The Park @ Live Oak

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF IRWINDALE

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	Atmospheric Dispersion Modeling System
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	The Park @ Live Oak
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 evaluated the potential mobile source health risk impacts to nearby sensitive receptors (residents and schools) and workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site as well as TACs resulting from potential gasoline dispensing in the event that a gas station is developed on the site as permitted by the Project's proposed Specific Plan. 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 TAC emissions are provided in Table ES-1.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is located approximately 1,900 feet north of the Project site near existing industrial uses west of Mountain Avenue and east of El Toro Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project TAC source emissions is calculated at an estimate of 0.54 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 0.0002, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is located south of the Project site at the Irwindale Event Center on the south side of Live Oak Avenue. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location attributable to the Project is calculated at an estimate of 1.12 in one million which is less than the significance threshold of 10 in one million. Maximum non-cancer risks attributable to the Project at this same location were calculated to be 0.001, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project TAC source emissions is at the Beardslee Elementary School located roughly 4,532 feet north 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 0.73 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 0.00009, 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. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

Cumulative Exposure:

The results of the analysis also indicate that the Project will not result in a significant cumulatively considerable health risk. Section 2.7 contains a detailed cumulative analysis for the Project.

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	0.54	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	1.12	10	NO
9 Year Exposure	Maximum Exposed School Child	0.73	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.0002	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.001	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.00009	1.0	NO

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 as well as TACs resulting from potential gasoline dispensing in the event that a gas station is developed on the site as permitted by the Project's proposed Specific Plan.

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. 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 TAC 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 The Park @ Live Oak Project is located west of the Interstate 605 (I-605) freeway between Arrow Highway and Live Oak Avenue in the City of Irwindale, as shown on Exhibit 1-A. I-605 is located immediately east of the Project site, and El Monte Airport is located roughly 2.8 miles southwest of the Project site. Existing land uses in the Project study area include quarry and industrial uses north, east, and west of the Project site, and the Irwindale Event Center to the south across Live Oak Avenue.

1.2 PROJECT DESCRIPTION

The Project Applicant is proposing the entitlement of a Specific Plan for the Project site. The proposed Specific Plan identifies allowable uses for each Planning Area (PA), specifies the maximum square footage of building space permitted, and sets forth development standards and guidelines that will be required to be followed when development is implemented. For purposes of this HRA, the analysis has assumed the following mix of land uses based on (i) the allowable uses and intensities identified in the Specific Plan and (ii) a conservative assessment of potential market absorption:

- PA 1: 412,500 square feet High-Cube Fulfillment Center Warehouse[1]
- PA 1: 412,500 square feet of High-Cube Transload and Short-Term Storage Warehouse (Without Cold Storage)
- PA 1A: 8,700 square feet of Fast Food Restaurant with Drive-through Window
- PA 1A: 12,000 square feet of Fast Food Restaurant without Drive-through Window
- PA 1A: 12,000 square feet of Commercial Retail use
- PA 1A: 8 vehicle fueling position Gas Station with Convenience Market
- PA 2: 218,400 square feet of High-Cube Transload and Short-Term Storage Warehouse (Without Cold Storage)
- PA 2: 54,600 square feet of General Light Industrial
- PA 2: 60,000 square feet of Warehousing
- PA 3: 102,000 square feet of Manufacturing
- PA 3: 191,400 square feet of Warehousing
- PA 3A: 3,000 square feet of Coffee-shop with Drive-Through Window
- PA 3A: 7,000 square feet of Fast Food Restaurant without Drive-through Window
- PA 3A: 10,500 square feet of Commercial Retail use
- PA 4: 47,000 square feet of Commercial Retail use

The Specific Plan's land use plan showing the various planning areas is shown on Exhibit 1-B. The anticipated Opening Year for the Project is 2020.

Per *The Park @ Live Oak Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a net total of approximately 14,607 trip-ends per day (actual vehicles).

[1] It should be noted that up to 387,500 square feet of High-Cube Warehouse (With Cold Storage) may be developed in lieu of 387,500 square feet of High-Cube Fulfillment Center Warehouse use or a combination of High-Cube Fulfillment Center Warehouse, Warehousing, and/or Manufacturing uses. Please refer to Appendix 3.2 for a more detailed explanation on how Project land uses have been analyzed in the HRA modeling.

(3) The Project trip generation includes 808 truck trip-ends per day from the proposed Project site. This health risk assessment relies on the Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the study area roadway network.

