.41E-07	756933	4346941
0033	2.49E-08	2.82E-08	0.00E+00	1.39E-10	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	7.91E-08	757037	4346941
0034	2.12E-08	1.41E-08	0.00E+00	1.32E-10	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.83E-08	757140	4346941
0035	1.50E-08	7.86E-09	0.00E+00	9.64E-11	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	3.01E-08	757244	4346941
0036	1.04E-08	5.54E-09	0.00E+00	6.65E-11	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.10E-08	757347	4346941
0037	9.86E-09	5.02E-09	0.00E+00	6.34E-11	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.95E-08	757450	4346941
0038	1.33E-08	4.77E-09	0.00E+00	8.82E-11	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-09	2.25E-08	757554	4346941
0039	3.78E-08	5.77E-09	0.00E+00	2.62E-10	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	4.90E-08	757657	4346941
0040	2.45E-07	1.06E-08	0.00E+00	1.73E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	2.66E-07	757761	4346941
0041	6.58E-07	1.98E-08	0.00E+00	4.66E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-08	6.98E-07	757864	4346941
0042	5.82E-07	1.84E-08	0.00E+00	4.13E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-08	6.19E-07	757967	4346941
0043	3.49E-08	1.43E-08	0.00E+00	2.29E-10	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	6.25E-08	755900	4347034
0044	3.06E-08	1.31E-08	0.00E+00	2.01E-10	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	5.58E-08	756003	4347034
0045	1.88E-08	1.45E-08	0.00E+00	1.15E-10	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	4.66E-08	756106	4347034
0046	1.99E-08	2.30E-08	0.00E+00	1.11E-10	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-08	6.39E-08	756210	4347034
0047	3.11E-08	2.55E-08	0.00E+00	1.88E-10	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-08	8.01E-08	756313	4347034
0048	5.40E-08	2.34E-08	0.00E+00	3.53E-10	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-08	9.90E-08	756416	4347034
0049	1.58E-07	6.73E-08	0.00E+00	1.04E-09	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.87E-07	756520	4347034
0050	3.07E-07	1.06E-07	0.00E+00	2.04E-09	0.00E+00	0.00E+00	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	5.11E-07	756623	4347034
0051	2.21E-07	1.01E-07	0.00E+00	1.44E-09	0.00E+00	0.00E+00	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.15E-07	756727	4347034
0052	8.62E-08	8.14E-08	0.00E+00	5.05E-10	0.00E+00	0.00E+00	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.43E-07	756830	4347034
0053	3.22E-08	4.50E-08	0.00E+00	1.68E-10	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.18E-07	756933	4347034

0054	2.39E-08	2.21E-08	0.00E+00	1.41E-10	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-08	6.63E-08	757037	4347034
0055	1.81E-08	1.06E-08	0.00E+00	1.15E-10	0.00E+00	0.00E+00	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.85E-08	757140	4347034
0056	1.18E-08	6.54E-09	0.00E+00	7.53E-11	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.44E-08	757244	4347034
0057	9.84E-09	5.24E-09	0.00E+00	6.30E-11	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.99E-08	757347	4347034
0058	1.13E-08	4.91E-09	0.00E+00	7.36E-11	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-09	2.07E-08	757450	4347034
0059	1.50E-08	5.56E-09	0.00E+00	9.98E-11	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.58E-08	757554	4347034
0060	3.42E-08	6.52E-09	0.00E+00	2.35E-10	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	4.68E-08	757657	4347034
0061	3.23E-07	1.31E-08	0.00E+00	2.28E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	3.49E-07	757761	4347034
0062	7.99E-07	2.38E-08	0.00E+00	5.67E-09	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-08	8.47E-07	757864	4347034
0063	7.84E-07	2.47E-08	0.00E+00	5.56E-09	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-08	8.34E-07	757967	4347034
0064	3.08E-08	1.50E-08	0.00E+00	1.99E-10	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-08	5.97E-08	755900	4347126
0065	3.81E-08	1.48E-08	0.00E+00	2.51E-10	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	6.66E-08	756003	4347126
0066	2.38E-08	1.45E-08	0.00E+00	1.50E-10	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	5.16E-08	756106	4347126
0067	1.85E-08	2.14E-08	0.00E+00	1.03E-10	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-08	5.96E-08	756210	4347126
0068	2.76E-08	2.83E-08	0.00E+00	1.59E-10	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	8.20E-08	756313	4347126
0069	4.73E-08	1.42E-08	0.00E+00	3.18E-10	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	7.47E-08	756416	4347126
0070	1.58E-07	6.34E-08	0.00E+00	1.04E-09	0.00E+00	0.00E+00	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.80E-07	756520	4347126
0071	3.10E-07	9.08E-08	0.00E+00	2.09E-09	0.00E+00	0.00E+00	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	4.85E-07	756623	4347126
0072	1.91E-07	9.15E-08	0.00E+00	1.24E-09	0.00E+00	0.00E+00	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.67E-07	756727	4347126
0073	6.26E-08	7.52E-08	0.00E+00	3.45E-10	0.00E+00	0.00E+00	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.07E-07	756830	4347126
0074	2.77E-08	3.69E-08	0.00E+00	1.47E-10	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	9.85E-08	756933	4347126
0075	2.20E-08	1.62E-08	0.00E+00	1.34E-10	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-08	5.31E-08	757037	4347126
0076	1.42E-08	8.26E-09	0.00E+00	8.99E-11	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	3.01E-08	757140	4347126
0077	1.01E-08	5.95E-09	0.00E+00	6.42E-11	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.16E-08	757244	4347126
0078	1.08E-08	5.31E-09	0.00E+00	7.01E-11	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.10E-08	757347	4347126
0079	1.30E-08	5.84E-09	0.00E+00	8.48E-11	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.42E-08	757450	4347126
0080	1.64E-08	6.57E-09	0.00E+00	1.08E-10	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.90E-08	757554	4347126
0081	4.28E-08	7.74E-09	0.00E+00	2.95E-10	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	5.78E-08	757657	4347126
0082	4.57E-07	1.74E-08	0.00E+00	3.23E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	4.91E-07	757761	4347126
0083	1.06E-06	3.25E-08	0.00E+00	7.51E-09	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.13E-06	757864	4347126
0084	1.09E-06	3.65E-08	0.00E+00	7.69E-09	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.16E-06	757967	4347126
