Kaiser Commerce Center

MOBILE SOURCE HEALTH RISK ASSESSMENT

COUNTY OF SAN BERNARDINO

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MARCH 14, 2020

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Kaiser Commerce Center
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential mobile source health risk impacts to sensitive receptors (residents) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided on Table ES-1.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located at existing residential homes on the east side of Calabash Avenue approximately 2,273 feet southeast of the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.12 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.00004, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. All other residential locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the Project site at the adjacent industrial use approximately 36 feet to the east. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.34 in one million[1] which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.001, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. All other modeled worker locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at the Live Oak Elementary School located more than 1-mile (5,280 feet) northeast of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.03 in one million which is less than the significance threshold of 10 in one million. At this same location,

1 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

non-cancer risks attributable to the Project were calculated to be 0.00005, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC[2]. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.12	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.34	10	NO
9 Year Exposure	Maximum Exposed School Child Receptor	0.03	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	0.00004	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	0.001	1.0	NO
Annual Average	Maximum Exposed School Child Receptor	0.00005	1.0	NO

2 In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of heavy-duty diesel trucks accessing the site.

The South Coast Air Quality Management District (SCAQMD) reviewed the conceptual site plan for the proposed project and provided input to the City on the scope of the air quality analysis. SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit diesel particulate matter (DPM), preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD clearly states (Page D-3):

"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed Kaiser Commerce Center Project is located on the south of San Bernardino Avenue, between Commerce Drive and Calabash Avenue in the unincorporated County of San Bernardino as shown on Exhibit 1-A. The Project site is located roughly 0.65 miles north of Interstate 10 (I-10) and 1.90 miles east of the Interstate 15 (I-15). Nearby industrial uses in the Project study area surround Project site to the north, east, and south; the Kaiser Commerce Center Specific Plan area surrounds the Project to the west.

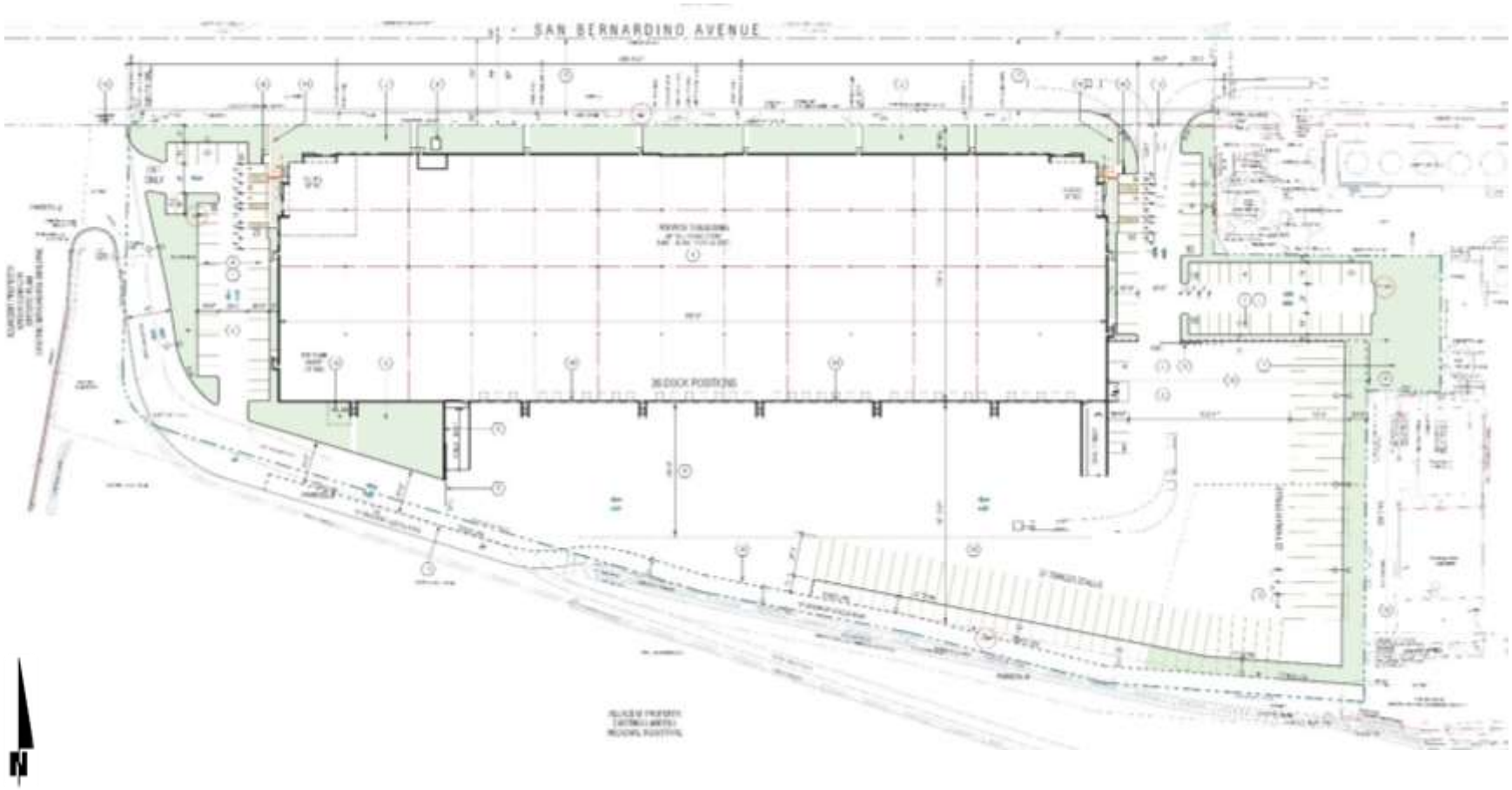
1.2 PROJECT DESCRIPTION

It is our understanding that the Project is to consist of 132,259 square feet (sf) of warehousing use (80% of the overall square footage) and 33,065 sf of high-cube cold storage warehouse (20% of the overall square footage), totaling 165,324 sf of industrial use within a single building, as shown on Exhibit 1-B. At the time this air quality analysis was prepared, the future tenants of the proposed Project were unknown. This HRA is intended to describe emission impacts associated with the expected typical 24-hour, seven days per week operational activities at the Project site.

Per the *Kaiser Commerce Center Trip Generation Assessment* prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 302 two-way vehicular trips per day (151 inbound and 151 outbound) which includes 70 two-way truck trips per day (35 inbound and 35 outbound) (3). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 70 two-way truck trips generated by the Project.

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

As noted above, this HRA is based on SCAQMD guidelines to produce conservative estimates of risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM.
- The emissions derived assume that every truck accessing the project site will idle for 15 minutes under the unmitigated scenario, this is an overestimation of actual idling times and thus conservative.[3] It should be noted that ARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2017 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (4). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the San Bernardino County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and

[3] Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2020 EMFAC 2017 run was conducted and a static 2020 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2020 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated after 2020. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks comprise of 46.4% diesel, Medium-Heavy-Duty Trucks comprise of 88.1% diesel, and Heavy-Heavy-Duty Trucks comprise of 96.1% diesel trucks and have been accounted for accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM10 emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (4):

$Emissions_{speedA}$ (g/s) = $EF_{RunExhaust}$ (g/VMT) * Distance (VMT/trip) * Number of Trips (trips/day) / seconds per day

Where:

$Emissions_{speedA}$ (g/s): Vehicle emissions at a given speed A;

$EF_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (4):

$Emissions_{idle}$ (g/s) = EF_{idle} (g/hr) * Number of Trips (trips/day) * Idling Time (min/trip) *

60 minutes per hour / seconds per day

Where:

$Emissions_{idle}$ (g/s): Vehicle emissions during idling;

EF_{idle}(g/s): EMFAC idle exhaust PM_{10} emission factor.

TABLE 2-1: 2020 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.13996 (g/idle-hr)
5	0.12244(g/s)
25	0.04592 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix "2.1". The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeled truck travel routes included in the HRA are based on the anticipated truck trip distribution (inbound and outbound) as identified in the Project's TIA (3), the anticipated truck trip distribution is illustrated on Exhibit 2-B. The modeling domain was extended along the Project's primary truck route and includes off-site sources in the study area for more than ¾ mile. This modeling domain is substantially more conservative than using only a ¼ mile modeling domain, which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a ¼ mile of the primary source of emissions (5) (in the case of the Project this is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Per the *Kaiser Commerce Center Trip Generation Assessment* prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 302 two-way vehicular trips per day (151 inbound and 151 outbound) which includes 70 two-way truck trips per day (35 inbound and 35 outbound) (3). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 70 two-way truck trips generated by the Project.

2.2.2 TRANSPORT REFRIGERATION UNITS (TRUS)

In order to account for the possibility of refrigerated uses all trucks accessing the refrigerated space are assumed to also have transport refrigeration units (TRUs). Therefore, for modeling purposes 11 total daily trucks (one-way) are assumed to be trucks with TRUs. In addition to on-site truck idling, the analysis assumes that each TRU accessing the site will also idle for a worst-case 30 minutes, even though the CARB's anti-idling rules mandate a 5-minute idling time. Based on CARBs *Draft Update to Inventory for Transportation Refrigeration Units* (7) 60% of TRUs are

EXHIBIT 2-A: MODELED EMISSION SOURCES

EXHIBIT 2-B: PROJECT TRUCK TRIP DISTRIBUTION

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2020 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling	35			0.1400	4.61	5.338E-05
On-Site Travel Dwy. 3 (65%)	46	10.52	0.1224		1.70	1.962E-05
On-Site Travel Dwy 4. (35%)	25	2.75	0.1224		0.44	5.122E-06
Off-Site Travel 25% Outbound Dwy. 4	9	9.84	0.0459		0.60	6.991E-06
Off-Site Travel 10% Outbound Dwy. 3	4	4.59	0.0459		0.28	3.265E-06
Off-Site Travel 65% Outbound Dwy. 3	23	32.01	0.0459		1.97	2.275E-05
Off-Site Travel 35% Inbound Dwy. 3	12	16.23	0.0459		1.00	1.154E-05
Off-Site Travel 30% Inbound Dwy. 3	11	14.50	0.0459		0.89	1.031E-05
Off-Site Travel 35% Inbound Dwy. 4	12	18.92	0.0459		1.16	1.345E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

anticipated to be 25 + horsepower and 40% of TRUs are anticipated to be 23 horsepower, as such 60% of TRUs are assumed to be 34 horsepower with a load factor of 0.53 (0.01 grams of PM10 per brake-horsepower-hour) and 40% of TRUs are assumed to be 23 horsepower with a load factor of 0.46 (0.12 grams of PM10 per brake-horsepower-hour). TRUs are also accounted for during on-site and off-site travel. TRU emission rates were calculated based on CARBs 2017 Off-Road Diesel Emission Factors for analysis year 2020.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

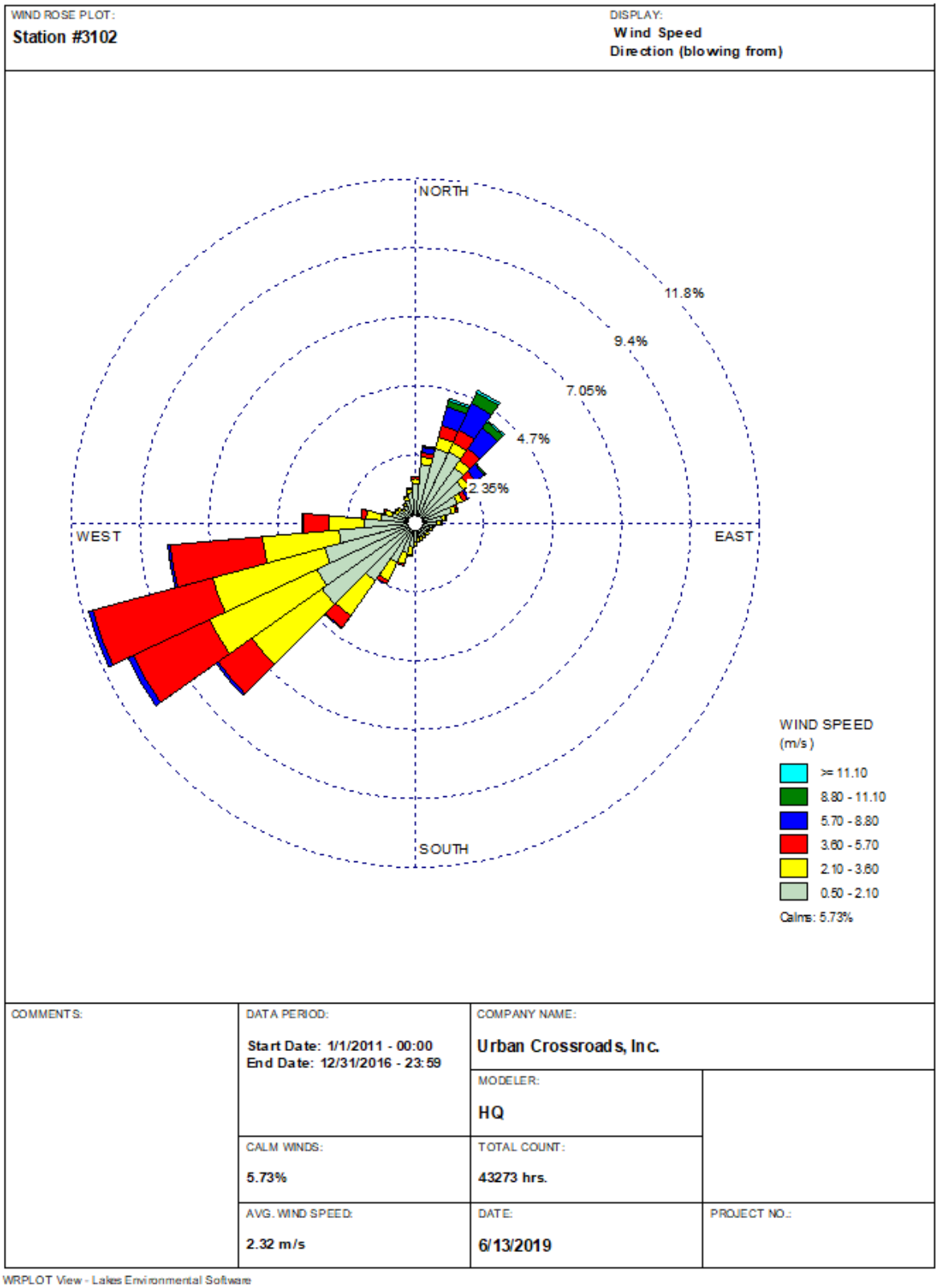
SCAQMD required model parameters are presented in Table 2-3 (8). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Fontana monitoring station (SRA 33) was used to represent local weather conditions and prevailing winds (9). A wind rose exhibit of the Fontana monitoring station is provided at Exhibit 2-C.

TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient	Urban
Population	2,035,210
Terrain	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for North American Datum 1983 (NAD 83) were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 2.1.

EXHIBIT 2-C: WIND ROSE (SRA 33)



Receptors

Receptors in the Project study area include existing residential homes and industrial uses, as illustrated on Exhibit 2-D. Modeled receptors were placed at residential and non-residential locations. Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of these uses. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residential and worker over a period of 30 or 25 years of exposure, respectively. As such, even though it is unlikely to occur in practical terms (because the amount of time spent indoors), this study assumes that a resident or worker would be exposed over a long-period of time for 12 or 24-hours per day at the structure where they reside or work.

Sensitive receptors near the Project site include existing residential homes and Citrus High School. Other sensitive land uses in the Project study area that are located at greater distances than those identified in this study will experience lower concentrations than those presented in this report due to particulate dispersion, additional attenuation from distance, and the shielding of intervening structures.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-4 through 2-6 summarize the Exposure Parameters for Residents, Offsite Worker, and School exposure scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

TABLE 2-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 2-5: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

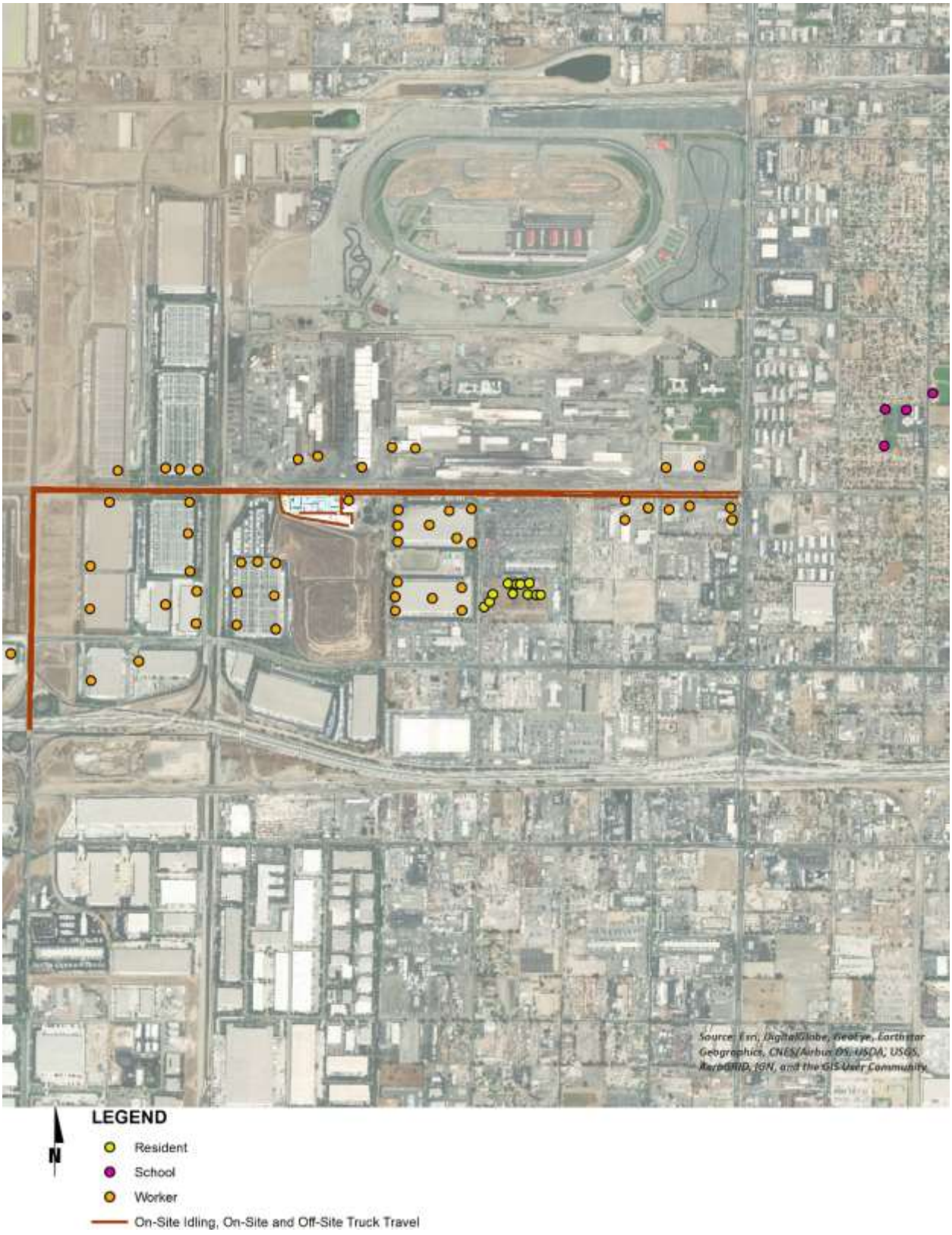
Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) [a]	Exposure Time (hours/day)
9 year duration	572	3	9	180	12

[a] To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

EXHIBIT 2-D: RECEPTOR LOCATIONS



2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million, the nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSEair = (Cair \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

DOSEair = chronic daily intake (mg/kg/day)

Cair = concentration of contaminant in air (ug/m3)

[BR/BW] = daily breathing rate normalized to body weight (L/kg BW-day)

A = inhalation absorption factor

EF = exposure frequency (days/365 days)

BW = body weight (kg)

1 x 10 -6 = conversion factors (ug to mg, L to m3)

RISKair = DOSEair x CPF x ED/AT

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 $\mu g/m^3$ (OEHHA Toxicity Criteria Database, http://www.oehha.org/risk/chemicaldb/index.asp).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

Where:

HI_{DPM}	=	Hazard Index; an expression of the potential for non-cancer health effects.
C_{DPM}	=	Annual average DPM concentration ($\mu g/m^3$).
REL_{DPM}	=	Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located at existing residential homes on the east side of Calabash Avenue approximately 2,273 feet southeast of the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.12 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.00004, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. All other residential locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the Project site at the adjacent industrial use approximately 36 feet to the east. At the MEIW, the maximum incremental cancer risk impact at this location is 0.34 in one million[4] which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.001, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. All other modeled worker locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at the Live Oak Elementary School located more than 1-mile (5,280 feet) northeast of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.03 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.00005, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC[5]. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

4 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

5 In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

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3 REFERENCES

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2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. http://www.aqmd.gov/rules/ciwg/final_white_paper.pdf.
3. **Urban Crossroads, Inc.** *Kaiser Commerce Center Traffic Impact Analysis.* 2019.
4. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
5. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
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7. **California Air Resources Board.** *Draft 2019 Update to Emissions Inventory for Transportation Refrigeration Units.* 2019.
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9. **South Coast Air Quality Management District.** *Air Quality Reporting.* [pdf] Diamond Bar : Sierra Wade Associates, 1999.

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4 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Kaiser Commerce Center Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.8.3
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 3/14/2020
** FILE: C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112 HRA TRUS.ADI
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**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
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   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2035210
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "12112 HRA TRUS.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
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** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
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   LOCATION L0008232     VOLUME   452875.206 3770738.754 321.15
   LOCATION L0008233     VOLUME   452883.796 3770738.789 321.17
   LOCATION L0008234     VOLUME   452892.386 3770738.824 321.20
   LOCATION L0008235     VOLUME   452900.976 3770738.859 321.27
   LOCATION L0008236     VOLUME   452909.566 3770738.895 321.34
   LOCATION L0008237     VOLUME   452918.156 3770738.930 321.40
   LOCATION L0008238     VOLUME   452926.745 3770738.965 321.41
   LOCATION L0008239     VOLUME   452935.335 3770739.000 321.41
   LOCATION L0008240     VOLUME   452943.925 3770739.035 321.42
   LOCATION L0008241     VOLUME   452952.515 3770739.070 321.42
   LOCATION L0008242     VOLUME   452961.105 3770739.105 321.42
   LOCATION L0008243     VOLUME   452969.695 3770739.141 321.42
   LOCATION L0008244     VOLUME   452978.285 3770739.176 321.42
   LOCATION L0008245     VOLUME   452986.875 3770739.211 321.42
   LOCATION L0008246     VOLUME   452995.465 3770739.246 321.42
   LOCATION L0008247     VOLUME   453004.055 3770739.281 321.42
   LOCATION L0008248     VOLUME   453012.645 3770739.316 321.42
   LOCATION L0008249     VOLUME   453021.235 3770739.351 321.42
   LOCATION L0008250     VOLUME   453029.825 3770739.386 321.42
** END OF LINE VOLUME SOURCE ID = SLINE1
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** LINE VOLUME SOURCE ID = SLINE2
** DESCRSRC ON-SITE TRAVEL DWY 3 (65%)
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 9
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** 452948.838, 3770704.939, 320.77, 3.49, 4.00
** 452855.639, 3770718.303, 320.65, 3.49, 4.00
** 452826.096, 3770727.095, 320.62, 3.49, 4.00
** 452789.872, 3770740.108, 321.19, 3.49, 4.00
** 452783.190, 3770748.197, 321.21, 3.49, 4.00
** 452779.673, 3770763.672, 321.64, 3.49, 4.00
** 452773.342, 3770797.434, 322.34, 3.49, 4.00
** 452771.584, 3770805.523, 322.47, 3.49, 4.00
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   LOCATION L0008252     VOLUME   453073.985 3770684.506 320.63
   LOCATION L0008253     VOLUME   453065.508 3770685.891 320.64
   LOCATION L0008254     VOLUME   453057.030 3770687.275 320.66
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   LOCATION L0008257     VOLUME   453031.597 3770691.427 320.70
   LOCATION L0008258     VOLUME   453023.119 3770692.811 320.72
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   LOCATION L0008261     VOLUME   452997.686 3770696.964 320.76
   LOCATION L0008262     VOLUME   452989.208 3770698.348 320.77
   LOCATION L0008263     VOLUME   452980.730 3770699.732 320.79
   LOCATION L0008264     VOLUME   452972.252 3770701.116 320.76
   LOCATION L0008265     VOLUME   452963.775 3770702.500 320.74
   LOCATION L0008266     VOLUME   452955.297 3770703.884 320.73
   LOCATION L0008267     VOLUME   452946.813 3770705.229 320.73
   LOCATION L0008268     VOLUME   452938.310 3770706.448 320.75
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   LOCATION L0008270     VOLUME   452921.304 3770708.887 320.80
   LOCATION L0008271     VOLUME   452912.801 3770710.106 320.83
   LOCATION L0008272     VOLUME   452904.298 3770711.326 320.85
   LOCATION L0008273     VOLUME   452895.795 3770712.545 320.88
   LOCATION L0008274     VOLUME   452887.292 3770713.764 320.88
   LOCATION L0008275     VOLUME   452878.789 3770714.983 320.82
   LOCATION L0008276     VOLUME   452870.286 3770716.203 320.76
   LOCATION L0008277     VOLUME   452861.783 3770717.422 320.69
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   LOCATION L0008279     VOLUME   452845.122 3770721.433 320.75
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   LOCATION L0008282     VOLUME   452820.525 3770729.097 320.91
   LOCATION L0008283     VOLUME   452812.441 3770732.001 320.97
   LOCATION L0008284     VOLUME   452804.357 3770734.905 321.03
   LOCATION L0008285     VOLUME   452796.272 3770737.809 321.09
   LOCATION L0008286     VOLUME   452788.732 3770741.488 321.16
   LOCATION L0008287     VOLUME   452783.262 3770748.110 321.30
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   LOCATION L0008290     VOLUME   452777.869 3770773.292 321.81
   LOCATION L0008291     VOLUME   452776.286 3770781.735 321.98
   LOCATION L0008292     VOLUME   452774.703 3770790.178 322.15
   LOCATION L0008293     VOLUME   452773.086 3770798.614 322.32
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** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.122E-06
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   LOCATION L0008298     VOLUME   453053.550 3770781.642 321.98
   LOCATION L0008299     VOLUME   453053.452 3770773.053 321.84
   LOCATION L0008300     VOLUME   453053.353 3770764.463 321.75
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   LOCATION L0008302     VOLUME   453053.104 3770747.285 321.57
   LOCATION L0008303     VOLUME   453052.967 3770738.696 321.44
   LOCATION L0008304     VOLUME   453059.774 3770737.091 321.44
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   LOCATION L0008308     VOLUME   453094.126 3770737.838 321.48
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   LOCATION L0008313     VOLUME   453101.731 3770702.398 320.98
   LOCATION L0008314     VOLUME   453101.793 3770693.808 320.80
** END OF LINE VOLUME SOURCE ID = SLINE3
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** LINE VOLUME SOURCE ID = SLINE4
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** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 6.991E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
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LOCATION	L0008328	VOLUME	453169.959	3770829.593	322.71
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LOCATION	L0008330	VOLUME	453187.139	3770829.615	322.71
LOCATION	L0008331	VOLUME	453195.729	3770829.627	322.73
LOCATION	L0008332	VOLUME	453204.319	3770829.638	322.75
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LOCATION	L0008334	VOLUME	453221.499	3770829.661	322.80
LOCATION	L0008335	VOLUME	453230.089	3770829.672	322.89
LOCATION	L0008336	VOLUME	453238.679	3770829.684	322.98
LOCATION	L0008337	VOLUME	453247.269	3770829.695	323.07
LOCATION	L0008338	VOLUME	453255.859	3770829.707	323.24
LOCATION	L0008339	VOLUME	453264.449	3770829.718	323.44
LOCATION	L0008340	VOLUME	453273.039	3770829.729	323.65
LOCATION	L0008341	VOLUME	453281.629	3770829.741	323.76
LOCATION	L0008342	VOLUME	453290.219	3770829.752	323.61
LOCATION	L0008343	VOLUME	453298.809	3770829.764	323.45
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LOCATION	L0008348	VOLUME	453341.759	3770829.782	324.00
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LOCATION	L0008351	VOLUME	453367.529	3770829.772	324.26
LOCATION	L0008352	VOLUME	453376.119	3770829.769	324.34
LOCATION	L0008353	VOLUME	453384.709	3770829.766	324.43
LOCATION	L0008354	VOLUME	453393.299	3770829.763	324.52
LOCATION	L0008355	VOLUME	453401.889	3770829.760	324.59
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LOCATION	L0008361	VOLUME	453453.429	3770829.741	324.65
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LOCATION	L0008369	VOLUME	453522.149	3770829.715	324.89
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LOCATION	L0008371	VOLUME	453539.329	3770829.709	324.93
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LOCATION	L0008373	VOLUME	453556.509	3770829.703	324.95
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LOCATION	L0008379	VOLUME	453608.049	3770829.684	325.02
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LOCATION	L0008383	VOLUME	453642.409	3770829.671	324.97
LOCATION	L0008384	VOLUME	453650.999	3770829.668	324.82
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LOCATION	L0008387	VOLUME	453676.769	3770829.658	324.60
LOCATION	L0008388	VOLUME	453685.359	3770829.655	324.71
LOCATION	L0008389	VOLUME	453693.949	3770829.652	324.81
LOCATION	L0008390	VOLUME	453702.539	3770829.649	324.92
LOCATION	L0008391	VOLUME	453711.129	3770829.646	325.03
LOCATION	L0008392	VOLUME	453719.719	3770829.642	325.13
LOCATION	L0008393	VOLUME	453728.309	3770829.639	325.24
LOCATION	L0008394	VOLUME	453736.899	3770829.636	325.27
LOCATION	L0008395	VOLUME	453745.489	3770829.633	325.29
LOCATION	L0008396	VOLUME	453754.079	3770829.630	325.31
LOCATION	L0008397	VOLUME	453762.669	3770829.627	325.32
LOCATION	L0008398	VOLUME	453771.259	3770829.623	325.32
LOCATION	L0008399	VOLUME	453779.849	3770829.620	325.32
LOCATION	L0008400	VOLUME	453788.439	3770829.617	324.78
LOCATION	L0008401	VOLUME	453797.029	3770829.614	324.58
LOCATION	L0008402	VOLUME	453805.619	3770829.611	324.36
LOCATION	L0008403	VOLUME	453814.209	3770829.608	324.14
LOCATION	L0008404	VOLUME	453822.799	3770829.604	324.00
LOCATION	L0008405	VOLUME	453831.389	3770829.601	324.00
LOCATION	L0008406	VOLUME	453839.979	3770829.598	324.00
LOCATION	L0008407	VOLUME	453848.569	3770829.595	324.00
LOCATION	L0008408	VOLUME	453857.159	3770829.592	324.20
LOCATION	L0008409	VOLUME	453865.749	3770829.589	324.42
LOCATION	L0008410	VOLUME	453874.339	3770829.585	324.64
LOCATION	L0008411	VOLUME	453882.929	3770829.582	324.77

LOCATION	L0008412	VOLUME	453891.519	3770829.579	324.77
LOCATION	L0008413	VOLUME	453900.109	3770829.576	324.77
LOCATION	L0008414	VOLUME	453908.699	3770829.573	324.77
LOCATION	L0008415	VOLUME	453917.289	3770829.570	324.77
LOCATION	L0008416	VOLUME	453925.879	3770829.566	324.77
LOCATION	L0008417	VOLUME	453934.469	3770829.563	324.77
LOCATION	L0008418	VOLUME	453943.059	3770829.560	324.77
LOCATION	L0008419	VOLUME	453951.649	3770829.519	324.77
LOCATION	L0008420	VOLUME	453960.239	3770829.473	324.77
LOCATION	L0008421	VOLUME	453968.829	3770829.428	324.77
LOCATION	L0008422	VOLUME	453977.419	3770829.382	324.77
LOCATION	L0008423	VOLUME	453986.009	3770829.337	324.77
LOCATION	L0008424	VOLUME	453994.599	3770829.291	324.76
LOCATION	L0008425	VOLUME	454003.188	3770829.245	324.76
LOCATION	L0008426	VOLUME	454011.778	3770829.200	324.76
LOCATION	L0008427	VOLUME	454020.368	3770829.154	324.76
LOCATION	L0008428	VOLUME	454028.958	3770829.109	324.76
LOCATION	L0008429	VOLUME	454037.548	3770829.063	324.82
LOCATION	L0008430	VOLUME	454046.138	3770829.017	324.89
LOCATION	L0008431	VOLUME	454054.728	3770828.972	324.96
LOCATION	L0008432	VOLUME	454063.318	3770828.926	325.00
LOCATION	L0008433	VOLUME	454071.907	3770828.880	325.00
LOCATION	L0008434	VOLUME	454080.497	3770828.835	325.00
LOCATION	L0008435	VOLUME	454089.087	3770828.789	325.00
LOCATION	L0008436	VOLUME	454097.677	3770828.744	325.00
LOCATION	L0008437	VOLUME	454106.267	3770828.698	325.00
LOCATION	L0008438	VOLUME	454114.857	3770828.652	325.00
LOCATION	L0008439	VOLUME	454123.447	3770828.607	325.00
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LOCATION	L0008441	VOLUME	454140.626	3770828.516	325.00
LOCATION	L0008442	VOLUME	454149.216	3770828.470	325.00
LOCATION	L0008443	VOLUME	454157.806	3770828.424	325.00
LOCATION	L0008444	VOLUME	454166.396	3770828.379	325.00
LOCATION	L0008445	VOLUME	454174.986	3770828.333	325.00
LOCATION	L0008446	VOLUME	454183.576	3770828.288	324.96
LOCATION	L0008447	VOLUME	454192.166	3770828.242	324.89
LOCATION	L0008448	VOLUME	454200.756	3770828.196	324.81
LOCATION	L0008449	VOLUME	454209.345	3770828.151	324.73
LOCATION	L0008450	VOLUME	454217.935	3770828.105	324.73
LOCATION	L0008451	VOLUME	454226.525	3770828.060	324.72
LOCATION	L0008452	VOLUME	454235.115	3770828.014	324.72
LOCATION	L0008453	VOLUME	454243.705	3770827.968	324.72
LOCATION	L0008454	VOLUME	454252.295	3770827.923	324.72
LOCATION	L0008455	VOLUME	454260.885	3770827.877	324.72
LOCATION	L0008456	VOLUME	454269.475	3770827.831	324.72
LOCATION	L0008457	VOLUME	454278.065	3770827.786	324.71
LOCATION	L0008458	VOLUME	454286.654	3770827.740	324.71
LOCATION	L0008459	VOLUME	454295.244	3770827.695	324.71

LOCATION	L0008460	VOLUME	454303.834	3770827.649	324.71
LOCATION	L0008461	VOLUME	454312.424	3770827.603	324.71
LOCATION	L0008462	VOLUME	454321.014	3770827.558	324.71
LOCATION	L0008463	VOLUME	454329.604	3770827.512	324.71
LOCATION	L0008464	VOLUME	454338.194	3770827.467	324.79
LOCATION	L0008465	VOLUME	454346.784	3770827.421	324.87
LOCATION	L0008466	VOLUME	454355.373	3770827.375	324.96
LOCATION	L0008467	VOLUME	454363.963	3770827.330	325.10
LOCATION	L0008468	VOLUME	454372.553	3770827.284	325.30
LOCATION	L0008469	VOLUME	454381.143	3770827.239	325.50
LOCATION	L0008470	VOLUME	454389.733	3770827.193	325.69
LOCATION	L0008471	VOLUME	454398.323	3770827.147	325.69
LOCATION	L0008472	VOLUME	454406.913	3770827.102	325.69
LOCATION	L0008473	VOLUME	454415.503	3770827.056	325.69
LOCATION	L0008474	VOLUME	454424.092	3770827.010	325.69
LOCATION	L0008475	VOLUME	454432.682	3770826.965	325.69
LOCATION	L0008476	VOLUME	454441.272	3770826.919	325.69
LOCATION	L0008477	VOLUME	454449.862	3770826.874	325.69
LOCATION	L0008478	VOLUME	454458.452	3770826.828	325.78
LOCATION	L0008479	VOLUME	454467.042	3770826.782	325.87
LOCATION	L0008480	VOLUME	454475.632	3770826.737	325.96
LOCATION	L0008481	VOLUME	454484.222	3770826.691	326.00
LOCATION	L0008482	VOLUME	454492.812	3770826.646	326.00
LOCATION	L0008483	VOLUME	454501.401	3770826.600	326.00
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LOCATION	L0008485	VOLUME	454518.581	3770826.509	326.00
LOCATION	L0008486	VOLUME	454527.171	3770826.463	326.00
LOCATION	L0008487	VOLUME	454535.761	3770826.418	326.00
LOCATION	L0008488	VOLUME	454544.351	3770826.372	326.11
LOCATION	L0008489	VOLUME	454552.941	3770826.326	326.30
LOCATION	L0008490	VOLUME	454561.531	3770826.281	326.49
LOCATION	L0008491	VOLUME	454570.120	3770826.235	326.66
LOCATION	L0008492	VOLUME	454578.710	3770826.189	326.66
LOCATION	L0008493	VOLUME	454587.300	3770826.144	326.66
LOCATION	L0008494	VOLUME	454595.890	3770826.098	326.66
LOCATION	L0008495	VOLUME	454604.480	3770826.053	326.66
LOCATION	L0008496	VOLUME	454613.070	3770826.007	326.66
LOCATION	L0008497	VOLUME	454621.660	3770825.961	326.65
LOCATION	L0008498	VOLUME	454630.250	3770825.916	326.66
LOCATION	L0008499	VOLUME	454638.839	3770825.870	326.76
LOCATION	L0008500	VOLUME	454647.429	3770825.825	326.86
LOCATION	L0008501	VOLUME	454656.019	3770825.779	326.96
LOCATION	L0008502	VOLUME	454664.609	3770825.733	327.00
LOCATION	L0008503	VOLUME	454673.199	3770825.688	327.00
LOCATION	L0008504	VOLUME	454681.789	3770825.642	327.00
LOCATION	L0008505	VOLUME	454690.379	3770825.597	327.00
LOCATION	L0008506	VOLUME	454698.969	3770825.551	327.00
LOCATION	L0008507	VOLUME	454707.558	3770825.505	327.00