1.3 PROJECT DESIGN FEATURES

The Project incorporates and expresses the following design features and attributes promoting energy efficiency and sustainability. Because these features/attributes are integral to the Project, they are not considered to be mitigation measures.

- All on-site *outdoor* cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM_{10}).
- All on-site *indoor* forklifts will be powered by electricity.

1.4 MITIGATION MEASURES

No significant health risk impacts occur and therefore no mitigation is required.

EXHIBIT 1-A: LOCATION MAP

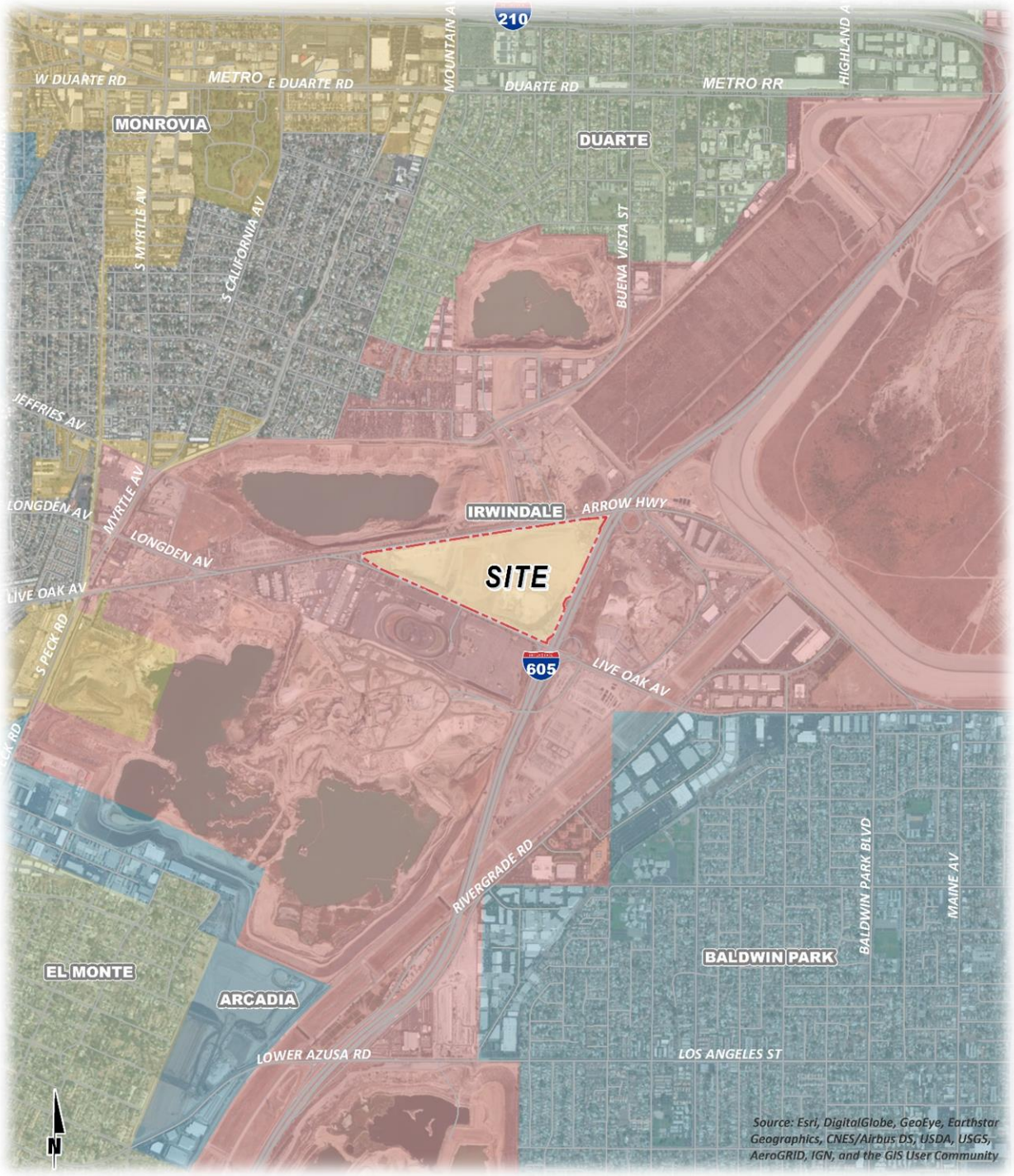
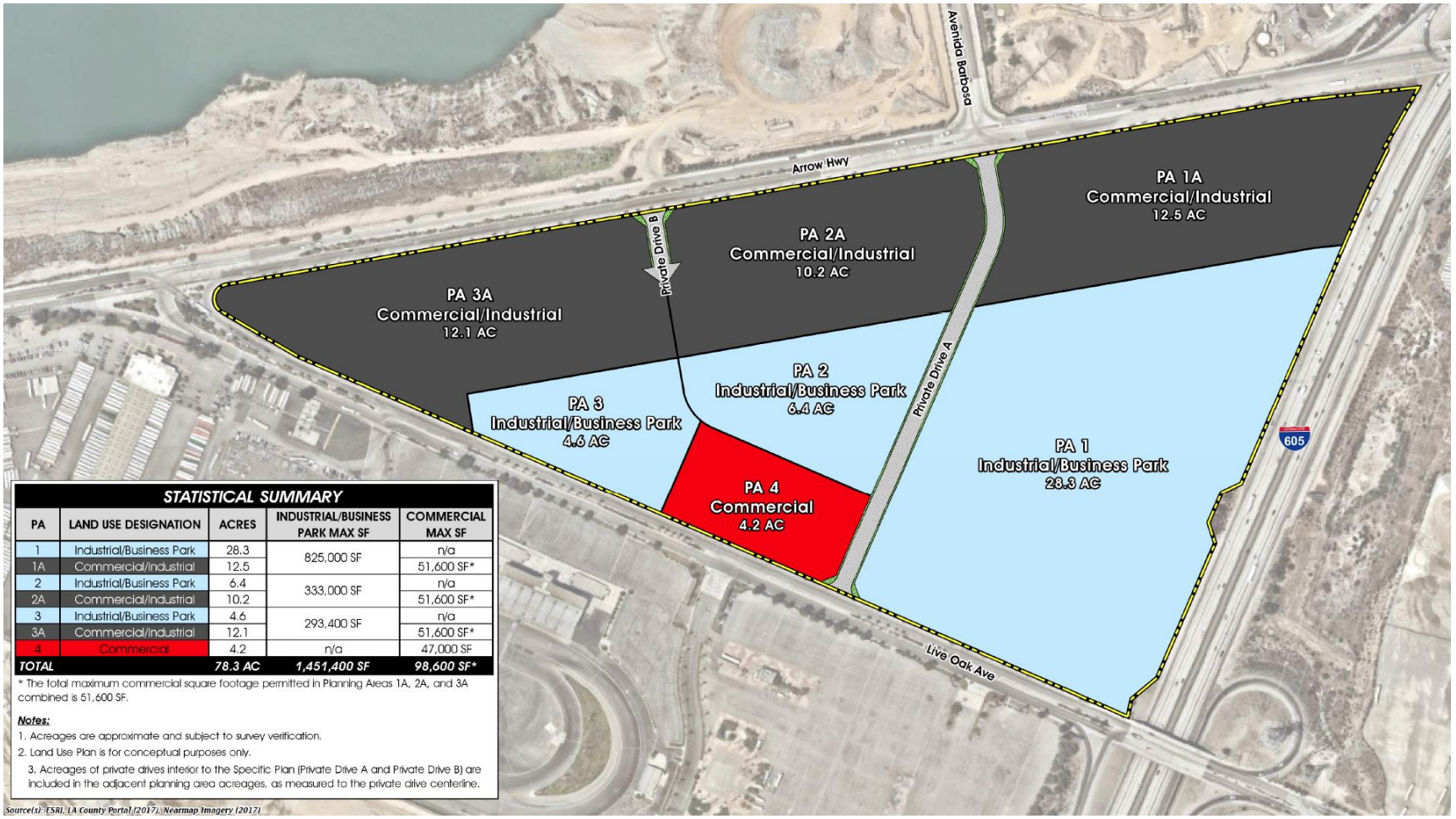