0085	2.48E-08	1.36E-08	0.00E+00	1.58E-10	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	5.09E-08	755900	4347219
0086	3.79E-08	1.67E-08	0.00E+00	2.48E-10	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-08	7.00E-08	756003	4347219
0087	3.34E-08	1.04E-08	0.00E+00	2.24E-10	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	5.35E-08	756106	4347219
0088	1.75E-08	1.41E-08	0.00E+00	1.06E-10	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.47E-08	756210	4347219
0089	2.27E-08	2.34E-08	0.00E+00	1.31E-10	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	6.77E-08	756313	4347219
0090	4.18E-08	1.54E-08	0.00E+00	2.78E-10	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	7.16E-08	756416	4347219
0091	1.59E-07	6.83E-08	0.00E+00	1.05E-09	0.00E+00	0.00E+00	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.91E-07	756520	4347219
0092	3.16E-07	9.63E-08	0.00E+00	2.13E-09	0.00E+00	0.00E+00	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	5.02E-07	756623	4347219
0093	1.57E-07	8.67E-08	0.00E+00	1.01E-09	0.00E+00	0.00E+00	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	3.24E-07	756727	4347219
0094	4.16E-08	5.30E-08	0.00E+00	2.25E-10	0.00E+00	0.00E+00	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.43E-07	756830	4347219
0095	2.48E-08	2.31E-08	0.00E+00	1.45E-10	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-08	6.91E-08	756933	4347219
0096	1.78E-08	1.16E-08	0.00E+00	1.11E-10	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	4.01E-08	757037	4347219
0097	1.14E-08	7.13E-09	0.00E+00	7.14E-11	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.51E-08	757140	4347219
0098	1.01E-08	5.92E-09	0.00E+00	6.40E-11	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.15E-08	757244	4347219
0099	1.15E-08	6.32E-09	0.00E+00	7.37E-11	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.37E-08	757347	4347219
0100	1.32E-08	7.25E-09	0.00E+00	8.44E-11	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.71E-08	757450	4347219
0101	2.24E-08	7.88E-09	0.00E+00	1.49E-10	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.75E-08	757554	4347219
0102	2.11E-07	1.36E-08	0.00E+00	1.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-08	2.38E-07	757657	4347219
0103	7.68E-07	2.90E-08	0.00E+00	5.44E-09	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	8.26E-07	757761	4347219
0104	1.44E-06	4.84E-08	0.00E+00	1.02E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.53E-06	757864	4347219
0105	1.32E-06	5.12E-08	0.00E+00	9.36E-09	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.42E-06	757967	4347219
0106	2.31E-08	1.23E-08	0.00E+00	1.48E-10	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.67E-08	755900	4347312
0107	2.84E-08	1.16E-08	0.00E+00	1.87E-10	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	5.06E-08	756003	4347312
0108	4.35E-08	1.30E-08	0.00E+00	2.92E-10	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	6.85E-08	756106	4347312
0109	2.21E-08	1.18E-08	0.00E+00	1.42E-10	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.48E-08	756210	4347312
0110	1.97E-08	2.37E-08	0.00E+00	1.09E-10	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-08	6.52E-08	756313	4347312
0111	3.55E-08	1.82E-08	0.00E+00	2.29E-10	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-08	7.06E-08	756416	4347312
0112	1.56E-07	7.41E-08	0.00E+00	1.02E-09	0.00E+00	0.00E+00	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.99E-07	756520	4347312

0113	3.05E-07	1.01E-07	0.00E+00	2.04E-09	0.00E+00	0.00E+00	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	5.00E-07	756623	4347312
0114	1.13E-07	8.72E-08	0.00E+00	6.91E-10	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.81E-07	756727	4347312
0115	3.12E-08	4.27E-08	0.00E+00	1.65E-10	0.00E+00	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.13E-07	756830	4347312
0116	2.20E-08	1.51E-08	0.00E+00	1.37E-10	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	5.10E-08	756933	4347312
0117	1.36E-08	8.07E-09	0.00E+00	8.60E-11	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.91E-08	757037	4347312
0118	1.08E-08	6.87E-09	0.00E+00	6.73E-11	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.40E-08	757140	4347312
0119	1.08E-08	7.10E-09	0.00E+00	6.71E-11	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.44E-08	757244	4347312
0120	1.19E-08	8.03E-09	0.00E+00	7.41E-11	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.73E-08	757347	4347312
0121	1.76E-08	8.79E-09	0.00E+00	1.13E-10	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.45E-08	757450	4347312
0122	5.96E-08	1.23E-08	0.00E+00	4.09E-10	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	8.34E-08	757554	4347312
0123	5.35E-07	2.77E-08	0.00E+00	3.78E-09	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08	5.90E-07	757657	4347312
0124	1.25E-06	4.99E-08	0.00E+00	8.82E-09	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.35E-06	757761	4347312
0125	1.75E-06	6.73E-08	0.00E+00	1.24E-08	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	1.89E-06	757864	4347312
0126	1.52E-06	6.66E-08	0.00E+00	1.07E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	1.65E-06	757967	4347312
0127	2.56E-08	1.08E-08	0.00E+00	1.68E-10	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	4.64E-08	755900	4347404
0128	2.33E-08	1.05E-08	0.00E+00	1.52E-10	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	4.34E-08	756003	4347404
0129	3.82E-08	1.45E-08	0.00E+00	2.52E-10	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	6.61E-08	756106	4347404
0130	3.46E-08	1.26E-08	0.00E+00	2.29E-10	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	5.89E-08	756210	4347404
0131	1.72E-08	2.09E-08	0.00E+00	9.48E-11	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-08	5.74E-08	756313	4347404
0132	2.89E-08	2.35E-08	0.00E+00	1.75E-10	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-08	7.40E-08	756416	4347404
0133	1.52E-07	8.15E-08	0.00E+00	9.79E-10	0.00E+00	0.00E+00	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.09E-07	756520	4347404
0134	2.86E-07	1.09E-07	0.00E+00	1.89E-09	0.00E+00	0.00E+00	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.97E-07	756623	4347404
0135	7.11E-08	8.04E-08	0.00E+00	3.98E-10	0.00E+00	0.00E+00	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.26E-07	756727	4347404