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   LOCATION L0008508     VOLUME   454716.148 3770825.460 327.00
   LOCATION L0008509     VOLUME   454724.738 3770825.414 327.11
   LOCATION L0008510     VOLUME   454733.328 3770825.369 327.29
   LOCATION L0008511     VOLUME   454741.918 3770825.323 327.47
   LOCATION L0008512     VOLUME   454750.508 3770825.277 327.63
   LOCATION L0008513     VOLUME   454759.098 3770825.232 327.63
   LOCATION L0008514     VOLUME   454767.688 3770825.186 327.63
   LOCATION L0008515     VOLUME   454776.278 3770825.140 327.63
   LOCATION L0008516     VOLUME   454784.867 3770825.095 327.62
   LOCATION L0008517     VOLUME   454793.457 3770825.049 327.62
   LOCATION L0008518     VOLUME   454802.047 3770825.004 327.62
   LOCATION L0008519     VOLUME   454810.637 3770824.958 327.63
   LOCATION L0008520     VOLUME   454819.227 3770824.912 327.74
   LOCATION L0008521     VOLUME   454827.817 3770824.867 327.85
   LOCATION L0008522     VOLUME   454836.407 3770824.821 327.96
   LOCATION L0008523     VOLUME   454844.997 3770824.776 328.00
   LOCATION L0008524     VOLUME   454853.586 3770824.730 328.00
   LOCATION L0008525     VOLUME   454862.176 3770824.684 328.00
** END OF LINE VOLUME SOURCE ID = SLINE4
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC OFF-SITE TRAVEL 10% OUTBOUND DWY 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.265E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 452771.002, 3770805.495, 322.47, 3.49, 4.00
** 452771.696, 3770827.244, 322.72, 3.49, 4.00
** 453344.484, 3770829.796, 324.10, 3.49, 4.00
** 454862.228, 3770824.806, 328.00, 3.49, 4.00
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   LOCATION L0008526     VOLUME   452771.139 3770809.788 322.51
   LOCATION L0008527     VOLUME   452771.413 3770818.374 322.60
   LOCATION L0008528     VOLUME   452771.687 3770826.959 322.69
   LOCATION L0008529     VOLUME   452780.001 3770827.281 322.69
   LOCATION L0008530     VOLUME   452788.591 3770827.319 322.69
   LOCATION L0008531     VOLUME   452797.181 3770827.358 322.69
   LOCATION L0008532     VOLUME   452805.771 3770827.396 322.69
   LOCATION L0008533     VOLUME   452814.360 3770827.434 322.69
   LOCATION L0008534     VOLUME   452822.950 3770827.472 322.69
   LOCATION L0008535     VOLUME   452831.540 3770827.511 322.69
   LOCATION L0008536     VOLUME   452840.130 3770827.549 322.69
   LOCATION L0008537     VOLUME   452848.720 3770827.587 322.69
   LOCATION L0008538     VOLUME   452857.310 3770827.626 322.69
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LOCATION	L0008539	VOLUME	452865.900	3770827.664	322.69
LOCATION	L0008540	VOLUME	452874.490	3770827.702	322.70
LOCATION	L0008541	VOLUME	452883.080	3770827.740	322.70
LOCATION	L0008542	VOLUME	452891.670	3770827.779	322.70
LOCATION	L0008543	VOLUME	452900.260	3770827.817	322.70
LOCATION	L0008544	VOLUME	452908.849	3770827.855	322.70
LOCATION	L0008545	VOLUME	452917.439	3770827.893	322.70
LOCATION	L0008546	VOLUME	452926.029	3770827.932	322.70
LOCATION	L0008547	VOLUME	452934.619	3770827.970	322.70
LOCATION	L0008548	VOLUME	452943.209	3770828.008	322.70
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LOCATION	L0008550	VOLUME	452960.389	3770828.085	322.70
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LOCATION	L0008553	VOLUME	452986.159	3770828.200	322.70
LOCATION	L0008554	VOLUME	452994.749	3770828.238	322.70
LOCATION	L0008555	VOLUME	453003.339	3770828.276	322.70
LOCATION	L0008556	VOLUME	453011.928	3770828.314	322.70
LOCATION	L0008557	VOLUME	453020.518	3770828.353	322.70
LOCATION	L0008558	VOLUME	453029.108	3770828.391	322.70
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LOCATION	L0008560	VOLUME	453046.288	3770828.467	322.70
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LOCATION	L0008564	VOLUME	453080.648	3770828.621	322.70
LOCATION	L0008565	VOLUME	453089.238	3770828.659	322.71
LOCATION	L0008566	VOLUME	453097.828	3770828.697	322.71
LOCATION	L0008567	VOLUME	453106.418	3770828.735	322.71
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LOCATION	L0008570	VOLUME	453132.187	3770828.850	322.71
LOCATION	L0008571	VOLUME	453140.777	3770828.888	322.71
LOCATION	L0008572	VOLUME	453149.367	3770828.927	322.71
LOCATION	L0008573	VOLUME	453157.957	3770828.965	322.71
LOCATION	L0008574	VOLUME	453166.547	3770829.003	322.71
LOCATION	L0008575	VOLUME	453175.137	3770829.041	322.71
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LOCATION	L0008577	VOLUME	453192.317	3770829.118	322.72
LOCATION	L0008578	VOLUME	453200.907	3770829.156	322.74
LOCATION	L0008579	VOLUME	453209.497	3770829.195	322.76
LOCATION	L0008580	VOLUME	453218.086	3770829.233	322.78
LOCATION	L0008581	VOLUME	453226.676	3770829.271	322.86
LOCATION	L0008582	VOLUME	453235.266	3770829.309	322.94
LOCATION	L0008583	VOLUME	453243.856	3770829.348	323.03
LOCATION	L0008584	VOLUME	453252.446	3770829.386	323.16
LOCATION	L0008585	VOLUME	453261.036	3770829.424	323.36
LOCATION	L0008586	VOLUME	453269.626	3770829.462	323.56

LOCATION	L0008587	VOLUME	453278.216	3770829.501	323.76
LOCATION	L0008588	VOLUME	453286.806	3770829.539	323.66
LOCATION	L0008589	VOLUME	453295.396	3770829.577	323.51
LOCATION	L0008590	VOLUME	453303.986	3770829.616	323.36
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LOCATION	L0008593	VOLUME	453329.755	3770829.730	323.74
LOCATION	L0008594	VOLUME	453338.345	3770829.769	323.94
LOCATION	L0008595	VOLUME	453346.935	3770829.788	324.05
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LOCATION	L0008597	VOLUME	453364.115	3770829.731	324.22
LOCATION	L0008598	VOLUME	453372.705	3770829.703	324.31
LOCATION	L0008599	VOLUME	453381.295	3770829.675	324.39
LOCATION	L0008600	VOLUME	453389.885	3770829.647	324.48
LOCATION	L0008601	VOLUME	453398.475	3770829.618	324.56
LOCATION	L0008602	VOLUME	453407.065	3770829.590	324.59
LOCATION	L0008603	VOLUME	453415.655	3770829.562	324.61
LOCATION	L0008604	VOLUME	453424.245	3770829.534	324.63
LOCATION	L0008605	VOLUME	453432.835	3770829.505	324.64
LOCATION	L0008606	VOLUME	453441.425	3770829.477	324.64
LOCATION	L0008607	VOLUME	453450.015	3770829.449	324.64
LOCATION	L0008608	VOLUME	453458.605	3770829.421	324.64
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LOCATION	L0008617	VOLUME	453535.914	3770829.167	324.90
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LOCATION	L0008619	VOLUME	453553.094	3770829.110	324.93
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LOCATION	L0008621	VOLUME	453570.274	3770829.054	324.93
LOCATION	L0008622	VOLUME	453578.864	3770829.025	324.92
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LOCATION	L0008625	VOLUME	453604.634	3770828.941	324.98
LOCATION	L0008626	VOLUME	453613.224	3770828.912	324.99
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LOCATION	L0008629	VOLUME	453638.994	3770828.828	324.99
LOCATION	L0008630	VOLUME	453647.584	3770828.799	324.85
LOCATION	L0008631	VOLUME	453656.173	3770828.771	324.69
LOCATION	L0008632	VOLUME	453664.763	3770828.743	324.54
LOCATION	L0008633	VOLUME	453673.353	3770828.715	324.50
LOCATION	L0008634	VOLUME	453681.943	3770828.686	324.61

LOCATION	L0008635	VOLUME	453690.533	3770828.658	324.72
LOCATION	L0008636	VOLUME	453699.123	3770828.630	324.82
LOCATION	L0008637	VOLUME	453707.713	3770828.602	324.93
LOCATION	L0008638	VOLUME	453716.303	3770828.574	325.04
LOCATION	L0008639	VOLUME	453724.893	3770828.545	325.15
LOCATION	L0008640	VOLUME	453733.483	3770828.517	325.22
LOCATION	L0008641	VOLUME	453742.073	3770828.489	325.24
LOCATION	L0008642	VOLUME	453750.663	3770828.461	325.26
LOCATION	L0008643	VOLUME	453759.253	3770828.432	325.28
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LOCATION	L0008645	VOLUME	453776.433	3770828.376	325.28
LOCATION	L0008646	VOLUME	453785.023	3770828.348	325.28
LOCATION	L0008647	VOLUME	453793.613	3770828.319	324.63
LOCATION	L0008648	VOLUME	453802.203	3770828.291	324.42
LOCATION	L0008649	VOLUME	453810.793	3770828.263	324.21
LOCATION	L0008650	VOLUME	453819.383	3770828.235	324.00
LOCATION	L0008651	VOLUME	453827.973	3770828.206	324.00
LOCATION	L0008652	VOLUME	453836.563	3770828.178	324.00
LOCATION	L0008653	VOLUME	453845.152	3770828.150	324.00
LOCATION	L0008654	VOLUME	453853.742	3770828.122	324.10
LOCATION	L0008655	VOLUME	453862.332	3770828.093	324.31
LOCATION	L0008656	VOLUME	453870.922	3770828.065	324.52
LOCATION	L0008657	VOLUME	453879.512	3770828.037	324.72
LOCATION	L0008658	VOLUME	453888.102	3770828.009	324.72
LOCATION	L0008659	VOLUME	453896.692	3770827.980	324.72
LOCATION	L0008660	VOLUME	453905.282	3770827.952	324.72
LOCATION	L0008661	VOLUME	453913.872	3770827.924	324.72
LOCATION	L0008662	VOLUME	453922.462	3770827.896	324.72
LOCATION	L0008663	VOLUME	453931.052	3770827.867	324.72
LOCATION	L0008664	VOLUME	453939.642	3770827.839	324.72
LOCATION	L0008665	VOLUME	453948.232	3770827.811	324.72
LOCATION	L0008666	VOLUME	453956.822	3770827.783	324.71
LOCATION	L0008667	VOLUME	453965.412	3770827.755	324.71
LOCATION	L0008668	VOLUME	453974.002	3770827.726	324.71
LOCATION	L0008669	VOLUME	453982.592	3770827.698	324.71
LOCATION	L0008670	VOLUME	453991.182	3770827.670	324.71
LOCATION	L0008671	VOLUME	453999.772	3770827.642	324.71
LOCATION	L0008672	VOLUME	454008.362	3770827.613	324.71
LOCATION	L0008673	VOLUME	454016.952	3770827.585	324.71
LOCATION	L0008674	VOLUME	454025.541	3770827.557	324.71
LOCATION	L0008675	VOLUME	454034.131	3770827.529	324.75
LOCATION	L0008676	VOLUME	454042.721	3770827.500	324.83
LOCATION	L0008677	VOLUME	454051.311	3770827.472	324.92
LOCATION	L0008678	VOLUME	454059.901	3770827.444	325.00
LOCATION	L0008679	VOLUME	454068.491	3770827.416	325.00
LOCATION	L0008680	VOLUME	454077.081	3770827.387	325.00
LOCATION	L0008681	VOLUME	454085.671	3770827.359	325.00
LOCATION	L0008682	VOLUME	454094.261	3770827.331	325.00

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LOCATION L0008683     VOLUME   454102.851 3770827.303 325.00
LOCATION L0008684     VOLUME   454111.441 3770827.274 325.00
LOCATION L0008685     VOLUME   454120.031 3770827.246 325.00
LOCATION L0008686     VOLUME   454128.621 3770827.218 325.00
LOCATION L0008687     VOLUME   454137.211 3770827.190 325.00
LOCATION L0008688     VOLUME   454145.801 3770827.161 325.00
LOCATION L0008689     VOLUME   454154.391 3770827.133 325.00
LOCATION L0008690     VOLUME   454162.981 3770827.105 325.00
LOCATION L0008691     VOLUME   454171.571 3770827.077 325.00
LOCATION L0008692     VOLUME   454180.161 3770827.049 324.99
LOCATION L0008693     VOLUME   454188.751 3770827.020 324.90
LOCATION L0008694     VOLUME   454197.341 3770826.992 324.81
LOCATION L0008695     VOLUME   454205.931 3770826.964 324.72
LOCATION L0008696     VOLUME   454214.520 3770826.936 324.69
LOCATION L0008697     VOLUME   454223.110 3770826.907 324.69
LOCATION L0008698     VOLUME   454231.700 3770826.879 324.68
LOCATION L0008699     VOLUME   454240.290 3770826.851 324.68
LOCATION L0008700     VOLUME   454248.880 3770826.823 324.68
LOCATION L0008701     VOLUME   454257.470 3770826.794 324.68
LOCATION L0008702     VOLUME   454266.060 3770826.766 324.68
LOCATION L0008703     VOLUME   454274.650 3770826.738 324.68
LOCATION L0008704     VOLUME   454283.240 3770826.710 324.68
LOCATION L0008705     VOLUME   454291.830 3770826.681 324.68
LOCATION L0008706     VOLUME   454300.420 3770826.653 324.68
LOCATION L0008707     VOLUME   454309.010 3770826.625 324.68
LOCATION L0008708     VOLUME   454317.600 3770826.597 324.68
LOCATION L0008709     VOLUME   454326.190 3770826.568 324.67
LOCATION L0008710     VOLUME   454334.780 3770826.540 324.73
LOCATION L0008711     VOLUME   454343.370 3770826.512 324.82
LOCATION L0008712     VOLUME   454351.960 3770826.484 324.92
LOCATION L0008713     VOLUME   454360.550 3770826.455 325.02
LOCATION L0008714     VOLUME   454369.140 3770826.427 325.21
LOCATION L0008715     VOLUME   454377.730 3770826.399 325.41
LOCATION L0008716     VOLUME   454386.320 3770826.371 325.60
LOCATION L0008717     VOLUME   454394.909 3770826.342 325.67
LOCATION L0008718     VOLUME   454403.499 3770826.314 325.67
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LOCATION L0008720     VOLUME   454420.679 3770826.258 325.66
LOCATION L0008721     VOLUME   454429.269 3770826.230 325.66
LOCATION L0008722     VOLUME   454437.859 3770826.201 325.66
LOCATION L0008723     VOLUME   454446.449 3770826.173 325.66
LOCATION L0008724     VOLUME   454455.039 3770826.145 325.72
LOCATION L0008725     VOLUME   454463.629 3770826.117 325.82
LOCATION L0008726     VOLUME   454472.219 3770826.088 325.92
LOCATION L0008727     VOLUME   454480.809 3770826.060 326.00
LOCATION L0008728     VOLUME   454489.399 3770826.032 326.00
LOCATION L0008729     VOLUME   454497.989 3770826.004 326.00
LOCATION L0008730     VOLUME   454506.579 3770825.975 326.00
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   LOCATION L0008731     VOLUME   454515.169 3770825.947 326.00
   LOCATION L0008732     VOLUME   454523.759 3770825.919 326.00
   LOCATION L0008733     VOLUME   454532.349 3770825.891 326.00
   LOCATION L0008734     VOLUME   454540.939 3770825.862 326.03
   LOCATION L0008735     VOLUME   454549.529 3770825.834 326.22
   LOCATION L0008736     VOLUME   454558.119 3770825.806 326.40
   LOCATION L0008737     VOLUME   454566.709 3770825.778 326.59
   LOCATION L0008738     VOLUME   454575.299 3770825.749 326.65
   LOCATION L0008739     VOLUME   454583.888 3770825.721 326.65
   LOCATION L0008740     VOLUME   454592.478 3770825.693 326.64
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   LOCATION L0008744     VOLUME   454626.838 3770825.580 326.64
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   LOCATION L0008748     VOLUME   454661.198 3770825.467 327.00
   LOCATION L0008749     VOLUME   454669.788 3770825.439 327.00
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   LOCATION L0008755     VOLUME   454721.328 3770825.269 327.04
   LOCATION L0008756     VOLUME   454729.918 3770825.241 327.22
   LOCATION L0008757     VOLUME   454738.508 3770825.213 327.40
   LOCATION L0008758     VOLUME   454747.098 3770825.185 327.58
   LOCATION L0008759     VOLUME   454755.688 3770825.156 327.63
   LOCATION L0008760     VOLUME   454764.277 3770825.128 327.63
   LOCATION L0008761     VOLUME   454772.867 3770825.100 327.63
   LOCATION L0008762     VOLUME   454781.457 3770825.072 327.62
   LOCATION L0008763     VOLUME   454790.047 3770825.043 327.62
   LOCATION L0008764     VOLUME   454798.637 3770825.015 327.62
   LOCATION L0008765     VOLUME   454807.227 3770824.987 327.62
   LOCATION L0008766     VOLUME   454815.817 3770824.959 327.70
   LOCATION L0008767     VOLUME   454824.407 3770824.930 327.81
   LOCATION L0008768     VOLUME   454832.997 3770824.902 327.92
   LOCATION L0008769     VOLUME   454841.587 3770824.874 328.00
   LOCATION L0008770     VOLUME   454850.177 3770824.846 328.00
   LOCATION L0008771     VOLUME   454858.767 3770824.817 328.00
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
** DESCRSRC OFF-SITE TRAVEL  65% OUTBOUND DWY 3
** PREFIX
** LENGTH OF SIDE = 8.59
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** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002275
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 7
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** 452770.096, 3770844.881, 322.77, 3.49, 4.00
** 452408.481, 3770842.902, 320.93, 3.49, 4.00
** 452026.888, 3770839.554, 319.72, 3.49, 4.00
** 451656.007, 3770843.571, 317.58, 3.49, 4.00
** 451643.957, 3770843.571, 317.56, 3.49, 4.00
** 451635.347, 3769743.623, 304.56, 3.49, 4.00
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   LOCATION L0008773     VOLUME   452770.658 3770819.229 322.61
   LOCATION L0008774     VOLUME   452770.470 3770827.817 322.70
   LOCATION L0008775     VOLUME   452770.282 3770836.405 322.78
   LOCATION L0008776     VOLUME   452769.984 3770844.880 322.96
   LOCATION L0008777     VOLUME   452761.394 3770844.833 322.93
   LOCATION L0008778     VOLUME   452752.804 3770844.786 322.91
   LOCATION L0008779     VOLUME   452744.214 3770844.739 322.88
   LOCATION L0008780     VOLUME   452735.625 3770844.692 322.87
   LOCATION L0008781     VOLUME   452727.035 3770844.645 322.87
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   LOCATION L0008783     VOLUME   452709.855 3770844.551 322.87
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   LOCATION L0008785     VOLUME   452692.675 3770844.457 322.87
   LOCATION L0008786     VOLUME   452684.085 3770844.410 322.87
   LOCATION L0008787     VOLUME   452675.495 3770844.363 322.83
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   LOCATION L0008789     VOLUME   452658.316 3770844.269 322.71
   LOCATION L0008790     VOLUME   452649.726 3770844.222 322.64
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   LOCATION L0008793     VOLUME   452623.956 3770844.081 322.12
   LOCATION L0008794     VOLUME   452615.366 3770844.034 321.98
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   LOCATION L0008796     VOLUME   452598.187 3770843.940 321.81
   LOCATION L0008797     VOLUME   452589.597 3770843.893 321.72
   LOCATION L0008798     VOLUME   452581.007 3770843.846 321.63
   LOCATION L0008799     VOLUME   452572.417 3770843.799 321.54
   LOCATION L0008800     VOLUME   452563.827 3770843.752 321.45
   LOCATION L0008801     VOLUME   452555.237 3770843.705 321.33
   LOCATION L0008802     VOLUME   452546.647 3770843.658 321.18
   LOCATION L0008803     VOLUME   452538.058 3770843.611 321.02
   LOCATION L0008804     VOLUME   452529.468 3770843.564 320.87
   LOCATION L0008805     VOLUME   452520.878 3770843.517 320.78
   LOCATION L0008806     VOLUME   452512.288 3770843.470 320.69
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LOCATION	L0008808	VOLUME	452495.108	3770843.376	320.63
LOCATION	L0008809	VOLUME	452486.518	3770843.329	320.76
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LOCATION	L0008811	VOLUME	452469.339	3770843.235	321.02
LOCATION	L0008812	VOLUME	452460.749	3770843.188	320.98
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LOCATION	L0008814	VOLUME	452443.569	3770843.094	320.88
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LOCATION	L0008816	VOLUME	452426.389	3770843.000	320.96
LOCATION	L0008817	VOLUME	452417.799	3770842.953	321.02
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LOCATION	L0008827	VOLUME	452331.902	3770842.230	320.82
LOCATION	L0008828	VOLUME	452323.313	3770842.154	320.57
LOCATION	L0008829	VOLUME	452314.723	3770842.079	320.39
LOCATION	L0008830	VOLUME	452306.133	3770842.004	320.27
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LOCATION	L0008833	VOLUME	452280.364	3770841.778	319.98
LOCATION	L0008834	VOLUME	452271.775	3770841.702	319.92
LOCATION	L0008835	VOLUME	452263.185	3770841.627	319.87
LOCATION	L0008836	VOLUME	452254.595	3770841.552	319.83
LOCATION	L0008837	VOLUME	452246.006	3770841.476	319.82
LOCATION	L0008838	VOLUME	452237.416	3770841.401	319.80
LOCATION	L0008839	VOLUME	452228.826	3770841.326	319.79
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LOCATION	L0008843	VOLUME	452194.468	3770841.024	319.78
LOCATION	L0008844	VOLUME	452185.878	3770840.949	319.78
LOCATION	L0008845	VOLUME	452177.288	3770840.874	319.78
LOCATION	L0008846	VOLUME	452168.699	3770840.798	319.78
LOCATION	L0008847	VOLUME	452160.109	3770840.723	319.78
LOCATION	L0008848	VOLUME	452151.519	3770840.647	319.78
LOCATION	L0008849	VOLUME	452142.930	3770840.572	319.78
LOCATION	L0008850	VOLUME	452134.340	3770840.497	319.78
LOCATION	L0008851	VOLUME	452125.750	3770840.421	319.78
LOCATION	L0008852	VOLUME	452117.161	3770840.346	319.78
LOCATION	L0008853	VOLUME	452108.571	3770840.271	319.78
LOCATION	L0008854	VOLUME	452099.981	3770840.195	319.77

LOCATION	L0008855	VOLUME	452091.392	3770840.120	319.77
LOCATION	L0008856	VOLUME	452082.802	3770840.045	319.77
LOCATION	L0008857	VOLUME	452074.212	3770839.969	319.77
LOCATION	L0008858	VOLUME	452065.623	3770839.894	319.77
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LOCATION	L0008864	VOLUME	452014.085	3770839.693	319.77
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LOCATION	L0008873	VOLUME	451936.779	3770840.530	319.57
LOCATION	L0008874	VOLUME	451928.190	3770840.623	319.41
LOCATION	L0008875	VOLUME	451919.600	3770840.716	319.24
LOCATION	L0008876	VOLUME	451911.011	3770840.809	319.08
LOCATION	L0008877	VOLUME	451902.421	3770840.902	318.92
LOCATION	L0008878	VOLUME	451893.832	3770840.995	318.81
LOCATION	L0008879	VOLUME	451885.242	3770841.088	318.72
LOCATION	L0008880	VOLUME	451876.653	3770841.181	318.64
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LOCATION	L0008884	VOLUME	451842.295	3770841.553	318.29
LOCATION	L0008885	VOLUME	451833.705	3770841.646	318.21
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LOCATION	L0008887	VOLUME	451816.526	3770841.833	318.03
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LOCATION	L0008895	VOLUME	451747.811	3770842.577	317.73
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LOCATION	L0008900	VOLUME	451704.863	3770843.042	317.70
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LOCATION	L0008902	VOLUME	451687.684	3770843.228	317.67

LOCATION	L0008903	VOLUME	451679.095	3770843.321	317.67
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LOCATION	L0008905	VOLUME	451661.916	3770843.507	317.67
LOCATION	L0008906	VOLUME	451653.326	3770843.571	317.67
LOCATION	L0008907	VOLUME	451644.736	3770843.571	317.67
LOCATION	L0008908	VOLUME	451643.895	3770835.761	317.59
LOCATION	L0008909	VOLUME	451643.828	3770827.171	317.42
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LOCATION	L0008919	VOLUME	451643.156	3770741.273	316.28
LOCATION	L0008920	VOLUME	451643.089	3770732.684	316.10
LOCATION	L0008921	VOLUME	451643.021	3770724.094	315.93
LOCATION	L0008922	VOLUME	451642.954	3770715.504	315.76
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LOCATION	L0008925	VOLUME	451642.752	3770689.735	315.35
LOCATION	L0008926	VOLUME	451642.685	3770681.145	315.19
LOCATION	L0008927	VOLUME	451642.618	3770672.556	315.02
LOCATION	L0008928	VOLUME	451642.551	3770663.966	314.84
LOCATION	L0008929	VOLUME	451642.484	3770655.376	314.68
LOCATION	L0008930	VOLUME	451642.416	3770646.786	314.59
LOCATION	L0008931	VOLUME	451642.349	3770638.197	314.50
LOCATION	L0008932	VOLUME	451642.282	3770629.607	314.41
LOCATION	L0008933	VOLUME	451642.215	3770621.017	314.35
LOCATION	L0008934	VOLUME	451642.147	3770612.427	314.32
LOCATION	L0008935	VOLUME	451642.080	3770603.838	314.28
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LOCATION	L0008937	VOLUME	451641.946	3770586.658	314.21
LOCATION	L0008938	VOLUME	451641.878	3770578.068	314.17
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LOCATION	L0008940	VOLUME	451641.744	3770560.889	314.07
LOCATION	L0008941	VOLUME	451641.677	3770552.299	313.98
LOCATION	L0008942	VOLUME	451641.609	3770543.710	313.90
LOCATION	L0008943	VOLUME	451641.542	3770535.120	313.80
LOCATION	L0008944	VOLUME	451641.475	3770526.530	313.66
LOCATION	L0008945	VOLUME	451641.408	3770517.940	313.52
LOCATION	L0008946	VOLUME	451641.341	3770509.351	313.38
LOCATION	L0008947	VOLUME	451641.273	3770500.761	313.28
LOCATION	L0008948	VOLUME	451641.206	3770492.171	313.19
LOCATION	L0008949	VOLUME	451641.139	3770483.581	313.10
LOCATION	L0008950	VOLUME	451641.072	3770474.992	313.02

LOCATION	L0008951	VOLUME	451641.004	3770466.402	312.93
LOCATION	L0008952	VOLUME	451640.937	3770457.812	312.84
LOCATION	L0008953	VOLUME	451640.870	3770449.222	312.75
LOCATION	L0008954	VOLUME	451640.803	3770440.633	312.67
LOCATION	L0008955	VOLUME	451640.735	3770432.043	312.58
LOCATION	L0008956	VOLUME	451640.668	3770423.453	312.49
LOCATION	L0008957	VOLUME	451640.601	3770414.863	312.40
LOCATION	L0008958	VOLUME	451640.534	3770406.274	312.32
LOCATION	L0008959	VOLUME	451640.467	3770397.684	312.23
LOCATION	L0008960	VOLUME	451640.399	3770389.094	312.14
LOCATION	L0008961	VOLUME	451640.332	3770380.505	312.06
LOCATION	L0008962	VOLUME	451640.265	3770371.915	311.97
LOCATION	L0008963	VOLUME	451640.198	3770363.325	311.88
LOCATION	L0008964	VOLUME	451640.130	3770354.735	311.78
LOCATION	L0008965	VOLUME	451640.063	3770346.146	311.60
LOCATION	L0008966	VOLUME	451639.996	3770337.556	311.43
LOCATION	L0008967	VOLUME	451639.929	3770328.966	311.25
LOCATION	L0008968	VOLUME	451639.861	3770320.376	311.14
LOCATION	L0008969	VOLUME	451639.794	3770311.787	311.05
LOCATION	L0008970	VOLUME	451639.727	3770303.197	310.97
LOCATION	L0008971	VOLUME	451639.660	3770294.607	310.88
LOCATION	L0008972	VOLUME	451639.592	3770286.017	310.79
LOCATION	L0008973	VOLUME	451639.525	3770277.428	310.70
LOCATION	L0008974	VOLUME	451639.458	3770268.838	310.62
LOCATION	L0008975	VOLUME	451639.391	3770260.248	310.51
LOCATION	L0008976	VOLUME	451639.324	3770251.658	310.39
LOCATION	L0008977	VOLUME	451639.256	3770243.069	310.27
LOCATION	L0008978	VOLUME	451639.189	3770234.479	310.15
LOCATION	L0008979	VOLUME	451639.122	3770225.889	310.00
LOCATION	L0008980	VOLUME	451639.055	3770217.300	309.86
LOCATION	L0008981	VOLUME	451638.987	3770208.710	309.72
LOCATION	L0008982	VOLUME	451638.920	3770200.120	309.55
LOCATION	L0008983	VOLUME	451638.853	3770191.530	309.38
LOCATION	L0008984	VOLUME	451638.786	3770182.941	309.20
LOCATION	L0008985	VOLUME	451638.718	3770174.351	309.04
LOCATION	L0008986	VOLUME	451638.651	3770165.761	308.93
LOCATION	L0008987	VOLUME	451638.584	3770157.171	308.81
LOCATION	L0008988	VOLUME	451638.517	3770148.582	308.70
LOCATION	L0008989	VOLUME	451638.450	3770139.992	308.59
LOCATION	L0008990	VOLUME	451638.382	3770131.402	308.48
LOCATION	L0008991	VOLUME	451638.315	3770122.812	308.36
LOCATION	L0008992	VOLUME	451638.248	3770114.223	308.27
LOCATION	L0008993	VOLUME	451638.181	3770105.633	308.24
LOCATION	L0008994	VOLUME	451638.113	3770097.043	308.20
LOCATION	L0008995	VOLUME	451638.046	3770088.453	308.16
LOCATION	L0008996	VOLUME	451637.979	3770079.864	308.05
LOCATION	L0008997	VOLUME	451637.912	3770071.274	307.91
LOCATION	L0008998	VOLUME	451637.844	3770062.684	307.78

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   LOCATION L0009000     VOLUME   451637.710 3770045.505 307.58
   LOCATION L0009001     VOLUME   451637.643 3770036.915 307.50
   LOCATION L0009002     VOLUME   451637.576 3770028.325 307.42
   LOCATION L0009003     VOLUME   451637.508 3770019.736 307.28
   LOCATION L0009004     VOLUME   451637.441 3770011.146 307.12
   LOCATION L0009005     VOLUME   451637.374 3770002.556 306.97
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   LOCATION L0009007     VOLUME   451637.239 3769985.377 306.92
   LOCATION L0009008     VOLUME   451637.172 3769976.787 306.96
   LOCATION L0009009     VOLUME   451637.105 3769968.197 307.01
   LOCATION L0009010     VOLUME   451637.038 3769959.607 306.94
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   LOCATION L0009016     VOLUME   451636.634 3769908.069 307.85
   LOCATION L0009017     VOLUME   451636.567 3769899.479 308.10
   LOCATION L0009018     VOLUME   451636.500 3769890.890 308.32
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   LOCATION L0009021     VOLUME   451636.298 3769865.120 308.26
   LOCATION L0009022     VOLUME   451636.231 3769856.531 307.93
   LOCATION L0009023     VOLUME   451636.164 3769847.941 307.60
   LOCATION L0009024     VOLUME   451636.096 3769839.351 307.49
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   LOCATION L0009027     VOLUME   451635.895 3769813.582 307.12
   LOCATION L0009028     VOLUME   451635.827 3769804.992 306.54
   LOCATION L0009029     VOLUME   451635.760 3769796.402 305.97
   LOCATION L0009030     VOLUME   451635.693 3769787.813 305.39
   LOCATION L0009031     VOLUME   451635.626 3769779.223 305.17
   LOCATION L0009032     VOLUME   451635.559 3769770.633 305.03
   LOCATION L0009033     VOLUME   451635.491 3769762.043 304.89
   LOCATION L0009034     VOLUME   451635.424 3769753.454 304.75
   LOCATION L0009035     VOLUME   451635.357 3769744.864 304.61
** END OF LINE VOLUME SOURCE ID = SLINE6
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC OFF-SITE TRAVEL  35% INBOUND DWY 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001154
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
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LOCATION	L0009205	VOLUME	453411.788	3770844.827	325.26
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LOCATION	L0009215	VOLUME	453325.888	3770844.863	324.53
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LOCATION	L0009219	VOLUME	453291.529	3770844.813	324.22
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LOCATION	L0009223	VOLUME	453257.169	3770844.742	323.64
LOCATION	L0009224	VOLUME	453248.579	3770844.724	323.44
LOCATION	L0009225	VOLUME	453239.989	3770844.706	323.52
LOCATION	L0009226	VOLUME	453231.399	3770844.688	323.60
LOCATION	L0009227	VOLUME	453222.809	3770844.671	323.68
LOCATION	L0009228	VOLUME	453214.219	3770844.653	323.71
LOCATION	L0009229	VOLUME	453205.629	3770844.635	323.71
LOCATION	L0009230	VOLUME	453197.039	3770844.617	323.71
LOCATION	L0009231	VOLUME	453188.449	3770844.599	323.71
LOCATION	L0009232	VOLUME	453179.859	3770844.581	323.70
LOCATION	L0009233	VOLUME	453171.269	3770844.564	323.70
LOCATION	L0009234	VOLUME	453162.679	3770844.546	323.70
LOCATION	L0009235	VOLUME	453154.089	3770844.528	323.70
LOCATION	L0009236	VOLUME	453145.499	3770844.510	323.70
LOCATION	L0009237	VOLUME	453136.909	3770844.492	323.69
LOCATION	L0009238	VOLUME	453128.319	3770844.474	323.69
LOCATION	L0009239	VOLUME	453119.729	3770844.457	323.69
LOCATION	L0009240	VOLUME	453111.139	3770844.439	323.69
LOCATION	L0009241	VOLUME	453102.549	3770844.421	323.69
LOCATION	L0009242	VOLUME	453093.959	3770844.403	323.68
LOCATION	L0009243	VOLUME	453085.369	3770844.385	323.68
LOCATION	L0009244	VOLUME	453076.779	3770844.367	323.68
LOCATION	L0009245	VOLUME	453068.189	3770844.350	323.68
LOCATION	L0009246	VOLUME	453059.599	3770844.332	323.68
LOCATION	L0009247	VOLUME	453051.009	3770844.314	323.67
LOCATION	L0009248	VOLUME	453042.419	3770844.296	323.67
LOCATION	L0009249	VOLUME	453033.829	3770844.278	323.67
LOCATION	L0009250	VOLUME	453025.239	3770844.260	323.67
LOCATION	L0009251	VOLUME	453016.649	3770844.243	323.67
LOCATION	L0009252	VOLUME	453008.059	3770844.225	323.64
LOCATION	L0009253	VOLUME	452999.469	3770844.207	323.50
LOCATION	L0009254	VOLUME	452990.879	3770844.189	323.36
LOCATION	L0009255	VOLUME	452982.289	3770844.171	323.22
LOCATION	L0009256	VOLUME	452973.699	3770844.153	323.15
LOCATION	L0009257	VOLUME	452965.109	3770844.136	323.10
LOCATION	L0009258	VOLUME	452956.519	3770844.118	323.06
LOCATION	L0009259	VOLUME	452947.929	3770844.100	323.02
LOCATION	L0009260	VOLUME	452939.339	3770844.082	323.02
LOCATION	L0009261	VOLUME	452930.749	3770844.064	323.02
LOCATION	L0009262	VOLUME	452922.159	3770844.046	323.02
LOCATION	L0009263	VOLUME	452913.569	3770844.029	323.00
LOCATION	L0009264	VOLUME	452904.979	3770844.011	322.98
LOCATION	L0009265	VOLUME	452896.389	3770843.993	322.96
LOCATION	L0009266	VOLUME	452887.799	3770843.975	322.94