EXHIBIT 1-B: SPECIFIC PLAN LAND USE PLAN



STATISTICAL SUMMARY

PA	LAND USE DESIGNATION	ACRES	INDUSTRIAL/BUSINESS PARK MAX SF	COMMERCIAL MAX SF
1	Industrial/Business Park	28.3	825,000 SF	n/a
1A	Commercial/Industrial	12.5		51,600 SF*
2	Industrial/Business Park	6.4	333,000 SF	n/a
2A	Commercial/Industrial	10.2		51,600 SF*
3	Industrial/Business Park	4.6	293,400 SF	n/a
3A	Commercial/Industrial	12.1		51,600 SF*
4	Commercial	4.2	n/a	47,000 SF
TOTAL		*78.3 AC*	*1,451,400 SF*	*98,600 SF**

* The total maximum commercial square footage permitted in Planning Areas 1A, 2A, and 3A combined is 51,600 SF.

Notes:

1. Acreages are approximate and subject to survey verification.
2. Land Use Plan is for conceptual purposes only.
3. Acreages of private drives interior to the Specific Plan (Private Drive A and Private Drive B) are included in the adjacent planning area acreages, as measured to the private drive centerline.

Source(s): ESRI, LA County Portal (2017), Nearmap Imagery (2017)

2 BACKGROUND

2.1 EXISTING CONDITIONS TOXIC AIR CONTAMINANTS

TOXIC AIR CONTAMINANTS (TACS) IMPROVEMENT

In 1984, as a result of public concern for exposure to airborne carcinogens, the ARB adopted regulations to reduce the amount of air toxic contaminant emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products.

According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article which was prepared for ARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined substantially (4). The seven TACs studied shown below include those that are derived from mobile sources: diesel particulate matter (DPM), benzene, and 1,3-butadiene; those that are derived from stationary sources: perchloroethylene and hexavalent chromium; and those derived from photochemical reactions of emitted VOCs: formaldehyde and acetaldehyde[2]. TACs data was gathered at monitoring sites from both the Bay Area and South Coast Air Basins, as shown on Exhibit 2-A; Several of the sites in the SCAB include Reseda, Compton, Rubidoux, Burbank, and Fontana. The decline in ambient concentration and emission trends of these TACs are a result of various regulations ARB has implemented to address cancer risk.

Rule 461 Gasoline Transfer and Dispensing

SCAQMD Rule 461 requires testing of vapor recovery systems for new and in-use gasoline dispensing facilities. This rule applies to the transfer of gasoline from any tank truck, trailer, or railroad tank car into any stationary storage tan or mobile fueler, and from any stationary storage tank or mobile fueler into any mobile fueler or motor vehicle fuel tank (5).

Mobile Source TACs

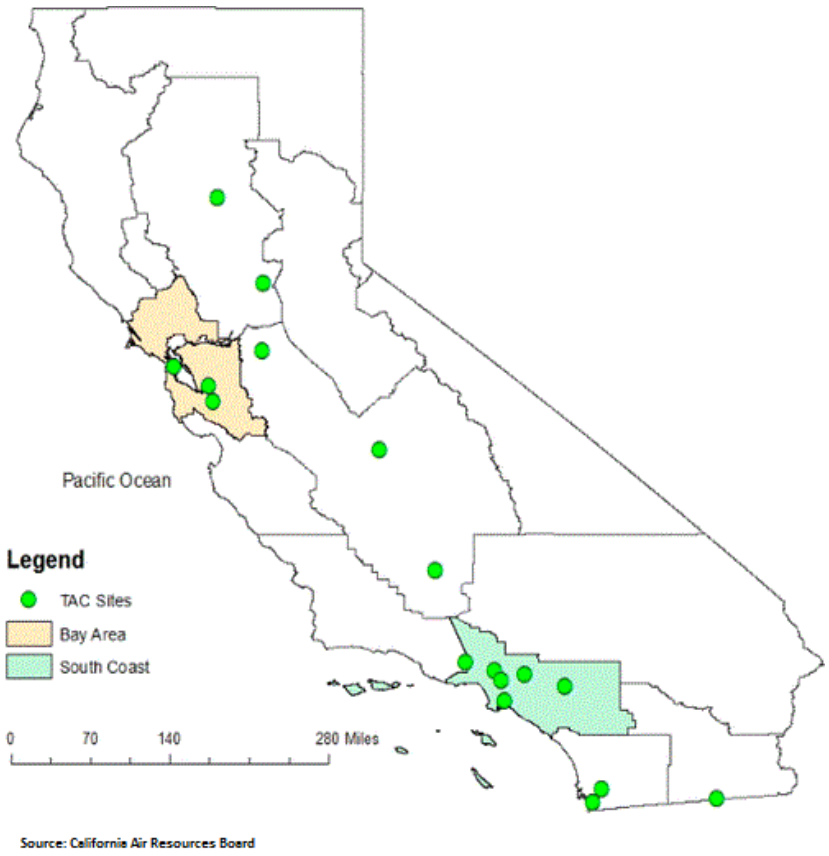
The ARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. Since 1996, light-duty vehicles sold in California are equipped with California's second-generation On-Board Diagnostic (OBD-II) system as a result of about half of total car emissions stemming from emissions control device malfunctions. ARB's phase II Reformulated Gasoline (RFG-2) regulation, adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the motor vehicle regulations (4)[3,4].