0136	2.74E-08	3.02E-08	0.00E+00	1.54E-10	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	8.54E-08	756830	4347404
0137	1.69E-08	1.03E-08	0.00E+00	1.07E-10	0.00E+00	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.67E-08	756933	4347404
0138	1.19E-08	7.28E-09	0.00E+00	7.49E-11	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	757037	4347404
0139	1.15E-08	8.07E-09	0.00E+00	7.10E-11	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.70E-08	757140	4347404
0140	1.23E-08	9.30E-09	0.00E+00	7.55E-11	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.02E-08	757244	4347404
0141	1.93E-08	1.07E-08	0.00E+00	1.23E-10	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.99E-08	757347	4347404
0142	5.15E-08	1.61E-08	0.00E+00	3.46E-10	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-08	8.25E-08	757450	4347404
0143	4.80E-07	3.34E-08	0.00E+00	3.38E-09	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	5.46E-07	757554	4347404
0144	1.17E-06	5.63E-08	0.00E+00	8.24E-09	0.00E+00	0.00E+00	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.28E-06	757657	4347404
0145	1.89E-06	7.82E-08	0.00E+00	1.34E-08	0.00E+00	0.00E+00	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.05E-06	757761	4347404
0146	2.00E-06	8.40E-08	0.00E+00	1.41E-08	0.00E+00	0.00E+00	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.17E-06	757864	4347404
0147	1.65E-06	7.63E-08	0.00E+00	1.17E-08	0.00E+00	0.00E+00	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	1.80E-06	757967	4347404
0148	2.93E-08	1.34E-08	0.00E+00	1.91E-10	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	5.51E-08	755900	4347497
0149	2.74E-08	1.26E-08	0.00E+00	1.79E-10	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	5.16E-08	756003	4347497
0150	2.66E-08	1.24E-08	0.00E+00	1.73E-10	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	5.05E-08	756106	4347497
0151	4.72E-08	1.64E-08	0.00E+00	3.14E-10	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-08	7.88E-08	756210	4347497
0152	1.75E-08	1.47E-08	0.00E+00	1.05E-10	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	4.57E-08	756313	4347497
0153	2.32E-08	3.11E-08	0.00E+00	1.25E-10	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	8.30E-08	756416	4347497
0154	1.46E-07	9.07E-08	0.00E+00	9.21E-10	0.00E+00	0.00E+00	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	3.20E-07	756520	4347497
0155	2.46E-07	1.19E-07	0.00E+00	1.59E-09	0.00E+00	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	4.75E-07	756623	4347497
0156	4.19E-08	6.78E-08	0.00E+00	2.06E-10	0.00E+00	0.00E+00	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	1.72E-07	756727	4347497
0157	2.19E-08	1.70E-08	0.00E+00	1.33E-10	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-08	5.45E-08	756830	4347497
0158	1.36E-08	7.72E-09	0.00E+00	8.62E-11	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.84E-08	756933	4347497
0159	1.20E-08	7.78E-09	0.00E+00	7.53E-11	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.70E-08	757037	4347497
0160	1.28E-08	1.08E-08	0.00E+00	7.71E-11	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.36E-08	757140	4347497
0161	2.33E-08	1.28E-08	0.00E+00	1.49E-10	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.79E-08	757244	4347497
0162	5.39E-08	2.35E-08	0.00E+00	3.53E-10	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-08	9.91E-08	757347	4347497
0163	1.94E-07	3.79E-08	0.00E+00	1.33E-09	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	2.67E-07	757450	4347497
0164	1.28E-06	7.04E-08	0.00E+00	9.06E-09	0.00E+00	0.00E+00	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	1.42E-06	757554	4347497
0165	1.98E-06	8.95E-08	0.00E+00	1.40E-08	0.00E+00	0.00E+00	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	2.16E-06	757657	4347497
0166	2.42E-06	9.87E-08	0.00E+00	1.71E-08	0.00E+00	0.00E+00	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	2.62E-06	757761	4347497
0167	2.18E-06	9.08E-08	0.00E+00	1.54E-08	0.00E+00	0.00E+00	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	2.36E-06	757864	4347497
0168	1.80E-06	7.83E-08	0.00E+00	1.27E-08	0.00E+00	0.00E+00	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	1.96E-06	757967	4347497
0169	4.70E-08	1.71E-08	0.00E+00	3.12E-10	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-08	7.99E-08	755900	4347589
0170	3.35E-08	1.61E-08	0.00E+00	2.17E-10	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-08	6.45E-08	756003	4347589
0171	2.85E-08	1.49E-08	0.00E+00	1.83E-10	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	5.71E-08	756106	4347589

0172	3.38E-08	1.41E-08	0.00E+00	2.21E-10	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	6.10E-08	756210	4347589
0173	3.47E-08	1.52E-08	0.00E+00	2.27E-10	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	6.40E-08	756313	4347589
0174	1.73E-08	3.34E-08	0.00E+00	7.94E-11	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	8.14E-08	756416	4347589
0175	1.38E-07	9.98E-08	0.00E+00	8.56E-10	0.00E+00	0.00E+00	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.30E-07	756520	4347589
0176	1.63E-07	7.95E-08	0.00E+00	1.06E-09	0.00E+00	0.00E+00	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.16E-07	756623	4347589
0177	2.65E-08	2.89E-08	0.00E+00	1.50E-10	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-08	8.20E-08	756727	4347589
0178	1.61E-08	9.52E-09	0.00E+00	1.02E-10	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.44E-08	756830	4347589
0179	1.35E-08	8.84E-09	0.00E+00	8.42E-11	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.05E-08	756933	4347589
0180	1.50E-08	1.17E-08	0.00E+00	9.18E-11	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.75E-08	757037	4347589
0181	2.89E-08	1.75E-08	0.00E+00	1.83E-10	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-08	6.25E-08	757140	4347589
0182	6.88E-08	2.82E-08	0.00E+00	4.53E-10	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	1.23E-07	757244	4347589
0183	1.32E-07	5.22E-08	0.00E+00	8.68E-10	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	757347	4347589
0184	6.68E-07	6.95E-08	0.00E+00	4.67E-09	0.00E+00	0.00E+00	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	8.03E-07	757450	4347589
0185	2.12E-06	1.01E-07	0.00E+00	1.50E-08	0.00E+00	0.00E+00	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	2.32E-06	757554	4347589
0186	2.82E-06	1.11E-07	0.00E+00	1.99E-08	0.00E+00	0.00E+00	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.04E-06	757657	4347589