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   LOCATION L0009267     VOLUME   452879.209 3770843.957 322.94
   LOCATION L0009268     VOLUME   452870.619 3770843.939 322.94
   LOCATION L0009269     VOLUME   452862.029 3770843.922 322.94
   LOCATION L0009270     VOLUME   452853.439 3770843.904 322.94
   LOCATION L0009271     VOLUME   452844.849 3770843.886 322.94
   LOCATION L0009272     VOLUME   452836.259 3770843.868 322.94
   LOCATION L0009273     VOLUME   452827.670 3770843.850 322.94
   LOCATION L0009274     VOLUME   452819.080 3770843.832 322.94
   LOCATION L0009275     VOLUME   452810.490 3770843.815 322.93
   LOCATION L0009276     VOLUME   452801.900 3770843.797 322.93
   LOCATION L0009277     VOLUME   452793.310 3770843.779 322.93
   LOCATION L0009278     VOLUME   452784.720 3770843.761 322.93
   LOCATION L0009279     VOLUME   452776.130 3770843.743 322.93
   LOCATION L0009280     VOLUME   452770.356 3770841.006 322.88
   LOCATION L0009281     VOLUME   452770.636 3770832.420 322.74
   LOCATION L0009282     VOLUME   452770.915 3770823.835 322.66
   LOCATION L0009283     VOLUME   452771.195 3770815.249 322.57
** END OF LINE VOLUME SOURCE ID = SLINE7
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC OFF-SITE TRAVEL 30% INBOUND DWY 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001031
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 10
** 451644.733, 3769741.903, 304.57, 0.00, 4.00
** 451645.290, 3769903.729, 308.02, 0.00, 4.00
** 451650.303, 3769964.448, 307.80, 0.00, 4.00
** 451655.836, 3770828.665, 317.51, 0.00, 4.00
** 452476.720, 3770829.205, 320.72, 0.00, 4.00
** 452633.588, 3770828.531, 321.94, 0.00, 4.00
** 452678.635, 3770827.306, 322.64, 0.00, 4.00
** 452747.506, 3770828.314, 322.67, 0.00, 4.00
** 452770.775, 3770829.944, 322.75, 0.00, 4.00
** 452769.496, 3770808.847, 322.48, 0.00, 4.00
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   LOCATION L0009285     VOLUME   451644.777 3769754.787 304.78
   LOCATION L0009286     VOLUME   451644.806 3769763.377 304.98
   LOCATION L0009287     VOLUME   451644.836 3769771.967 305.20
   LOCATION L0009288     VOLUME   451644.866 3769780.557 305.42
   LOCATION L0009289     VOLUME   451644.895 3769789.147 305.74
   LOCATION L0009290     VOLUME   451644.925 3769797.737 306.27
   LOCATION L0009291     VOLUME   451644.954 3769806.327 306.79
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LOCATION	L0009292	VOLUME	451644.984	3769814.917	307.31
LOCATION	L0009293	VOLUME	451645.013	3769823.507	307.43
LOCATION	L0009294	VOLUME	451645.043	3769832.097	307.47
LOCATION	L0009295	VOLUME	451645.073	3769840.687	307.52
LOCATION	L0009296	VOLUME	451645.102	3769849.277	307.65
LOCATION	L0009297	VOLUME	451645.132	3769857.867	307.95
LOCATION	L0009298	VOLUME	451645.161	3769866.457	308.25
LOCATION	L0009299	VOLUME	451645.191	3769875.047	308.56
LOCATION	L0009300	VOLUME	451645.220	3769883.637	308.46
LOCATION	L0009301	VOLUME	451645.250	3769892.227	308.29
LOCATION	L0009302	VOLUME	451645.280	3769900.817	308.12
LOCATION	L0009303	VOLUME	451645.757	3769909.387	307.93
LOCATION	L0009304	VOLUME	451646.464	3769917.948	307.70
LOCATION	L0009305	VOLUME	451647.171	3769926.509	307.49
LOCATION	L0009306	VOLUME	451647.877	3769935.070	307.29
LOCATION	L0009307	VOLUME	451648.584	3769943.631	307.37
LOCATION	L0009308	VOLUME	451649.291	3769952.192	307.49
LOCATION	L0009309	VOLUME	451649.998	3769960.753	307.61
LOCATION	L0009310	VOLUME	451650.334	3769969.330	307.59
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LOCATION	L0009316	VOLUME	451650.664	3770020.869	307.49
LOCATION	L0009317	VOLUME	451650.719	3770029.459	307.64
LOCATION	L0009318	VOLUME	451650.774	3770038.048	307.57
LOCATION	L0009319	VOLUME	451650.829	3770046.638	307.50
LOCATION	L0009320	VOLUME	451650.884	3770055.228	307.42
LOCATION	L0009321	VOLUME	451650.939	3770063.818	307.60
LOCATION	L0009322	VOLUME	451650.994	3770072.408	307.81
LOCATION	L0009323	VOLUME	451651.049	3770080.998	308.02
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LOCATION	L0009325	VOLUME	451651.159	3770098.177	308.10
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LOCATION	L0009327	VOLUME	451651.269	3770115.357	308.02
LOCATION	L0009328	VOLUME	451651.324	3770123.947	308.15
LOCATION	L0009329	VOLUME	451651.379	3770132.537	308.30
LOCATION	L0009330	VOLUME	451651.434	3770141.126	308.45
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LOCATION	L0009332	VOLUME	451651.544	3770158.306	308.75
LOCATION	L0009333	VOLUME	451651.599	3770166.896	308.90
LOCATION	L0009334	VOLUME	451651.654	3770175.486	309.05
LOCATION	L0009335	VOLUME	451651.709	3770184.075	309.22
LOCATION	L0009336	VOLUME	451651.764	3770192.665	309.40
LOCATION	L0009337	VOLUME	451651.819	3770201.255	309.57
LOCATION	L0009338	VOLUME	451651.874	3770209.845	309.77
LOCATION	L0009339	VOLUME	451651.929	3770218.435	309.98

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LOCATION	L0009341	VOLUME	451652.039	3770235.614	310.42
LOCATION	L0009342	VOLUME	451652.094	3770244.204	310.48
LOCATION	L0009343	VOLUME	451652.149	3770252.794	310.52
LOCATION	L0009344	VOLUME	451652.204	3770261.384	310.57
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LOCATION	L0009358	VOLUME	451652.974	3770381.641	312.07
LOCATION	L0009359	VOLUME	451653.029	3770390.231	312.15
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LOCATION	L0009361	VOLUME	451653.139	3770407.411	312.33
LOCATION	L0009362	VOLUME	451653.194	3770416.001	312.42
LOCATION	L0009363	VOLUME	451653.249	3770424.591	312.50
LOCATION	L0009364	VOLUME	451653.304	3770433.180	312.59
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LOCATION	L0009367	VOLUME	451653.469	3770458.950	312.85
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LOCATION	L0009369	VOLUME	451653.579	3770476.129	313.03
LOCATION	L0009370	VOLUME	451653.634	3770484.719	313.11
LOCATION	L0009371	VOLUME	451653.689	3770493.309	313.20
LOCATION	L0009372	VOLUME	451653.744	3770501.899	313.29
LOCATION	L0009373	VOLUME	451653.799	3770510.489	313.38
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LOCATION	L0009376	VOLUME	451653.964	3770536.258	313.69
LOCATION	L0009377	VOLUME	451654.019	3770544.848	313.78
LOCATION	L0009378	VOLUME	451654.074	3770553.438	313.87
LOCATION	L0009379	VOLUME	451654.129	3770562.028	313.95
LOCATION	L0009380	VOLUME	451654.184	3770570.618	314.03
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LOCATION	L0009387	VOLUME	451654.569	3770630.746	314.55

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LOCATION	L0009394	VOLUME	451654.954	3770690.875	315.47
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LOCATION	L0009405	VOLUME	451655.559	3770785.363	316.78
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LOCATION	L0009407	VOLUME	451655.669	3770802.543	316.95
LOCATION	L0009408	VOLUME	451655.724	3770811.133	317.09
LOCATION	L0009409	VOLUME	451655.779	3770819.722	317.26
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LOCATION	L0009427	VOLUME	451801.513	3770828.761	317.83
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LOCATION	L0009435	VOLUME	451870.233	3770828.806	318.45

LOCATION	L0009436	VOLUME	451878.823	3770828.812	318.56
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LOCATION	L0009472	VOLUME	452188.063	3770829.015	319.63
LOCATION	L0009473	VOLUME	452196.653	3770829.021	319.65
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LOCATION	L0009477	VOLUME	452231.013	3770829.043	319.66
LOCATION	L0009478	VOLUME	452239.603	3770829.049	319.66
LOCATION	L0009479	VOLUME	452248.193	3770829.055	319.66
LOCATION	L0009480	VOLUME	452256.783	3770829.060	319.66
LOCATION	L0009481	VOLUME	452265.373	3770829.066	319.72
LOCATION	L0009482	VOLUME	452273.963	3770829.072	319.81
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LOCATION	L0009484	VOLUME	452291.143	3770829.083	319.98
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LOCATION	L0009487	VOLUME	452316.913	3770829.100	320.24
LOCATION	L0009488	VOLUME	452325.503	3770829.105	320.42
LOCATION	L0009489	VOLUME	452334.093	3770829.111	320.64
LOCATION	L0009490	VOLUME	452342.683	3770829.117	320.86
LOCATION	L0009491	VOLUME	452351.273	3770829.122	321.02
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LOCATION	L0009493	VOLUME	452368.453	3770829.134	320.85
LOCATION	L0009494	VOLUME	452377.043	3770829.139	320.76
LOCATION	L0009495	VOLUME	452385.633	3770829.145	320.73
LOCATION	L0009496	VOLUME	452394.223	3770829.151	320.74
LOCATION	L0009497	VOLUME	452402.813	3770829.156	320.74
LOCATION	L0009498	VOLUME	452411.403	3770829.162	320.73
LOCATION	L0009499	VOLUME	452419.993	3770829.168	320.68
LOCATION	L0009500	VOLUME	452428.583	3770829.173	320.63
LOCATION	L0009501	VOLUME	452437.173	3770829.179	320.59
LOCATION	L0009502	VOLUME	452445.763	3770829.185	320.61
LOCATION	L0009503	VOLUME	452454.353	3770829.190	320.66
LOCATION	L0009504	VOLUME	452462.943	3770829.196	320.70
LOCATION	L0009505	VOLUME	452471.533	3770829.201	320.71
LOCATION	L0009506	VOLUME	452480.123	3770829.190	320.57
LOCATION	L0009507	VOLUME	452488.713	3770829.153	320.44
LOCATION	L0009508	VOLUME	452497.303	3770829.116	320.31
LOCATION	L0009509	VOLUME	452505.892	3770829.080	320.35
LOCATION	L0009510	VOLUME	452514.482	3770829.043	320.46
LOCATION	L0009511	VOLUME	452523.072	3770829.006	320.57
LOCATION	L0009512	VOLUME	452531.662	3770828.969	320.69
LOCATION	L0009513	VOLUME	452540.252	3770828.932	320.84
LOCATION	L0009514	VOLUME	452548.842	3770828.895	320.99
LOCATION	L0009515	VOLUME	452557.432	3770828.858	321.15
LOCATION	L0009516	VOLUME	452566.022	3770828.821	321.23
LOCATION	L0009517	VOLUME	452574.612	3770828.784	321.30
LOCATION	L0009518	VOLUME	452583.202	3770828.747	321.36
LOCATION	L0009519	VOLUME	452591.792	3770828.710	321.43
LOCATION	L0009520	VOLUME	452600.382	3770828.674	321.52
LOCATION	L0009521	VOLUME	452608.972	3770828.637	321.60
LOCATION	L0009522	VOLUME	452617.561	3770828.600	321.69
LOCATION	L0009523	VOLUME	452626.151	3770828.563	321.83
LOCATION	L0009524	VOLUME	452634.741	3770828.500	321.98
LOCATION	L0009525	VOLUME	452643.328	3770828.266	322.12
LOCATION	L0009526	VOLUME	452651.915	3770828.033	322.26
LOCATION	L0009527	VOLUME	452660.501	3770827.799	322.36
LOCATION	L0009528	VOLUME	452669.088	3770827.566	322.47
LOCATION	L0009529	VOLUME	452677.675	3770827.332	322.58
LOCATION	L0009530	VOLUME	452686.264	3770827.418	322.60
LOCATION	L0009531	VOLUME	452694.853	3770827.544	322.60

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   LOCATION L0009532     VOLUME   452703.442 3770827.669 322.61
   LOCATION L0009533     VOLUME   452712.031 3770827.795 322.61
   LOCATION L0009534     VOLUME   452720.620 3770827.920 322.61
   LOCATION L0009535     VOLUME   452729.209 3770828.046 322.61
   LOCATION L0009536     VOLUME   452737.798 3770828.172 322.62
   LOCATION L0009537     VOLUME   452746.387 3770828.297 322.64
   LOCATION L0009538     VOLUME   452754.959 3770828.836 322.67
   LOCATION L0009539     VOLUME   452763.528 3770829.436 322.70
   LOCATION L0009540     VOLUME   452770.695 3770828.621 322.70
   LOCATION L0009541     VOLUME   452770.175 3770820.047 322.62
   LOCATION L0009542     VOLUME   452769.655 3770811.472 322.53
** END OF LINE VOLUME SOURCE ID = SLINE8
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC OFF-SITE TRAVEL 35% INBOUND DWY 4
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001345
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 10
** 451644.733, 3769741.903, 304.57, 0.00, 4.00
** 451645.290, 3769903.729, 308.02, 0.00, 4.00
** 451650.303, 3769964.448, 307.80, 0.00, 4.00
** 451655.836, 3770828.665, 317.51, 0.00, 4.00
** 452476.720, 3770829.205, 320.72, 0.00, 4.00
** 452633.588, 3770828.531, 321.94, 0.00, 4.00
** 452678.635, 3770827.306, 322.64, 0.00, 4.00
** 452747.506, 3770828.314, 322.67, 0.00, 4.00
** 452772.949, 3770827.770, 322.73, 0.00, 4.00
** 453054.797, 3770829.497, 322.73, 0.00, 4.00
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   LOCATION L0009544     VOLUME   451644.777 3769754.787 304.78
   LOCATION L0009545     VOLUME   451644.806 3769763.377 304.98
   LOCATION L0009546     VOLUME   451644.836 3769771.967 305.20
   LOCATION L0009547     VOLUME   451644.866 3769780.557 305.42
   LOCATION L0009548     VOLUME   451644.895 3769789.147 305.74
   LOCATION L0009549     VOLUME   451644.925 3769797.737 306.27
   LOCATION L0009550     VOLUME   451644.954 3769806.327 306.79
   LOCATION L0009551     VOLUME   451644.984 3769814.917 307.31
   LOCATION L0009552     VOLUME   451645.013 3769823.507 307.43
   LOCATION L0009553     VOLUME   451645.043 3769832.097 307.47
   LOCATION L0009554     VOLUME   451645.073 3769840.687 307.52
   LOCATION L0009555     VOLUME   451645.102 3769849.277 307.65
   LOCATION L0009556     VOLUME   451645.132 3769857.867 307.95
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LOCATION	L0009558	VOLUME	451645.191	3769875.047	308.56
LOCATION	L0009559	VOLUME	451645.220	3769883.637	308.46
LOCATION	L0009560	VOLUME	451645.250	3769892.227	308.29
LOCATION	L0009561	VOLUME	451645.280	3769900.817	308.12
LOCATION	L0009562	VOLUME	451645.757	3769909.387	307.93
LOCATION	L0009563	VOLUME	451646.464	3769917.948	307.70
LOCATION	L0009564	VOLUME	451647.171	3769926.509	307.49
LOCATION	L0009565	VOLUME	451647.877	3769935.070	307.29
LOCATION	L0009566	VOLUME	451648.584	3769943.631	307.37
LOCATION	L0009567	VOLUME	451649.291	3769952.192	307.49
LOCATION	L0009568	VOLUME	451649.998	3769960.753	307.61
LOCATION	L0009569	VOLUME	451650.334	3769969.330	307.59
LOCATION	L0009570	VOLUME	451650.389	3769977.920	307.32
LOCATION	L0009571	VOLUME	451650.444	3769986.510	307.04
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LOCATION	L0009575	VOLUME	451650.664	3770020.869	307.49
LOCATION	L0009576	VOLUME	451650.719	3770029.459	307.64
LOCATION	L0009577	VOLUME	451650.774	3770038.048	307.57
LOCATION	L0009578	VOLUME	451650.829	3770046.638	307.50
LOCATION	L0009579	VOLUME	451650.884	3770055.228	307.42
LOCATION	L0009580	VOLUME	451650.939	3770063.818	307.60
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LOCATION	L0009582	VOLUME	451651.049	3770080.998	308.02
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LOCATION	L0009584	VOLUME	451651.159	3770098.177	308.10
LOCATION	L0009585	VOLUME	451651.214	3770106.767	308.06
LOCATION	L0009586	VOLUME	451651.269	3770115.357	308.02
LOCATION	L0009587	VOLUME	451651.324	3770123.947	308.15
LOCATION	L0009588	VOLUME	451651.379	3770132.537	308.30
LOCATION	L0009589	VOLUME	451651.434	3770141.126	308.45
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LOCATION	L0009598	VOLUME	451651.929	3770218.435	309.98
LOCATION	L0009599	VOLUME	451651.984	3770227.025	310.20
LOCATION	L0009600	VOLUME	451652.039	3770235.614	310.42
LOCATION	L0009601	VOLUME	451652.094	3770244.204	310.48
LOCATION	L0009602	VOLUME	451652.149	3770252.794	310.52
LOCATION	L0009603	VOLUME	451652.204	3770261.384	310.57
LOCATION	L0009604	VOLUME	451652.259	3770269.974	310.63

LOCATION	L0009605	VOLUME	451652.314	3770278.564	310.72
LOCATION	L0009606	VOLUME	451652.369	3770287.153	310.80
LOCATION	L0009607	VOLUME	451652.424	3770295.743	310.89
LOCATION	L0009608	VOLUME	451652.479	3770304.333	310.98
LOCATION	L0009609	VOLUME	451652.534	3770312.923	311.06
LOCATION	L0009610	VOLUME	451652.589	3770321.513	311.15
LOCATION	L0009611	VOLUME	451652.644	3770330.102	311.28
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LOCATION	L0009615	VOLUME	451652.864	3770364.462	311.89
LOCATION	L0009616	VOLUME	451652.919	3770373.052	311.98
LOCATION	L0009617	VOLUME	451652.974	3770381.641	312.07
LOCATION	L0009618	VOLUME	451653.029	3770390.231	312.15
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LOCATION	L0009620	VOLUME	451653.139	3770407.411	312.33
LOCATION	L0009621	VOLUME	451653.194	3770416.001	312.42
LOCATION	L0009622	VOLUME	451653.249	3770424.591	312.50
LOCATION	L0009623	VOLUME	451653.304	3770433.180	312.59
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LOCATION	L0009629	VOLUME	451653.634	3770484.719	313.11
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LOCATION	L0009632	VOLUME	451653.799	3770510.489	313.38
LOCATION	L0009633	VOLUME	451653.854	3770519.079	313.49
LOCATION	L0009634	VOLUME	451653.909	3770527.668	313.59
LOCATION	L0009635	VOLUME	451653.964	3770536.258	313.69
LOCATION	L0009636	VOLUME	451654.019	3770544.848	313.78
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LOCATION	L0009639	VOLUME	451654.184	3770570.618	314.03
LOCATION	L0009640	VOLUME	451654.239	3770579.207	314.11
LOCATION	L0009641	VOLUME	451654.294	3770587.797	314.18
LOCATION	L0009642	VOLUME	451654.349	3770596.387	314.25
LOCATION	L0009643	VOLUME	451654.404	3770604.977	314.32
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LOCATION	L0009645	VOLUME	451654.514	3770622.156	314.47
LOCATION	L0009646	VOLUME	451654.569	3770630.746	314.55
LOCATION	L0009647	VOLUME	451654.624	3770639.336	314.64
LOCATION	L0009648	VOLUME	451654.679	3770647.926	314.72
LOCATION	L0009649	VOLUME	451654.734	3770656.516	314.81
LOCATION	L0009650	VOLUME	451654.789	3770665.106	314.99
LOCATION	L0009651	VOLUME	451654.844	3770673.695	315.16
LOCATION	L0009652	VOLUME	451654.899	3770682.285	315.34

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LOCATION L0009653     VOLUME   451654.954 3770690.875 315.47
LOCATION L0009654     VOLUME   451655.009 3770699.465 315.58
LOCATION L0009655     VOLUME   451655.064 3770708.055 315.68
LOCATION L0009656     VOLUME   451655.119 3770716.645 315.78
LOCATION L0009657     VOLUME   451655.174 3770725.234 315.95
LOCATION L0009658     VOLUME   451655.229 3770733.824 316.13
LOCATION L0009659     VOLUME   451655.284 3770742.414 316.30
LOCATION L0009660     VOLUME   451655.339 3770751.004 316.43
LOCATION L0009661     VOLUME   451655.394 3770759.594 316.52
LOCATION L0009662     VOLUME   451655.449 3770768.183 316.60
LOCATION L0009663     VOLUME   451655.504 3770776.773 316.69
LOCATION L0009664     VOLUME   451655.559 3770785.363 316.78
LOCATION L0009665     VOLUME   451655.614 3770793.953 316.87
LOCATION L0009666     VOLUME   451655.669 3770802.543 316.95
LOCATION L0009667     VOLUME   451655.724 3770811.133 317.09
LOCATION L0009668     VOLUME   451655.779 3770819.722 317.26
LOCATION L0009669     VOLUME   451655.834 3770828.312 317.44
LOCATION L0009670     VOLUME   451664.073 3770828.671 317.45
LOCATION L0009671     VOLUME   451672.663 3770828.676 317.45
LOCATION L0009672     VOLUME   451681.253 3770828.682 317.45
LOCATION L0009673     VOLUME   451689.843 3770828.688 317.45
LOCATION L0009674     VOLUME   451698.433 3770828.693 317.47
LOCATION L0009675     VOLUME   451707.023 3770828.699 317.49
LOCATION L0009676     VOLUME   451715.613 3770828.705 317.51
LOCATION L0009677     VOLUME   451724.203 3770828.710 317.52
LOCATION L0009678     VOLUME   451732.793 3770828.716 317.52
LOCATION L0009679     VOLUME   451741.383 3770828.721 317.52
LOCATION L0009680     VOLUME   451749.973 3770828.727 317.53
LOCATION L0009681     VOLUME   451758.563 3770828.733 317.62
LOCATION L0009682     VOLUME   451767.153 3770828.738 317.70
LOCATION L0009683     VOLUME   451775.743 3770828.744 317.79
LOCATION L0009684     VOLUME   451784.333 3770828.750 317.83
LOCATION L0009685     VOLUME   451792.923 3770828.755 317.83
LOCATION L0009686     VOLUME   451801.513 3770828.761 317.83
LOCATION L0009687     VOLUME   451810.103 3770828.767 317.84
LOCATION L0009688     VOLUME   451818.693 3770828.772 317.92
LOCATION L0009689     VOLUME   451827.283 3770828.778 318.01
LOCATION L0009690     VOLUME   451835.873 3770828.784 318.10
LOCATION L0009691     VOLUME   451844.463 3770828.789 318.18
LOCATION L0009692     VOLUME   451853.053 3770828.795 318.27
LOCATION L0009693     VOLUME   451861.643 3770828.801 318.36
LOCATION L0009694     VOLUME   451870.233 3770828.806 318.45
LOCATION L0009695     VOLUME   451878.823 3770828.812 318.56
LOCATION L0009696     VOLUME   451887.413 3770828.817 318.67
LOCATION L0009697     VOLUME   451896.003 3770828.823 318.78
LOCATION L0009698     VOLUME   451904.593 3770828.829 318.94
LOCATION L0009699     VOLUME   451913.183 3770828.834 319.13
LOCATION L0009700     VOLUME   451921.773 3770828.840 319.33
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LOCATION	L0009704	VOLUME	451956.133	3770828.863	319.91
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LOCATION	L0009706	VOLUME	451973.313	3770828.874	319.82
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LOCATION	L0009709	VOLUME	451999.083	3770828.891	319.66
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LOCATION	L0009712	VOLUME	452024.853	3770828.908	319.66
LOCATION	L0009713	VOLUME	452033.443	3770828.913	319.66
LOCATION	L0009714	VOLUME	452042.033	3770828.919	319.66
LOCATION	L0009715	VOLUME	452050.623	3770828.925	319.66
LOCATION	L0009716	VOLUME	452059.213	3770828.930	319.66
LOCATION	L0009717	VOLUME	452067.803	3770828.936	319.66
LOCATION	L0009718	VOLUME	452076.393	3770828.942	319.66
LOCATION	L0009719	VOLUME	452084.983	3770828.947	319.66
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LOCATION	L0009737	VOLUME	452239.603	3770829.049	319.66
LOCATION	L0009738	VOLUME	452248.193	3770829.055	319.66
LOCATION	L0009739	VOLUME	452256.783	3770829.060	319.66
LOCATION	L0009740	VOLUME	452265.373	3770829.066	319.72
LOCATION	L0009741	VOLUME	452273.963	3770829.072	319.81
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LOCATION	L0009745	VOLUME	452308.323	3770829.094	320.16
LOCATION	L0009746	VOLUME	452316.913	3770829.100	320.24
LOCATION	L0009747	VOLUME	452325.503	3770829.105	320.42
LOCATION	L0009748	VOLUME	452334.093	3770829.111	320.64

LOCATION	L0009749	VOLUME	452342.683	3770829.117	320.86
LOCATION	L0009750	VOLUME	452351.273	3770829.122	321.02
LOCATION	L0009751	VOLUME	452359.863	3770829.128	320.93
LOCATION	L0009752	VOLUME	452368.453	3770829.134	320.85
LOCATION	L0009753	VOLUME	452377.043	3770829.139	320.76
LOCATION	L0009754	VOLUME	452385.633	3770829.145	320.73
LOCATION	L0009755	VOLUME	452394.223	3770829.151	320.74
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LOCATION	L0009760	VOLUME	452437.173	3770829.179	320.59
LOCATION	L0009761	VOLUME	452445.763	3770829.185	320.61
LOCATION	L0009762	VOLUME	452454.353	3770829.190	320.66
LOCATION	L0009763	VOLUME	452462.943	3770829.196	320.70
LOCATION	L0009764	VOLUME	452471.533	3770829.201	320.71
LOCATION	L0009765	VOLUME	452480.123	3770829.190	320.57
LOCATION	L0009766	VOLUME	452488.713	3770829.153	320.44
LOCATION	L0009767	VOLUME	452497.303	3770829.116	320.31
LOCATION	L0009768	VOLUME	452505.892	3770829.080	320.35
LOCATION	L0009769	VOLUME	452514.482	3770829.043	320.46
LOCATION	L0009770	VOLUME	452523.072	3770829.006	320.57
LOCATION	L0009771	VOLUME	452531.662	3770828.969	320.69
LOCATION	L0009772	VOLUME	452540.252	3770828.932	320.84
LOCATION	L0009773	VOLUME	452548.842	3770828.895	320.99
LOCATION	L0009774	VOLUME	452557.432	3770828.858	321.15
LOCATION	L0009775	VOLUME	452566.022	3770828.821	321.23
LOCATION	L0009776	VOLUME	452574.612	3770828.784	321.30
LOCATION	L0009777	VOLUME	452583.202	3770828.747	321.36
LOCATION	L0009778	VOLUME	452591.792	3770828.710	321.43
LOCATION	L0009779	VOLUME	452600.382	3770828.674	321.52
LOCATION	L0009780	VOLUME	452608.972	3770828.637	321.60
LOCATION	L0009781	VOLUME	452617.561	3770828.600	321.69
LOCATION	L0009782	VOLUME	452626.151	3770828.563	321.83
LOCATION	L0009783	VOLUME	452634.741	3770828.500	321.98
LOCATION	L0009784	VOLUME	452643.328	3770828.266	322.12
LOCATION	L0009785	VOLUME	452651.915	3770828.033	322.26
LOCATION	L0009786	VOLUME	452660.501	3770827.799	322.36
LOCATION	L0009787	VOLUME	452669.088	3770827.566	322.47
LOCATION	L0009788	VOLUME	452677.675	3770827.332	322.58
LOCATION	L0009789	VOLUME	452686.264	3770827.418	322.60
LOCATION	L0009790	VOLUME	452694.853	3770827.544	322.60
LOCATION	L0009791	VOLUME	452703.442	3770827.669	322.61
LOCATION	L0009792	VOLUME	452712.031	3770827.795	322.61
LOCATION	L0009793	VOLUME	452720.620	3770827.920	322.61
LOCATION	L0009794	VOLUME	452729.209	3770828.046	322.61
LOCATION	L0009795	VOLUME	452737.798	3770828.172	322.62
LOCATION	L0009796	VOLUME	452746.387	3770828.297	322.64

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   LOCATION L0009797     VOLUME   452754.976 3770828.154 322.66
   LOCATION L0009798     VOLUME   452763.564 3770827.971 322.68
   LOCATION L0009799     VOLUME   452772.152 3770827.787 322.70
   LOCATION L0009800     VOLUME   452780.741 3770827.818 322.70
   LOCATION L0009801     VOLUME   452789.331 3770827.870 322.70
   LOCATION L0009802     VOLUME   452797.921 3770827.923 322.70
   LOCATION L0009803     VOLUME   452806.511 3770827.976 322.70
   LOCATION L0009804     VOLUME   452815.101 3770828.028 322.70
   LOCATION L0009805     VOLUME   452823.691 3770828.081 322.70
   LOCATION L0009806     VOLUME   452832.280 3770828.134 322.70
   LOCATION L0009807     VOLUME   452840.870 3770828.186 322.70
   LOCATION L0009808     VOLUME   452849.460 3770828.239 322.70
   LOCATION L0009809     VOLUME   452858.050 3770828.292 322.70
   LOCATION L0009810     VOLUME   452866.640 3770828.344 322.70
   LOCATION L0009811     VOLUME   452875.230 3770828.397 322.70
   LOCATION L0009812     VOLUME   452883.819 3770828.449 322.70
   LOCATION L0009813     VOLUME   452892.409 3770828.502 322.70
   LOCATION L0009814     VOLUME   452900.999 3770828.555 322.70
   LOCATION L0009815     VOLUME   452909.589 3770828.607 322.70
   LOCATION L0009816     VOLUME   452918.179 3770828.660 322.71
   LOCATION L0009817     VOLUME   452926.769 3770828.713 322.71
   LOCATION L0009818     VOLUME   452935.358 3770828.765 322.71
   LOCATION L0009819     VOLUME   452943.948 3770828.818 322.71
   LOCATION L0009820     VOLUME   452952.538 3770828.871 322.71
   LOCATION L0009821     VOLUME   452961.128 3770828.923 322.71
   LOCATION L0009822     VOLUME   452969.718 3770828.976 322.71
   LOCATION L0009823     VOLUME   452978.308 3770829.029 322.71
   LOCATION L0009824     VOLUME   452986.897 3770829.081 322.71
   LOCATION L0009825     VOLUME   452995.487 3770829.134 322.71
   LOCATION L0009826     VOLUME   453004.077 3770829.186 322.71
   LOCATION L0009827     VOLUME   453012.667 3770829.239 322.71
   LOCATION L0009828     VOLUME   453021.257 3770829.292 322.71
   LOCATION L0009829     VOLUME   453029.847 3770829.344 322.71
   LOCATION L0009830     VOLUME   453038.436 3770829.397 322.71
   LOCATION L0009831     VOLUME   453047.026 3770829.450 322.71
** END OF LINE VOLUME SOURCE ID = SLINE9
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0008231     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008232     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008233     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008234     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008235     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008236     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008237     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008238     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008239     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008240     0.000002669      3.49      4.00      3.25
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   SRCPARAM L0008241     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008242     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008243     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008244     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008245     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008246     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008247     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008248     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008249     0.000002669      3.49      4.00      3.25
   SRCPARAM L0008250     0.000002669      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE2
   SRCPARAM L0008251     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008252     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008253     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008254     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008255     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008256     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008257     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008258     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008259     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008260     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008261     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008262     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008263     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008264     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008265     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008266     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008267     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008268     0.0000004563      3.49      4.00      3.25
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   SRCPARAM L0008272     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008273     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008274     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008275     0.0000004563      3.49      4.00      3.25
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   SRCPARAM L0008277     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008278     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008279     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008280     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008281     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008282     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008283     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008284     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008285     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008286     0.0000004563      3.49      4.00      3.25
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   SRCPARAM L0008287     0.0000004563      3.49      4.00      3.25
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   SRCPARAM L0008292     0.0000004563      3.49      4.00      3.25
   SRCPARAM L0008293     0.0000004563      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE3
   SRCPARAM L0008294     0.0000002439      3.49      4.00      3.25
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   SRCPARAM L0008298     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008299     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008300     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008301     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008302     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008303     0.0000002439      3.49      4.00      3.25
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   SRCPARAM L0008312     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008313     0.0000002439      3.49      4.00      3.25
   SRCPARAM L0008314     0.0000002439      3.49      4.00      3.25
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   SRCPARAM L0008320     0.00000003313      3.49      4.00      3.25
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   SRCPARAM L0009026     0.00000008617      3.49      4.00      3.25
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   SRCPARAM L0009030     0.00000008617      3.49      4.00      3.25
   SRCPARAM L0009031     0.00000008617      3.49      4.00      3.25
   SRCPARAM L0009032     0.00000008617      3.49      4.00      3.25
   SRCPARAM L0009033     0.00000008617      3.49      4.00      3.25
   SRCPARAM L0009034     0.00000008617      3.49      4.00      3.25
   SRCPARAM L0009035     0.00000008617      3.49      4.00      3.25
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   SRCPARAM L0009039     0.00000004653      3.49      4.00      3.25
   SRCPARAM L0009040     0.00000004653      3.49      4.00      3.25
   SRCPARAM L0009041     0.00000004653      3.49      4.00      3.25
   SRCPARAM L0009042     0.00000004653      3.49      4.00      3.25
   SRCPARAM L0009043     0.00000004653      3.49      4.00      3.25
   SRCPARAM L0009044     0.00000004653      3.49      4.00      3.25
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SRCPARAM L0009092     0.00000004653      3.49      4.00      3.25
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SRCPARAM	L0009208	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009209	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009210	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009211	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009212	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009213	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009214	0.00000004653	3.49	4.00	3.25
SRCPARAM	L0009215	0.00000004653	3.49	4.00	3.25
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SRCPARAM	L0009221	0.00000004653	3.49	4.00	3.25
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SRCPARAM	L0009224	0.00000004653	3.49	4.00	3.25
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SRCPARAM	L0009236	0.00000004653	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE8
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   SRCPARAM L0009290     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009291     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009292     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009293     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009294     0.00000003981      0.00      4.00      3.25
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   SRCPARAM L0009299     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009300     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009301     0.00000003981      0.00      4.00      3.25
   SRCPARAM L0009302     0.00000003981      0.00      4.00      3.25
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SRCPARAM	L0009513	0.00000003981	0.00	4.00	3.25
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   SRCPARAM L0009814     0.00000004654      0.00      4.00      3.25
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   SRCPARAM L0009819     0.00000004654      0.00      4.00      3.25
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   SRCPARAM L0009830     0.00000004654      0.00      4.00      3.25
   SRCPARAM L0009831     0.00000004654      0.00      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "12112 HRA TRUS.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
   PROFFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
```

```
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "12112 HRA TRUS.AD\AN00GALL.PLT" 31
   SUMMFILE "12112 HRA TRUS.SUM"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186    3457       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    3457       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:01:03