[2] It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

3 Appendix 2.1 includes an article from The Press Enterprise that summarizes the data published by ARB in the Environmental Science and Technology Journal.

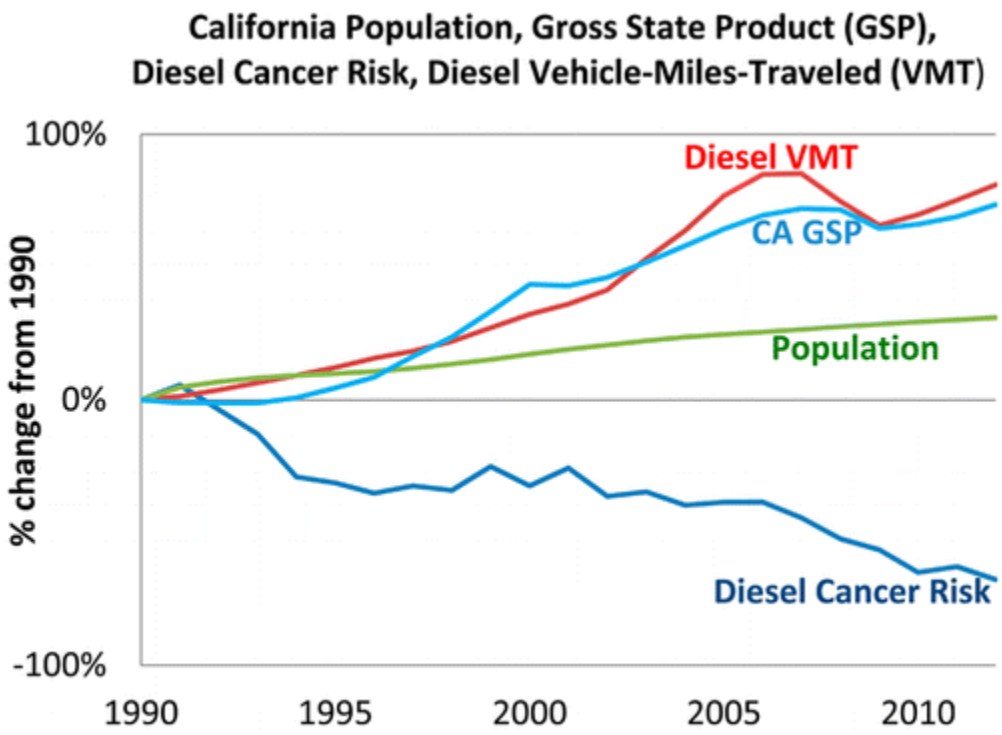
[4] http://www.arb.ca.gov/newsrel/newsrelease.php?id=758

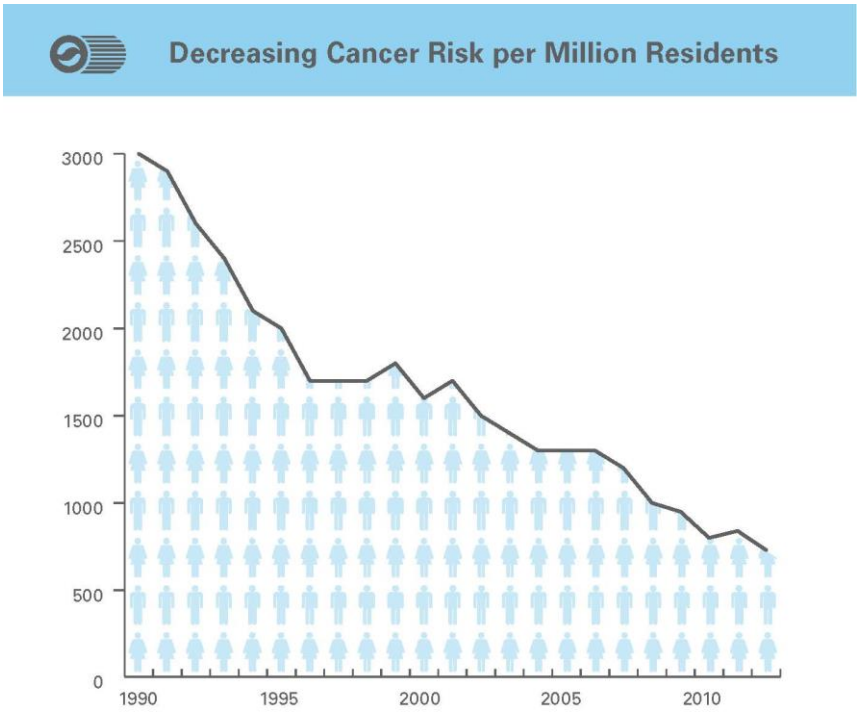
EXHIBIT 2-A: CALIFORNIA TOXIC AIR CONTAMINANT MONITORING SITES



In 2000, ARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68%, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, ARB expects a DPM decline of 71% for 2000-2020.