0187	2.66E-06	1.01E-07	0.00E+00	1.88E-08	0.00E+00	0.00E+00	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	2.86E-06	757761	4347589
0188	2.24E-06	8.62E-08	0.00E+00	1.59E-08	0.00E+00	0.00E+00	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.41E-06	757864	4347589
0189	1.86E-06	7.28E-08	0.00E+00	1.32E-08	0.00E+00	0.00E+00	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.01E-06	757967	4347589
0190	6.31E-08	2.32E-08	0.00E+00	4.19E-10	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-08	1.08E-07	755900	4347682
0191	5.64E-08	2.31E-08	0.00E+00	3.71E-10	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-08	1.01E-07	756003	4347682
0192	3.89E-08	2.05E-08	0.00E+00	2.50E-10	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	7.84E-08	756106	4347682
0193	2.53E-08	1.31E-08	0.00E+00	1.63E-10	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	5.05E-08	756210	4347682
0194	5.50E-08	1.21E-08	0.00E+00	3.75E-10	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	7.83E-08	756313	4347682
0195	9.30E-09	1.73E-08	0.00E+00	4.36E-11	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-08	4.25E-08	756416	4347682
0196	1.31E-07	9.36E-08	0.00E+00	8.13E-10	0.00E+00	0.00E+00	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.11E-07	756520	4347682
0197	6.59E-08	6.69E-08	0.00E+00	3.81E-10	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	1.94E-07	756623	4347682
0198	1.89E-08	1.59E-08	0.00E+00	1.13E-10	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.95E-08	756727	4347682
0199	1.53E-08	8.96E-09	0.00E+00	9.72E-11	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.26E-08	756830	4347682
0200	1.83E-08	1.56E-08	0.00E+00	1.10E-10	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-08	4.82E-08	756933	4347682
0201	4.22E-08	2.73E-08	0.00E+00	2.65E-10	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	9.46E-08	757037	4347682
0202	7.17E-08	4.25E-08	0.00E+00	4.54E-10	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.53E-07	757140	4347682
0203	1.56E-07	5.40E-08	0.00E+00	1.04E-09	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.60E-07	757244	4347682
0204	4.81E-07	5.93E-08	0.00E+00	3.35E-09	0.00E+00	0.00E+00	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	5.96E-07	757347	4347682
0205	1.34E-06	8.38E-08	0.00E+00	9.43E-09	0.00E+00	0.00E+00	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	1.50E-06	757450	4347682
0206	2.66E-06	1.04E-07	0.00E+00	1.88E-08	0.00E+00	0.00E+00	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	2.86E-06	757554	4347682
0207	3.15E-06	1.07E-07	0.00E+00	2.23E-08	0.00E+00	0.00E+00	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.36E-06	757657	4347682
0208	2.74E-06	9.26E-08	0.00E+00	1.94E-08	0.00E+00	0.00E+00	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	2.93E-06	757761	4347682
0209	2.29E-06	7.77E-08	0.00E+00	1.62E-08	0.00E+00	0.00E+00	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.45E-06	757864	4347682
0210	1.81E-06	6.34E-08	0.00E+00	1.28E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	1.94E-06	757967	4347682
0211	6.24E-08	3.02E-08	0.00E+00	4.04E-10	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	1.21E-07	755900	4347775
0212	5.98E-08	3.00E-08	0.00E+00	3.85E-10	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	1.17E-07	756003	4347775
0213	5.92E-08	3.02E-08	0.00E+00	3.81E-10	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	1.17E-07	756106	4347775
0214	4.61E-08	2.08E-08	0.00E+00	3.01E-10	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-08	8.61E-08	756210	4347775
0215	1.92E-08	1.65E-08	0.00E+00	1.14E-10	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-08	5.09E-08	756313	4347775
0216	1.09E-08	8.84E-09	0.00E+00	6.55E-11	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.79E-08	756416	4347775
0217	1.30E-07	7.33E-08	0.00E+00	8.32E-10	0.00E+00	0.00E+00	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.70E-07	756520	4347775
0218	1.45E-08	2.05E-08	0.00E+00	7.57E-11	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-08	5.40E-08	756623	4347775
0219	1.35E-08	8.99E-09	0.00E+00	8.41E-11	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.08E-08	756727	4347775
0220	2.65E-08	1.91E-08	0.00E+00	1.64E-10	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-08	6.33E-08	756830	4347775
0221	5.71E-08	4.62E-08	0.00E+00	3.45E-10	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.46E-07	756933	4347775
0222	7.80E-08	6.38E-08	0.00E+00	4.70E-10	0.00E+00	0.00E+00	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.01E-07	757037	4347775
0223	1.31E-07	5.90E-08	0.00E+00	8.51E-10	0.00E+00	0.00E+00	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.44E-07	757140	4347775
0224	3.62E-07	5.60E-08	0.00E+00	2.51E-09	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	4.70E-07	757244	4347775
0225	8.29E-07	5.67E-08	0.00E+00	5.83E-09	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	9.40E-07	757347	4347775
0226	2.13E-06	8.34E-08	0.00E+00	1.50E-08	0.00E+00	0.00E+00	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.29E-06	757450	4347775
0227	2.94E-06	9.47E-08	0.00E+00	2.08E-08	0.00E+00	0.00E+00	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.13E-06	757554	4347775
0228	3.08E-06	9.25E-08	0.00E+00	2.18E-08	0.00E+00	0.00E+00	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.26E-06	757657	4347775
0229	2.57E-06	7.79E-08	0.00E+00	1.82E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.72E-06	757761	4347775
0230	2.05E-06	6.36E-08	0.00E+00	1.45E-08	0.00E+00	0.00E+00	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-06	757864	4347775

0231	1.55E-06	5.05E-08	0.00E+00	1.10E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.65E-06	757967	4347775
0232	6.67E-08	2.74E-08	0.00E+00	4.39E-10	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-08	1.19E-07	755900	4347867
0233	7.54E-08	3.26E-08	0.00E+00	4.94E-10	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.38E-07	756003	4347867
0234	7.54E-08	3.63E-08	0.00E+00	4.88E-10	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.45E-07	756106	4347867
0235	5.43E-08	2.24E-08	0.00E+00	3.57E-10	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-08	9.75E-08	756210	4347867
0236	4.00E-08	1.96E-08	0.00E+00	2.59E-10	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-08	7.77E-08	756313	4347867