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
  ***
```

- -
- -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for  1601 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:   1601 Source(s);       1 Source Group(s); and      71
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:   1601 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date: 16216

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
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: Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ; 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 =   4.2 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: 12112 HRA TRUS.ERR

 **File for Summary of Results: 12112 HRA TRUS.SUM

↟ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC   ***   03/14/20
 *** AERMET - VERSION 16216 ***   ***
                         ***   15:01:03

                                    PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)

(METERS) BY
- -

L0008231	0	0.26690E-05	452866.6	3770738.7	321.1	3.49	4.00	3.25	YES
L0008232	0	0.26690E-05	452875.2	3770738.8	321.2	3.49	4.00	3.25	YES
L0008233	0	0.26690E-05	452883.8	3770738.8	321.2	3.49	4.00	3.25	YES
L0008234	0	0.26690E-05	452892.4	3770738.8	321.2	3.49	4.00	3.25	YES
L0008235	0	0.26690E-05	452901.0	3770738.9	321.3	3.49	4.00	3.25	YES
L0008236	0	0.26690E-05	452909.6	3770738.9	321.3	3.49	4.00	3.25	YES
L0008237	0	0.26690E-05	452918.2	3770738.9	321.4	3.49	4.00	3.25	YES
L0008238	0	0.26690E-05	452926.7	3770739.0	321.4	3.49	4.00	3.25	YES
L0008239	0	0.26690E-05	452935.3	3770739.0	321.4	3.49	4.00	3.25	YES
L0008240	0	0.26690E-05	452943.9	3770739.0	321.4	3.49	4.00	3.25	YES
L0008241	0	0.26690E-05	452952.5	3770739.1	321.4	3.49	4.00	3.25	YES
L0008242	0	0.26690E-05	452961.1	3770739.1	321.4	3.49	4.00	3.25	YES
L0008243	0	0.26690E-05	452969.7	3770739.1	321.4	3.49	4.00	3.25	YES
L0008244	0	0.26690E-05	452978.3	3770739.2	321.4	3.49	4.00	3.25	YES
L0008245	0	0.26690E-05	452986.9	3770739.2	321.4	3.49	4.00	3.25	YES
L0008246	0	0.26690E-05	452995.5	3770739.2	321.4	3.49	4.00	3.25	YES
L0008247	0	0.26690E-05	453004.1	3770739.3	321.4	3.49	4.00	3.25	YES
L0008248	0	0.26690E-05	453012.6	3770739.3	321.4	3.49	4.00	3.25	YES
L0008249	0	0.26690E-05	453021.2	3770739.4	321.4	3.49	4.00	3.25	YES
L0008250	0	0.26690E-05	453029.8	3770739.4	321.4	3.49	4.00	3.25	YES
L0008251	0	0.45630E-06	453082.5	3770683.1	320.6	3.49	4.00	3.25	YES
L0008252	0	0.45630E-06	453074.0	3770684.5	320.6	3.49	4.00	3.25	YES

L0008253	0	0.45630E-06	453065.5	3770685.9	320.6	3.49	4.00
3.25	YES						
L0008254	0	0.45630E-06	453057.0	3770687.3	320.7	3.49	4.00
3.25	YES						
L0008255	0	0.45630E-06	453048.6	3770688.7	320.7	3.49	4.00
3.25	YES						
L0008256	0	0.45630E-06	453040.1	3770690.0	320.7	3.49	4.00
3.25	YES						
L0008257	0	0.45630E-06	453031.6	3770691.4	320.7	3.49	4.00
3.25	YES						
L0008258	0	0.45630E-06	453023.1	3770692.8	320.7	3.49	4.00
3.25	YES						
L0008259	0	0.45630E-06	453014.6	3770694.2	320.7	3.49	4.00
3.25	YES						
L0008260	0	0.45630E-06	453006.2	3770695.6	320.7	3.49	4.00
3.25	YES						
L0008261	0	0.45630E-06	452997.7	3770697.0	320.8	3.49	4.00
3.25	YES						
L0008262	0	0.45630E-06	452989.2	3770698.3	320.8	3.49	4.00
3.25	YES						
L0008263	0	0.45630E-06	452980.7	3770699.7	320.8	3.49	4.00
3.25	YES						
L0008264	0	0.45630E-06	452972.3	3770701.1	320.8	3.49	4.00
3.25	YES						
L0008265	0	0.45630E-06	452963.8	3770702.5	320.7	3.49	4.00
3.25	YES						
L0008266	0	0.45630E-06	452955.3	3770703.9	320.7	3.49	4.00
3.25	YES						
L0008267	0	0.45630E-06	452946.8	3770705.2	320.7	3.49	4.00
3.25	YES						
L0008268	0	0.45630E-06	452938.3	3770706.4	320.8	3.49	4.00
3.25	YES						
L0008269	0	0.45630E-06	452929.8	3770707.7	320.8	3.49	4.00
3.25	YES						
L0008270	0	0.45630E-06	452921.3	3770708.9	320.8	3.49	4.00
3.25	YES						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

INIT. SOURCE ID	URBAN PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE VARY BY
L0008271	0	0.45630E-06	452912.8	3770710.1	320.8	3.49	4.00	3.25	YES
L0008272	0	0.45630E-06	452904.3	3770711.3	320.9	3.49	4.00	3.25	YES
L0008273	0	0.45630E-06	452895.8	3770712.5	320.9	3.49	4.00	3.25	YES
L0008274	0	0.45630E-06	452887.3	3770713.8	320.9	3.49	4.00	3.25	YES
L0008275	0	0.45630E-06	452878.8	3770715.0	320.8	3.49	4.00	3.25	YES
L0008276	0	0.45630E-06	452870.3	3770716.2	320.8	3.49	4.00	3.25	YES
L0008277	0	0.45630E-06	452861.8	3770717.4	320.7	3.49	4.00	3.25	YES
L0008278	0	0.45630E-06	452853.4	3770719.0	320.7	3.49	4.00	3.25	YES
L0008279	0	0.45630E-06	452845.1	3770721.4	320.8	3.49	4.00	3.25	YES
L0008280	0	0.45630E-06	452836.9	3770723.9	320.8	3.49	4.00	3.25	YES
L0008281	0	0.45630E-06	452828.7	3770726.3	320.9	3.49	4.00	3.25	YES
L0008282	0	0.45630E-06	452820.5	3770729.1	320.9	3.49	4.00	3.25	YES
L0008283	0	0.45630E-06	452812.4	3770732.0	321.0	3.49	4.00	3.25	YES
L0008284	0	0.45630E-06	452804.4	3770734.9	321.0	3.49	4.00	3.25	YES
L0008285	0	0.45630E-06	452796.3	3770737.8	321.1	3.49	4.00	3.25	YES
L0008286	0	0.45630E-06	452788.7	3770741.5	321.2	3.49	4.00	3.25	YES
L0008287	0	0.45630E-06	452783.3	3770748.1	321.3	3.49	4.00	3.25	YES
L0008288	0	0.45630E-06	452781.3	3770756.5	321.5	3.49	4.00	3.25	YES
L0008289	0	0.45630E-06	452779.5	3770764.8	321.6	3.49	4.00	3.25	YES
L0008290	0	0.45630E-06	452777.9	3770773.3	321.8	3.49	4.00	3.25	YES

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 L0008291         0   0.45630E-06  452776.3 3770781.7   322.0     3.49     4.00
3.25     YES
 L0008292         0   0.45630E-06  452774.7 3770790.2   322.2     3.49     4.00
3.25     YES
 L0008293         0   0.45630E-06  452773.1 3770798.6   322.3     3.49     4.00
3.25     YES
 L0008294         0   0.24390E-06  453053.9 3770816.0   322.6     3.49     4.00
3.25     YES
 L0008295         0   0.24390E-06  453053.8 3770807.4   322.5     3.49     4.00
3.25     YES
 L0008296         0   0.24390E-06  453053.7 3770798.8   322.3     3.49     4.00
3.25     YES
 L0008297         0   0.24390E-06  453053.6 3770790.2   322.2     3.49     4.00
3.25     YES
 L0008298         0   0.24390E-06  453053.5 3770781.6   322.0     3.49     4.00
3.25     YES
 L0008299         0   0.24390E-06  453053.5 3770773.1   321.8     3.49     4.00
3.25     YES
 L0008300         0   0.24390E-06  453053.4 3770764.5   321.8     3.49     4.00
3.25     YES
 L0008301         0   0.24390E-06  453053.2 3770755.9   321.7     3.49     4.00
3.25     YES
 L0008302         0   0.24390E-06  453053.1 3770747.3   321.6     3.49     4.00
3.25     YES
 L0008303         0   0.24390E-06  453053.0 3770738.7   321.4     3.49     4.00
3.25     YES
 L0008304         0   0.24390E-06  453059.8 3770737.1   321.4     3.49     4.00
3.25     YES
 L0008305         0   0.24390E-06  453068.4 3770737.3   321.5     3.49     4.00
3.25     YES
 L0008306         0   0.24390E-06  453077.0 3770737.5   321.5     3.49     4.00
3.25     YES
 L0008307         0   0.24390E-06  453085.5 3770737.7   321.5     3.49     4.00
3.25     YES
 L0008308         0   0.24390E-06  453094.1 3770737.8   321.5     3.49     4.00
3.25     YES
 L0008309         0   0.24390E-06  453101.5 3770736.8   321.5     3.49     4.00
3.25     YES
 L0008310         0   0.24390E-06  453101.5 3770728.2   321.4     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC                ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:01:03

                                    PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008311	0	0.24390E-06	453101.6	3770719.6	321.3	3.49	4.00	3.25	YES	
L0008312	0	0.24390E-06	453101.7	3770711.0	321.2	3.49	4.00	3.25	YES	
L0008313	0	0.24390E-06	453101.7	3770702.4	321.0	3.49	4.00	3.25	YES	
L0008314	0	0.24390E-06	453101.8	3770693.8	320.8	3.49	4.00	3.25	YES	
L0008315	0	0.33130E-07	453058.3	3770829.4	322.7	3.49	4.00	3.25	YES	
L0008316	0	0.33130E-07	453066.9	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008317	0	0.33130E-07	453075.5	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008318	0	0.33130E-07	453084.1	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008319	0	0.33130E-07	453092.6	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008320	0	0.33130E-07	453101.2	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008321	0	0.33130E-07	453109.8	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008322	0	0.33130E-07	453118.4	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008323	0	0.33130E-07	453127.0	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008324	0	0.33130E-07	453135.6	3770829.5	322.7	3.49	4.00	3.25	YES	
L0008325	0	0.33130E-07	453144.2	3770829.6	322.7	3.49	4.00	3.25	YES	
L0008326	0	0.33130E-07	453152.8	3770829.6	322.7	3.49	4.00	3.25	YES	
L0008327	0	0.33130E-07	453161.4	3770829.6	322.7	3.49	4.00	3.25	YES	
L0008328	0	0.33130E-07	453170.0	3770829.6	322.7	3.49	4.00	3.25	YES	

L0008329	0	0.33130E-07	453178.5	3770829.6	322.7	3.49	4.00	3.25 YES
L0008330	0	0.33130E-07	453187.1	3770829.6	322.7	3.49	4.00	3.25 YES
L0008331	0	0.33130E-07	453195.7	3770829.6	322.7	3.49	4.00	3.25 YES
L0008332	0	0.33130E-07	453204.3	3770829.6	322.8	3.49	4.00	3.25 YES
L0008333	0	0.33130E-07	453212.9	3770829.6	322.8	3.49	4.00	3.25 YES
L0008334	0	0.33130E-07	453221.5	3770829.7	322.8	3.49	4.00	3.25 YES
L0008335	0	0.33130E-07	453230.1	3770829.7	322.9	3.49	4.00	3.25 YES
L0008336	0	0.33130E-07	453238.7	3770829.7	323.0	3.49	4.00	3.25 YES
L0008337	0	0.33130E-07	453247.3	3770829.7	323.1	3.49	4.00	3.25 YES
L0008338	0	0.33130E-07	453255.9	3770829.7	323.2	3.49	4.00	3.25 YES
L0008339	0	0.33130E-07	453264.4	3770829.7	323.4	3.49	4.00	3.25 YES
L0008340	0	0.33130E-07	453273.0	3770829.7	323.7	3.49	4.00	3.25 YES
L0008341	0	0.33130E-07	453281.6	3770829.7	323.8	3.49	4.00	3.25 YES
L0008342	0	0.33130E-07	453290.2	3770829.8	323.6	3.49	4.00	3.25 YES
L0008343	0	0.33130E-07	453298.8	3770829.8	323.4	3.49	4.00	3.25 YES
L0008344	0	0.33130E-07	453307.4	3770829.8	323.3	3.49	4.00	3.25 YES
L0008345	0	0.33130E-07	453316.0	3770829.8	323.4	3.49	4.00	3.25 YES
L0008346	0	0.33130E-07	453324.6	3770829.8	323.6	3.49	4.00	3.25 YES
L0008347	0	0.33130E-07	453333.2	3770829.8	323.8	3.49	4.00	3.25 YES
L0008348	0	0.33130E-07	453341.8	3770829.8	324.0	3.49	4.00	3.25 YES
L0008349	0	0.33130E-07	453350.3	3770829.8	324.1	3.49	4.00	3.25 YES
L0008350	0	0.33130E-07	453358.9	3770829.8	324.2	3.49	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE VARY BY
L0008351	0	0.33130E-07	453367.5	3770829.8	324.3	3.49	4.00	3.25	YES
L0008352	0	0.33130E-07	453376.1	3770829.8	324.3	3.49	4.00	3.25	YES
L0008353	0	0.33130E-07	453384.7	3770829.8	324.4	3.49	4.00	3.25	YES
L0008354	0	0.33130E-07	453393.3	3770829.8	324.5	3.49	4.00	3.25	YES
L0008355	0	0.33130E-07	453401.9	3770829.8	324.6	3.49	4.00	3.25	YES
L0008356	0	0.33130E-07	453410.5	3770829.8	324.6	3.49	4.00	3.25	YES
L0008357	0	0.33130E-07	453419.1	3770829.8	324.6	3.49	4.00	3.25	YES
L0008358	0	0.33130E-07	453427.7	3770829.8	324.6	3.49	4.00	3.25	YES
L0008359	0	0.33130E-07	453436.2	3770829.7	324.7	3.49	4.00	3.25	YES
L0008360	0	0.33130E-07	453444.8	3770829.7	324.7	3.49	4.00	3.25	YES
L0008361	0	0.33130E-07	453453.4	3770829.7	324.7	3.49	4.00	3.25	YES
L0008362	0	0.33130E-07	453462.0	3770829.7	324.7	3.49	4.00	3.25	YES
L0008363	0	0.33130E-07	453470.6	3770829.7	324.7	3.49	4.00	3.25	YES
L0008364	0	0.33130E-07	453479.2	3770829.7	324.7	3.49	4.00	3.25	YES
L0008365	0	0.33130E-07	453487.8	3770829.7	324.7	3.49	4.00	3.25	YES
L0008366	0	0.33130E-07	453496.4	3770829.7	324.7	3.49	4.00	3.25	YES

L0008367	0	0.33130E-07	453505.0	3770829.7	324.8	3.49	4.00	3.25 YES
L0008368	0	0.33130E-07	453513.6	3770829.7	324.8	3.49	4.00	3.25 YES
L0008369	0	0.33130E-07	453522.1	3770829.7	324.9	3.49	4.00	3.25 YES
L0008370	0	0.33130E-07	453530.7	3770829.7	324.9	3.49	4.00	3.25 YES
L0008371	0	0.33130E-07	453539.3	3770829.7	324.9	3.49	4.00	3.25 YES
L0008372	0	0.33130E-07	453547.9	3770829.7	324.9	3.49	4.00	3.25 YES
L0008373	0	0.33130E-07	453556.5	3770829.7	324.9	3.49	4.00	3.25 YES
L0008374	0	0.33130E-07	453565.1	3770829.7	324.9	3.49	4.00	3.25 YES
L0008375	0	0.33130E-07	453573.7	3770829.7	324.9	3.49	4.00	3.25 YES
L0008376	0	0.33130E-07	453582.3	3770829.7	325.0	3.49	4.00	3.25 YES
L0008377	0	0.33130E-07	453590.9	3770829.7	325.0	3.49	4.00	3.25 YES
L0008378	0	0.33130E-07	453599.5	3770829.7	325.0	3.49	4.00	3.25 YES
L0008379	0	0.33130E-07	453608.0	3770829.7	325.0	3.49	4.00	3.25 YES
L0008380	0	0.33130E-07	453616.6	3770829.7	325.0	3.49	4.00	3.25 YES
L0008381	0	0.33130E-07	453625.2	3770829.7	325.0	3.49	4.00	3.25 YES
L0008382	0	0.33130E-07	453633.8	3770829.7	325.0	3.49	4.00	3.25 YES
L0008383	0	0.33130E-07	453642.4	3770829.7	325.0	3.49	4.00	3.25 YES
L0008384	0	0.33130E-07	453651.0	3770829.7	324.8	3.49	4.00	3.25 YES
L0008385	0	0.33130E-07	453659.6	3770829.7	324.7	3.49	4.00	3.25 YES
L0008386	0	0.33130E-07	453668.2	3770829.7	324.5	3.49	4.00	3.25 YES
L0008387	0	0.33130E-07	453676.8	3770829.7	324.6	3.49	4.00	3.25 YES
L0008388	0	0.33130E-07	453685.4	3770829.7	324.7	3.49	4.00	3.25 YES
L0008389	0	0.33130E-07	453693.9	3770829.7	324.8	3.49	4.00	3.25 YES
L0008390	0	0.33130E-07	453702.5	3770829.6	324.9	3.49	4.00	3.25 YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008391	0	0.33130E-07	453711.1	3770829.6	325.0	3.49	4.00	3.25	YES	
L0008392	0	0.33130E-07	453719.7	3770829.6	325.1	3.49	4.00	3.25	YES	
L0008393	0	0.33130E-07	453728.3	3770829.6	325.2	3.49	4.00	3.25	YES	
L0008394	0	0.33130E-07	453736.9	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008395	0	0.33130E-07	453745.5	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008396	0	0.33130E-07	453754.1	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008397	0	0.33130E-07	453762.7	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008398	0	0.33130E-07	453771.3	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008399	0	0.33130E-07	453779.8	3770829.6	325.3	3.49	4.00	3.25	YES	
L0008400	0	0.33130E-07	453788.4	3770829.6	324.8	3.49	4.00	3.25	YES	
L0008401	0	0.33130E-07	453797.0	3770829.6	324.6	3.49	4.00	3.25	YES	
L0008402	0	0.33130E-07	453805.6	3770829.6	324.4	3.49	4.00	3.25	YES	
L0008403	0	0.33130E-07	453814.2	3770829.6	324.1	3.49	4.00	3.25	YES	
L0008404	0	0.33130E-07	453822.8	3770829.6	324.0	3.49	4.00	3.25	YES	

L0008405	0	0.33130E-07	453831.4	3770829.6	324.0	3.49	4.00	3.25 YES
L0008406	0	0.33130E-07	453840.0	3770829.6	324.0	3.49	4.00	3.25 YES
L0008407	0	0.33130E-07	453848.6	3770829.6	324.0	3.49	4.00	3.25 YES
L0008408	0	0.33130E-07	453857.2	3770829.6	324.2	3.49	4.00	3.25 YES
L0008409	0	0.33130E-07	453865.7	3770829.6	324.4	3.49	4.00	3.25 YES
L0008410	0	0.33130E-07	453874.3	3770829.6	324.6	3.49	4.00	3.25 YES
L0008411	0	0.33130E-07	453882.9	3770829.6	324.8	3.49	4.00	3.25 YES
L0008412	0	0.33130E-07	453891.5	3770829.6	324.8	3.49	4.00	3.25 YES
L0008413	0	0.33130E-07	453900.1	3770829.6	324.8	3.49	4.00	3.25 YES
L0008414	0	0.33130E-07	453908.7	3770829.6	324.8	3.49	4.00	3.25 YES
L0008415	0	0.33130E-07	453917.3	3770829.6	324.8	3.49	4.00	3.25 YES
L0008416	0	0.33130E-07	453925.9	3770829.6	324.8	3.49	4.00	3.25 YES
L0008417	0	0.33130E-07	453934.5	3770829.6	324.8	3.49	4.00	3.25 YES
L0008418	0	0.33130E-07	453943.1	3770829.6	324.8	3.49	4.00	3.25 YES
L0008419	0	0.33130E-07	453951.6	3770829.5	324.8	3.49	4.00	3.25 YES
L0008420	0	0.33130E-07	453960.2	3770829.5	324.8	3.49	4.00	3.25 YES
L0008421	0	0.33130E-07	453968.8	3770829.4	324.8	3.49	4.00	3.25 YES
L0008422	0	0.33130E-07	453977.4	3770829.4	324.8	3.49	4.00	3.25 YES
L0008423	0	0.33130E-07	453986.0	3770829.3	324.8	3.49	4.00	3.25 YES
L0008424	0	0.33130E-07	453994.6	3770829.3	324.8	3.49	4.00	3.25 YES
L0008425	0	0.33130E-07	454003.2	3770829.2	324.8	3.49	4.00	3.25 YES
L0008426	0	0.33130E-07	454011.8	3770829.2	324.8	3.49	4.00	3.25 YES
L0008427	0	0.33130E-07	454020.4	3770829.2	324.8	3.49	4.00	3.25 YES
L0008428	0	0.33130E-07	454029.0	3770829.1	324.8	3.49	4.00	3.25 YES

 L0008429   0   0.33130E-07 454037.5 3770829.1   324.8   3.49   4.00
3.25   YES
 L0008430   0   0.33130E-07 454046.1 3770829.0   324.9   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- -

 L0008431   0   0.33130E-07 454054.7 3770829.0   325.0   3.49   4.00
3.25   YES
 L0008432   0   0.33130E-07 454063.3 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008433   0   0.33130E-07 454071.9 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008434   0   0.33130E-07 454080.5 3770828.8   325.0   3.49   4.00
3.25   YES
 L0008435   0   0.33130E-07 454089.1 3770828.8   325.0   3.49   4.00
3.25   YES
 L0008436   0   0.33130E-07 454097.7 3770828.7   325.0   3.49   4.00
3.25   YES
 L0008437   0   0.33130E-07 454106.3 3770828.7   325.0   3.49   4.00
3.25   YES
 L0008438   0   0.33130E-07 454114.9 3770828.7   325.0   3.49   4.00
3.25   YES
 L0008439   0   0.33130E-07 454123.4 3770828.6   325.0   3.49   4.00
3.25   YES
 L0008440   0   0.33130E-07 454132.0 3770828.6   325.0   3.49   4.00
3.25   YES
 L0008441   0   0.33130E-07 454140.6 3770828.5   325.0   3.49   4.00
3.25   YES
 L0008442   0   0.33130E-07 454149.2 3770828.5   325.0   3.49   4.00
3.25   YES

L0008443	0	0.33130E-07	454157.8	3770828.4	325.0	3.49	4.00	3.25 YES
L0008444	0	0.33130E-07	454166.4	3770828.4	325.0	3.49	4.00	3.25 YES
L0008445	0	0.33130E-07	454175.0	3770828.3	325.0	3.49	4.00	3.25 YES
L0008446	0	0.33130E-07	454183.6	3770828.3	325.0	3.49	4.00	3.25 YES
L0008447	0	0.33130E-07	454192.2	3770828.2	324.9	3.49	4.00	3.25 YES
L0008448	0	0.33130E-07	454200.8	3770828.2	324.8	3.49	4.00	3.25 YES
L0008449	0	0.33130E-07	454209.3	3770828.2	324.7	3.49	4.00	3.25 YES
L0008450	0	0.33130E-07	454217.9	3770828.1	324.7	3.49	4.00	3.25 YES
L0008451	0	0.33130E-07	454226.5	3770828.1	324.7	3.49	4.00	3.25 YES
L0008452	0	0.33130E-07	454235.1	3770828.0	324.7	3.49	4.00	3.25 YES
L0008453	0	0.33130E-07	454243.7	3770828.0	324.7	3.49	4.00	3.25 YES
L0008454	0	0.33130E-07	454252.3	3770827.9	324.7	3.49	4.00	3.25 YES
L0008455	0	0.33130E-07	454260.9	3770827.9	324.7	3.49	4.00	3.25 YES
L0008456	0	0.33130E-07	454269.5	3770827.8	324.7	3.49	4.00	3.25 YES
L0008457	0	0.33130E-07	454278.1	3770827.8	324.7	3.49	4.00	3.25 YES
L0008458	0	0.33130E-07	454286.7	3770827.7	324.7	3.49	4.00	3.25 YES
L0008459	0	0.33130E-07	454295.2	3770827.7	324.7	3.49	4.00	3.25 YES
L0008460	0	0.33130E-07	454303.8	3770827.6	324.7	3.49	4.00	3.25 YES
L0008461	0	0.33130E-07	454312.4	3770827.6	324.7	3.49	4.00	3.25 YES
L0008462	0	0.33130E-07	454321.0	3770827.6	324.7	3.49	4.00	3.25 YES
L0008463	0	0.33130E-07	454329.6	3770827.5	324.7	3.49	4.00	3.25 YES
L0008464	0	0.33130E-07	454338.2	3770827.5	324.8	3.49	4.00	3.25 YES
L0008465	0	0.33130E-07	454346.8	3770827.4	324.9	3.49	4.00	3.25 YES
L0008466	0	0.33130E-07	454355.4	3770827.4	325.0	3.49	4.00	3.25 YES

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 L0008467         0   0.33130E-07  454364.0 3770827.3   325.1     3.49     4.00
3.25     YES
 L0008468         0   0.33130E-07  454372.6 3770827.3   325.3     3.49     4.00
3.25     YES
 L0008469         0   0.33130E-07  454381.1 3770827.2   325.5     3.49     4.00
3.25     YES
 L0008470         0   0.33130E-07  454389.7 3770827.2   325.7     3.49     4.00
3.25     YES
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008471         0   0.33130E-07  454398.3 3770827.1   325.7     3.49     4.00
3.25     YES
 L0008472         0   0.33130E-07  454406.9 3770827.1   325.7     3.49     4.00
3.25     YES
 L0008473         0   0.33130E-07  454415.5 3770827.1   325.7     3.49     4.00
3.25     YES
 L0008474         0   0.33130E-07  454424.1 3770827.0   325.7     3.49     4.00
3.25     YES
 L0008475         0   0.33130E-07  454432.7 3770827.0   325.7     3.49     4.00
3.25     YES
 L0008476         0   0.33130E-07  454441.3 3770826.9   325.7     3.49     4.00
3.25     YES
 L0008477         0   0.33130E-07  454449.9 3770826.9   325.7     3.49     4.00
3.25     YES
 L0008478         0   0.33130E-07  454458.5 3770826.8   325.8     3.49     4.00
3.25     YES
 L0008479         0   0.33130E-07  454467.0 3770826.8   325.9     3.49     4.00
3.25     YES
 L0008480         0   0.33130E-07  454475.6 3770826.7   326.0     3.49     4.00
3.25     YES
```

L0008481	0	0.33130E-07	454484.2	3770826.7	326.0	3.49	4.00	3.25 YES
L0008482	0	0.33130E-07	454492.8	3770826.6	326.0	3.49	4.00	3.25 YES
L0008483	0	0.33130E-07	454501.4	3770826.6	326.0	3.49	4.00	3.25 YES
L0008484	0	0.33130E-07	454510.0	3770826.6	326.0	3.49	4.00	3.25 YES
L0008485	0	0.33130E-07	454518.6	3770826.5	326.0	3.49	4.00	3.25 YES
L0008486	0	0.33130E-07	454527.2	3770826.5	326.0	3.49	4.00	3.25 YES
L0008487	0	0.33130E-07	454535.8	3770826.4	326.0	3.49	4.00	3.25 YES
L0008488	0	0.33130E-07	454544.4	3770826.4	326.1	3.49	4.00	3.25 YES
L0008489	0	0.33130E-07	454552.9	3770826.3	326.3	3.49	4.00	3.25 YES
L0008490	0	0.33130E-07	454561.5	3770826.3	326.5	3.49	4.00	3.25 YES
L0008491	0	0.33130E-07	454570.1	3770826.2	326.7	3.49	4.00	3.25 YES
L0008492	0	0.33130E-07	454578.7	3770826.2	326.7	3.49	4.00	3.25 YES
L0008493	0	0.33130E-07	454587.3	3770826.1	326.7	3.49	4.00	3.25 YES
L0008494	0	0.33130E-07	454595.9	3770826.1	326.7	3.49	4.00	3.25 YES
L0008495	0	0.33130E-07	454604.5	3770826.1	326.7	3.49	4.00	3.25 YES
L0008496	0	0.33130E-07	454613.1	3770826.0	326.7	3.49	4.00	3.25 YES
L0008497	0	0.33130E-07	454621.7	3770826.0	326.7	3.49	4.00	3.25 YES
L0008498	0	0.33130E-07	454630.2	3770825.9	326.7	3.49	4.00	3.25 YES
L0008499	0	0.33130E-07	454638.8	3770825.9	326.8	3.49	4.00	3.25 YES
L0008500	0	0.33130E-07	454647.4	3770825.8	326.9	3.49	4.00	3.25 YES
L0008501	0	0.33130E-07	454656.0	3770825.8	327.0	3.49	4.00	3.25 YES
L0008502	0	0.33130E-07	454664.6	3770825.7	327.0	3.49	4.00	3.25 YES
L0008503	0	0.33130E-07	454673.2	3770825.7	327.0	3.49	4.00	3.25 YES
L0008504	0	0.33130E-07	454681.8	3770825.6	327.0	3.49	4.00	3.25 YES

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 L0008505         0   0.33130E-07  454690.4 3770825.6   327.0     3.49     4.00
3.25     YES
 L0008506         0   0.33130E-07  454699.0 3770825.6   327.0     3.49     4.00
3.25     YES
 L0008507         0   0.33130E-07  454707.6 3770825.5   327.0     3.49     4.00
3.25     YES
 L0008508         0   0.33130E-07  454716.1 3770825.5   327.0     3.49     4.00
3.25     YES
 L0008509         0   0.33130E-07  454724.7 3770825.4   327.1     3.49     4.00
3.25     YES
 L0008510         0   0.33130E-07  454733.3 3770825.4   327.3     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:01:03

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008511         0   0.33130E-07  454741.9 3770825.3   327.5     3.49     4.00
3.25     YES
 L0008512         0   0.33130E-07  454750.5 3770825.3   327.6     3.49     4.00
3.25     YES
 L0008513         0   0.33130E-07  454759.1 3770825.2   327.6     3.49     4.00
3.25     YES
 L0008514         0   0.33130E-07  454767.7 3770825.2   327.6     3.49     4.00
3.25     YES
 L0008515         0   0.33130E-07  454776.3 3770825.1   327.6     3.49     4.00
3.25     YES
 L0008516         0   0.33130E-07  454784.9 3770825.1   327.6     3.49     4.00
3.25     YES
 L0008517         0   0.33130E-07  454793.5 3770825.0   327.6     3.49     4.00
3.25     YES
 L0008518         0   0.33130E-07  454802.0 3770825.0   327.6     3.49     4.00
3.25     YES
```

L0008519	0	0.33130E-07	454810.6	3770825.0	327.6	3.49	4.00	3.25 YES
L0008520	0	0.33130E-07	454819.2	3770824.9	327.7	3.49	4.00	3.25 YES
L0008521	0	0.33130E-07	454827.8	3770824.9	327.9	3.49	4.00	3.25 YES
L0008522	0	0.33130E-07	454836.4	3770824.8	328.0	3.49	4.00	3.25 YES
L0008523	0	0.33130E-07	454845.0	3770824.8	328.0	3.49	4.00	3.25 YES
L0008524	0	0.33130E-07	454853.6	3770824.7	328.0	3.49	4.00	3.25 YES
L0008525	0	0.33130E-07	454862.2	3770824.7	328.0	3.49	4.00	3.25 YES
L0008526	0	0.13270E-07	452771.1	3770809.8	322.5	3.49	4.00	3.25 YES
L0008527	0	0.13270E-07	452771.4	3770818.4	322.6	3.49	4.00	3.25 YES
L0008528	0	0.13270E-07	452771.7	3770827.0	322.7	3.49	4.00	3.25 YES
L0008529	0	0.13270E-07	452780.0	3770827.3	322.7	3.49	4.00	3.25 YES
L0008530	0	0.13270E-07	452788.6	3770827.3	322.7	3.49	4.00	3.25 YES
L0008531	0	0.13270E-07	452797.2	3770827.4	322.7	3.49	4.00	3.25 YES
L0008532	0	0.13270E-07	452805.8	3770827.4	322.7	3.49	4.00	3.25 YES
L0008533	0	0.13270E-07	452814.4	3770827.4	322.7	3.49	4.00	3.25 YES
L0008534	0	0.13270E-07	452823.0	3770827.5	322.7	3.49	4.00	3.25 YES
L0008535	0	0.13270E-07	452831.5	3770827.5	322.7	3.49	4.00	3.25 YES
L0008536	0	0.13270E-07	452840.1	3770827.5	322.7	3.49	4.00	3.25 YES
L0008537	0	0.13270E-07	452848.7	3770827.6	322.7	3.49	4.00	3.25 YES
L0008538	0	0.13270E-07	452857.3	3770827.6	322.7	3.49	4.00	3.25 YES
L0008539	0	0.13270E-07	452865.9	3770827.7	322.7	3.49	4.00	3.25 YES
L0008540	0	0.13270E-07	452874.5	3770827.7	322.7	3.49	4.00	3.25 YES
L0008541	0	0.13270E-07	452883.1	3770827.7	322.7	3.49	4.00	3.25 YES
L0008542	0	0.13270E-07	452891.7	3770827.8	322.7	3.49	4.00	3.25 YES

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 L0008543         0   0.13270E-07  452900.3 3770827.8   322.7     3.49     4.00
3.25     YES
 L0008544         0   0.13270E-07  452908.8 3770827.9   322.7     3.49     4.00
3.25     YES
 L0008545         0   0.13270E-07  452917.4 3770827.9   322.7     3.49     4.00
3.25     YES
 L0008546         0   0.13270E-07  452926.0 3770827.9   322.7     3.49     4.00
3.25     YES
 L0008547         0   0.13270E-07  452934.6 3770828.0   322.7     3.49     4.00
3.25     YES
 L0008548         0   0.13270E-07  452943.2 3770828.0   322.7     3.49     4.00
3.25     YES
 L0008549         0   0.13270E-07  452951.8 3770828.0   322.7     3.49     4.00
3.25     YES
 L0008550         0   0.13270E-07  452960.4 3770828.1   322.7     3.49     4.00
3.25     YES
```