0237	6.27E-09	8.17E-09	0.00E+00	3.40E-11	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.20E-08	756416	4347867
0238	7.18E-08	1.53E-08	0.00E+00	4.93E-10	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	1.01E-07	756520	4347867
0239	2.73E-09	1.80E-10	0.00E+00	1.93E-11	0.00E+00	0.00E+00	1.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-10	3.09E-09	756623	4347867
0240	4.26E-08	2.11E-08	0.00E+00	2.77E-10	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-08	8.33E-08	756727	4347867
0241	7.91E-08	3.80E-08	0.00E+00	5.14E-10	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.52E-07	756830	4347867
0242	9.12E-08	3.74E-08	0.00E+00	6.00E-10	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.63E-07	756933	4347867
0243	8.52E-08	4.75E-08	0.00E+00	5.44E-10	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.77E-07	757037	4347867
0244	1.57E-07	3.70E-08	0.00E+00	1.07E-09	0.00E+00	0.00E+00	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	2.28E-07	757140	4347867
0245	4.30E-07	3.75E-08	0.00E+00	3.02E-09	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	5.04E-07	757244	4347867
0246	1.24E-06	5.00E-08	0.00E+00	8.75E-09	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	1.34E-06	757347	4347867
0247	2.27E-06	7.09E-08	0.00E+00	1.61E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-06	757450	4347867
0248	2.62E-06	7.59E-08	0.00E+00	1.86E-08	0.00E+00	0.00E+00	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.77E-06	757554	4347867
0249	2.50E-06	7.14E-08	0.00E+00	1.77E-08	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.65E-06	757657	4347867
0250	2.13E-06	6.16E-08	0.00E+00	1.51E-08	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.26E-06	757761	4347867
0251	1.70E-06	5.10E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.81E-06	757864	4347867
0252	1.35E-06	4.23E-08	0.00E+00	9.55E-09	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.43E-06	757967	4347867
0253	5.25E-08	2.22E-08	0.00E+00	3.45E-10	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-08	9.52E-08	755900	4347960
0254	5.46E-08	2.35E-08	0.00E+00	3.57E-10	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-08	9.98E-08	756003	4347960
0255	5.67E-08	2.11E-08	0.00E+00	3.76E-10	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-08	9.74E-08	756106	4347960
0256	5.20E-08	2.14E-08	0.00E+00	3.41E-10	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-08	9.32E-08	756210	4347960
0257	3.65E-08	1.74E-08	0.00E+00	2.37E-10	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	7.00E-08	756313	4347960
0258	7.46E-09	1.90E-09	0.00E+00	5.02E-11	0.00E+00	0.00E+00	1.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	1.11E-08	756416	4347960
0259	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	756520	4347960
0260	2.04E-08	2.06E-09	0.00E+00	1.43E-10	0.00E+00	0.00E+00	1.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	2.44E-08	756623	4347960
0261	9.30E-08	2.21E-08	0.00E+00	6.36E-10	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-08	1.36E-07	756727	4347960
0262	1.22E-07	3.17E-08	0.00E+00	8.31E-10	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.84E-07	756830	4347960
0263	2.08E-07	2.77E-08	0.00E+00	1.44E-09	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-08	2.61E-07	756933	4347960
0264	2.39E-07	2.79E-08	0.00E+00	1.67E-09	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	2.93E-07	757037	4347960
0265	2.91E-07	2.54E-08	0.00E+00	2.04E-09	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-08	3.40E-07	757140	4347960
0266	5.38E-07	2.83E-08	0.00E+00	3.80E-09	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	5.94E-07	757244	4347960
0267	1.32E-06	4.37E-08	0.00E+00	9.38E-09	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	1.41E-06	757347	4347960
0268	2.31E-06	6.54E-08	0.00E+00	1.64E-08	0.00E+00	0.00E+00	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.44E-06	757450	4347960
0269	2.56E-06	6.96E-08	0.00E+00	1.82E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.70E-06	757554	4347960
0270	2.32E-06	6.32E-08	0.00E+00	1.64E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.44E-06	757657	4347960
0271	1.93E-06	5.38E-08	0.00E+00	1.37E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.04E-06	757761	4347960
0272	1.55E-06	4.50E-08	0.00E+00	1.10E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.64E-06	757864	4347960
0273	1.23E-06	3.74E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.30E-06	757967	4347960
0274	6.83E-08	2.95E-08	0.00E+00	4.47E-10	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	1.25E-07	755900	4348052
0275	7.25E-08	3.52E-08	0.00E+00	4.70E-10	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.40E-07	756003	4348052
0276	7.90E-08	3.74E-08	0.00E+00	5.14E-10	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.51E-07	756106	4348052
0277	7.72E-08	4.95E-08	0.00E+00	4.86E-10	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-08	1.72E-07	756210	4348052
0278	4.93E-08	4.84E-08	0.00E+00	2.90E-10	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.42E-07	756313	4348052
0279	1.60E-08	3.38E-08	0.00E+00	7.17E-11	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	8.09E-08	756416	4348052
0280	9.52E-09	4.38E-09	0.00E+00	6.25E-11	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.80E-08	756520	4348052
0281	1.03E-07	1.88E-08	0.00E+00	7.12E-10	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-08	1.39E-07	756623	4348052
0282	3.24E-07	2.50E-08	0.00E+00	2.28E-09	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-08	3.73E-07	756727	4348052
0283	3.30E-07	3.47E-08	0.00E+00	2.31E-09	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	3.98E-07	756830	4348052
0284	3.22E-07	2.71E-08	0.00E+00	2.26E-09	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-08	3.75E-07	756933	4348052
0285	4.01E-07	2.77E-08	0.00E+00	2.82E-09	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	4.55E-07	757037	4348052
0286	5.18E-07	2.68E-08	0.00E+00	3.66E-09	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	5.71E-07	757140	4348052
0287	8.63E-07	3.21E-08	0.00E+00	6.11E-09	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	9.27E-07	757244	4348052
0288	1.54E-06	4.54E-08	0.00E+00	1.09E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.63E-06	757347	4348052
0289	2.24E-06	6.05E-08	0.00E+00	1.59E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.36E-06	757450	4348052

0290	2.26E-06	6.04E-08	0.00E+00	1.60E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.38E-06	757554	4348052
0291	2.01E-06	5.41E-08	0.00E+00	1.43E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.12E-06	757657	4348052
0292	1.71E-06	4.68E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	1.80E-06	757761	4348052
0293	1.40E-06	3.96E-08	0.00E+00	9.91E-09	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.48E-06	757864	4348052
0294	1.09E-06	3.23E-08	0.00E+00	7.70E-09	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.15E-06	757967	4348052
0295	8.97E-08	3.97E-08	0.00E+00	5.87E-10	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.66E-07	755900	4348145
0296	9.43E-08	4.52E-08	0.00E+00	6.13E-10	0.00E+00	0.00E+00	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-08	1.81E-07	756003	4348145
0297	1.09E-07	5.04E-08	0.00E+00	7.08E-10	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-08	2.06E-07	756106	4348145
0298	1.14E-07	5.13E-08	0.00E+00	7.46E-10	0.00E+00	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	2.13E-07	756210	4348145
0299	9.01E-08	5.88E-08	0.00E+00	5.66E-10	0.00E+00	0.00E+00	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.03E-07	756313	4348145
0300	4.96E-08	7.48E-08	0.00E+00	2.60E-10	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	1.93E-07	756416	4348145
0301	1.65E-07	5.02E-08	0.00E+00	1.12E-09	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-08	2.62E-07	756520	4348145
0302	9.58E-07	3.61E-08	0.00E+00	6.78E-09	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.03E-06	756623	4348145
0303	1.52E-06	9.61E-08	0.00E+00	1.07E-08	0.00E+00	0.00E+00	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	1.71E-06	756727	4348145
0304	1.42E-06	8.59E-08	0.00E+00	1.00E-08	0.00E+00	0.00E+00	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	1.59E-06	756830	4348145
0305	1.05E-06	4.76E-08	0.00E+00	7.41E-09	0.00E+00	0.00E+00	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-08	1.14E-06	756933	4348145
0306	1.01E-06	4.31E-08	0.00E+00	7.11E-09	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.09E-06	757037	4348145
0307	1.09E-06	4.39E-08	0.00E+00	7.69E-09	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	1.17E-06	757140	4348145
0308	1.25E-06	4.48E-08	0.00E+00	8.83E-09	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-08	1.34E-06	757244	4348145
0309	1.65E-06	5.13E-08	0.00E+00	1.17E-08	0.00E+00	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-06	757347	4348145
0310	1.97E-06	5.72E-08	0.00E+00	1.39E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.08E-06	757450	4348145
0311	1.88E-06	5.40E-08	0.00E+00	1.33E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.99E-06	757554	4348145
0312	1.65E-06	4.73E-08	0.00E+00	1.17E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-08	1.74E-06	757657	4348145
0313	1.41E-06	4.08E-08	0.00E+00	9.99E-09	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.49E-06	757761	4348145
0314	1.15E-06	3.43E-08	0.00E+00	8.16E-09	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-08	1.22E-06	757864	4348145
0315	9.74E-07	2.96E-08	0.00E+00	6.90E-09	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.03E-06	757967	4348145
0316	9.30E-08	3.91E-08	0.00E+00	6.11E-10	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.68E-07	755900	4348237
0317	1.24E-07	4.29E-08	0.00E+00	8.30E-10	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	2.07E-07	756003	4348237
0318	1.83E-07	5.96E-08	0.00E+00	1.22E-09	0.00E+00	0.00E+00	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.98E-07	756106	4348237
0319	1.76E-07	7.33E-08	0.00E+00	1.16E-09	0.00E+00	0.00E+00	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.17E-07	756210	4348237
0320	1.25E-07	6.80E-08	0.00E+00	8.03E-10	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.56E-07	756313	4348237
0321	7.27E-08	4.82E-08	0.00E+00	4.57E-10	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.65E-07	756416	4348237
0322	2.90E-07	7.48E-08	0.00E+00	1.97E-09	0.00E+00	0.00E+00	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	4.34E-07	756520	4348237
0323	6.10E-07	3.18E-08	0.00E+00	4.31E-09	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-08	6.73E-07	756623	4348237
0324	1.98E-06	9.74E-08	0.00E+00	1.40E-08	0.00E+00	0.00E+00	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	2.17E-06	756727	4348237
0325	3.79E-06	1.50E-07	0.00E+00	2.68E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	4.08E-06	756830	4348237
0326	3.27E-06	1.48E-07	0.00E+00	2.31E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	3.56E-06	756933	4348237
0327	2.69E-06	9.88E-08	0.00E+00	1.90E-08	0.00E+00	0.00E+00	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	2.89E-06	757037	4348237
0328	2.35E-06	7.41E-08	0.00E+00	1.67E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.50E-06	757140	4348237
0329	2.22E-06	6.63E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.35E-06	757244	4348237
0330	2.20E-06	6.45E-08	0.00E+00	1.56E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.33E-06	757347	4348237
0331	2.08E-06	6.19E-08	0.00E+00	1.47E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.20E-06	757450	4348237
0332	1.71E-06	5.27E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.82E-06	757554	4348237
0333	1.47E-06	4.59E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.57E-06	757657	4348237
0334	1.28E-06	4.01E-08	0.00E+00	9.05E-09	0.00E+00	0.00E+00	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.36E-06	757761	4348237
0335	1.05E-06	3.40E-08	0.00E+00	7.46E-09	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.12E-06	757864	4348237
0336	8.44E-07	2.83E-08	0.00E+00	5.98E-09	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.01E-07	757967	4348237
0337	1.51E-07	4.30E-08	0.00E+00	1.02E-09	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	2.34E-07	755900	4348330
0338	2.78E-07	5.68E-08	0.00E+00	1.91E-09	0.00E+00	0.00E+00	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	3.88E-07	756003	4348330
0339	2.77E-07	7.18E-08	0.00E+00	1.88E-09	0.00E+00	0.00E+00	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	4.16E-07	756106	4348330
0340	2.37E-07	7.47E-08	0.00E+00	1.59E-09	0.00E+00	0.00E+00	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.81E-07	756210	4348330
0341	1.71E-07	7.12E-08	0.00E+00	1.13E-09	0.00E+00	0.00E+00	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.08E-07	756313	4348330