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                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008551         0   0.13270E-07  452969.0 3770828.1   322.7     3.49     4.00
3.25     YES
 L0008552         0   0.13270E-07  452977.6 3770828.2   322.7     3.49     4.00
3.25     YES
 L0008553         0   0.13270E-07  452986.2 3770828.2   322.7     3.49     4.00
3.25     YES
 L0008554         0   0.13270E-07  452994.7 3770828.2   322.7     3.49     4.00
3.25     YES
 L0008555         0   0.13270E-07  453003.3 3770828.3   322.7     3.49     4.00
3.25     YES
 L0008556         0   0.13270E-07  453011.9 3770828.3   322.7     3.49     4.00
3.25     YES
```

L0008557	0	0.13270E-07	453020.5	3770828.4	322.7	3.49	4.00	3.25 YES
L0008558	0	0.13270E-07	453029.1	3770828.4	322.7	3.49	4.00	3.25 YES
L0008559	0	0.13270E-07	453037.7	3770828.4	322.7	3.49	4.00	3.25 YES
L0008560	0	0.13270E-07	453046.3	3770828.5	322.7	3.49	4.00	3.25 YES
L0008561	0	0.13270E-07	453054.9	3770828.5	322.7	3.49	4.00	3.25 YES
L0008562	0	0.13270E-07	453063.5	3770828.5	322.7	3.49	4.00	3.25 YES
L0008563	0	0.13270E-07	453072.1	3770828.6	322.7	3.49	4.00	3.25 YES
L0008564	0	0.13270E-07	453080.6	3770828.6	322.7	3.49	4.00	3.25 YES
L0008565	0	0.13270E-07	453089.2	3770828.7	322.7	3.49	4.00	3.25 YES
L0008566	0	0.13270E-07	453097.8	3770828.7	322.7	3.49	4.00	3.25 YES
L0008567	0	0.13270E-07	453106.4	3770828.7	322.7	3.49	4.00	3.25 YES
L0008568	0	0.13270E-07	453115.0	3770828.8	322.7	3.49	4.00	3.25 YES
L0008569	0	0.13270E-07	453123.6	3770828.8	322.7	3.49	4.00	3.25 YES
L0008570	0	0.13270E-07	453132.2	3770828.8	322.7	3.49	4.00	3.25 YES
L0008571	0	0.13270E-07	453140.8	3770828.9	322.7	3.49	4.00	3.25 YES
L0008572	0	0.13270E-07	453149.4	3770828.9	322.7	3.49	4.00	3.25 YES
L0008573	0	0.13270E-07	453158.0	3770829.0	322.7	3.49	4.00	3.25 YES
L0008574	0	0.13270E-07	453166.5	3770829.0	322.7	3.49	4.00	3.25 YES
L0008575	0	0.13270E-07	453175.1	3770829.0	322.7	3.49	4.00	3.25 YES
L0008576	0	0.13270E-07	453183.7	3770829.1	322.7	3.49	4.00	3.25 YES
L0008577	0	0.13270E-07	453192.3	3770829.1	322.7	3.49	4.00	3.25 YES
L0008578	0	0.13270E-07	453200.9	3770829.2	322.7	3.49	4.00	3.25 YES
L0008579	0	0.13270E-07	453209.5	3770829.2	322.8	3.49	4.00	3.25 YES
L0008580	0	0.13270E-07	453218.1	3770829.2	322.8	3.49	4.00	3.25 YES

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 L0008581         0   0.13270E-07  453226.7 3770829.3   322.9     3.49     4.00
3.25     YES
 L0008582         0   0.13270E-07  453235.3 3770829.3   322.9     3.49     4.00
3.25     YES
 L0008583         0   0.13270E-07  453243.9 3770829.3   323.0     3.49     4.00
3.25     YES
 L0008584         0   0.13270E-07  453252.4 3770829.4   323.2     3.49     4.00
3.25     YES
 L0008585         0   0.13270E-07  453261.0 3770829.4   323.4     3.49     4.00
3.25     YES
 L0008586         0   0.13270E-07  453269.6 3770829.5   323.6     3.49     4.00
3.25     YES
 L0008587         0   0.13270E-07  453278.2 3770829.5   323.8     3.49     4.00
3.25     YES
 L0008588         0   0.13270E-07  453286.8 3770829.5   323.7     3.49     4.00
3.25     YES
 L0008589         0   0.13270E-07  453295.4 3770829.6   323.5     3.49     4.00
3.25     YES
 L0008590         0   0.13270E-07  453304.0 3770829.6   323.4     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***       03/14/20
 *** AERMET - VERSION  16216 ***   ***
                       ***         15:01:03

                                   PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0008591         0   0.13270E-07  453312.6 3770829.7   323.3     3.49     4.00
3.25     YES
 L0008592         0   0.13270E-07  453321.2 3770829.7   323.5     3.49     4.00
3.25     YES
 L0008593         0   0.13270E-07  453329.8 3770829.7   323.7     3.49     4.00
3.25     YES
 L0008594         0   0.13270E-07  453338.3 3770829.8   323.9     3.49     4.00
3.25     YES
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L0008595	0	0.13270E-07	453346.9	3770829.8	324.1	3.49	4.00	3.25 YES
L0008596	0	0.13270E-07	453355.5	3770829.8	324.1	3.49	4.00	3.25 YES
L0008597	0	0.13270E-07	453364.1	3770829.7	324.2	3.49	4.00	3.25 YES
L0008598	0	0.13270E-07	453372.7	3770829.7	324.3	3.49	4.00	3.25 YES
L0008599	0	0.13270E-07	453381.3	3770829.7	324.4	3.49	4.00	3.25 YES
L0008600	0	0.13270E-07	453389.9	3770829.6	324.5	3.49	4.00	3.25 YES
L0008601	0	0.13270E-07	453398.5	3770829.6	324.6	3.49	4.00	3.25 YES
L0008602	0	0.13270E-07	453407.1	3770829.6	324.6	3.49	4.00	3.25 YES
L0008603	0	0.13270E-07	453415.7	3770829.6	324.6	3.49	4.00	3.25 YES
L0008604	0	0.13270E-07	453424.2	3770829.5	324.6	3.49	4.00	3.25 YES
L0008605	0	0.13270E-07	453432.8	3770829.5	324.6	3.49	4.00	3.25 YES
L0008606	0	0.13270E-07	453441.4	3770829.5	324.6	3.49	4.00	3.25 YES
L0008607	0	0.13270E-07	453450.0	3770829.4	324.6	3.49	4.00	3.25 YES
L0008608	0	0.13270E-07	453458.6	3770829.4	324.6	3.49	4.00	3.25 YES
L0008609	0	0.13270E-07	453467.2	3770829.4	324.6	3.49	4.00	3.25 YES
L0008610	0	0.13270E-07	453475.8	3770829.4	324.6	3.49	4.00	3.25 YES
L0008611	0	0.13270E-07	453484.4	3770829.3	324.6	3.49	4.00	3.25 YES
L0008612	0	0.13270E-07	453493.0	3770829.3	324.7	3.49	4.00	3.25 YES
L0008613	0	0.13270E-07	453501.6	3770829.3	324.7	3.49	4.00	3.25 YES
L0008614	0	0.13270E-07	453510.1	3770829.3	324.8	3.49	4.00	3.25 YES
L0008615	0	0.13270E-07	453518.7	3770829.2	324.9	3.49	4.00	3.25 YES
L0008616	0	0.13270E-07	453527.3	3770829.2	324.9	3.49	4.00	3.25 YES
L0008617	0	0.13270E-07	453535.9	3770829.2	324.9	3.49	4.00	3.25 YES
L0008618	0	0.13270E-07	453544.5	3770829.1	324.9	3.49	4.00	3.25 YES

 L0008619   0   0.13270E-07 453553.1 3770829.1   324.9   3.49   4.00
3.25   YES
 L0008620   0   0.13270E-07 453561.7 3770829.1   324.9   3.49   4.00
3.25   YES
 L0008621   0   0.13270E-07 453570.3 3770829.1   324.9   3.49   4.00
3.25   YES
 L0008622   0   0.13270E-07 453578.9 3770829.0   324.9   3.49   4.00
3.25   YES
 L0008623   0   0.13270E-07 453587.5 3770829.0   324.9   3.49   4.00
3.25   YES
 L0008624   0   0.13270E-07 453596.0 3770829.0   325.0   3.49   4.00
3.25   YES
 L0008625   0   0.13270E-07 453604.6 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008626   0   0.13270E-07 453613.2 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008627   0   0.13270E-07 453621.8 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008628   0   0.13270E-07 453630.4 3770828.9   325.0   3.49   4.00
3.25   YES
 L0008629   0   0.13270E-07 453639.0 3770828.8   325.0   3.49   4.00
3.25   YES
 L0008630   0   0.13270E-07 453647.6 3770828.8   324.9   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- -

 L0008631   0   0.13270E-07 453656.2 3770828.8   324.7   3.49   4.00
3.25   YES
 L0008632   0   0.13270E-07 453664.8 3770828.7   324.5   3.49   4.00
3.25   YES

L0008633	0	0.13270E-07	453673.4	3770828.7	324.5	3.49	4.00	3.25 YES
L0008634	0	0.13270E-07	453681.9	3770828.7	324.6	3.49	4.00	3.25 YES
L0008635	0	0.13270E-07	453690.5	3770828.7	324.7	3.49	4.00	3.25 YES
L0008636	0	0.13270E-07	453699.1	3770828.6	324.8	3.49	4.00	3.25 YES
L0008637	0	0.13270E-07	453707.7	3770828.6	324.9	3.49	4.00	3.25 YES
L0008638	0	0.13270E-07	453716.3	3770828.6	325.0	3.49	4.00	3.25 YES
L0008639	0	0.13270E-07	453724.9	3770828.5	325.2	3.49	4.00	3.25 YES
L0008640	0	0.13270E-07	453733.5	3770828.5	325.2	3.49	4.00	3.25 YES
L0008641	0	0.13270E-07	453742.1	3770828.5	325.2	3.49	4.00	3.25 YES
L0008642	0	0.13270E-07	453750.7	3770828.5	325.3	3.49	4.00	3.25 YES
L0008643	0	0.13270E-07	453759.3	3770828.4	325.3	3.49	4.00	3.25 YES
L0008644	0	0.13270E-07	453767.8	3770828.4	325.3	3.49	4.00	3.25 YES
L0008645	0	0.13270E-07	453776.4	3770828.4	325.3	3.49	4.00	3.25 YES
L0008646	0	0.13270E-07	453785.0	3770828.3	325.3	3.49	4.00	3.25 YES
L0008647	0	0.13270E-07	453793.6	3770828.3	324.6	3.49	4.00	3.25 YES
L0008648	0	0.13270E-07	453802.2	3770828.3	324.4	3.49	4.00	3.25 YES
L0008649	0	0.13270E-07	453810.8	3770828.3	324.2	3.49	4.00	3.25 YES
L0008650	0	0.13270E-07	453819.4	3770828.2	324.0	3.49	4.00	3.25 YES
L0008651	0	0.13270E-07	453828.0	3770828.2	324.0	3.49	4.00	3.25 YES
L0008652	0	0.13270E-07	453836.6	3770828.2	324.0	3.49	4.00	3.25 YES
L0008653	0	0.13270E-07	453845.2	3770828.1	324.0	3.49	4.00	3.25 YES
L0008654	0	0.13270E-07	453853.7	3770828.1	324.1	3.49	4.00	3.25 YES
L0008655	0	0.13270E-07	453862.3	3770828.1	324.3	3.49	4.00	3.25 YES
L0008656	0	0.13270E-07	453870.9	3770828.1	324.5	3.49	4.00	3.25 YES

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 L0008657         0   0.13270E-07  453879.5 3770828.0   324.7     3.49     4.00
3.25     YES
 L0008658         0   0.13270E-07  453888.1 3770828.0   324.7     3.49     4.00
3.25     YES
 L0008659         0   0.13270E-07  453896.7 3770828.0   324.7     3.49     4.00
3.25     YES
 L0008660         0   0.13270E-07  453905.3 3770828.0   324.7     3.49     4.00
3.25     YES
 L0008661         0   0.13270E-07  453913.9 3770827.9   324.7     3.49     4.00
3.25     YES
 L0008662         0   0.13270E-07  453922.5 3770827.9   324.7     3.49     4.00
3.25     YES
 L0008663         0   0.13270E-07  453931.1 3770827.9   324.7     3.49     4.00
3.25     YES
 L0008664         0   0.13270E-07  453939.6 3770827.8   324.7     3.49     4.00
3.25     YES
 L0008665         0   0.13270E-07  453948.2 3770827.8   324.7     3.49     4.00
3.25     YES
 L0008666         0   0.13270E-07  453956.8 3770827.8   324.7     3.49     4.00
3.25     YES
 L0008667         0   0.13270E-07  453965.4 3770827.8   324.7     3.49     4.00
3.25     YES
 L0008668         0   0.13270E-07  453974.0 3770827.7   324.7     3.49     4.00
3.25     YES
 L0008669         0   0.13270E-07  453982.6 3770827.7   324.7     3.49     4.00
3.25     YES
 L0008670         0   0.13270E-07  453991.2 3770827.7   324.7     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***       03/14/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:01:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0008671	0	0.13270E-07	453999.8	3770827.6	324.7	3.49	4.00	3.25 YES
L0008672	0	0.13270E-07	454008.4	3770827.6	324.7	3.49	4.00	3.25 YES
L0008673	0	0.13270E-07	454017.0	3770827.6	324.7	3.49	4.00	3.25 YES
L0008674	0	0.13270E-07	454025.5	3770827.6	324.7	3.49	4.00	3.25 YES
L0008675	0	0.13270E-07	454034.1	3770827.5	324.8	3.49	4.00	3.25 YES
L0008676	0	0.13270E-07	454042.7	3770827.5	324.8	3.49	4.00	3.25 YES
L0008677	0	0.13270E-07	454051.3	3770827.5	324.9	3.49	4.00	3.25 YES
L0008678	0	0.13270E-07	454059.9	3770827.4	325.0	3.49	4.00	3.25 YES
L0008679	0	0.13270E-07	454068.5	3770827.4	325.0	3.49	4.00	3.25 YES
L0008680	0	0.13270E-07	454077.1	3770827.4	325.0	3.49	4.00	3.25 YES
L0008681	0	0.13270E-07	454085.7	3770827.4	325.0	3.49	4.00	3.25 YES
L0008682	0	0.13270E-07	454094.3	3770827.3	325.0	3.49	4.00	3.25 YES
L0008683	0	0.13270E-07	454102.9	3770827.3	325.0	3.49	4.00	3.25 YES
L0008684	0	0.13270E-07	454111.4	3770827.3	325.0	3.49	4.00	3.25 YES
L0008685	0	0.13270E-07	454120.0	3770827.2	325.0	3.49	4.00	3.25 YES
L0008686	0	0.13270E-07	454128.6	3770827.2	325.0	3.49	4.00	3.25 YES
L0008687	0	0.13270E-07	454137.2	3770827.2	325.0	3.49	4.00	3.25 YES
L0008688	0	0.13270E-07	454145.8	3770827.2	325.0	3.49	4.00	3.25 YES
L0008689	0	0.13270E-07	454154.4	3770827.1	325.0	3.49	4.00	3.25 YES
L0008690	0	0.13270E-07	454163.0	3770827.1	325.0	3.49	4.00	3.25 YES
L0008691	0	0.13270E-07	454171.6	3770827.1	325.0	3.49	4.00	3.25 YES
L0008692	0	0.13270E-07	454180.2	3770827.0	325.0	3.49	4.00	3.25 YES
L0008693	0	0.13270E-07	454188.8	3770827.0	324.9	3.49	4.00	3.25 YES
L0008694	0	0.13270E-07	454197.3	3770827.0	324.8	3.49	4.00	3.25 YES

L0008695	0	0.13270E-07	454205.9	3770827.0	324.7	3.49	4.00	3.25 YES
L0008696	0	0.13270E-07	454214.5	3770826.9	324.7	3.49	4.00	3.25 YES
L0008697	0	0.13270E-07	454223.1	3770826.9	324.7	3.49	4.00	3.25 YES
L0008698	0	0.13270E-07	454231.7	3770826.9	324.7	3.49	4.00	3.25 YES
L0008699	0	0.13270E-07	454240.3	3770826.9	324.7	3.49	4.00	3.25 YES
L0008700	0	0.13270E-07	454248.9	3770826.8	324.7	3.49	4.00	3.25 YES
L0008701	0	0.13270E-07	454257.5	3770826.8	324.7	3.49	4.00	3.25 YES
L0008702	0	0.13270E-07	454266.1	3770826.8	324.7	3.49	4.00	3.25 YES
L0008703	0	0.13270E-07	454274.6	3770826.7	324.7	3.49	4.00	3.25 YES
L0008704	0	0.13270E-07	454283.2	3770826.7	324.7	3.49	4.00	3.25 YES
L0008705	0	0.13270E-07	454291.8	3770826.7	324.7	3.49	4.00	3.25 YES
L0008706	0	0.13270E-07	454300.4	3770826.7	324.7	3.49	4.00	3.25 YES
L0008707	0	0.13270E-07	454309.0	3770826.6	324.7	3.49	4.00	3.25 YES
L0008708	0	0.13270E-07	454317.6	3770826.6	324.7	3.49	4.00	3.25 YES
L0008709	0	0.13270E-07	454326.2	3770826.6	324.7	3.49	4.00	3.25 YES
L0008710	0	0.13270E-07	454334.8	3770826.5	324.7	3.49	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY

(METERS) BY
- -

L0008711	0	0.13270E-07	454343.4	3770826.5	324.8	3.49	4.00	3.25	YES
L0008712	0	0.13270E-07	454352.0	3770826.5	324.9	3.49	4.00	3.25	YES
L0008713	0	0.13270E-07	454360.5	3770826.5	325.0	3.49	4.00	3.25	YES
L0008714	0	0.13270E-07	454369.1	3770826.4	325.2	3.49	4.00	3.25	YES
L0008715	0	0.13270E-07	454377.7	3770826.4	325.4	3.49	4.00	3.25	YES
L0008716	0	0.13270E-07	454386.3	3770826.4	325.6	3.49	4.00	3.25	YES
L0008717	0	0.13270E-07	454394.9	3770826.3	325.7	3.49	4.00	3.25	YES
L0008718	0	0.13270E-07	454403.5	3770826.3	325.7	3.49	4.00	3.25	YES
L0008719	0	0.13270E-07	454412.1	3770826.3	325.7	3.49	4.00	3.25	YES
L0008720	0	0.13270E-07	454420.7	3770826.3	325.7	3.49	4.00	3.25	YES
L0008721	0	0.13270E-07	454429.3	3770826.2	325.7	3.49	4.00	3.25	YES
L0008722	0	0.13270E-07	454437.9	3770826.2	325.7	3.49	4.00	3.25	YES
L0008723	0	0.13270E-07	454446.4	3770826.2	325.7	3.49	4.00	3.25	YES
L0008724	0	0.13270E-07	454455.0	3770826.1	325.7	3.49	4.00	3.25	YES
L0008725	0	0.13270E-07	454463.6	3770826.1	325.8	3.49	4.00	3.25	YES
L0008726	0	0.13270E-07	454472.2	3770826.1	325.9	3.49	4.00	3.25	YES
L0008727	0	0.13270E-07	454480.8	3770826.1	326.0	3.49	4.00	3.25	YES
L0008728	0	0.13270E-07	454489.4	3770826.0	326.0	3.49	4.00	3.25	YES
L0008729	0	0.13270E-07	454498.0	3770826.0	326.0	3.49	4.00	3.25	YES
L0008730	0	0.13270E-07	454506.6	3770826.0	326.0	3.49	4.00	3.25	YES
L0008731	0	0.13270E-07	454515.2	3770825.9	326.0	3.49	4.00	3.25	YES
L0008732	0	0.13270E-07	454523.8	3770825.9	326.0	3.49	4.00	3.25	YES

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 L0008733         0   0.13270E-07  454532.3 3770825.9   326.0     3.49     4.00
3.25     YES
 L0008734         0   0.13270E-07  454540.9 3770825.9   326.0     3.49     4.00
3.25     YES
 L0008735         0   0.13270E-07  454549.5 3770825.8   326.2     3.49     4.00
3.25     YES
 L0008736         0   0.13270E-07  454558.1 3770825.8   326.4     3.49     4.00
3.25     YES
 L0008737         0   0.13270E-07  454566.7 3770825.8   326.6     3.49     4.00
3.25     YES
 L0008738         0   0.13270E-07  454575.3 3770825.7   326.7     3.49     4.00
3.25     YES
 L0008739         0   0.13270E-07  454583.9 3770825.7   326.7     3.49     4.00
3.25     YES
 L0008740         0   0.13270E-07  454592.5 3770825.7   326.6     3.49     4.00
3.25     YES
 L0008741         0   0.13270E-07  454601.1 3770825.7   326.6     3.49     4.00
3.25     YES
 L0008742         0   0.13270E-07  454609.7 3770825.6   326.6     3.49     4.00
3.25     YES
 L0008743         0   0.13270E-07  454618.2 3770825.6   326.6     3.49     4.00
3.25     YES
 L0008744         0   0.13270E-07  454626.8 3770825.6   326.6     3.49     4.00
3.25     YES
 L0008745         0   0.13270E-07  454635.4 3770825.6   326.7     3.49     4.00
3.25     YES
 L0008746         0   0.13270E-07  454644.0 3770825.5   326.8     3.49     4.00
3.25     YES
 L0008747         0   0.13270E-07  454652.6 3770825.5   326.9     3.49     4.00
3.25     YES
 L0008748         0   0.13270E-07  454661.2 3770825.5   327.0     3.49     4.00
3.25     YES
 L0008749         0   0.13270E-07  454669.8 3770825.4   327.0     3.49     4.00
3.25     YES
 L0008750         0   0.13270E-07  454678.4 3770825.4   327.0     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:01:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
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INIT. SOURCE SZ ID	URBAN PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	
L0008751	0	0.13270E-07	454687.0	3770825.4	327.0	3.49	4.00	3.25 YES
L0008752	0	0.13270E-07	454695.6	3770825.4	327.0	3.49	4.00	3.25 YES
L0008753	0	0.13270E-07	454704.1	3770825.3	327.0	3.49	4.00	3.25 YES
L0008754	0	0.13270E-07	454712.7	3770825.3	327.0	3.49	4.00	3.25 YES
L0008755	0	0.13270E-07	454721.3	3770825.3	327.0	3.49	4.00	3.25 YES
L0008756	0	0.13270E-07	454729.9	3770825.2	327.2	3.49	4.00	3.25 YES
L0008757	0	0.13270E-07	454738.5	3770825.2	327.4	3.49	4.00	3.25 YES
L0008758	0	0.13270E-07	454747.1	3770825.2	327.6	3.49	4.00	3.25 YES
L0008759	0	0.13270E-07	454755.7	3770825.2	327.6	3.49	4.00	3.25 YES
L0008760	0	0.13270E-07	454764.3	3770825.1	327.6	3.49	4.00	3.25 YES
L0008761	0	0.13270E-07	454772.9	3770825.1	327.6	3.49	4.00	3.25 YES
L0008762	0	0.13270E-07	454781.5	3770825.1	327.6	3.49	4.00	3.25 YES
L0008763	0	0.13270E-07	454790.0	3770825.0	327.6	3.49	4.00	3.25 YES
L0008764	0	0.13270E-07	454798.6	3770825.0	327.6	3.49	4.00	3.25 YES
L0008765	0	0.13270E-07	454807.2	3770825.0	327.6	3.49	4.00	3.25 YES
L0008766	0	0.13270E-07	454815.8	3770825.0	327.7	3.49	4.00	3.25 YES
L0008767	0	0.13270E-07	454824.4	3770824.9	327.8	3.49	4.00	3.25 YES
L0008768	0	0.13270E-07	454833.0	3770824.9	327.9	3.49	4.00	3.25 YES
L0008769	0	0.13270E-07	454841.6	3770824.9	328.0	3.49	4.00	3.25 YES
L0008770	0	0.13270E-07	454850.2	3770824.8	328.0	3.49	4.00	3.25 YES

L0008771	0	0.13270E-07	454858.8	3770824.8	328.0	3.49	4.00	3.25 YES
L0008772	0	0.86170E-07	452770.8	3770810.6	322.5	3.49	4.00	3.25 YES
L0008773	0	0.86170E-07	452770.7	3770819.2	322.6	3.49	4.00	3.25 YES
L0008774	0	0.86170E-07	452770.5	3770827.8	322.7	3.49	4.00	3.25 YES
L0008775	0	0.86170E-07	452770.3	3770836.4	322.8	3.49	4.00	3.25 YES
L0008776	0	0.86170E-07	452770.0	3770844.9	323.0	3.49	4.00	3.25 YES
L0008777	0	0.86170E-07	452761.4	3770844.8	322.9	3.49	4.00	3.25 YES
L0008778	0	0.86170E-07	452752.8	3770844.8	322.9	3.49	4.00	3.25 YES
L0008779	0	0.86170E-07	452744.2	3770844.7	322.9	3.49	4.00	3.25 YES
L0008780	0	0.86170E-07	452735.6	3770844.7	322.9	3.49	4.00	3.25 YES
L0008781	0	0.86170E-07	452727.0	3770844.6	322.9	3.49	4.00	3.25 YES
L0008782	0	0.86170E-07	452718.4	3770844.6	322.9	3.49	4.00	3.25 YES
L0008783	0	0.86170E-07	452709.9	3770844.6	322.9	3.49	4.00	3.25 YES
L0008784	0	0.86170E-07	452701.3	3770844.5	322.9	3.49	4.00	3.25 YES
L0008785	0	0.86170E-07	452692.7	3770844.5	322.9	3.49	4.00	3.25 YES
L0008786	0	0.86170E-07	452684.1	3770844.4	322.9	3.49	4.00	3.25 YES
L0008787	0	0.86170E-07	452675.5	3770844.4	322.8	3.49	4.00	3.25 YES
L0008788	0	0.86170E-07	452666.9	3770844.3	322.8	3.49	4.00	3.25 YES
L0008789	0	0.86170E-07	452658.3	3770844.3	322.7	3.49	4.00	3.25 YES
L0008790	0	0.86170E-07	452649.7	3770844.2	322.6	3.49	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY
L0008791	0	0.86170E-07	452641.1	3770844.2	322.5	3.49	4.00	3.25	YES
L0008792	0	0.86170E-07	452632.5	3770844.1	322.3	3.49	4.00	3.25	YES
L0008793	0	0.86170E-07	452624.0	3770844.1	322.1	3.49	4.00	3.25	YES
L0008794	0	0.86170E-07	452615.4	3770844.0	322.0	3.49	4.00	3.25	YES
L0008795	0	0.86170E-07	452606.8	3770844.0	321.9	3.49	4.00	3.25	YES
L0008796	0	0.86170E-07	452598.2	3770843.9	321.8	3.49	4.00	3.25	YES
L0008797	0	0.86170E-07	452589.6	3770843.9	321.7	3.49	4.00	3.25	YES
L0008798	0	0.86170E-07	452581.0	3770843.8	321.6	3.49	4.00	3.25	YES
L0008799	0	0.86170E-07	452572.4	3770843.8	321.5	3.49	4.00	3.25	YES
L0008800	0	0.86170E-07	452563.8	3770843.8	321.4	3.49	4.00	3.25	YES
L0008801	0	0.86170E-07	452555.2	3770843.7	321.3	3.49	4.00	3.25	YES
L0008802	0	0.86170E-07	452546.6	3770843.7	321.2	3.49	4.00	3.25	YES
L0008803	0	0.86170E-07	452538.1	3770843.6	321.0	3.49	4.00	3.25	YES
L0008804	0	0.86170E-07	452529.5	3770843.6	320.9	3.49	4.00	3.25	YES
L0008805	0	0.86170E-07	452520.9	3770843.5	320.8	3.49	4.00	3.25	YES
L0008806	0	0.86170E-07	452512.3	3770843.5	320.7	3.49	4.00	3.25	YES
L0008807	0	0.86170E-07	452503.7	3770843.4	320.6	3.49	4.00	3.25	YES
L0008808	0	0.86170E-07	452495.1	3770843.4	320.6	3.49	4.00	3.25	YES

L0008809	0	0.86170E-07	452486.5	3770843.3	320.8	3.49	4.00	3.25 YES
L0008810	0	0.86170E-07	452477.9	3770843.3	320.9	3.49	4.00	3.25 YES
L0008811	0	0.86170E-07	452469.3	3770843.2	321.0	3.49	4.00	3.25 YES
L0008812	0	0.86170E-07	452460.7	3770843.2	321.0	3.49	4.00	3.25 YES
L0008813	0	0.86170E-07	452452.2	3770843.1	320.9	3.49	4.00	3.25 YES
L0008814	0	0.86170E-07	452443.6	3770843.1	320.9	3.49	4.00	3.25 YES
L0008815	0	0.86170E-07	452435.0	3770843.0	320.9	3.49	4.00	3.25 YES
L0008816	0	0.86170E-07	452426.4	3770843.0	321.0	3.49	4.00	3.25 YES
L0008817	0	0.86170E-07	452417.8	3770843.0	321.0	3.49	4.00	3.25 YES
L0008818	0	0.86170E-07	452409.2	3770842.9	321.1	3.49	4.00	3.25 YES
L0008819	0	0.86170E-07	452400.6	3770842.8	321.1	3.49	4.00	3.25 YES
L0008820	0	0.86170E-07	452392.0	3770842.8	321.1	3.49	4.00	3.25 YES
L0008821	0	0.86170E-07	452383.4	3770842.7	321.1	3.49	4.00	3.25 YES
L0008822	0	0.86170E-07	452374.9	3770842.6	321.1	3.49	4.00	3.25 YES
L0008823	0	0.86170E-07	452366.3	3770842.5	321.2	3.49	4.00	3.25 YES
L0008824	0	0.86170E-07	452357.7	3770842.5	321.3	3.49	4.00	3.25 YES
L0008825	0	0.86170E-07	452349.1	3770842.4	321.3	3.49	4.00	3.25 YES
L0008826	0	0.86170E-07	452340.5	3770842.3	321.1	3.49	4.00	3.25 YES
L0008827	0	0.86170E-07	452331.9	3770842.2	320.8	3.49	4.00	3.25 YES
L0008828	0	0.86170E-07	452323.3	3770842.2	320.6	3.49	4.00	3.25 YES
L0008829	0	0.86170E-07	452314.7	3770842.1	320.4	3.49	4.00	3.25 YES
L0008830	0	0.86170E-07	452306.1	3770842.0	320.3	3.49	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0008831	0	0.86170E-07	452297.5	3770841.9	320.2	3.49	4.00	3.25	YES	
L0008832	0	0.86170E-07	452289.0	3770841.9	320.0	3.49	4.00	3.25	YES	
L0008833	0	0.86170E-07	452280.4	3770841.8	320.0	3.49	4.00	3.25	YES	
L0008834	0	0.86170E-07	452271.8	3770841.7	319.9	3.49	4.00	3.25	YES	
L0008835	0	0.86170E-07	452263.2	3770841.6	319.9	3.49	4.00	3.25	YES	
L0008836	0	0.86170E-07	452254.6	3770841.6	319.8	3.49	4.00	3.25	YES	
L0008837	0	0.86170E-07	452246.0	3770841.5	319.8	3.49	4.00	3.25	YES	
L0008838	0	0.86170E-07	452237.4	3770841.4	319.8	3.49	4.00	3.25	YES	
L0008839	0	0.86170E-07	452228.8	3770841.3	319.8	3.49	4.00	3.25	YES	
L0008840	0	0.86170E-07	452220.2	3770841.2	319.8	3.49	4.00	3.25	YES	
L0008841	0	0.86170E-07	452211.6	3770841.2	319.8	3.49	4.00	3.25	YES	
L0008842	0	0.86170E-07	452203.1	3770841.1	319.8	3.49	4.00	3.25	YES	
L0008843	0	0.86170E-07	452194.5	3770841.0	319.8	3.49	4.00	3.25	YES	
L0008844	0	0.86170E-07	452185.9	3770840.9	319.8	3.49	4.00	3.25	YES	
L0008845	0	0.86170E-07	452177.3	3770840.9	319.8	3.49	4.00	3.25	YES	
L0008846	0	0.86170E-07	452168.7	3770840.8	319.8	3.49	4.00	3.25	YES	

L0008847	0	0.86170E-07	452160.1	3770840.7	319.8	3.49	4.00	3.25 YES
L0008848	0	0.86170E-07	452151.5	3770840.6	319.8	3.49	4.00	3.25 YES
L0008849	0	0.86170E-07	452142.9	3770840.6	319.8	3.49	4.00	3.25 YES
L0008850	0	0.86170E-07	452134.3	3770840.5	319.8	3.49	4.00	3.25 YES
L0008851	0	0.86170E-07	452125.8	3770840.4	319.8	3.49	4.00	3.25 YES
L0008852	0	0.86170E-07	452117.2	3770840.3	319.8	3.49	4.00	3.25 YES
L0008853	0	0.86170E-07	452108.6	3770840.3	319.8	3.49	4.00	3.25 YES
L0008854	0	0.86170E-07	452100.0	3770840.2	319.8	3.49	4.00	3.25 YES
L0008855	0	0.86170E-07	452091.4	3770840.1	319.8	3.49	4.00	3.25 YES
L0008856	0	0.86170E-07	452082.8	3770840.0	319.8	3.49	4.00	3.25 YES
L0008857	0	0.86170E-07	452074.2	3770840.0	319.8	3.49	4.00	3.25 YES
L0008858	0	0.86170E-07	452065.6	3770839.9	319.8	3.49	4.00	3.25 YES
L0008859	0	0.86170E-07	452057.0	3770839.8	319.8	3.49	4.00	3.25 YES
L0008860	0	0.86170E-07	452048.4	3770839.7	319.8	3.49	4.00	3.25 YES
L0008861	0	0.86170E-07	452039.9	3770839.7	319.8	3.49	4.00	3.25 YES
L0008862	0	0.86170E-07	452031.3	3770839.6	319.8	3.49	4.00	3.25 YES
L0008863	0	0.86170E-07	452022.7	3770839.6	319.8	3.49	4.00	3.25 YES
L0008864	0	0.86170E-07	452014.1	3770839.7	319.8	3.49	4.00	3.25 YES
L0008865	0	0.86170E-07	452005.5	3770839.8	319.8	3.49	4.00	3.25 YES
L0008866	0	0.86170E-07	451996.9	3770839.9	319.8	3.49	4.00	3.25 YES
L0008867	0	0.86170E-07	451988.3	3770840.0	319.8	3.49	4.00	3.25 YES
L0008868	0	0.86170E-07	451979.7	3770840.1	319.9	3.49	4.00	3.25 YES
L0008869	0	0.86170E-07	451971.1	3770840.2	319.9	3.49	4.00	3.25 YES
L0008870	0	0.86170E-07	451962.5	3770840.3	320.0	3.49	4.00	3.25 YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0008871	0	0.86170E-07	451954.0	3770840.3	319.9	3.49	4.00	3.25	YES	
L0008872	0	0.86170E-07	451945.4	3770840.4	319.7	3.49	4.00	3.25	YES	
L0008873	0	0.86170E-07	451936.8	3770840.5	319.6	3.49	4.00	3.25	YES	
L0008874	0	0.86170E-07	451928.2	3770840.6	319.4	3.49	4.00	3.25	YES	
L0008875	0	0.86170E-07	451919.6	3770840.7	319.2	3.49	4.00	3.25	YES	
L0008876	0	0.86170E-07	451911.0	3770840.8	319.1	3.49	4.00	3.25	YES	
L0008877	0	0.86170E-07	451902.4	3770840.9	318.9	3.49	4.00	3.25	YES	
L0008878	0	0.86170E-07	451893.8	3770841.0	318.8	3.49	4.00	3.25	YES	
L0008879	0	0.86170E-07	451885.2	3770841.1	318.7	3.49	4.00	3.25	YES	
L0008880	0	0.86170E-07	451876.7	3770841.2	318.6	3.49	4.00	3.25	YES	
L0008881	0	0.86170E-07	451868.1	3770841.3	318.6	3.49	4.00	3.25	YES	
L0008882	0	0.86170E-07	451859.5	3770841.4	318.5	3.49	4.00	3.25	YES	
L0008883	0	0.86170E-07	451850.9	3770841.5	318.4	3.49	4.00	3.25	YES	
L0008884	0	0.86170E-07	451842.3	3770841.6	318.3	3.49	4.00	3.25	YES	

L0008885	0	0.86170E-07	451833.7	3770841.6	318.2	3.49	4.00	3.25 YES
L0008886	0	0.86170E-07	451825.1	3770841.7	318.1	3.49	4.00	3.25 YES
L0008887	0	0.86170E-07	451816.5	3770841.8	318.0	3.49	4.00	3.25 YES
L0008888	0	0.86170E-07	451807.9	3770841.9	318.0	3.49	4.00	3.25 YES
L0008889	0	0.86170E-07	451799.3	3770842.0	318.0	3.49	4.00	3.25 YES
L0008890	0	0.86170E-07	451790.8	3770842.1	318.0	3.49	4.00	3.25 YES
L0008891	0	0.86170E-07	451782.2	3770842.2	318.0	3.49	4.00	3.25 YES
L0008892	0	0.86170E-07	451773.6	3770842.3	317.9	3.49	4.00	3.25 YES
L0008893	0	0.86170E-07	451765.0	3770842.4	317.9	3.49	4.00	3.25 YES
L0008894	0	0.86170E-07	451756.4	3770842.5	317.8	3.49	4.00	3.25 YES
L0008895	0	0.86170E-07	451747.8	3770842.6	317.7	3.49	4.00	3.25 YES
L0008896	0	0.86170E-07	451739.2	3770842.7	317.7	3.49	4.00	3.25 YES
L0008897	0	0.86170E-07	451730.6	3770842.8	317.7	3.49	4.00	3.25 YES
L0008898	0	0.86170E-07	451722.0	3770842.9	317.7	3.49	4.00	3.25 YES
L0008899	0	0.86170E-07	451713.5	3770842.9	317.7	3.49	4.00	3.25 YES
L0008900	0	0.86170E-07	451704.9	3770843.0	317.7	3.49	4.00	3.25 YES
L0008901	0	0.86170E-07	451696.3	3770843.1	317.7	3.49	4.00	3.25 YES
L0008902	0	0.86170E-07	451687.7	3770843.2	317.7	3.49	4.00	3.25 YES
L0008903	0	0.86170E-07	451679.1	3770843.3	317.7	3.49	4.00	3.25 YES
L0008904	0	0.86170E-07	451670.5	3770843.4	317.7	3.49	4.00	3.25 YES
L0008905	0	0.86170E-07	451661.9	3770843.5	317.7	3.49	4.00	3.25 YES
L0008906	0	0.86170E-07	451653.3	3770843.6	317.7	3.49	4.00	3.25 YES
L0008907	0	0.86170E-07	451644.7	3770843.6	317.7	3.49	4.00	3.25 YES
L0008908	0	0.86170E-07	451643.9	3770835.8	317.6	3.49	4.00	3.25 YES

```
 L0008909         0   0.86170E-07  451643.8 3770827.2   317.4     3.49     4.00
3.25     YES
 L0008910         0   0.86170E-07  451643.8 3770818.6   317.2     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 L0008911         0   0.86170E-07  451643.7 3770810.0   317.1     3.49     4.00
3.25     YES
 L0008912         0   0.86170E-07  451643.6 3770801.4   316.9     3.49     4.00
3.25     YES
 L0008913         0   0.86170E-07  451643.6 3770792.8   316.9     3.49     4.00
3.25     YES
 L0008914         0   0.86170E-07  451643.5 3770784.2   316.8     3.49     4.00
3.25     YES
 L0008915         0   0.86170E-07  451643.4 3770775.6   316.7     3.49     4.00
3.25     YES
 L0008916         0   0.86170E-07  451643.4 3770767.0   316.6     3.49     4.00
3.25     YES
 L0008917         0   0.86170E-07  451643.3 3770758.5   316.5     3.49     4.00
3.25     YES
 L0008918         0   0.86170E-07  451643.2 3770749.9   316.4     3.49     4.00
3.25     YES
 L0008919         0   0.86170E-07  451643.2 3770741.3   316.3     3.49     4.00
3.25     YES
 L0008920         0   0.86170E-07  451643.1 3770732.7   316.1     3.49     4.00
3.25     YES
 L0008921         0   0.86170E-07  451643.0 3770724.1   315.9     3.49     4.00
3.25     YES
 L0008922         0   0.86170E-07  451643.0 3770715.5   315.8     3.49     4.00
3.25     YES
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L0008923	0	0.86170E-07	451642.9	3770706.9	315.6	3.49	4.00	3.25 YES
L0008924	0	0.86170E-07	451642.8	3770698.3	315.5	3.49	4.00	3.25 YES
L0008925	0	0.86170E-07	451642.8	3770689.7	315.4	3.49	4.00	3.25 YES
L0008926	0	0.86170E-07	451642.7	3770681.1	315.2	3.49	4.00	3.25 YES
L0008927	0	0.86170E-07	451642.6	3770672.6	315.0	3.49	4.00	3.25 YES
L0008928	0	0.86170E-07	451642.6	3770664.0	314.8	3.49	4.00	3.25 YES
L0008929	0	0.86170E-07	451642.5	3770655.4	314.7	3.49	4.00	3.25 YES
L0008930	0	0.86170E-07	451642.4	3770646.8	314.6	3.49	4.00	3.25 YES
L0008931	0	0.86170E-07	451642.3	3770638.2	314.5	3.49	4.00	3.25 YES
L0008932	0	0.86170E-07	451642.3	3770629.6	314.4	3.49	4.00	3.25 YES
L0008933	0	0.86170E-07	451642.2	3770621.0	314.4	3.49	4.00	3.25 YES
L0008934	0	0.86170E-07	451642.1	3770612.4	314.3	3.49	4.00	3.25 YES
L0008935	0	0.86170E-07	451642.1	3770603.8	314.3	3.49	4.00	3.25 YES
L0008936	0	0.86170E-07	451642.0	3770595.2	314.2	3.49	4.00	3.25 YES
L0008937	0	0.86170E-07	451641.9	3770586.7	314.2	3.49	4.00	3.25 YES
L0008938	0	0.86170E-07	451641.9	3770578.1	314.2	3.49	4.00	3.25 YES
L0008939	0	0.86170E-07	451641.8	3770569.5	314.1	3.49	4.00	3.25 YES
L0008940	0	0.86170E-07	451641.7	3770560.9	314.1	3.49	4.00	3.25 YES
L0008941	0	0.86170E-07	451641.7	3770552.3	314.0	3.49	4.00	3.25 YES
L0008942	0	0.86170E-07	451641.6	3770543.7	313.9	3.49	4.00	3.25 YES
L0008943	0	0.86170E-07	451641.5	3770535.1	313.8	3.49	4.00	3.25 YES
L0008944	0	0.86170E-07	451641.5	3770526.5	313.7	3.49	4.00	3.25 YES
L0008945	0	0.86170E-07	451641.4	3770517.9	313.5	3.49	4.00	3.25 YES
L0008946	0	0.86170E-07	451641.3	3770509.4	313.4	3.49	4.00	3.25 YES