0342	1.77E-07	6.44E-08	0.00E+00	1.18E-09	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	3.02E-07	756416	4348330
0343	4.00E-07	1.01E-07	0.00E+00	2.71E-09	0.00E+00	0.00E+00	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	5.94E-07	756520	4348330
0344	5.50E-07	4.62E-08	0.00E+00	3.86E-09	0.00E+00	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	6.40E-07	756623	4348330
0345	1.77E-06	7.30E-08	0.00E+00	1.25E-08	0.00E+00	0.00E+00	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	1.91E-06	756727	4348330
0346	3.59E-06	1.33E-07	0.00E+00	2.54E-08	0.00E+00	0.00E+00	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	3.85E-06	756830	4348330
0347	5.02E-06	1.75E-07	0.00E+00	3.55E-08	0.00E+00	0.00E+00	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.37E-06	756933	4348330
0348	5.17E-06	1.83E-07	0.00E+00	3.66E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	5.54E-06	757037	4348330

0349	4.73E-06	1.54E-07	0.00E+00	3.35E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.04E-06	757140	4348330
0350	3.75E-06	1.12E-07	0.00E+00	2.66E-08	0.00E+00	0.00E+00	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.97E-06	757244	4348330
0351	2.79E-06	8.24E-08	0.00E+00	1.98E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.95E-06	757347	4348330
0352	2.14E-06	6.33E-08	0.00E+00	1.52E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.27E-06	757450	4348330
0353	1.72E-06	5.20E-08	0.00E+00	1.22E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.82E-06	757554	4348330
0354	1.46E-06	4.53E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	1.55E-06	757657	4348330
0355	1.27E-06	4.06E-08	0.00E+00	9.03E-09	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.36E-06	757761	4348330
0356	1.04E-06	3.49E-08	0.00E+00	7.40E-09	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.11E-06	757864	4348330
0357	8.38E-07	2.95E-08	0.00E+00	5.94E-09	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	8.97E-07	757967	4348330
0358	2.96E-07	5.25E-08	0.00E+00	2.04E-09	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	3.97E-07	755900	4348423
0359	3.59E-07	6.33E-08	0.00E+00	2.48E-09	0.00E+00	0.00E+00	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	4.81E-07	756003	4348423
0360	3.02E-07	6.64E-08	0.00E+00	2.07E-09	0.00E+00	0.00E+00	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	4.31E-07	756106	4348423
0361	2.58E-07	6.99E-08	0.00E+00	1.75E-09	0.00E+00	0.00E+00	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.93E-07	756210	4348423
0362	2.63E-07	6.49E-08	0.00E+00	1.79E-09	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	3.88E-07	756313	4348423
0363	6.23E-07	9.21E-08	0.00E+00	4.32E-09	0.00E+00	0.00E+00	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	8.02E-07	756416	4348423
0364	6.93E-07	1.22E-07	0.00E+00	4.78E-09	0.00E+00	0.00E+00	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	9.28E-07	756520	4348423
0365	7.66E-07	6.75E-08	0.00E+00	5.37E-09	0.00E+00	0.00E+00	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	8.97E-07	756623	4348423
0366	1.36E-06	5.99E-08	0.00E+00	9.60E-09	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	1.48E-06	756727	4348423
0367	3.33E-06	1.13E-07	0.00E+00	2.36E-08	0.00E+00	0.00E+00	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.55E-06	756830	4348423
0368	5.05E-06	1.56E-07	0.00E+00	3.58E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.36E-06	756933	4348423
0369	6.22E-06	1.92E-07	0.00E+00	4.41E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.60E-06	757037	4348423
0370	5.42E-06	1.83E-07	0.00E+00	3.84E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	5.79E-06	757140	4348423
0371	4.40E-06	1.51E-07	0.00E+00	3.12E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	4.70E-06	757244	4348423
0372	3.48E-06	1.20E-07	0.00E+00	2.47E-08	0.00E+00	0.00E+00	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	3.72E-06	757347	4348423
0373	2.68E-06	8.52E-08	0.00E+00	1.90E-08	0.00E+00	0.00E+00	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.85E-06	757450	4348423
0374	2.07E-06	6.31E-08	0.00E+00	1.47E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.20E-06	757554	4348423
0375	1.56E-06	4.79E-08	0.00E+00	1.10E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.65E-06	757657	4348423
0376	1.24E-06	3.93E-08	0.00E+00	8.79E-09	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.32E-06	757761	4348423
0377	9.76E-07	3.31E-08	0.00E+00	6.91E-09	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.04E-06	757864	4348423
0378	8.38E-07	2.94E-08	0.00E+00	5.94E-09	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	8.97E-07	757967	4348423
0379	3.61E-07	5.59E-08	0.00E+00	2.50E-09	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	4.69E-07	755900	4348515
0380	3.98E-07	6.00E-08	0.00E+00	2.76E-09	0.00E+00	0.00E+00	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	5.14E-07	756003	4348515
0381	3.73E-07	6.09E-08	0.00E+00	2.58E-09	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	4.91E-07	756106	4348515
0382	3.69E-07	6.95E-08	0.00E+00	2.54E-09	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	5.03E-07	756210	4348515
0383	5.59E-07	5.96E-08	0.00E+00	3.91E-09	0.00E+00	0.00E+00	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	6.75E-07	756313	4348515
0384	1.62E-06	1.13E-07	0.00E+00	1.14E-08	0.00E+00	0.00E+00	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	1.84E-06	756416	4348515
0385	1.66E-06	1.30E-07	0.00E+00	1.17E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	1.92E-06	756520	4348515
0386	1.72E-06	9.37E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	1.90E-06	756623	4348515
0387	2.00E-06	7.52E-08	0.00E+00	1.42E-08	0.00E+00	0.00E+00	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.15E-06	756727	4348515
0388	2.55E-06	8.66E-08	0.00E+00	1.80E-08	0.00E+00	0.00E+00	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.72E-06	756830	4348515
0389	4.04E-06	1.27E-07	0.00E+00	2.86E-08	0.00E+00	0.00E+00	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.29E-06	756933	4348515
0390	4.96E-06	1.49E-07	0.00E+00	3.52E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.26E-06	757037	4348515
0391	5.16E-06	1.61E-07	0.00E+00	3.66E-08	0.00E+00	0.00E+00	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.48E-06	757140	4348515
0392	4.40E-06	1.70E-07	0.00E+00	3.11E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	4.73E-06	757244	4348515
0393	3.73E-06	1.48E-07	0.00E+00	2.64E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	4.02E-06	757347	4348515
0394	3.06E-06	1.15E-07	0.00E+00	2.16E-08	0.00E+00	0.00E+00	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.28E-06	757450	4348515
0395	2.37E-06	8.38E-08	0.00E+00	1.68E-08	0.00E+00	0.00E+00	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.53E-06	757554	4348515
0396	1.96E-06	6.40E-08	0.00E+00	1.39E-08	0.00E+00	0.00E+00	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.09E-06	757657	4348515
0397	1.51E-06	4.88E-08	0.00E+00	1.07E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.60E-06	757761	4348515
0398	1.13E-06	3.76E-08	0.00E+00	8.03E-09	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.21E-06	757864	4348515
0399	8.96E-07	3.07E-08	0.00E+00	6.34E-09	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	9.57E-07	757967	4348515
0400	5.94E-07	6.01E-08	0.00E+00	4.16E-09	0.00E+00	0.00E+00	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	7.11E-07	755900	4348608
0401	5.88E-07	5.74E-08	0.00E+00	4.12E-09	0.00E+00	0.00E+00	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	7.00E-07	756003	4348608
0402	5.98E-07	6.56E-08	0.00E+00	4.18E-09	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	7.25E-07	756106	4348608
0403	6.64E-07	6.29E-08	0.00E+00	4.65E-09	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	7.86E-07	756210	4348608
0404	9.13E-07	6.77E-08	0.00E+00	6.42E-09	0.00E+00	0.00E+00	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	1.05E-06	756313	4348608
0405	2.18E-06	1.23E-07	0.00E+00	1.54E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	2.43E-06	756416	4348608
0406	2.91E-06	1.52E-07	0.00E+00	2.05E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	3.21E-06	756520	4348608
0407	2.48E-06	1.10E-07	0.00E+00	1.75E-08	0.00E+00	0.00E+00	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	2.70E-06	756623	4348608

0408	2.54E-06	8.60E-08	0.00E+00	1.80E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.71E-06	756727	4348608
0409	2.86E-06	8.71E-08	0.00E+00	2.03E-08	0.00E+00	0.00E+00	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	3.03E-06	756830	4348608
0410	3.07E-06	9.90E-08	0.00E+00	2.18E-08	0.00E+00	0.00E+00	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.27E-06	756933	4348608
0411	3.64E-06	1.14E-07	0.00E+00	2.58E-08	0.00E+00	0.00E+00	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.87E-06	757037	4348608
0412	4.05E-06	1.26E-07	0.00E+00	2.87E-08	0.00E+00	0.00E+00	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.30E-06	757140	4348608
0413	4.05E-06	1.46E-07	0.00E+00	2.87E-08	0.00E+00	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.34E-06	757244	4348608
0414	3.52E-06	1.42E-07	0.00E+00	2.49E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	3.80E-06	757347	4348608
0415	3.08E-06	1.30E-07	0.00E+00	2.18E-08	0.00E+00	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	3.33E-06	757450	4348608
0416	2.57E-06	1.06E-07	0.00E+00	1.82E-08	0.00E+00	0.00E+00	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.78E-06	757554	4348608
0417	2.22E-06	8.47E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.38E-06	757657	4348608
0418	1.74E-06	6.36E-08	0.00E+00	1.23E-08	0.00E+00	0.00E+00	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	1.86E-06	757761	4348608
0419	1.40E-06	4.87E-08	0.00E+00	9.91E-09	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	1.50E-06	757864	4348608
0420	1.08E-06	3.74E-08	0.00E+00	7.67E-09	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-08	1.16E-06	757967	4348608
0421	7.48E-07	5.88E-08	0.00E+00	5.26E-09	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	8.63E-07	755900	4348700
0422	8.09E-07	6.73E-08	0.00E+00	5.68E-09	0.00E+00	0.00E+00	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	9.41E-07	756003	4348700
0423	9.50E-07	7.24E-08	0.00E+00	6.68E-09	0.00E+00	0.00E+00	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	1.09E-06	756106	4348700
0424	1.10E-06	6.74E-08	0.00E+00	7.77E-09	0.00E+00	0.00E+00	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	1.24E-06	756210	4348700
0425	1.87E-06	9.22E-08	0.00E+00	1.32E-08	0.00E+00	0.00E+00	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	2.05E-06	756313	4348700
0426	2.71E-06	1.32E-07	0.00E+00	1.92E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	2.97E-06	756416	4348700
0427	3.17E-06	1.50E-07	0.00E+00	2.24E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	3.47E-06	756520	4348700
0428	2.81E-06	1.16E-07	0.00E+00	1.98E-08	0.00E+00	0.00E+00	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.04E-06	756623	4348700
0429	2.44E-06	8.42E-08	0.00E+00	1.73E-08	0.00E+00	0.00E+00	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.61E-06	756727	4348700
0430	2.59E-06	7.97E-08	0.00E+00	1.83E-08	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.75E-06	756830	4348700
0431	2.87E-06	8.71E-08	0.00E+00	2.03E-08	0.00E+00	0.00E+00	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	3.04E-06	756933	4348700
0432	2.81E-06	1.04E-07	0.00E+00	1.99E-08	0.00E+00	0.00E+00	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.02E-06	757037	4348700
0433	3.09E-06	1.09E-07	0.00E+00	2.19E-08	0.00E+00	0.00E+00	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.31E-06	757140	4348700
0434	3.34E-06	1.17E-07	0.00E+00	2.37E-08	0.00E+00	0.00E+00	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.57E-06	757244	4348700
0435	3.30E-06	1.24E-07	0.00E+00	2.34E-08	0.00E+00	0.00E+00	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	3.55E-06	757347	4348700
0436	2.97E-06	1.23E-07	0.00E+00	2.10E-08	0.00E+00	0.00E+00	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	3.21E-06	757450	4348700
0437	2.61E-06	1.14E-07	0.00E+00	1.85E-08	0.00E+00	0.00E+00	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	2.84E-06	757554	4348700
0438	2.26E-06	9.93E-08	0.00E+00	1.60E-08	0.00E+00	0.00E+00	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	2.46E-06	757657	4348700
0439	1.89E-06	8.03E-08	0.00E+00	1.33E-08	0.00E+00	0.00E+00	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.04E-06	757761	4348700
0440	1.50E-06	6.15E-08	0.00E+00	1.06E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	1.63E-06	757864	4348700
0441	1.22E-06	4.75E-08	0.00E+00	8.63E-09	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.31E-06	757967	4348700

APPENDIX 5

CD ROM (ISCST3 and HARP Model Outputs)