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 L0008947         0   0.86170E-07  451641.3 3770500.8   313.3     3.49     4.00
3.25     YES
 L0008948         0   0.86170E-07  451641.2 3770492.2   313.2     3.49     4.00
3.25     YES
 L0008949         0   0.86170E-07  451641.1 3770483.6   313.1     3.49     4.00
3.25     YES
 L0008950         0   0.86170E-07  451641.1 3770475.0   313.0     3.49     4.00
3.25     YES
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008951	0	0.86170E-07	451641.0	3770466.4	312.9	3.49	4.00	3.25	YES	
L0008952	0	0.86170E-07	451640.9	3770457.8	312.8	3.49	4.00	3.25	YES	
L0008953	0	0.86170E-07	451640.9	3770449.2	312.8	3.49	4.00	3.25	YES	
L0008954	0	0.86170E-07	451640.8	3770440.6	312.7	3.49	4.00	3.25	YES	
L0008955	0	0.86170E-07	451640.7	3770432.0	312.6	3.49	4.00	3.25	YES	
L0008956	0	0.86170E-07	451640.7	3770423.5	312.5	3.49	4.00	3.25	YES	
L0008957	0	0.86170E-07	451640.6	3770414.9	312.4	3.49	4.00	3.25	YES	
L0008958	0	0.86170E-07	451640.5	3770406.3	312.3	3.49	4.00	3.25	YES	
L0008959	0	0.86170E-07	451640.5	3770397.7	312.2	3.49	4.00	3.25	YES	
L0008960	0	0.86170E-07	451640.4	3770389.1	312.1	3.49	4.00	3.25	YES	

L0008961	0	0.86170E-07	451640.3	3770380.5	312.1	3.49	4.00	3.25 YES
L0008962	0	0.86170E-07	451640.3	3770371.9	312.0	3.49	4.00	3.25 YES
L0008963	0	0.86170E-07	451640.2	3770363.3	311.9	3.49	4.00	3.25 YES
L0008964	0	0.86170E-07	451640.1	3770354.7	311.8	3.49	4.00	3.25 YES
L0008965	0	0.86170E-07	451640.1	3770346.1	311.6	3.49	4.00	3.25 YES
L0008966	0	0.86170E-07	451640.0	3770337.6	311.4	3.49	4.00	3.25 YES
L0008967	0	0.86170E-07	451639.9	3770329.0	311.2	3.49	4.00	3.25 YES
L0008968	0	0.86170E-07	451639.9	3770320.4	311.1	3.49	4.00	3.25 YES
L0008969	0	0.86170E-07	451639.8	3770311.8	311.1	3.49	4.00	3.25 YES
L0008970	0	0.86170E-07	451639.7	3770303.2	311.0	3.49	4.00	3.25 YES
L0008971	0	0.86170E-07	451639.7	3770294.6	310.9	3.49	4.00	3.25 YES
L0008972	0	0.86170E-07	451639.6	3770286.0	310.8	3.49	4.00	3.25 YES
L0008973	0	0.86170E-07	451639.5	3770277.4	310.7	3.49	4.00	3.25 YES
L0008974	0	0.86170E-07	451639.5	3770268.8	310.6	3.49	4.00	3.25 YES
L0008975	0	0.86170E-07	451639.4	3770260.2	310.5	3.49	4.00	3.25 YES
L0008976	0	0.86170E-07	451639.3	3770251.7	310.4	3.49	4.00	3.25 YES
L0008977	0	0.86170E-07	451639.3	3770243.1	310.3	3.49	4.00	3.25 YES
L0008978	0	0.86170E-07	451639.2	3770234.5	310.2	3.49	4.00	3.25 YES
L0008979	0	0.86170E-07	451639.1	3770225.9	310.0	3.49	4.00	3.25 YES
L0008980	0	0.86170E-07	451639.1	3770217.3	309.9	3.49	4.00	3.25 YES
L0008981	0	0.86170E-07	451639.0	3770208.7	309.7	3.49	4.00	3.25 YES
L0008982	0	0.86170E-07	451638.9	3770200.1	309.6	3.49	4.00	3.25 YES
L0008983	0	0.86170E-07	451638.9	3770191.5	309.4	3.49	4.00	3.25 YES
L0008984	0	0.86170E-07	451638.8	3770182.9	309.2	3.49	4.00	3.25 YES

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 L0008985         0   0.86170E-07  451638.7 3770174.4   309.0     3.49     4.00
3.25     YES
 L0008986         0   0.86170E-07  451638.7 3770165.8   308.9     3.49     4.00
3.25     YES
 L0008987         0   0.86170E-07  451638.6 3770157.2   308.8     3.49     4.00
3.25     YES
 L0008988         0   0.86170E-07  451638.5 3770148.6   308.7     3.49     4.00
3.25     YES
 L0008989         0   0.86170E-07  451638.5 3770140.0   308.6     3.49     4.00
3.25     YES
 L0008990         0   0.86170E-07  451638.4 3770131.4   308.5     3.49     4.00
3.25     YES
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0008991	0	0.86170E-07	451638.3	3770122.8	308.4	3.49	4.00	3.25	YES	
L0008992	0	0.86170E-07	451638.2	3770114.2	308.3	3.49	4.00	3.25	YES	
L0008993	0	0.86170E-07	451638.2	3770105.6	308.2	3.49	4.00	3.25	YES	
L0008994	0	0.86170E-07	451638.1	3770097.0	308.2	3.49	4.00	3.25	YES	
L0008995	0	0.86170E-07	451638.0	3770088.5	308.2	3.49	4.00	3.25	YES	
L0008996	0	0.86170E-07	451638.0	3770079.9	308.1	3.49	4.00	3.25	YES	
L0008997	0	0.86170E-07	451637.9	3770071.3	307.9	3.49	4.00	3.25	YES	
L0008998	0	0.86170E-07	451637.8	3770062.7	307.8	3.49	4.00	3.25	YES	

L0008999	0	0.86170E-07	451637.8	3770054.1	307.7	3.49	4.00	3.25 YES
L0009000	0	0.86170E-07	451637.7	3770045.5	307.6	3.49	4.00	3.25 YES
L0009001	0	0.86170E-07	451637.6	3770036.9	307.5	3.49	4.00	3.25 YES
L0009002	0	0.86170E-07	451637.6	3770028.3	307.4	3.49	4.00	3.25 YES
L0009003	0	0.86170E-07	451637.5	3770019.7	307.3	3.49	4.00	3.25 YES
L0009004	0	0.86170E-07	451637.4	3770011.1	307.1	3.49	4.00	3.25 YES
L0009005	0	0.86170E-07	451637.4	3770002.6	307.0	3.49	4.00	3.25 YES
L0009006	0	0.86170E-07	451637.3	3769994.0	306.9	3.49	4.00	3.25 YES
L0009007	0	0.86170E-07	451637.2	3769985.4	306.9	3.49	4.00	3.25 YES
L0009008	0	0.86170E-07	451637.2	3769976.8	307.0	3.49	4.00	3.25 YES
L0009009	0	0.86170E-07	451637.1	3769968.2	307.0	3.49	4.00	3.25 YES
L0009010	0	0.86170E-07	451637.0	3769959.6	306.9	3.49	4.00	3.25 YES
L0009011	0	0.86170E-07	451637.0	3769951.0	306.9	3.49	4.00	3.25 YES
L0009012	0	0.86170E-07	451636.9	3769942.4	306.8	3.49	4.00	3.25 YES
L0009013	0	0.86170E-07	451636.8	3769933.8	306.8	3.49	4.00	3.25 YES
L0009014	0	0.86170E-07	451636.8	3769925.2	307.2	3.49	4.00	3.25 YES
L0009015	0	0.86170E-07	451636.7	3769916.7	307.5	3.49	4.00	3.25 YES
L0009016	0	0.86170E-07	451636.6	3769908.1	307.9	3.49	4.00	3.25 YES
L0009017	0	0.86170E-07	451636.6	3769899.5	308.1	3.49	4.00	3.25 YES
L0009018	0	0.86170E-07	451636.5	3769890.9	308.3	3.49	4.00	3.25 YES
L0009019	0	0.86170E-07	451636.4	3769882.3	308.5	3.49	4.00	3.25 YES
L0009020	0	0.86170E-07	451636.4	3769873.7	308.6	3.49	4.00	3.25 YES
L0009021	0	0.86170E-07	451636.3	3769865.1	308.3	3.49	4.00	3.25 YES
L0009022	0	0.86170E-07	451636.2	3769856.5	307.9	3.49	4.00	3.25 YES

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 L0009023         0   0.86170E-07  451636.2 3769847.9   307.6     3.49     4.00
3.25     YES
 L0009024         0   0.86170E-07  451636.1 3769839.4   307.5     3.49     4.00
3.25     YES
 L0009025         0   0.86170E-07  451636.0 3769830.8   307.4     3.49     4.00
3.25     YES
 L0009026         0   0.86170E-07  451636.0 3769822.2   307.4     3.49     4.00
3.25     YES
 L0009027         0   0.86170E-07  451635.9 3769813.6   307.1     3.49     4.00
3.25     YES
 L0009028         0   0.86170E-07  451635.8 3769805.0   306.5     3.49     4.00
3.25     YES
 L0009029         0   0.86170E-07  451635.8 3769796.4   306.0     3.49     4.00
3.25     YES
 L0009030         0   0.86170E-07  451635.7 3769787.8   305.4     3.49     4.00
3.25     YES
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0009031	0	0.86170E-07	451635.6	3769779.2	305.2	3.49	4.00	3.25	YES	
L0009032	0	0.86170E-07	451635.6	3769770.6	305.0	3.49	4.00	3.25	YES	
L0009033	0	0.86170E-07	451635.5	3769762.0	304.9	3.49	4.00	3.25	YES	
L0009034	0	0.86170E-07	451635.4	3769753.5	304.8	3.49	4.00	3.25	YES	
L0009035	0	0.86170E-07	451635.4	3769744.9	304.6	3.49	4.00	3.25	YES	
L0009036	0	0.46530E-07	454863.5	3770846.7	328.4	3.49	4.00	3.25	YES	

L0009037	0	0.46530E-07	454854.9	3770846.7	328.3	3.49	4.00	3.25 YES
L0009038	0	0.46530E-07	454846.3	3770846.6	328.3	3.49	4.00	3.25 YES
L0009039	0	0.46530E-07	454837.7	3770846.6	328.3	3.49	4.00	3.25 YES
L0009040	0	0.46530E-07	454829.1	3770846.5	328.2	3.49	4.00	3.25 YES
L0009041	0	0.46530E-07	454820.5	3770846.5	328.1	3.49	4.00	3.25 YES
L0009042	0	0.46530E-07	454812.0	3770846.4	328.0	3.49	4.00	3.25 YES
L0009043	0	0.46530E-07	454803.4	3770846.3	328.0	3.49	4.00	3.25 YES
L0009044	0	0.46530E-07	454794.8	3770846.3	328.0	3.49	4.00	3.25 YES
L0009045	0	0.46530E-07	454786.2	3770846.2	328.0	3.49	4.00	3.25 YES
L0009046	0	0.46530E-07	454777.6	3770846.2	328.0	3.49	4.00	3.25 YES
L0009047	0	0.46530E-07	454769.0	3770846.1	328.0	3.49	4.00	3.25 YES
L0009048	0	0.46530E-07	454760.4	3770846.1	328.0	3.49	4.00	3.25 YES
L0009049	0	0.46530E-07	454751.8	3770846.0	328.0	3.49	4.00	3.25 YES
L0009050	0	0.46530E-07	454743.2	3770846.0	327.9	3.49	4.00	3.25 YES
L0009051	0	0.46530E-07	454734.6	3770845.9	327.7	3.49	4.00	3.25 YES
L0009052	0	0.46530E-07	454726.1	3770845.9	327.5	3.49	4.00	3.25 YES
L0009053	0	0.46530E-07	454717.5	3770845.8	327.3	3.49	4.00	3.25 YES
L0009054	0	0.46530E-07	454708.9	3770845.7	327.3	3.49	4.00	3.25 YES
L0009055	0	0.46530E-07	454700.3	3770845.7	327.3	3.49	4.00	3.25 YES
L0009056	0	0.46530E-07	454691.7	3770845.6	327.3	3.49	4.00	3.25 YES
L0009057	0	0.46530E-07	454683.1	3770845.6	327.2	3.49	4.00	3.25 YES
L0009058	0	0.46530E-07	454674.5	3770845.5	327.2	3.49	4.00	3.25 YES
L0009059	0	0.46530E-07	454665.9	3770845.5	327.1	3.49	4.00	3.25 YES
L0009060	0	0.46530E-07	454657.3	3770845.4	327.0	3.49	4.00	3.25 YES

```
 L0009061         0   0.46530E-07  454648.7 3770845.4   327.0     3.49     4.00
3.25     YES
 L0009062         0   0.46530E-07  454640.2 3770845.3   327.0     3.49     4.00
3.25     YES
 L0009063         0   0.46530E-07  454631.6 3770845.3   327.0     3.49     4.00
3.25     YES
 L0009064         0   0.46530E-07  454623.0 3770845.2   327.0     3.49     4.00
3.25     YES
 L0009065         0   0.46530E-07  454614.4 3770845.1   327.0     3.49     4.00
3.25     YES
 L0009066         0   0.46530E-07  454605.8 3770845.1   327.0     3.49     4.00
3.25     YES
 L0009067         0   0.46530E-07  454597.2 3770845.0   327.0     3.49     4.00
3.25     YES
 L0009068         0   0.46530E-07  454588.6 3770845.0   327.0     3.49     4.00
3.25     YES
 L0009069         0   0.46530E-07  454580.0 3770844.9   327.0     3.49     4.00
3.25     YES
 L0009070         0   0.46530E-07  454571.4 3770844.9   327.0     3.49     4.00
3.25     YES
```



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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0009071         0   0.46530E-07  454562.8 3770844.9   326.8     3.49     4.00
3.25     YES
 L0009072         0   0.46530E-07  454554.3 3770844.9   326.6     3.49     4.00
3.25     YES
 L0009073         0   0.46530E-07  454545.7 3770844.9   326.4     3.49     4.00
3.25     YES
 L0009074         0   0.46530E-07  454537.1 3770844.9   326.3     3.49     4.00
3.25     YES
```

L0009075	0	0.46530E-07	454528.5	3770844.9	326.3	3.49	4.00	3.25 YES
L0009076	0	0.46530E-07	454519.9	3770844.9	326.3	3.49	4.00	3.25 YES
L0009077	0	0.46530E-07	454511.3	3770844.9	326.3	3.49	4.00	3.25 YES
L0009078	0	0.46530E-07	454502.7	3770844.9	326.3	3.49	4.00	3.25 YES
L0009079	0	0.46530E-07	454494.1	3770844.9	326.3	3.49	4.00	3.25 YES
L0009080	0	0.46530E-07	454485.5	3770844.9	326.3	3.49	4.00	3.25 YES
L0009081	0	0.46530E-07	454476.9	3770844.9	326.3	3.49	4.00	3.25 YES
L0009082	0	0.46530E-07	454468.4	3770844.9	326.3	3.49	4.00	3.25 YES
L0009083	0	0.46530E-07	454459.8	3770844.9	326.3	3.49	4.00	3.25 YES
L0009084	0	0.46530E-07	454451.2	3770844.9	326.3	3.49	4.00	3.25 YES
L0009085	0	0.46530E-07	454442.6	3770844.9	326.2	3.49	4.00	3.25 YES
L0009086	0	0.46530E-07	454434.0	3770844.9	326.1	3.49	4.00	3.25 YES
L0009087	0	0.46530E-07	454425.4	3770844.9	326.1	3.49	4.00	3.25 YES
L0009088	0	0.46530E-07	454416.8	3770844.9	326.0	3.49	4.00	3.25 YES
L0009089	0	0.46530E-07	454408.2	3770844.9	326.0	3.49	4.00	3.25 YES
L0009090	0	0.46530E-07	454399.6	3770844.9	326.0	3.49	4.00	3.25 YES
L0009091	0	0.46530E-07	454391.0	3770844.9	326.0	3.49	4.00	3.25 YES
L0009092	0	0.46530E-07	454382.5	3770844.9	325.8	3.49	4.00	3.25 YES
L0009093	0	0.46530E-07	454373.9	3770844.9	325.6	3.49	4.00	3.25 YES
L0009094	0	0.46530E-07	454365.3	3770844.9	325.4	3.49	4.00	3.25 YES
L0009095	0	0.46530E-07	454356.7	3770844.9	325.3	3.49	4.00	3.25 YES
L0009096	0	0.46530E-07	454348.1	3770844.9	325.3	3.49	4.00	3.25 YES
L0009097	0	0.46530E-07	454339.5	3770844.8	325.3	3.49	4.00	3.25 YES
L0009098	0	0.46530E-07	454330.9	3770844.8	325.3	3.49	4.00	3.25 YES

 L0009099   0   0.46530E-07 454322.3 3770844.8   325.3   3.49   4.00
3.25   YES
 L0009100   0   0.46530E-07 454313.7 3770844.8   325.3   3.49   4.00
3.25   YES
 L0009101   0   0.46530E-07 454305.1 3770844.7   325.3   3.49   4.00
3.25   YES
 L0009102   0   0.46530E-07 454296.6 3770844.7   325.3   3.49   4.00
3.25   YES
 L0009103   0   0.46530E-07 454288.0 3770844.7   325.3   3.49   4.00
3.25   YES
 L0009104   0   0.46530E-07 454279.4 3770844.7   325.3   3.49   4.00
3.25   YES
 L0009105   0   0.46530E-07 454270.8 3770844.6   325.3   3.49   4.00
3.25   YES
 L0009106   0   0.46530E-07 454262.2 3770844.6   325.3   3.49   4.00
3.25   YES
 L0009107   0   0.46530E-07 454253.6 3770844.6   325.3   3.49   4.00
3.25   YES
 L0009108   0   0.46530E-07 454245.0 3770844.6   325.3   3.49   4.00
3.25   YES
 L0009109   0   0.46530E-07 454236.4 3770844.6   325.2   3.49   4.00
3.25   YES
 L0009110   0   0.46530E-07 454227.8 3770844.5   325.2   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- -

 L0009111   0   0.46530E-07 454219.2 3770844.5   325.1   3.49   4.00
3.25   YES
 L0009112   0   0.46530E-07 454210.7 3770844.5   325.0   3.49   4.00
3.25   YES

L0009113	0	0.46530E-07	454202.1	3770844.5	325.0	3.49	4.00	3.25 YES
L0009114	0	0.46530E-07	454193.5	3770844.5	325.0	3.49	4.00	3.25 YES
L0009115	0	0.46530E-07	454184.9	3770844.5	325.0	3.49	4.00	3.25 YES
L0009116	0	0.46530E-07	454176.3	3770844.5	325.0	3.49	4.00	3.25 YES
L0009117	0	0.46530E-07	454167.7	3770844.5	325.0	3.49	4.00	3.25 YES
L0009118	0	0.46530E-07	454159.1	3770844.5	325.0	3.49	4.00	3.25 YES
L0009119	0	0.46530E-07	454150.5	3770844.5	325.0	3.49	4.00	3.25 YES
L0009120	0	0.46530E-07	454141.9	3770844.5	325.1	3.49	4.00	3.25 YES
L0009121	0	0.46530E-07	454133.3	3770844.5	325.2	3.49	4.00	3.25 YES
L0009122	0	0.46530E-07	454124.8	3770844.5	325.2	3.49	4.00	3.25 YES
L0009123	0	0.46530E-07	454116.2	3770844.5	325.3	3.49	4.00	3.25 YES
L0009124	0	0.46530E-07	454107.6	3770844.5	325.3	3.49	4.00	3.25 YES
L0009125	0	0.46530E-07	454099.0	3770844.5	325.3	3.49	4.00	3.25 YES
L0009126	0	0.46530E-07	454090.4	3770844.5	325.3	3.49	4.00	3.25 YES
L0009127	0	0.46530E-07	454081.8	3770844.5	325.2	3.49	4.00	3.25 YES
L0009128	0	0.46530E-07	454073.2	3770844.5	325.1	3.49	4.00	3.25 YES
L0009129	0	0.46530E-07	454064.6	3770844.6	325.1	3.49	4.00	3.25 YES
L0009130	0	0.46530E-07	454056.0	3770844.6	325.0	3.49	4.00	3.25 YES
L0009131	0	0.46530E-07	454047.4	3770844.6	325.0	3.49	4.00	3.25 YES
L0009132	0	0.46530E-07	454038.9	3770844.6	325.0	3.49	4.00	3.25 YES
L0009133	0	0.46530E-07	454030.3	3770844.6	325.0	3.49	4.00	3.25 YES
L0009134	0	0.46530E-07	454021.7	3770844.6	325.0	3.49	4.00	3.25 YES
L0009135	0	0.46530E-07	454013.1	3770844.6	325.0	3.49	4.00	3.25 YES
L0009136	0	0.46530E-07	454004.5	3770844.6	325.0	3.49	4.00	3.25 YES

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 L0009137         0   0.46530E-07  453995.9 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009138         0   0.46530E-07  453987.3 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009139         0   0.46530E-07  453978.7 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009140         0   0.46530E-07  453970.1 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009141         0   0.46530E-07  453961.5 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009142         0   0.46530E-07  453953.0 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009143         0   0.46530E-07  453944.4 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009144         0   0.46530E-07  453935.8 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009145         0   0.46530E-07  453927.2 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009146         0   0.46530E-07  453918.6 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009147         0   0.46530E-07  453910.0 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009148         0   0.46530E-07  453901.4 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009149         0   0.46530E-07  453892.8 3770844.6   325.0     3.49     4.00
3.25     YES
 L0009150         0   0.46530E-07  453884.2 3770844.6   325.0     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***       03/14/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:01:03

                                   PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
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L0009151	0	0.46530E-07	453875.6	3770844.6	324.9	3.49	4.00	3.25 YES
L0009152	0	0.46530E-07	453867.1	3770844.6	324.7	3.49	4.00	3.25 YES
L0009153	0	0.46530E-07	453858.5	3770844.6	324.5	3.49	4.00	3.25 YES
L0009154	0	0.46530E-07	453849.9	3770844.6	324.3	3.49	4.00	3.25 YES
L0009155	0	0.46530E-07	453841.3	3770844.6	324.3	3.49	4.00	3.25 YES
L0009156	0	0.46530E-07	453832.7	3770844.6	324.3	3.49	4.00	3.25 YES
L0009157	0	0.46530E-07	453824.1	3770844.7	324.3	3.49	4.00	3.25 YES
L0009158	0	0.46530E-07	453815.5	3770844.7	324.4	3.49	4.00	3.25 YES
L0009159	0	0.46530E-07	453806.9	3770844.7	324.6	3.49	4.00	3.25 YES
L0009160	0	0.46530E-07	453798.3	3770844.7	324.8	3.49	4.00	3.25 YES
L0009161	0	0.46530E-07	453789.7	3770844.7	325.0	3.49	4.00	3.25 YES
L0009162	0	0.46530E-07	453781.2	3770844.7	325.7	3.49	4.00	3.25 YES
L0009163	0	0.46530E-07	453772.6	3770844.7	325.7	3.49	4.00	3.25 YES
L0009164	0	0.46530E-07	453764.0	3770844.7	325.7	3.49	4.00	3.25 YES
L0009165	0	0.46530E-07	453755.4	3770844.7	325.7	3.49	4.00	3.25 YES
L0009166	0	0.46530E-07	453746.8	3770844.7	325.7	3.49	4.00	3.25 YES
L0009167	0	0.46530E-07	453738.2	3770844.7	325.7	3.49	4.00	3.25 YES
L0009168	0	0.46530E-07	453729.6	3770844.7	325.7	3.49	4.00	3.25 YES
L0009169	0	0.46530E-07	453721.0	3770844.7	325.6	3.49	4.00	3.25 YES
L0009170	0	0.46530E-07	453712.4	3770844.7	325.6	3.49	4.00	3.25 YES
L0009171	0	0.46530E-07	453703.8	3770844.7	325.5	3.49	4.00	3.25 YES
L0009172	0	0.46530E-07	453695.3	3770844.7	325.4	3.49	4.00	3.25 YES
L0009173	0	0.46530E-07	453686.7	3770844.7	325.4	3.49	4.00	3.25 YES
L0009174	0	0.46530E-07	453678.1	3770844.7	325.3	3.49	4.00	3.25 YES

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 L0009175         0   0.46530E-07  453669.5 3770844.7   325.3     3.49     4.00
3.25     YES
 L0009176         0   0.46530E-07  453660.9 3770844.7   325.3     3.49     4.00
3.25     YES
 L0009177         0   0.46530E-07  453652.3 3770844.7   325.4     3.49     4.00
3.25     YES
 L0009178         0   0.46530E-07  453643.7 3770844.7   325.4     3.49     4.00
3.25     YES
 L0009179         0   0.46530E-07  453635.1 3770844.7   325.5     3.49     4.00
3.25     YES
 L0009180         0   0.46530E-07  453626.5 3770844.7   325.5     3.49     4.00
3.25     YES
 L0009181         0   0.46530E-07  453617.9 3770844.7   325.5     3.49     4.00
3.25     YES
 L0009182         0   0.46530E-07  453609.4 3770844.7   325.5     3.49     4.00
3.25     YES
 L0009183         0   0.46530E-07  453600.8 3770844.7   325.5     3.49     4.00
3.25     YES
 L0009184         0   0.46530E-07  453592.2 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009185         0   0.46530E-07  453583.6 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009186         0   0.46530E-07  453575.0 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009187         0   0.46530E-07  453566.4 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009188         0   0.46530E-07  453557.8 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009189         0   0.46530E-07  453549.2 3770844.8   325.5     3.49     4.00
3.25     YES
 L0009190         0   0.46530E-07  453540.6 3770844.8   325.5     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:01:03

                                    PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
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(METERS) BY
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L0009191	0	0.46530E-07	453532.0	3770844.8	325.5	3.49	4.00	3.25	YES
L0009192	0	0.46530E-07	453523.5	3770844.8	325.5	3.49	4.00	3.25	YES
L0009193	0	0.46530E-07	453514.9	3770844.8	325.4	3.49	4.00	3.25	YES
L0009194	0	0.46530E-07	453506.3	3770844.8	325.4	3.49	4.00	3.25	YES
L0009195	0	0.46530E-07	453497.7	3770844.8	325.3	3.49	4.00	3.25	YES
L0009196	0	0.46530E-07	453489.1	3770844.8	325.3	3.49	4.00	3.25	YES
L0009197	0	0.46530E-07	453480.5	3770844.8	325.3	3.49	4.00	3.25	YES
L0009198	0	0.46530E-07	453471.9	3770844.8	325.3	3.49	4.00	3.25	YES
L0009199	0	0.46530E-07	453463.3	3770844.8	325.3	3.49	4.00	3.25	YES
L0009200	0	0.46530E-07	453454.7	3770844.8	325.3	3.49	4.00	3.25	YES
L0009201	0	0.46530E-07	453446.1	3770844.8	325.3	3.49	4.00	3.25	YES
L0009202	0	0.46530E-07	453437.6	3770844.8	325.3	3.49	4.00	3.25	YES
L0009203	0	0.46530E-07	453429.0	3770844.8	325.3	3.49	4.00	3.25	YES
L0009204	0	0.46530E-07	453420.4	3770844.8	325.3	3.49	4.00	3.25	YES
L0009205	0	0.46530E-07	453411.8	3770844.8	325.3	3.49	4.00	3.25	YES
L0009206	0	0.46530E-07	453403.2	3770844.8	325.3	3.49	4.00	3.25	YES
L0009207	0	0.46530E-07	453394.6	3770844.8	325.2	3.49	4.00	3.25	YES
L0009208	0	0.46530E-07	453386.0	3770844.8	325.2	3.49	4.00	3.25	YES
L0009209	0	0.46530E-07	453377.4	3770844.8	325.1	3.49	4.00	3.25	YES
L0009210	0	0.46530E-07	453368.8	3770844.8	325.0	3.49	4.00	3.25	YES
L0009211	0	0.46530E-07	453360.2	3770844.8	325.0	3.49	4.00	3.25	YES
L0009212	0	0.46530E-07	453351.7	3770844.9	324.9	3.49	4.00	3.25	YES

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 L0009213         0   0.46530E-07  453343.1 3770844.9   324.9     3.49     4.00
3.25     YES
 L0009214         0   0.46530E-07  453334.5 3770844.9   324.7     3.49     4.00
3.25     YES
 L0009215         0   0.46530E-07  453325.9 3770844.9   324.5     3.49     4.00
3.25     YES
 L0009216         0   0.46530E-07  453317.3 3770844.9   324.3     3.49     4.00
3.25     YES
 L0009217         0   0.46530E-07  453308.7 3770844.8   324.2     3.49     4.00
3.25     YES
 L0009218         0   0.46530E-07  453300.1 3770844.8   324.2     3.49     4.00
3.25     YES
 L0009219         0   0.46530E-07  453291.5 3770844.8   324.2     3.49     4.00
3.25     YES
 L0009220         0   0.46530E-07  453282.9 3770844.8   324.2     3.49     4.00
3.25     YES
 L0009221         0   0.46530E-07  453274.3 3770844.8   324.1     3.49     4.00
3.25     YES
 L0009222         0   0.46530E-07  453265.8 3770844.8   323.9     3.49     4.00
3.25     YES
 L0009223         0   0.46530E-07  453257.2 3770844.7   323.6     3.49     4.00
3.25     YES
 L0009224         0   0.46530E-07  453248.6 3770844.7   323.4     3.49     4.00
3.25     YES
 L0009225         0   0.46530E-07  453240.0 3770844.7   323.5     3.49     4.00
3.25     YES
 L0009226         0   0.46530E-07  453231.4 3770844.7   323.6     3.49     4.00
3.25     YES
 L0009227         0   0.46530E-07  453222.8 3770844.7   323.7     3.49     4.00
3.25     YES
 L0009228         0   0.46530E-07  453214.2 3770844.7   323.7     3.49     4.00
3.25     YES
 L0009229         0   0.46530E-07  453205.6 3770844.6   323.7     3.49     4.00
3.25     YES
 L0009230         0   0.46530E-07  453197.0 3770844.6   323.7     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
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INIT. SOURCE ID	URBAN PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE VARY BY
L0009231	0	0.46530E-07	453188.4	3770844.6	323.7	3.49	4.00	3.25	YES
L0009232	0	0.46530E-07	453179.9	3770844.6	323.7	3.49	4.00	3.25	YES
L0009233	0	0.46530E-07	453171.3	3770844.6	323.7	3.49	4.00	3.25	YES
L0009234	0	0.46530E-07	453162.7	3770844.5	323.7	3.49	4.00	3.25	YES
L0009235	0	0.46530E-07	453154.1	3770844.5	323.7	3.49	4.00	3.25	YES
L0009236	0	0.46530E-07	453145.5	3770844.5	323.7	3.49	4.00	3.25	YES
L0009237	0	0.46530E-07	453136.9	3770844.5	323.7	3.49	4.00	3.25	YES
L0009238	0	0.46530E-07	453128.3	3770844.5	323.7	3.49	4.00	3.25	YES
L0009239	0	0.46530E-07	453119.7	3770844.5	323.7	3.49	4.00	3.25	YES
L0009240	0	0.46530E-07	453111.1	3770844.4	323.7	3.49	4.00	3.25	YES
L0009241	0	0.46530E-07	453102.5	3770844.4	323.7	3.49	4.00	3.25	YES
L0009242	0	0.46530E-07	453094.0	3770844.4	323.7	3.49	4.00	3.25	YES
L0009243	0	0.46530E-07	453085.4	3770844.4	323.7	3.49	4.00	3.25	YES
L0009244	0	0.46530E-07	453076.8	3770844.4	323.7	3.49	4.00	3.25	YES
L0009245	0	0.46530E-07	453068.2	3770844.3	323.7	3.49	4.00	3.25	YES
L0009246	0	0.46530E-07	453059.6	3770844.3	323.7	3.49	4.00	3.25	YES
L0009247	0	0.46530E-07	453051.0	3770844.3	323.7	3.49	4.00	3.25	YES
L0009248	0	0.46530E-07	453042.4	3770844.3	323.7	3.49	4.00	3.25	YES
L0009249	0	0.46530E-07	453033.8	3770844.3	323.7	3.49	4.00	3.25	YES
L0009250	0	0.46530E-07	453025.2	3770844.3	323.7	3.49	4.00	3.25	YES

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 L0009251         0   0.46530E-07  453016.6 3770844.2   323.7     3.49     4.00
3.25     YES
 L0009252         0   0.46530E-07  453008.1 3770844.2   323.6     3.49     4.00
3.25     YES
 L0009253         0   0.46530E-07  452999.5 3770844.2   323.5     3.49     4.00
3.25     YES
 L0009254         0   0.46530E-07  452990.9 3770844.2   323.4     3.49     4.00
3.25     YES
 L0009255         0   0.46530E-07  452982.3 3770844.2   323.2     3.49     4.00
3.25     YES
 L0009256         0   0.46530E-07  452973.7 3770844.2   323.2     3.49     4.00
3.25     YES
 L0009257         0   0.46530E-07  452965.1 3770844.1   323.1     3.49     4.00
3.25     YES
 L0009258         0   0.46530E-07  452956.5 3770844.1   323.1     3.49     4.00
3.25     YES
 L0009259         0   0.46530E-07  452947.9 3770844.1   323.0     3.49     4.00
3.25     YES
 L0009260         0   0.46530E-07  452939.3 3770844.1   323.0     3.49     4.00
3.25     YES
 L0009261         0   0.46530E-07  452930.7 3770844.1   323.0     3.49     4.00
3.25     YES
 L0009262         0   0.46530E-07  452922.2 3770844.0   323.0     3.49     4.00
3.25     YES
 L0009263         0   0.46530E-07  452913.6 3770844.0   323.0     3.49     4.00
3.25     YES
 L0009264         0   0.46530E-07  452905.0 3770844.0   323.0     3.49     4.00
3.25     YES
 L0009265         0   0.46530E-07  452896.4 3770844.0   323.0     3.49     4.00
3.25     YES
 L0009266         0   0.46530E-07  452887.8 3770844.0   322.9     3.49     4.00
3.25     YES
 L0009267         0   0.46530E-07  452879.2 3770844.0   322.9     3.49     4.00
3.25     YES
 L0009268         0   0.46530E-07  452870.6 3770843.9   322.9     3.49     4.00
3.25     YES
 L0009269         0   0.46530E-07  452862.0 3770843.9   322.9     3.49     4.00
3.25     YES
 L0009270         0   0.46530E-07  452853.4 3770843.9   322.9     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY
L0009271	0	0.46530E-07	452844.8	3770843.9	322.9	3.49	4.00	3.25	YES
L0009272	0	0.46530E-07	452836.3	3770843.9	322.9	3.49	4.00	3.25	YES
L0009273	0	0.46530E-07	452827.7	3770843.8	322.9	3.49	4.00	3.25	YES
L0009274	0	0.46530E-07	452819.1	3770843.8	322.9	3.49	4.00	3.25	YES
L0009275	0	0.46530E-07	452810.5	3770843.8	322.9	3.49	4.00	3.25	YES
L0009276	0	0.46530E-07	452801.9	3770843.8	322.9	3.49	4.00	3.25	YES
L0009277	0	0.46530E-07	452793.3	3770843.8	322.9	3.49	4.00	3.25	YES
L0009278	0	0.46530E-07	452784.7	3770843.8	322.9	3.49	4.00	3.25	YES
L0009279	0	0.46530E-07	452776.1	3770843.7	322.9	3.49	4.00	3.25	YES
L0009280	0	0.46530E-07	452770.4	3770841.0	322.9	3.49	4.00	3.25	YES
L0009281	0	0.46530E-07	452770.6	3770832.4	322.7	3.49	4.00	3.25	YES
L0009282	0	0.46530E-07	452770.9	3770823.8	322.7	3.49	4.00	3.25	YES
L0009283	0	0.46530E-07	452771.2	3770815.2	322.6	3.49	4.00	3.25	YES
L0009284	0	0.39810E-07	451644.7	3769746.2	304.7	0.00	4.00	3.25	YES
L0009285	0	0.39810E-07	451644.8	3769754.8	304.8	0.00	4.00	3.25	YES
L0009286	0	0.39810E-07	451644.8	3769763.4	305.0	0.00	4.00	3.25	YES
L0009287	0	0.39810E-07	451644.8	3769772.0	305.2	0.00	4.00	3.25	YES
L0009288	0	0.39810E-07	451644.9	3769780.6	305.4	0.00	4.00	3.25	YES

L0009289	0	0.39810E-07	451644.9	3769789.1	305.7	0.00	4.00	3.25 YES
L0009290	0	0.39810E-07	451644.9	3769797.7	306.3	0.00	4.00	3.25 YES
L0009291	0	0.39810E-07	451645.0	3769806.3	306.8	0.00	4.00	3.25 YES
L0009292	0	0.39810E-07	451645.0	3769814.9	307.3	0.00	4.00	3.25 YES
L0009293	0	0.39810E-07	451645.0	3769823.5	307.4	0.00	4.00	3.25 YES
L0009294	0	0.39810E-07	451645.0	3769832.1	307.5	0.00	4.00	3.25 YES
L0009295	0	0.39810E-07	451645.1	3769840.7	307.5	0.00	4.00	3.25 YES
L0009296	0	0.39810E-07	451645.1	3769849.3	307.7	0.00	4.00	3.25 YES
L0009297	0	0.39810E-07	451645.1	3769857.9	307.9	0.00	4.00	3.25 YES
L0009298	0	0.39810E-07	451645.2	3769866.5	308.2	0.00	4.00	3.25 YES
L0009299	0	0.39810E-07	451645.2	3769875.0	308.6	0.00	4.00	3.25 YES
L0009300	0	0.39810E-07	451645.2	3769883.6	308.5	0.00	4.00	3.25 YES
L0009301	0	0.39810E-07	451645.2	3769892.2	308.3	0.00	4.00	3.25 YES
L0009302	0	0.39810E-07	451645.3	3769900.8	308.1	0.00	4.00	3.25 YES
L0009303	0	0.39810E-07	451645.8	3769909.4	307.9	0.00	4.00	3.25 YES
L0009304	0	0.39810E-07	451646.5	3769917.9	307.7	0.00	4.00	3.25 YES
L0009305	0	0.39810E-07	451647.2	3769926.5	307.5	0.00	4.00	3.25 YES
L0009306	0	0.39810E-07	451647.9	3769935.1	307.3	0.00	4.00	3.25 YES
L0009307	0	0.39810E-07	451648.6	3769943.6	307.4	0.00	4.00	3.25 YES
L0009308	0	0.39810E-07	451649.3	3769952.2	307.5	0.00	4.00	3.25 YES
L0009309	0	0.39810E-07	451650.0	3769960.8	307.6	0.00	4.00	3.25 YES
L0009310	0	0.39810E-07	451650.3	3769969.3	307.6	0.00	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009311	0	0.39810E-07	451650.4	3769977.9	307.3	0.00	4.00	3.25	YES	
L0009312	0	0.39810E-07	451650.4	3769986.5	307.0	0.00	4.00	3.25	YES	
L0009313	0	0.39810E-07	451650.5	3769995.1	306.8	0.00	4.00	3.25	YES	
L0009314	0	0.39810E-07	451650.6	3770003.7	306.9	0.00	4.00	3.25	YES	
L0009315	0	0.39810E-07	451650.6	3770012.3	307.2	0.00	4.00	3.25	YES	
L0009316	0	0.39810E-07	451650.7	3770020.9	307.5	0.00	4.00	3.25	YES	
L0009317	0	0.39810E-07	451650.7	3770029.5	307.6	0.00	4.00	3.25	YES	
L0009318	0	0.39810E-07	451650.8	3770038.0	307.6	0.00	4.00	3.25	YES	
L0009319	0	0.39810E-07	451650.8	3770046.6	307.5	0.00	4.00	3.25	YES	
L0009320	0	0.39810E-07	451650.9	3770055.2	307.4	0.00	4.00	3.25	YES	
L0009321	0	0.39810E-07	451650.9	3770063.8	307.6	0.00	4.00	3.25	YES	
L0009322	0	0.39810E-07	451651.0	3770072.4	307.8	0.00	4.00	3.25	YES	
L0009323	0	0.39810E-07	451651.0	3770081.0	308.0	0.00	4.00	3.25	YES	
L0009324	0	0.39810E-07	451651.1	3770089.6	308.1	0.00	4.00	3.25	YES	
L0009325	0	0.39810E-07	451651.2	3770098.2	308.1	0.00	4.00	3.25	YES	
L0009326	0	0.39810E-07	451651.2	3770106.8	308.1	0.00	4.00	3.25	YES	

L0009327	0	0.39810E-07	451651.3	3770115.4	308.0	0.00	4.00	3.25 YES
L0009328	0	0.39810E-07	451651.3	3770123.9	308.2	0.00	4.00	3.25 YES
L0009329	0	0.39810E-07	451651.4	3770132.5	308.3	0.00	4.00	3.25 YES
L0009330	0	0.39810E-07	451651.4	3770141.1	308.4	0.00	4.00	3.25 YES
L0009331	0	0.39810E-07	451651.5	3770149.7	308.6	0.00	4.00	3.25 YES
L0009332	0	0.39810E-07	451651.5	3770158.3	308.8	0.00	4.00	3.25 YES
L0009333	0	0.39810E-07	451651.6	3770166.9	308.9	0.00	4.00	3.25 YES
L0009334	0	0.39810E-07	451651.7	3770175.5	309.1	0.00	4.00	3.25 YES
L0009335	0	0.39810E-07	451651.7	3770184.1	309.2	0.00	4.00	3.25 YES
L0009336	0	0.39810E-07	451651.8	3770192.7	309.4	0.00	4.00	3.25 YES
L0009337	0	0.39810E-07	451651.8	3770201.3	309.6	0.00	4.00	3.25 YES
L0009338	0	0.39810E-07	451651.9	3770209.8	309.8	0.00	4.00	3.25 YES
L0009339	0	0.39810E-07	451651.9	3770218.4	310.0	0.00	4.00	3.25 YES
L0009340	0	0.39810E-07	451652.0	3770227.0	310.2	0.00	4.00	3.25 YES
L0009341	0	0.39810E-07	451652.0	3770235.6	310.4	0.00	4.00	3.25 YES
L0009342	0	0.39810E-07	451652.1	3770244.2	310.5	0.00	4.00	3.25 YES
L0009343	0	0.39810E-07	451652.1	3770252.8	310.5	0.00	4.00	3.25 YES
L0009344	0	0.39810E-07	451652.2	3770261.4	310.6	0.00	4.00	3.25 YES
L0009345	0	0.39810E-07	451652.3	3770270.0	310.6	0.00	4.00	3.25 YES
L0009346	0	0.39810E-07	451652.3	3770278.6	310.7	0.00	4.00	3.25 YES
L0009347	0	0.39810E-07	451652.4	3770287.2	310.8	0.00	4.00	3.25 YES
L0009348	0	0.39810E-07	451652.4	3770295.7	310.9	0.00	4.00	3.25 YES
L0009349	0	0.39810E-07	451652.5	3770304.3	311.0	0.00	4.00	3.25 YES
L0009350	0	0.39810E-07	451652.5	3770312.9	311.1	0.00	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0009351	0	0.39810E-07	451652.6	3770321.5	311.2	0.00	4.00	3.25	YES	
L0009352	0	0.39810E-07	451652.6	3770330.1	311.3	0.00	4.00	3.25	YES	
L0009353	0	0.39810E-07	451652.7	3770338.7	311.4	0.00	4.00	3.25	YES	
L0009354	0	0.39810E-07	451652.8	3770347.3	311.6	0.00	4.00	3.25	YES	
L0009355	0	0.39810E-07	451652.8	3770355.9	311.8	0.00	4.00	3.25	YES	
L0009356	0	0.39810E-07	451652.9	3770364.5	311.9	0.00	4.00	3.25	YES	
L0009357	0	0.39810E-07	451652.9	3770373.1	312.0	0.00	4.00	3.25	YES	
L0009358	0	0.39810E-07	451653.0	3770381.6	312.1	0.00	4.00	3.25	YES	
L0009359	0	0.39810E-07	451653.0	3770390.2	312.2	0.00	4.00	3.25	YES	
L0009360	0	0.39810E-07	451653.1	3770398.8	312.2	0.00	4.00	3.25	YES	
L0009361	0	0.39810E-07	451653.1	3770407.4	312.3	0.00	4.00	3.25	YES	
L0009362	0	0.39810E-07	451653.2	3770416.0	312.4	0.00	4.00	3.25	YES	
L0009363	0	0.39810E-07	451653.2	3770424.6	312.5	0.00	4.00	3.25	YES	
L0009364	0	0.39810E-07	451653.3	3770433.2	312.6	0.00	4.00	3.25	YES	

L0009365	0	0.39810E-07	451653.4	3770441.8	312.7	0.00	4.00	3.25 YES
L0009366	0	0.39810E-07	451653.4	3770450.4	312.8	0.00	4.00	3.25 YES
L0009367	0	0.39810E-07	451653.5	3770458.9	312.9	0.00	4.00	3.25 YES
L0009368	0	0.39810E-07	451653.5	3770467.5	312.9	0.00	4.00	3.25 YES
L0009369	0	0.39810E-07	451653.6	3770476.1	313.0	0.00	4.00	3.25 YES
L0009370	0	0.39810E-07	451653.6	3770484.7	313.1	0.00	4.00	3.25 YES
L0009371	0	0.39810E-07	451653.7	3770493.3	313.2	0.00	4.00	3.25 YES
L0009372	0	0.39810E-07	451653.7	3770501.9	313.3	0.00	4.00	3.25 YES
L0009373	0	0.39810E-07	451653.8	3770510.5	313.4	0.00	4.00	3.25 YES
L0009374	0	0.39810E-07	451653.9	3770519.1	313.5	0.00	4.00	3.25 YES
L0009375	0	0.39810E-07	451653.9	3770527.7	313.6	0.00	4.00	3.25 YES
L0009376	0	0.39810E-07	451654.0	3770536.3	313.7	0.00	4.00	3.25 YES
L0009377	0	0.39810E-07	451654.0	3770544.8	313.8	0.00	4.00	3.25 YES
L0009378	0	0.39810E-07	451654.1	3770553.4	313.9	0.00	4.00	3.25 YES
L0009379	0	0.39810E-07	451654.1	3770562.0	313.9	0.00	4.00	3.25 YES
L0009380	0	0.39810E-07	451654.2	3770570.6	314.0	0.00	4.00	3.25 YES
L0009381	0	0.39810E-07	451654.2	3770579.2	314.1	0.00	4.00	3.25 YES
L0009382	0	0.39810E-07	451654.3	3770587.8	314.2	0.00	4.00	3.25 YES
L0009383	0	0.39810E-07	451654.3	3770596.4	314.2	0.00	4.00	3.25 YES
L0009384	0	0.39810E-07	451654.4	3770605.0	314.3	0.00	4.00	3.25 YES
L0009385	0	0.39810E-07	451654.5	3770613.6	314.4	0.00	4.00	3.25 YES
L0009386	0	0.39810E-07	451654.5	3770622.2	314.5	0.00	4.00	3.25 YES
L0009387	0	0.39810E-07	451654.6	3770630.7	314.6	0.00	4.00	3.25 YES
L0009388	0	0.39810E-07	451654.6	3770639.3	314.6	0.00	4.00	3.25 YES

 L0009389   0   0.39810E-07 451654.7 3770647.9   314.7   0.00   4.00
3.25   YES
 L0009390   0   0.39810E-07 451654.7 3770656.5   314.8   0.00   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0009391   0   0.39810E-07 451654.8 3770665.1   315.0   0.00   4.00
3.25   YES
 L0009392   0   0.39810E-07 451654.8 3770673.7   315.2   0.00   4.00
3.25   YES
 L0009393   0   0.39810E-07 451654.9 3770682.3   315.3   0.00   4.00
3.25   YES
 L0009394   0   0.39810E-07 451655.0 3770690.9   315.5   0.00   4.00
3.25   YES
 L0009395   0   0.39810E-07 451655.0 3770699.5   315.6   0.00   4.00
3.25   YES
 L0009396   0   0.39810E-07 451655.1 3770708.1   315.7   0.00   4.00
3.25   YES
 L0009397   0   0.39810E-07 451655.1 3770716.6   315.8   0.00   4.00
3.25   YES
 L0009398   0   0.39810E-07 451655.2 3770725.2   315.9   0.00   4.00
3.25   YES
 L0009399   0   0.39810E-07 451655.2 3770733.8   316.1   0.00   4.00
3.25   YES
 L0009400   0   0.39810E-07 451655.3 3770742.4   316.3   0.00   4.00
3.25   YES
 L0009401   0   0.39810E-07 451655.3 3770751.0   316.4   0.00   4.00
3.25   YES
 L0009402   0   0.39810E-07 451655.4 3770759.6   316.5   0.00   4.00
3.25   YES

L0009403	0	0.39810E-07	451655.4	3770768.2	316.6	0.00	4.00	3.25 YES
L0009404	0	0.39810E-07	451655.5	3770776.8	316.7	0.00	4.00	3.25 YES
L0009405	0	0.39810E-07	451655.6	3770785.4	316.8	0.00	4.00	3.25 YES
L0009406	0	0.39810E-07	451655.6	3770794.0	316.9	0.00	4.00	3.25 YES
L0009407	0	0.39810E-07	451655.7	3770802.5	316.9	0.00	4.00	3.25 YES
L0009408	0	0.39810E-07	451655.7	3770811.1	317.1	0.00	4.00	3.25 YES
L0009409	0	0.39810E-07	451655.8	3770819.7	317.3	0.00	4.00	3.25 YES
L0009410	0	0.39810E-07	451655.8	3770828.3	317.4	0.00	4.00	3.25 YES
L0009411	0	0.39810E-07	451664.1	3770828.7	317.4	0.00	4.00	3.25 YES
L0009412	0	0.39810E-07	451672.7	3770828.7	317.4	0.00	4.00	3.25 YES
L0009413	0	0.39810E-07	451681.3	3770828.7	317.4	0.00	4.00	3.25 YES
L0009414	0	0.39810E-07	451689.8	3770828.7	317.4	0.00	4.00	3.25 YES
L0009415	0	0.39810E-07	451698.4	3770828.7	317.5	0.00	4.00	3.25 YES
L0009416	0	0.39810E-07	451707.0	3770828.7	317.5	0.00	4.00	3.25 YES
L0009417	0	0.39810E-07	451715.6	3770828.7	317.5	0.00	4.00	3.25 YES
L0009418	0	0.39810E-07	451724.2	3770828.7	317.5	0.00	4.00	3.25 YES
L0009419	0	0.39810E-07	451732.8	3770828.7	317.5	0.00	4.00	3.25 YES
L0009420	0	0.39810E-07	451741.4	3770828.7	317.5	0.00	4.00	3.25 YES
L0009421	0	0.39810E-07	451750.0	3770828.7	317.5	0.00	4.00	3.25 YES
L0009422	0	0.39810E-07	451758.6	3770828.7	317.6	0.00	4.00	3.25 YES
L0009423	0	0.39810E-07	451767.2	3770828.7	317.7	0.00	4.00	3.25 YES
L0009424	0	0.39810E-07	451775.7	3770828.7	317.8	0.00	4.00	3.25 YES
L0009425	0	0.39810E-07	451784.3	3770828.8	317.8	0.00	4.00	3.25 YES
L0009426	0	0.39810E-07	451792.9	3770828.8	317.8	0.00	4.00	3.25 YES

 L0009427   0   0.39810E-07 451801.5 3770828.8   317.8   0.00   4.00
3.25   YES
 L0009428   0   0.39810E-07 451810.1 3770828.8   317.8   0.00   4.00
3.25   YES
 L0009429   0   0.39810E-07 451818.7 3770828.8   317.9   0.00   4.00
3.25   YES
 L0009430   0   0.39810E-07 451827.3 3770828.8   318.0   0.00   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0009431   0   0.39810E-07 451835.9 3770828.8   318.1   0.00   4.00
3.25   YES
 L0009432   0   0.39810E-07 451844.5 3770828.8   318.2   0.00   4.00
3.25   YES
 L0009433   0   0.39810E-07 451853.1 3770828.8   318.3   0.00   4.00
3.25   YES
 L0009434   0   0.39810E-07 451861.6 3770828.8   318.4   0.00   4.00
3.25   YES
 L0009435   0   0.39810E-07 451870.2 3770828.8   318.4   0.00   4.00
3.25   YES
 L0009436   0   0.39810E-07 451878.8 3770828.8   318.6   0.00   4.00
3.25   YES
 L0009437   0   0.39810E-07 451887.4 3770828.8   318.7   0.00   4.00
3.25   YES
 L0009438   0   0.39810E-07 451896.0 3770828.8   318.8   0.00   4.00
3.25   YES
 L0009439   0   0.39810E-07 451904.6 3770828.8   318.9   0.00   4.00
3.25   YES
 L0009440   0   0.39810E-07 451913.2 3770828.8   319.1   0.00   4.00
3.25   YES

L0009441	0	0.39810E-07	451921.8	3770828.8	319.3	0.00	4.00	3.25 YES
L0009442	0	0.39810E-07	451930.4	3770828.8	319.5	0.00	4.00	3.25 YES
L0009443	0	0.39810E-07	451939.0	3770828.9	319.7	0.00	4.00	3.25 YES
L0009444	0	0.39810E-07	451947.5	3770828.9	319.8	0.00	4.00	3.25 YES
L0009445	0	0.39810E-07	451956.1	3770828.9	319.9	0.00	4.00	3.25 YES
L0009446	0	0.39810E-07	451964.7	3770828.9	319.9	0.00	4.00	3.25 YES
L0009447	0	0.39810E-07	451973.3	3770828.9	319.8	0.00	4.00	3.25 YES
L0009448	0	0.39810E-07	451981.9	3770828.9	319.7	0.00	4.00	3.25 YES
L0009449	0	0.39810E-07	451990.5	3770828.9	319.7	0.00	4.00	3.25 YES
L0009450	0	0.39810E-07	451999.1	3770828.9	319.7	0.00	4.00	3.25 YES
L0009451	0	0.39810E-07	452007.7	3770828.9	319.7	0.00	4.00	3.25 YES
L0009452	0	0.39810E-07	452016.3	3770828.9	319.7	0.00	4.00	3.25 YES
L0009453	0	0.39810E-07	452024.9	3770828.9	319.7	0.00	4.00	3.25 YES
L0009454	0	0.39810E-07	452033.4	3770828.9	319.7	0.00	4.00	3.25 YES
L0009455	0	0.39810E-07	452042.0	3770828.9	319.7	0.00	4.00	3.25 YES
L0009456	0	0.39810E-07	452050.6	3770828.9	319.7	0.00	4.00	3.25 YES
L0009457	0	0.39810E-07	452059.2	3770828.9	319.7	0.00	4.00	3.25 YES
L0009458	0	0.39810E-07	452067.8	3770828.9	319.7	0.00	4.00	3.25 YES
L0009459	0	0.39810E-07	452076.4	3770828.9	319.7	0.00	4.00	3.25 YES
L0009460	0	0.39810E-07	452085.0	3770828.9	319.7	0.00	4.00	3.25 YES
L0009461	0	0.39810E-07	452093.6	3770829.0	319.7	0.00	4.00	3.25 YES
L0009462	0	0.39810E-07	452102.2	3770829.0	319.7	0.00	4.00	3.25 YES
L0009463	0	0.39810E-07	452110.8	3770829.0	319.7	0.00	4.00	3.25 YES
L0009464	0	0.39810E-07	452119.3	3770829.0	319.7	0.00	4.00	3.25 YES

 L0009465   0   0.39810E-07 452127.9 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009466   0   0.39810E-07 452136.5 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009467   0   0.39810E-07 452145.1 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009468   0   0.39810E-07 452153.7 3770829.0   319.6   0.00   4.00
3.25   YES
 L0009469   0   0.39810E-07 452162.3 3770829.0   319.6   0.00   4.00
3.25   YES
 L0009470   0   0.39810E-07 452170.9 3770829.0   319.6   0.00   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0009471   0   0.39810E-07 452179.5 3770829.0   319.6   0.00   4.00
3.25   YES
 L0009472   0   0.39810E-07 452188.1 3770829.0   319.6   0.00   4.00
3.25   YES
 L0009473   0   0.39810E-07 452196.7 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009474   0   0.39810E-07 452205.2 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009475   0   0.39810E-07 452213.8 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009476   0   0.39810E-07 452222.4 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009477   0   0.39810E-07 452231.0 3770829.0   319.7   0.00   4.00
3.25   YES
 L0009478   0   0.39810E-07 452239.6 3770829.0   319.7   0.00   4.00
3.25   YES

L0009479	0	0.39810E-07	452248.2	3770829.1	319.7	0.00	4.00	3.25 YES
L0009480	0	0.39810E-07	452256.8	3770829.1	319.7	0.00	4.00	3.25 YES
L0009481	0	0.39810E-07	452265.4	3770829.1	319.7	0.00	4.00	3.25 YES
L0009482	0	0.39810E-07	452274.0	3770829.1	319.8	0.00	4.00	3.25 YES
L0009483	0	0.39810E-07	452282.6	3770829.1	319.9	0.00	4.00	3.25 YES
L0009484	0	0.39810E-07	452291.1	3770829.1	320.0	0.00	4.00	3.25 YES
L0009485	0	0.39810E-07	452299.7	3770829.1	320.1	0.00	4.00	3.25 YES
L0009486	0	0.39810E-07	452308.3	3770829.1	320.2	0.00	4.00	3.25 YES
L0009487	0	0.39810E-07	452316.9	3770829.1	320.2	0.00	4.00	3.25 YES
L0009488	0	0.39810E-07	452325.5	3770829.1	320.4	0.00	4.00	3.25 YES
L0009489	0	0.39810E-07	452334.1	3770829.1	320.6	0.00	4.00	3.25 YES
L0009490	0	0.39810E-07	452342.7	3770829.1	320.9	0.00	4.00	3.25 YES
L0009491	0	0.39810E-07	452351.3	3770829.1	321.0	0.00	4.00	3.25 YES
L0009492	0	0.39810E-07	452359.9	3770829.1	320.9	0.00	4.00	3.25 YES
L0009493	0	0.39810E-07	452368.5	3770829.1	320.9	0.00	4.00	3.25 YES
L0009494	0	0.39810E-07	452377.0	3770829.1	320.8	0.00	4.00	3.25 YES
L0009495	0	0.39810E-07	452385.6	3770829.1	320.7	0.00	4.00	3.25 YES
L0009496	0	0.39810E-07	452394.2	3770829.2	320.7	0.00	4.00	3.25 YES
L0009497	0	0.39810E-07	452402.8	3770829.2	320.7	0.00	4.00	3.25 YES
L0009498	0	0.39810E-07	452411.4	3770829.2	320.7	0.00	4.00	3.25 YES
L0009499	0	0.39810E-07	452420.0	3770829.2	320.7	0.00	4.00	3.25 YES
L0009500	0	0.39810E-07	452428.6	3770829.2	320.6	0.00	4.00	3.25 YES
L0009501	0	0.39810E-07	452437.2	3770829.2	320.6	0.00	4.00	3.25 YES
L0009502	0	0.39810E-07	452445.8	3770829.2	320.6	0.00	4.00	3.25 YES

 L0009503   0   0.39810E-07 452454.4 3770829.2   320.7   0.00   4.00
3.25   YES
 L0009504   0   0.39810E-07 452462.9 3770829.2   320.7   0.00   4.00
3.25   YES
 L0009505   0   0.39810E-07 452471.5 3770829.2   320.7   0.00   4.00
3.25   YES
 L0009506   0   0.39810E-07 452480.1 3770829.2   320.6   0.00   4.00
3.25   YES
 L0009507   0   0.39810E-07 452488.7 3770829.2   320.4   0.00   4.00
3.25   YES
 L0009508   0   0.39810E-07 452497.3 3770829.1   320.3   0.00   4.00
3.25   YES
 L0009509   0   0.39810E-07 452505.9 3770829.1   320.4   0.00   4.00
3.25   YES
 L0009510   0   0.39810E-07 452514.5 3770829.0   320.5   0.00   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- -

 L0009511   0   0.39810E-07 452523.1 3770829.0   320.6   0.00   4.00
3.25   YES
 L0009512   0   0.39810E-07 452531.7 3770829.0   320.7   0.00   4.00
3.25   YES
 L0009513   0   0.39810E-07 452540.3 3770828.9   320.8   0.00   4.00
3.25   YES
 L0009514   0   0.39810E-07 452548.8 3770828.9   321.0   0.00   4.00
3.25   YES
 L0009515   0   0.39810E-07 452557.4 3770828.9   321.2   0.00   4.00
3.25   YES
 L0009516   0   0.39810E-07 452566.0 3770828.8   321.2   0.00   4.00
3.25   YES

L0009517	0	0.39810E-07	452574.6	3770828.8	321.3	0.00	4.00	3.25 YES
L0009518	0	0.39810E-07	452583.2	3770828.7	321.4	0.00	4.00	3.25 YES
L0009519	0	0.39810E-07	452591.8	3770828.7	321.4	0.00	4.00	3.25 YES
L0009520	0	0.39810E-07	452600.4	3770828.7	321.5	0.00	4.00	3.25 YES
L0009521	0	0.39810E-07	452609.0	3770828.6	321.6	0.00	4.00	3.25 YES
L0009522	0	0.39810E-07	452617.6	3770828.6	321.7	0.00	4.00	3.25 YES
L0009523	0	0.39810E-07	452626.2	3770828.6	321.8	0.00	4.00	3.25 YES
L0009524	0	0.39810E-07	452634.7	3770828.5	322.0	0.00	4.00	3.25 YES
L0009525	0	0.39810E-07	452643.3	3770828.3	322.1	0.00	4.00	3.25 YES
L0009526	0	0.39810E-07	452651.9	3770828.0	322.3	0.00	4.00	3.25 YES
L0009527	0	0.39810E-07	452660.5	3770827.8	322.4	0.00	4.00	3.25 YES
L0009528	0	0.39810E-07	452669.1	3770827.6	322.5	0.00	4.00	3.25 YES
L0009529	0	0.39810E-07	452677.7	3770827.3	322.6	0.00	4.00	3.25 YES
L0009530	0	0.39810E-07	452686.3	3770827.4	322.6	0.00	4.00	3.25 YES
L0009531	0	0.39810E-07	452694.9	3770827.5	322.6	0.00	4.00	3.25 YES
L0009532	0	0.39810E-07	452703.4	3770827.7	322.6	0.00	4.00	3.25 YES
L0009533	0	0.39810E-07	452712.0	3770827.8	322.6	0.00	4.00	3.25 YES
L0009534	0	0.39810E-07	452720.6	3770827.9	322.6	0.00	4.00	3.25 YES
L0009535	0	0.39810E-07	452729.2	3770828.0	322.6	0.00	4.00	3.25 YES
L0009536	0	0.39810E-07	452737.8	3770828.2	322.6	0.00	4.00	3.25 YES
L0009537	0	0.39810E-07	452746.4	3770828.3	322.6	0.00	4.00	3.25 YES
L0009538	0	0.39810E-07	452755.0	3770828.8	322.7	0.00	4.00	3.25 YES
L0009539	0	0.39810E-07	452763.5	3770829.4	322.7	0.00	4.00	3.25 YES
L0009540	0	0.39810E-07	452770.7	3770828.6	322.7	0.00	4.00	3.25 YES

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 L0009541         0   0.39810E-07  452770.2 3770820.0   322.6     0.00     4.00
3.25     YES
 L0009542         0   0.39810E-07  452769.7 3770811.5   322.5     0.00     4.00
3.25     YES
 L0009543         0   0.46540E-07  451644.7 3769746.2   304.7     0.00     4.00
3.25     YES
 L0009544         0   0.46540E-07  451644.8 3769754.8   304.8     0.00     4.00
3.25     YES
 L0009545         0   0.46540E-07  451644.8 3769763.4   305.0     0.00     4.00
3.25     YES
 L0009546         0   0.46540E-07  451644.8 3769772.0   305.2     0.00     4.00
3.25     YES
 L0009547         0   0.46540E-07  451644.9 3769780.6   305.4     0.00     4.00
3.25     YES
 L0009548         0   0.46540E-07  451644.9 3769789.1   305.7     0.00     4.00
3.25     YES
 L0009549         0   0.46540E-07  451644.9 3769797.7   306.3     0.00     4.00
3.25     YES
 L0009550         0   0.46540E-07  451645.0 3769806.3   306.8     0.00     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                        *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0009551         0   0.46540E-07  451645.0 3769814.9   307.3     0.00     4.00
3.25     YES
 L0009552         0   0.46540E-07  451645.0 3769823.5   307.4     0.00     4.00
3.25     YES
 L0009553         0   0.46540E-07  451645.0 3769832.1   307.5     0.00     4.00
3.25     YES
 L0009554         0   0.46540E-07  451645.1 3769840.7   307.5     0.00     4.00
3.25     YES
```

L0009555	0	0.46540E-07	451645.1	3769849.3	307.7	0.00	4.00	3.25 YES
L0009556	0	0.46540E-07	451645.1	3769857.9	307.9	0.00	4.00	3.25 YES
L0009557	0	0.46540E-07	451645.2	3769866.5	308.2	0.00	4.00	3.25 YES
L0009558	0	0.46540E-07	451645.2	3769875.0	308.6	0.00	4.00	3.25 YES
L0009559	0	0.46540E-07	451645.2	3769883.6	308.5	0.00	4.00	3.25 YES
L0009560	0	0.46540E-07	451645.2	3769892.2	308.3	0.00	4.00	3.25 YES
L0009561	0	0.46540E-07	451645.3	3769900.8	308.1	0.00	4.00	3.25 YES
L0009562	0	0.46540E-07	451645.8	3769909.4	307.9	0.00	4.00	3.25 YES
L0009563	0	0.46540E-07	451646.5	3769917.9	307.7	0.00	4.00	3.25 YES
L0009564	0	0.46540E-07	451647.2	3769926.5	307.5	0.00	4.00	3.25 YES
L0009565	0	0.46540E-07	451647.9	3769935.1	307.3	0.00	4.00	3.25 YES
L0009566	0	0.46540E-07	451648.6	3769943.6	307.4	0.00	4.00	3.25 YES
L0009567	0	0.46540E-07	451649.3	3769952.2	307.5	0.00	4.00	3.25 YES
L0009568	0	0.46540E-07	451650.0	3769960.8	307.6	0.00	4.00	3.25 YES
L0009569	0	0.46540E-07	451650.3	3769969.3	307.6	0.00	4.00	3.25 YES
L0009570	0	0.46540E-07	451650.4	3769977.9	307.3	0.00	4.00	3.25 YES
L0009571	0	0.46540E-07	451650.4	3769986.5	307.0	0.00	4.00	3.25 YES
L0009572	0	0.46540E-07	451650.5	3769995.1	306.8	0.00	4.00	3.25 YES
L0009573	0	0.46540E-07	451650.6	3770003.7	306.9	0.00	4.00	3.25 YES
L0009574	0	0.46540E-07	451650.6	3770012.3	307.2	0.00	4.00	3.25 YES
L0009575	0	0.46540E-07	451650.7	3770020.9	307.5	0.00	4.00	3.25 YES
L0009576	0	0.46540E-07	451650.7	3770029.5	307.6	0.00	4.00	3.25 YES
L0009577	0	0.46540E-07	451650.8	3770038.0	307.6	0.00	4.00	3.25 YES
L0009578	0	0.46540E-07	451650.8	3770046.6	307.5	0.00	4.00	3.25 YES

 L0009579   0   0.46540E-07 451650.9 3770055.2   307.4   0.00   4.00
3.25   YES
 L0009580   0   0.46540E-07 451650.9 3770063.8   307.6   0.00   4.00
3.25   YES
 L0009581   0   0.46540E-07 451651.0 3770072.4   307.8   0.00   4.00
3.25   YES
 L0009582   0   0.46540E-07 451651.0 3770081.0   308.0   0.00   4.00
3.25   YES
 L0009583   0   0.46540E-07 451651.1 3770089.6   308.1   0.00   4.00
3.25   YES
 L0009584   0   0.46540E-07 451651.2 3770098.2   308.1   0.00   4.00
3.25   YES
 L0009585   0   0.46540E-07 451651.2 3770106.8   308.1   0.00   4.00
3.25   YES
 L0009586   0   0.46540E-07 451651.3 3770115.4   308.0   0.00   4.00
3.25   YES
 L0009587   0   0.46540E-07 451651.3 3770123.9   308.2   0.00   4.00
3.25   YES
 L0009588   0   0.46540E-07 451651.4 3770132.5   308.3   0.00   4.00
3.25   YES
 L0009589   0   0.46540E-07 451651.4 3770141.1   308.4   0.00   4.00
3.25   YES
 L0009590   0   0.46540E-07 451651.5 3770149.7   308.6   0.00   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- -

 L0009591   0   0.46540E-07 451651.5 3770158.3   308.8   0.00   4.00
3.25   YES
 L0009592   0   0.46540E-07 451651.6 3770166.9   308.9   0.00   4.00
3.25   YES

L0009593	0	0.46540E-07	451651.7	3770175.5	309.1	0.00	4.00	3.25 YES
L0009594	0	0.46540E-07	451651.7	3770184.1	309.2	0.00	4.00	3.25 YES
L0009595	0	0.46540E-07	451651.8	3770192.7	309.4	0.00	4.00	3.25 YES
L0009596	0	0.46540E-07	451651.8	3770201.3	309.6	0.00	4.00	3.25 YES
L0009597	0	0.46540E-07	451651.9	3770209.8	309.8	0.00	4.00	3.25 YES
L0009598	0	0.46540E-07	451651.9	3770218.4	310.0	0.00	4.00	3.25 YES
L0009599	0	0.46540E-07	451652.0	3770227.0	310.2	0.00	4.00	3.25 YES
L0009600	0	0.46540E-07	451652.0	3770235.6	310.4	0.00	4.00	3.25 YES
L0009601	0	0.46540E-07	451652.1	3770244.2	310.5	0.00	4.00	3.25 YES
L0009602	0	0.46540E-07	451652.1	3770252.8	310.5	0.00	4.00	3.25 YES
L0009603	0	0.46540E-07	451652.2	3770261.4	310.6	0.00	4.00	3.25 YES
L0009604	0	0.46540E-07	451652.3	3770270.0	310.6	0.00	4.00	3.25 YES
L0009605	0	0.46540E-07	451652.3	3770278.6	310.7	0.00	4.00	3.25 YES
L0009606	0	0.46540E-07	451652.4	3770287.2	310.8	0.00	4.00	3.25 YES
L0009607	0	0.46540E-07	451652.4	3770295.7	310.9	0.00	4.00	3.25 YES
L0009608	0	0.46540E-07	451652.5	3770304.3	311.0	0.00	4.00	3.25 YES
L0009609	0	0.46540E-07	451652.5	3770312.9	311.1	0.00	4.00	3.25 YES
L0009610	0	0.46540E-07	451652.6	3770321.5	311.2	0.00	4.00	3.25 YES
L0009611	0	0.46540E-07	451652.6	3770330.1	311.3	0.00	4.00	3.25 YES
L0009612	0	0.46540E-07	451652.7	3770338.7	311.4	0.00	4.00	3.25 YES
L0009613	0	0.46540E-07	451652.8	3770347.3	311.6	0.00	4.00	3.25 YES
L0009614	0	0.46540E-07	451652.8	3770355.9	311.8	0.00	4.00	3.25 YES
L0009615	0	0.46540E-07	451652.9	3770364.5	311.9	0.00	4.00	3.25 YES
L0009616	0	0.46540E-07	451652.9	3770373.1	312.0	0.00	4.00	3.25 YES

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 L0009617         0   0.46540E-07  451653.0 3770381.6   312.1     0.00     4.00
3.25     YES
 L0009618         0   0.46540E-07  451653.0 3770390.2   312.2     0.00     4.00
3.25     YES
 L0009619         0   0.46540E-07  451653.1 3770398.8   312.2     0.00     4.00
3.25     YES
 L0009620         0   0.46540E-07  451653.1 3770407.4   312.3     0.00     4.00
3.25     YES
 L0009621         0   0.46540E-07  451653.2 3770416.0   312.4     0.00     4.00
3.25     YES
 L0009622         0   0.46540E-07  451653.2 3770424.6   312.5     0.00     4.00
3.25     YES
 L0009623         0   0.46540E-07  451653.3 3770433.2   312.6     0.00     4.00
3.25     YES
 L0009624         0   0.46540E-07  451653.4 3770441.8   312.7     0.00     4.00
3.25     YES
 L0009625         0   0.46540E-07  451653.4 3770450.4   312.8     0.00     4.00
3.25     YES
 L0009626         0   0.46540E-07  451653.5 3770458.9   312.9     0.00     4.00
3.25     YES
 L0009627         0   0.46540E-07  451653.5 3770467.5   312.9     0.00     4.00
3.25     YES
 L0009628         0   0.46540E-07  451653.6 3770476.1   313.0     0.00     4.00
3.25     YES
 L0009629         0   0.46540E-07  451653.6 3770484.7   313.1     0.00     4.00
3.25     YES
 L0009630         0   0.46540E-07  451653.7 3770493.3   313.2     0.00     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***       03/14/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:01:03

                                   PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
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L0009631	0	0.46540E-07	451653.7	3770501.9	313.3	0.00	4.00	3.25 YES
L0009632	0	0.46540E-07	451653.8	3770510.5	313.4	0.00	4.00	3.25 YES
L0009633	0	0.46540E-07	451653.9	3770519.1	313.5	0.00	4.00	3.25 YES
L0009634	0	0.46540E-07	451653.9	3770527.7	313.6	0.00	4.00	3.25 YES
L0009635	0	0.46540E-07	451654.0	3770536.3	313.7	0.00	4.00	3.25 YES
L0009636	0	0.46540E-07	451654.0	3770544.8	313.8	0.00	4.00	3.25 YES
L0009637	0	0.46540E-07	451654.1	3770553.4	313.9	0.00	4.00	3.25 YES
L0009638	0	0.46540E-07	451654.1	3770562.0	313.9	0.00	4.00	3.25 YES
L0009639	0	0.46540E-07	451654.2	3770570.6	314.0	0.00	4.00	3.25 YES
L0009640	0	0.46540E-07	451654.2	3770579.2	314.1	0.00	4.00	3.25 YES
L0009641	0	0.46540E-07	451654.3	3770587.8	314.2	0.00	4.00	3.25 YES
L0009642	0	0.46540E-07	451654.3	3770596.4	314.2	0.00	4.00	3.25 YES
L0009643	0	0.46540E-07	451654.4	3770605.0	314.3	0.00	4.00	3.25 YES
L0009644	0	0.46540E-07	451654.5	3770613.6	314.4	0.00	4.00	3.25 YES
L0009645	0	0.46540E-07	451654.5	3770622.2	314.5	0.00	4.00	3.25 YES
L0009646	0	0.46540E-07	451654.6	3770630.7	314.6	0.00	4.00	3.25 YES
L0009647	0	0.46540E-07	451654.6	3770639.3	314.6	0.00	4.00	3.25 YES
L0009648	0	0.46540E-07	451654.7	3770647.9	314.7	0.00	4.00	3.25 YES
L0009649	0	0.46540E-07	451654.7	3770656.5	314.8	0.00	4.00	3.25 YES
L0009650	0	0.46540E-07	451654.8	3770665.1	315.0	0.00	4.00	3.25 YES
L0009651	0	0.46540E-07	451654.8	3770673.7	315.2	0.00	4.00	3.25 YES
L0009652	0	0.46540E-07	451654.9	3770682.3	315.3	0.00	4.00	3.25 YES
L0009653	0	0.46540E-07	451655.0	3770690.9	315.5	0.00	4.00	3.25 YES
L0009654	0	0.46540E-07	451655.0	3770699.5	315.6	0.00	4.00	3.25 YES

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 L0009655         0   0.46540E-07  451655.1 3770708.1   315.7     0.00     4.00
3.25     YES
 L0009656         0   0.46540E-07  451655.1 3770716.6   315.8     0.00     4.00
3.25     YES
 L0009657         0   0.46540E-07  451655.2 3770725.2   315.9     0.00     4.00
3.25     YES
 L0009658         0   0.46540E-07  451655.2 3770733.8   316.1     0.00     4.00
3.25     YES
 L0009659         0   0.46540E-07  451655.3 3770742.4   316.3     0.00     4.00
3.25     YES
 L0009660         0   0.46540E-07  451655.3 3770751.0   316.4     0.00     4.00
3.25     YES
 L0009661         0   0.46540E-07  451655.4 3770759.6   316.5     0.00     4.00
3.25     YES
 L0009662         0   0.46540E-07  451655.4 3770768.2   316.6     0.00     4.00
3.25     YES
 L0009663         0   0.46540E-07  451655.5 3770776.8   316.7     0.00     4.00
3.25     YES
 L0009664         0   0.46540E-07  451655.6 3770785.4   316.8     0.00     4.00
3.25     YES
 L0009665         0   0.46540E-07  451655.6 3770794.0   316.9     0.00     4.00
3.25     YES
 L0009666         0   0.46540E-07  451655.7 3770802.5   316.9     0.00     4.00
3.25     YES
 L0009667         0   0.46540E-07  451655.7 3770811.1   317.1     0.00     4.00
3.25     YES
 L0009668         0   0.46540E-07  451655.8 3770819.7   317.3     0.00     4.00
3.25     YES
 L0009669         0   0.46540E-07  451655.8 3770828.3   317.4     0.00     4.00
3.25     YES
 L0009670         0   0.46540E-07  451664.1 3770828.7   317.4     0.00     4.00
3.25     YES
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY

(METERS) BY

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L0009671	0	0.46540E-07	451672.7	3770828.7	317.4	0.00	4.00	3.25	YES
L0009672	0	0.46540E-07	451681.3	3770828.7	317.4	0.00	4.00	3.25	YES
L0009673	0	0.46540E-07	451689.8	3770828.7	317.4	0.00	4.00	3.25	YES
L0009674	0	0.46540E-07	451698.4	3770828.7	317.5	0.00	4.00	3.25	YES
L0009675	0	0.46540E-07	451707.0	3770828.7	317.5	0.00	4.00	3.25	YES
L0009676	0	0.46540E-07	451715.6	3770828.7	317.5	0.00	4.00	3.25	YES
L0009677	0	0.46540E-07	451724.2	3770828.7	317.5	0.00	4.00	3.25	YES
L0009678	0	0.46540E-07	451732.8	3770828.7	317.5	0.00	4.00	3.25	YES
L0009679	0	0.46540E-07	451741.4	3770828.7	317.5	0.00	4.00	3.25	YES
L0009680	0	0.46540E-07	451750.0	3770828.7	317.5	0.00	4.00	3.25	YES
L0009681	0	0.46540E-07	451758.6	3770828.7	317.6	0.00	4.00	3.25	YES
L0009682	0	0.46540E-07	451767.2	3770828.7	317.7	0.00	4.00	3.25	YES
L0009683	0	0.46540E-07	451775.7	3770828.7	317.8	0.00	4.00	3.25	YES
L0009684	0	0.46540E-07	451784.3	3770828.8	317.8	0.00	4.00	3.25	YES
L0009685	0	0.46540E-07	451792.9	3770828.8	317.8	0.00	4.00	3.25	YES
L0009686	0	0.46540E-07	451801.5	3770828.8	317.8	0.00	4.00	3.25	YES
L0009687	0	0.46540E-07	451810.1	3770828.8	317.8	0.00	4.00	3.25	YES
L0009688	0	0.46540E-07	451818.7	3770828.8	317.9	0.00	4.00	3.25	YES
L0009689	0	0.46540E-07	451827.3	3770828.8	318.0	0.00	4.00	3.25	YES
L0009690	0	0.46540E-07	451835.9	3770828.8	318.1	0.00	4.00	3.25	YES
L0009691	0	0.46540E-07	451844.5	3770828.8	318.2	0.00	4.00	3.25	YES
L0009692	0	0.46540E-07	451853.1	3770828.8	318.3	0.00	4.00	3.25	YES

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 L0009693         0   0.46540E-07  451861.6 3770828.8   318.4     0.00     4.00
3.25     YES
 L0009694         0   0.46540E-07  451870.2 3770828.8   318.4     0.00     4.00
3.25     YES
 L0009695         0   0.46540E-07  451878.8 3770828.8   318.6     0.00     4.00
3.25     YES
 L0009696         0   0.46540E-07  451887.4 3770828.8   318.7     0.00     4.00
3.25     YES
 L0009697         0   0.46540E-07  451896.0 3770828.8   318.8     0.00     4.00
3.25     YES
 L0009698         0   0.46540E-07  451904.6 3770828.8   318.9     0.00     4.00
3.25     YES
 L0009699         0   0.46540E-07  451913.2 3770828.8   319.1     0.00     4.00
3.25     YES
 L0009700         0   0.46540E-07  451921.8 3770828.8   319.3     0.00     4.00
3.25     YES
 L0009701         0   0.46540E-07  451930.4 3770828.8   319.5     0.00     4.00
3.25     YES
 L0009702         0   0.46540E-07  451939.0 3770828.9   319.7     0.00     4.00
3.25     YES
 L0009703         0   0.46540E-07  451947.5 3770828.9   319.8     0.00     4.00
3.25     YES
 L0009704         0   0.46540E-07  451956.1 3770828.9   319.9     0.00     4.00
3.25     YES
 L0009705         0   0.46540E-07  451964.7 3770828.9   319.9     0.00     4.00
3.25     YES
 L0009706         0   0.46540E-07  451973.3 3770828.9   319.8     0.00     4.00
3.25     YES
 L0009707         0   0.46540E-07  451981.9 3770828.9   319.7     0.00     4.00
3.25     YES
 L0009708         0   0.46540E-07  451990.5 3770828.9   319.7     0.00     4.00
3.25     YES
 L0009709         0   0.46540E-07  451999.1 3770828.9   319.7     0.00     4.00
3.25     YES
 L0009710         0   0.46540E-07  452007.7 3770828.9   319.7     0.00     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:01:03

                                    PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
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INIT. SOURCE ID	URBAN PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE
L0009711	0	0.46540E-07	452016.3	3770828.9	319.7	0.00	4.00	3.25	YES
L0009712	0	0.46540E-07	452024.9	3770828.9	319.7	0.00	4.00	3.25	YES
L0009713	0	0.46540E-07	452033.4	3770828.9	319.7	0.00	4.00	3.25	YES
L0009714	0	0.46540E-07	452042.0	3770828.9	319.7	0.00	4.00	3.25	YES
L0009715	0	0.46540E-07	452050.6	3770828.9	319.7	0.00	4.00	3.25	YES
L0009716	0	0.46540E-07	452059.2	3770828.9	319.7	0.00	4.00	3.25	YES
L0009717	0	0.46540E-07	452067.8	3770828.9	319.7	0.00	4.00	3.25	YES
L0009718	0	0.46540E-07	452076.4	3770828.9	319.7	0.00	4.00	3.25	YES
L0009719	0	0.46540E-07	452085.0	3770828.9	319.7	0.00	4.00	3.25	YES
L0009720	0	0.46540E-07	452093.6	3770829.0	319.7	0.00	4.00	3.25	YES
L0009721	0	0.46540E-07	452102.2	3770829.0	319.7	0.00	4.00	3.25	YES
L0009722	0	0.46540E-07	452110.8	3770829.0	319.7	0.00	4.00	3.25	YES
L0009723	0	0.46540E-07	452119.3	3770829.0	319.7	0.00	4.00	3.25	YES
L0009724	0	0.46540E-07	452127.9	3770829.0	319.7	0.00	4.00	3.25	YES
L0009725	0	0.46540E-07	452136.5	3770829.0	319.7	0.00	4.00	3.25	YES
L0009726	0	0.46540E-07	452145.1	3770829.0	319.7	0.00	4.00	3.25	YES
L0009727	0	0.46540E-07	452153.7	3770829.0	319.6	0.00	4.00	3.25	YES
L0009728	0	0.46540E-07	452162.3	3770829.0	319.6	0.00	4.00	3.25	YES
L0009729	0	0.46540E-07	452170.9	3770829.0	319.6	0.00	4.00	3.25	YES
L0009730	0	0.46540E-07	452179.5	3770829.0	319.6	0.00	4.00	3.25	YES

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 L0009731         0   0.46540E-07  452188.1 3770829.0   319.6     0.00     4.00
3.25     YES
 L0009732         0   0.46540E-07  452196.7 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009733         0   0.46540E-07  452205.2 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009734         0   0.46540E-07  452213.8 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009735         0   0.46540E-07  452222.4 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009736         0   0.46540E-07  452231.0 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009737         0   0.46540E-07  452239.6 3770829.0   319.7     0.00     4.00
3.25     YES
 L0009738         0   0.46540E-07  452248.2 3770829.1   319.7     0.00     4.00
3.25     YES
 L0009739         0   0.46540E-07  452256.8 3770829.1   319.7     0.00     4.00
3.25     YES
 L0009740         0   0.46540E-07  452265.4 3770829.1   319.7     0.00     4.00
3.25     YES
 L0009741         0   0.46540E-07  452274.0 3770829.1   319.8     0.00     4.00
3.25     YES
 L0009742         0   0.46540E-07  452282.6 3770829.1   319.9     0.00     4.00
3.25     YES
 L0009743         0   0.46540E-07  452291.1 3770829.1   320.0     0.00     4.00
3.25     YES
 L0009744         0   0.46540E-07  452299.7 3770829.1   320.1     0.00     4.00
3.25     YES
 L0009745         0   0.46540E-07  452308.3 3770829.1   320.2     0.00     4.00
3.25     YES
 L0009746         0   0.46540E-07  452316.9 3770829.1   320.2     0.00     4.00
3.25     YES
 L0009747         0   0.46540E-07  452325.5 3770829.1   320.4     0.00     4.00
3.25     YES
 L0009748         0   0.46540E-07  452334.1 3770829.1   320.6     0.00     4.00
3.25     YES
 L0009749         0   0.46540E-07  452342.7 3770829.1   320.9     0.00     4.00
3.25     YES
 L0009750         0   0.46540E-07  452351.3 3770829.1   321.0     0.00     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC                ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:01:03

                                    PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0009751	0	0.46540E-07	452359.9	3770829.1	320.9	0.00	4.00	3.25	YES
L0009752	0	0.46540E-07	452368.5	3770829.1	320.9	0.00	4.00	3.25	YES
L0009753	0	0.46540E-07	452377.0	3770829.1	320.8	0.00	4.00	3.25	YES
L0009754	0	0.46540E-07	452385.6	3770829.1	320.7	0.00	4.00	3.25	YES
L0009755	0	0.46540E-07	452394.2	3770829.2	320.7	0.00	4.00	3.25	YES
L0009756	0	0.46540E-07	452402.8	3770829.2	320.7	0.00	4.00	3.25	YES
L0009757	0	0.46540E-07	452411.4	3770829.2	320.7	0.00	4.00	3.25	YES
L0009758	0	0.46540E-07	452420.0	3770829.2	320.7	0.00	4.00	3.25	YES
L0009759	0	0.46540E-07	452428.6	3770829.2	320.6	0.00	4.00	3.25	YES
L0009760	0	0.46540E-07	452437.2	3770829.2	320.6	0.00	4.00	3.25	YES
L0009761	0	0.46540E-07	452445.8	3770829.2	320.6	0.00	4.00	3.25	YES
L0009762	0	0.46540E-07	452454.4	3770829.2	320.7	0.00	4.00	3.25	YES
L0009763	0	0.46540E-07	452462.9	3770829.2	320.7	0.00	4.00	3.25	YES
L0009764	0	0.46540E-07	452471.5	3770829.2	320.7	0.00	4.00	3.25	YES
L0009765	0	0.46540E-07	452480.1	3770829.2	320.6	0.00	4.00	3.25	YES
L0009766	0	0.46540E-07	452488.7	3770829.2	320.4	0.00	4.00	3.25	YES
L0009767	0	0.46540E-07	452497.3	3770829.1	320.3	0.00	4.00	3.25	YES
L0009768	0	0.46540E-07	452505.9	3770829.1	320.4	0.00	4.00	3.25	YES

L0009769	0	0.46540E-07	452514.5	3770829.0	320.5	0.00	4.00	3.25 YES
L0009770	0	0.46540E-07	452523.1	3770829.0	320.6	0.00	4.00	3.25 YES
L0009771	0	0.46540E-07	452531.7	3770829.0	320.7	0.00	4.00	3.25 YES
L0009772	0	0.46540E-07	452540.3	3770828.9	320.8	0.00	4.00	3.25 YES
L0009773	0	0.46540E-07	452548.8	3770828.9	321.0	0.00	4.00	3.25 YES
L0009774	0	0.46540E-07	452557.4	3770828.9	321.2	0.00	4.00	3.25 YES
L0009775	0	0.46540E-07	452566.0	3770828.8	321.2	0.00	4.00	3.25 YES
L0009776	0	0.46540E-07	452574.6	3770828.8	321.3	0.00	4.00	3.25 YES
L0009777	0	0.46540E-07	452583.2	3770828.7	321.4	0.00	4.00	3.25 YES
L0009778	0	0.46540E-07	452591.8	3770828.7	321.4	0.00	4.00	3.25 YES
L0009779	0	0.46540E-07	452600.4	3770828.7	321.5	0.00	4.00	3.25 YES
L0009780	0	0.46540E-07	452609.0	3770828.6	321.6	0.00	4.00	3.25 YES
L0009781	0	0.46540E-07	452617.6	3770828.6	321.7	0.00	4.00	3.25 YES
L0009782	0	0.46540E-07	452626.2	3770828.6	321.8	0.00	4.00	3.25 YES
L0009783	0	0.46540E-07	452634.7	3770828.5	322.0	0.00	4.00	3.25 YES
L0009784	0	0.46540E-07	452643.3	3770828.3	322.1	0.00	4.00	3.25 YES
L0009785	0	0.46540E-07	452651.9	3770828.0	322.3	0.00	4.00	3.25 YES
L0009786	0	0.46540E-07	452660.5	3770827.8	322.4	0.00	4.00	3.25 YES
L0009787	0	0.46540E-07	452669.1	3770827.6	322.5	0.00	4.00	3.25 YES
L0009788	0	0.46540E-07	452677.7	3770827.3	322.6	0.00	4.00	3.25 YES
L0009789	0	0.46540E-07	452686.3	3770827.4	322.6	0.00	4.00	3.25 YES
L0009790	0	0.46540E-07	452694.9	3770827.5	322.6	0.00	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0009791	0	0.46540E-07	452703.4	3770827.7	322.6	0.00	4.00	3.25	YES
L0009792	0	0.46540E-07	452712.0	3770827.8	322.6	0.00	4.00	3.25	YES
L0009793	0	0.46540E-07	452720.6	3770827.9	322.6	0.00	4.00	3.25	YES
L0009794	0	0.46540E-07	452729.2	3770828.0	322.6	0.00	4.00	3.25	YES
L0009795	0	0.46540E-07	452737.8	3770828.2	322.6	0.00	4.00	3.25	YES
L0009796	0	0.46540E-07	452746.4	3770828.3	322.6	0.00	4.00	3.25	YES
L0009797	0	0.46540E-07	452755.0	3770828.2	322.7	0.00	4.00	3.25	YES
L0009798	0	0.46540E-07	452763.6	3770828.0	322.7	0.00	4.00	3.25	YES
L0009799	0	0.46540E-07	452772.2	3770827.8	322.7	0.00	4.00	3.25	YES
L0009800	0	0.46540E-07	452780.7	3770827.8	322.7	0.00	4.00	3.25	YES
L0009801	0	0.46540E-07	452789.3	3770827.9	322.7	0.00	4.00	3.25	YES
L0009802	0	0.46540E-07	452797.9	3770827.9	322.7	0.00	4.00	3.25	YES
L0009803	0	0.46540E-07	452806.5	3770828.0	322.7	0.00	4.00	3.25	YES
L0009804	0	0.46540E-07	452815.1	3770828.0	322.7	0.00	4.00	3.25	YES
L0009805	0	0.46540E-07	452823.7	3770828.1	322.7	0.00	4.00	3.25	YES
L0009806	0	0.46540E-07	452832.3	3770828.1	322.7	0.00	4.00	3.25	YES

L0009807	0	0.46540E-07	452840.9	3770828.2	322.7	0.00	4.00	3.25 YES
L0009808	0	0.46540E-07	452849.5	3770828.2	322.7	0.00	4.00	3.25 YES
L0009809	0	0.46540E-07	452858.0	3770828.3	322.7	0.00	4.00	3.25 YES
L0009810	0	0.46540E-07	452866.6	3770828.3	322.7	0.00	4.00	3.25 YES
L0009811	0	0.46540E-07	452875.2	3770828.4	322.7	0.00	4.00	3.25 YES
L0009812	0	0.46540E-07	452883.8	3770828.4	322.7	0.00	4.00	3.25 YES
L0009813	0	0.46540E-07	452892.4	3770828.5	322.7	0.00	4.00	3.25 YES
L0009814	0	0.46540E-07	452901.0	3770828.6	322.7	0.00	4.00	3.25 YES
L0009815	0	0.46540E-07	452909.6	3770828.6	322.7	0.00	4.00	3.25 YES
L0009816	0	0.46540E-07	452918.2	3770828.7	322.7	0.00	4.00	3.25 YES
L0009817	0	0.46540E-07	452926.8	3770828.7	322.7	0.00	4.00	3.25 YES
L0009818	0	0.46540E-07	452935.4	3770828.8	322.7	0.00	4.00	3.25 YES
L0009819	0	0.46540E-07	452943.9	3770828.8	322.7	0.00	4.00	3.25 YES
L0009820	0	0.46540E-07	452952.5	3770828.9	322.7	0.00	4.00	3.25 YES
L0009821	0	0.46540E-07	452961.1	3770828.9	322.7	0.00	4.00	3.25 YES
L0009822	0	0.46540E-07	452969.7	3770829.0	322.7	0.00	4.00	3.25 YES
L0009823	0	0.46540E-07	452978.3	3770829.0	322.7	0.00	4.00	3.25 YES
L0009824	0	0.46540E-07	452986.9	3770829.1	322.7	0.00	4.00	3.25 YES
L0009825	0	0.46540E-07	452995.5	3770829.1	322.7	0.00	4.00	3.25 YES
L0009826	0	0.46540E-07	453004.1	3770829.2	322.7	0.00	4.00	3.25 YES
L0009827	0	0.46540E-07	453012.7	3770829.2	322.7	0.00	4.00	3.25 YES
L0009828	0	0.46540E-07	453021.3	3770829.3	322.7	0.00	4.00	3.25 YES
L0009829	0	0.46540E-07	453029.8	3770829.3	322.7	0.00	4.00	3.25 YES
L0009830	0	0.46540E-07	453038.4	3770829.4	322.7	0.00	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0009831	0	0.46540E-07	453047.0	3770829.4	322.7	0.00	4.00	3.25	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 , L0008237 , L0008238 ,
	L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 , L0008245 , L0008246 ,
	L0008247 , L0008248 , L0008249 , L0008250 , L0008251 , L0008252 , L0008253 , L0008254 ,
	L0008255 , L0008256 , L0008257 , L0008258 , L0008259 ,

L0008260 , L0008261 , L0008262 ,

L0008263 , L0008264 , L0008265 , L0008266 , L0008267 ,
L0008268 , L0008269 , L0008270 ,

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L0008300 , L0008301 , L0008302 ,

L0008303 , L0008304 , L0008305 , L0008306 , L0008307 ,
L0008308 , L0008309 , L0008310 ,

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L0008316 , L0008317 , L0008318 ,

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L0008383 , L0008384 , L0008385 , L0008386 , L0008387 ,

L0008388 , L0008389 , L0008390 ,
↟ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112 HRA TRUS.ISC *** 03/14/20
*** AERMET - VERSION 16216 *** ***
*** 15:01:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
	L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , L0008414 ,
	L0008415 , L0008416 , L0008417 , L0008418 , L0008419 , L0008420 , L0008421 , L0008422 ,
	L0008423 , L0008424 , L0008425 , L0008426 , L0008427 , L0008428 , L0008429 , L0008430 ,
	L0008431 , L0008432 , L0008433 , L0008434 , L0008435 , L0008436 , L0008437 , L0008438 ,
	L0008439 , L0008440 , L0008441 , L0008442 , L0008443 , L0008444 , L0008445 , L0008446 ,
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L0008548 , L0008549 , L0008550 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** AERMET - VERSION 16216 *** ***
*** 15:01:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112 HRA TRUS.ISC *** 03/14/20
*** AERMET - VERSION 16216 *** ***
*** 15:01:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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*** AERMET - VERSION 16216 *** ***
*** 15:01:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0008727 , L0008728 , L0008729 , L0008730 , L0008731 ,
L0008732 , L0008733 , L0008734 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0008871 , L0008872 , L0008873 , L0008874 , L0008875 , L0008876 , L0008877 , L0008878 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0009036 , L0009037 , L0009038 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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		L0009215 , L0009216 , L0009217 , L0009218 , L0009219 , L0009220 , L0009221 , L0009222 ,
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		L0009231 , L0009232 , L0009233 , L0009234 , L0009235 , L0009236 , L0009237 , L0009238 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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L0009828   , L0009829   , L0009830   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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             L0009831   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                       *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (453707.2, 3770316.5,   317.2,   317.2,   0.0);   (453730.8,
3770339.8,   317.4,   317.4,   0.0);
     (453745.6, 3770374.7,   317.8,   317.8,   0.0);   (453815.5,
3770425.1,   318.3,   318.3,   0.0);
     (453853.8, 3770421.1,   318.2,   318.2,   0.0);   (453871.0,
3770421.7,   318.2,   318.2,   0.0);
     (453837.8, 3770377.6,   317.9,   317.9,   0.0);   (453911.1,
3770426.8,   318.4,   318.4,   0.0);
     (453905.9, 3770374.2,   318.0,   318.0,   0.0);   (453943.7,
3770372.4,   318.0,   318.0,   0.0);
     (453964.9, 3770373.0,   318.0,   318.0,   0.0);   (452757.1,
3770508.8,   317.0,   317.0,   0.0);
     (452361.6, 3770783.3,   319.9,   319.9,   0.0);   (452355.4,
3770640.6,   317.2,   317.2,   0.0);
     (452366.3, 3770468.5,   314.6,   314.6,   0.0);   (452599.0,

3770510.4,   316.2,   316.2,   0.0);
     (452673.4, 3770515.0,   316.9,   316.9,   0.0);   (453310.9,
3770753.9,   322.0,   322.0,   0.0);
     (453310.9, 3770684.1,   320.9,   320.9,   0.0);   (453310.9,
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     (453310.9, 3770428.1,   317.3,   317.3,   0.0);   (453303.1,
3770359.9,   317.2,   317.2,   0.0);
     (453303.1, 3770294.8,   317.2,   317.2,   0.0);   (453469.6,
3770354.7,   317.5,   317.5,   0.0);
     (453454.7, 3770687.9,   321.5,   321.5,   0.0);   (452397.7,
3770931.7,   323.1,   323.1,   0.0);
     (452034.1, 3770924.7,   320.6,   320.6,   0.0);   (452250.9,
3770938.7,   322.7,   322.7,   0.0);
     (452317.0, 3770932.9,   323.2,   323.2,   0.0);   (451996.6,
3770781.3,   319.1,   319.1,   0.0);
     (452854.8, 3770983.0,   326.1,   326.1,   0.0);   (452944.6,
3770997.6,   326.6,   326.6,   0.0);
     (453145.3, 3770950.0,   326.7,   326.7,   0.0);   (453282.6,
3771039.8,   327.0,   327.0,   0.0);
     (452396.4, 3770378.2,   313.6,   313.6,   0.0);   (452254.7,
3770317.4,   312.3,   312.3,   0.0);
     (452393.9, 3770231.4,   311.3,   311.3,   0.0);   (452583.6,
3770375.6,   314.3,   314.3,   0.0);
     (452581.1, 3770226.4,   312.0,   312.0,   0.0);   (452750.6,
3770360.4,   315.0,   315.0,   0.0);
     (452758.2, 3770208.6,   312.8,   312.8,   0.0);   (453545.0,
3770752.6,   322.6,   322.6,   0.0);
     (453580.5, 3770628.6,   321.0,   321.0,   0.0);   (453603.2,
3770403.5,   317.9,   317.9,   0.0);
     (453605.8, 3770299.7,   316.9,   316.9,   0.0);   (453388.8,
3771036.1,   327.4,   327.4,   0.0);
     (453644.8, 3770762.1,   323.3,   323.3,   0.0);   (453650.4,
3770608.3,   320.9,   320.9,   0.0);
     (453085.7, 3770796.8,   322.3,   322.3,   0.0);   (455523.5,
3771063.3,   334.6,   334.6,   0.0);
     (455623.7, 3771226.5,   338.0,   338.0,   0.0);   (455526.9,
3771228.8,   337.1,   337.1,   0.0);
     (455743.4, 3771303.9,   340.6,   340.6,   0.0);   (455927.5,
3771343.6,   341.9,   341.9,   0.0);
     (451431.0, 3770697.2,   316.1,   316.1,   0.0);   (451431.0,
3770260.4,   309.7,   309.7,   0.0);
     (451431.0, 3770514.9,   313.2,   313.2,   0.0);   (451911.4,
3770490.2,   314.0,   314.0,   0.0);
     (451911.4, 3770294.6,   311.2,   311.2,   0.0);   (451919.0,
3769968.0,   305.0,   305.0,   0.0);
     (451552.5, 3770087.6,   307.9,   307.9,   0.0);   (452135.4,
3770059.2,   309.4,   309.4,   0.0);
     (454530.7, 3770957.3,   328.0,   328.0,   0.0);   (454683.0,

3770964.1,   329.0,   329.0,   0.0);
     (454346.5, 3770717.6,   323.0,   323.0,   0.0);   (454544.8,
3770765.3,   325.6,   325.6,   0.0);
     (454640.2, 3770782.4,   326.1,   326.1,   0.0);   (454827.1,
3770774.8,   327.0,   327.0,   0.0);
     (454832.8, 3770721.4,   326.1,   326.1,   0.0);   (454451.3,
3770772.9,   325.0,   325.0,   0.0);
     (454347.2, 3770805.0,   324.6,   324.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

               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,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
Met Version: 16216
Profile file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:   3102   Upper air station no.:   3190
Name: UNKNOWN   Name: UNKNOWN

Year: 2011   Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82						

```
0.25    1.80   83.    9.1  279.9    5.5
 11 01 01   1 11  179.8  0.316  1.733  0.005 1017.  426.    -15.4  0.25   2.82
0.22    2.20   58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82
0.21    2.20  115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82
0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82
0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC               ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                          ***        15:01:03

                                     PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                     INCLUDING SOURCE(S):     L0008231    , L0008232
```

, L0008233 , L0008234 , L0008235 ,
L0008236 , L0008237 , L0008238 , L0008239 , L0008240
, L0008241 , L0008242 , L0008243 ,
L0008244 , L0008245 , L0008246 , L0008247 , L0008248
, L0008249 , L0008250 , L0008251 ,
L0008252 , L0008253 , L0008254 , L0008255 , L0008256
, L0008257 , L0008258 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
453707.24	3770316.51	0.00021	453730.75	3770339.81	0.00021
453745.64	3770374.74	0.00021	453815.48	3770425.12	0.00021
453853.84	3770421.11	0.00020	453871.01	3770421.68	0.00020
453837.81	3770377.60	0.00020	453911.09	3770426.83	0.00019
453905.93	3770374.16	0.00018	453943.72	3770372.45	0.00018
453964.90	3770373.02	0.00017	452757.15	3770508.80	0.00102
452361.65	3770783.33	0.00112	452355.44	3770640.64	0.00055
452366.30	3770468.48	0.00041	452598.95	3770510.36	0.00067
452673.40	3770515.01	0.00083	453310.86	3770753.86	0.00114
453310.86	3770684.07	0.00092	453310.86	3770611.17	0.00075
453310.86	3770428.15	0.00046	453303.11	3770359.91	0.00040
453303.11	3770294.77	0.00035	453469.64	3770354.69	0.00030
453454.71	3770687.88	0.00061	452397.71	3770931.73	0.00083
452034.09	3770924.74	0.00072	452250.87	3770938.72	0.00072
452317.01	3770932.92	0.00078	451996.57	3770781.28	0.00099

```
         452854.75    3770983.04        0.00124                          452944.56
3770997.57        0.00111
         453145.29    3770950.03        0.00143                          453282.64
3771039.83        0.00080
         452396.40    3770378.16        0.00037                          452254.71
3770317.44        0.00031
         452393.87    3770231.42        0.00030                          452583.62
3770375.63        0.00048
         452581.09    3770226.36        0.00035                          452750.60
3770360.45        0.00058
         452758.19    3770208.65        0.00038                          453545.03
3770752.61        0.00064
         453580.45    3770628.64        0.00041                          453603.22
3770403.46        0.00027
         453605.75    3770299.73        0.00023                          453388.82
3771036.08        0.00073
         453644.79    3770762.14        0.00060                          453650.40
3770608.33        0.00035
         453085.74    3770796.76        0.00560                          455523.50
3771063.27        0.00008
         455623.69    3771226.50        0.00008                          455526.88
3771228.75        0.00009
         455743.41    3771303.91        0.00007                          455927.51
3771343.64        0.00007
         451430.95    3770697.19        0.00028                          451430.95
3770260.45        0.00029
         451430.95    3770514.90        0.00030                          451911.36
3770490.21        0.00039
         451911.36    3770294.63        0.00034                          451918.95
3769968.02        0.00027
         451552.47    3770087.65        0.00054                          452135.42
3770059.17        0.00023
         454530.67    3770957.35        0.00032                          454683.02
3770964.08        0.00028
         454346.45    3770717.61        0.00030                          454544.80
3770765.29        0.00040
         454640.16    3770782.45        0.00048                          454827.07
3770774.82        0.00033
         454832.80    3770721.42        0.00020                          454451.35
3770772.92        0.00045
         454347.20    3770805.04        0.00076

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12112 HRA TRUS\12112
HRA TRUS.ISC                ***        03/14/20
 *** AERMET - VERSION  16216 ***   ***
                            ***        15:01:03
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   5 YEARS ***

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

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00560 AT (453085.74, 3770796.76, 322.28, 322.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00143 AT (453145.29, 3770950.03, 326.68, 326.68, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00124 AT (452854.75, 3770983.04, 326.09, 326.09, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00114 AT (453310.86, 3770753.86, 322.03, 322.03, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00112 AT (452361.65, 3770783.33, 319.94, 319.94, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00111 AT (452944.56, 3770997.57, 326.55, 326.55, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00102 AT (452757.15, 3770508.80, 317.03, 317.03, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00099 AT (451996.57, 3770781.28, 319.12, 319.12, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00092 AT (453310.86, 3770684.07, 320.94, 320.94, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00083 AT (452397.71, 3770931.73, 323.11, 323.11, 0.00)	DC	

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

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    3457       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    3457       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
  12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
  12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
  12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
  15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

AVERAGE EMISSION FACTOR
SAN BERNARDINO 2020

Speed	LHD1	MHD	HHD
0	0.368	0.226104	0.02848
5	0.038326	0.204018	0.13117
25	0.013428	0.072307	0.05076

Speed	**Weighted Average Emissions**
0	**0.13996**
5	**0.12244**
25	**0.04592**

Emission Rates - 2020 Emission Factors

Truck Emission Rates						
Source	**Trucks Per Day**	**VMT [a] (miles/day)**	**Truck Emission Rate [b] (grams/mile)**	**Truck Emission Rate [b] (grams/idle-hour)**	**Daily Truck Emissions [c] (grams/day)**	**Modeled Emission Rates (g/second)**
On-Site Idling	35			0.1400	4.61	5.338E-05
On-Site Travel Dwy. 3 (65%)	46	10.52	0.1224		1.70	1.962E-05
On-Site Travel Dwy 4. (35%)	25	2.75	0.1224		0.44	5.122E-06
Off-Site Travel 25% Outbound Dwy. 4	9	9.84	0.0459		0.60	6.991E-06
Off-Site Travel 10% Outbound Dwy. 3	4	4.59	0.0459		0.28	3.265E-06
Off-Site Travel 65% Outbound Dwy. 3	23	32.01	0.0459		1.97	2.275E-05
Off-Site Travel 35% Inbound Dwy. 3	12	16.23	0.0459		1.00	1.154E-05
Off-Site Travel 30% Inbound Dwy. 3	11	14.50	0.0459		0.89	1.031E-05
Off-Site Travel 35% Inbound Dwy. 4	12	18.92	0.0459		1.16	1.345E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

Idling / TRU Unmitigated

Emission Factor:		
TRU EF	0.12	g/bhp-hr
TRU HP	23	HP
TRU Load Factor	0.46	
TRU EF @23 HP and 0.53 LF	1.2696	g/idle-hr
Emission Factor:		
TRU EF	0.01	g/bhp-hr
TRU HP	34	HP
TRU Load Factor	0.53	
TRU EF @34 HP and 0.53 LF	0.1802	g/idle-hr
Emission Factor:		
Weighted Avg TRU EF (60% 25+ HP, 40% <25 HP)	0.61596	g/idle-hr

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim
2020	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	5
2020	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	25
2020	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	5
2020	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	25
2020	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	5
2020	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	25
2020	Annual	San Bernar	HHDT	Dsl			IDLEX	
2020	Annual	San Bernar	LHDT1	Dsl			IDLEX	
2020	Annual	San Bernar	MHDT	Dsl			IDLEX	

pollutant	emission_rate
PM10	0.13646
PM10	0.05281
PM10	0.082601
PM10	0.028941
PM10	0.231545
PM10	0.082063
PM10	0.029628
PM10	0.793125
PM10	0.256611

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
SAN BERN	2020	HHDT	Aggregate	Aggregate	GAS	9.540219
SAN BERN	2020	HHDT	Aggregate	Aggregate	DSL	27707.12
SAN BERN	2020	HHDT	Aggregate	Aggregate	NG	1108.036
SAN BERN	2020	LHDT1	Aggregate	Aggregate	GAS	26438.2
SAN BERN	2020	LHDT1	Aggregate	Aggregate	DSL	22885.62
SAN BERN	2020	MHDT	Aggregate	Aggregate	GAS	2348.721
SAN BERN	2020	MHDT	Aggregate	Aggregate	DSL	17407.58

HHDT% GAS/NG	0.038771
HHDT% DSL	0.961229
LHDT1% GAS	0.536013
LHDT1% DSL	0.463987
MHDT% GAS	0.118885
MHDT% DSL	0.881115

APPENDIX 2.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00021	2.10E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.3E-08	2.3E-09	5.0E+00	1.4E-03	4.2E-05							
TOTAL								2.3E-09			4.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00021	2.10E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.2E-07	5.6E-08	5.0E+00	1.4E-03	4.2E-05							
TOTAL								5.6E-08			4.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00021	2.10E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.2E-07	5.2E-08	5.0E+00	1.4E-03	4.2E-05							
TOTAL								5.2E-08			4.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00021	2.10E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.3E-08	8.1E-09	5.0E+00	1.4E-03	4.2E-05							
TOTAL								8.1E-09			4.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
								0.01										

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 0.12

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	5.60E-03	5.60E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.8E-07	3.3E-07	5.0E+00	1.4E-03	1.1E-03							
	TOTAL								3.4E-07			1.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.34										

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	9.00E-05	9.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.5E-08	1.0E-08	5.0E+00	1.4E-03	1.8E-05							
	TOTAL								3.1E-08			5.4E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.03										

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	180
exposure duration (years)	9
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
age sensitivity factor (ages 4-13)	3