EXHIBIT 2-B: DIESEL PARTICULATE MATTER AND DIESEL VEHICLE MILES TREND





Source: California Air Resources Board

DIESEL REGULATIONS

The ARB and the Ports of Los Angeles and Long Beach have adopted several iterations of regulations for diesel trucks that are aimed at reducing diesel particulate matter (DPM). More specifically, the ARB Drayage Truck Regulation (6), the ARB statewide On-road Truck and Bus Regulation (7), and the Ports of Los Angeles and Long Beach "Clean Truck Program" (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (8). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HHDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from ARB, overall cancer risk throughout the basin has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, the State of California Air Resources Board (ARB) identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study, called MATES-II (for Multiple Air Toxics Exposure Study). MATES-II showed that average cancer risk in the SCAB ranges from 1,100 in a million to 1,750 in a million, with an average regional risk of about 1,400 in a million. Moreover, diesel particulate matter (DPM) accounts for more than 70 percent of the cancer risk.

In 2008 the SCAQMD prepared an update to the MATES-II study, referred to as MATES-III. MATES-III estimates the average excess cancer risk level from exposure to TACs is approximately 1,200 in one million basin-wide (a decrease in a regional risk by 200 in a million in comparison to the MATES-II study).

Nonetheless, the SCAQMD's most recent in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California was from the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV,"* which shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012) (9).

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is over 900 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the South Coast Air Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 1,084.68 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10 µm in diameter (PM_{10}) generated with the 2014 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2014 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 (10). The most recent version of this model, EMFAC 2014, 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 2014. Emission factors calculated using EMFAC 2014 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 2014 in EMFAC Mode for vehicles in the SCAQMD 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 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 2-1. As a conservative measure, a 2020 EMFAC 2014 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 incorporated after 2020. Additionally, based on EMFAC2014, Light-Heavy-Duty Trucks are comprise of 43.15% diesel, Medium-Heavy-Duty Trucks comprise of 87.2% diesel, and Heavy-Heavy-Duty Trucks comprise of 99.15% 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 (10):

$Emissions_{speedA}$ (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 (10):

$Emissions_{idle}$ (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)	0.10142(g/idle-hr)
5	0.04169 (g/s)
25	0.02395 (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 truck trip distributions (inbound and outbound) available from the Project's Traffic Impact Analysis (TIA) (3). The modeled truck route is consistent with the trip distribution patterns identified in the Project's traffic study is supported by substantial evidence and was modeled to determine the potential impacts to sensitive receptors along the primary truck routes. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for approximately ¼ mile to 1 mile. This modeling domain is consistent with and 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 (in the case of the Project this is the on-site idling, travel, and on-site equipment), additional detail on the justification for the modeling domain can be found in Section 2.7 of this report.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. 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 (11), 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.

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS

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 Planning Area 1	121			0.1014	6.62	7.657E-05
On-Site Idling Planning Area 1A	121			0.1014	6.62	7.657E-05
On-Site Idling Planning Area 2	44			0.1014	2.43	2.812E-05
On-Site Idling Planning Area 2A	44			0.1014	2.43	2.812E-05
On-Site Idling Planning Area 3	37			0.1014	2.05	2.367E-05
On-Site Idling Planning Area 3A	37			0.1014	2.05	2.367E-05
On-Site Travel Planning Area 1	482	345.98	0.0417		22.60	2.616E-04
On-Site Travel Planning Area 2	177	23.77	0.0417		1.55	1.797E-05
On-Site Travel Planning Area 3	149	21.18	0.0417		1.38	1.602E-05
Internal Roadway 55%	444	121.11	0.0239		3.85	4.462E-05
Off-Site Travel 47%	380	193.66	0.0239		6.16	7.134E-05
Off-Site Travel 50%	404	93.64	0.0239		2.98	3.449E-05
Off-Site Travel 2%	16	7.76	0.0239		5.50	6.363E-05
Off-Site Travel 1%	8	7.35	0.0239		0.23	2.708E-06
Off-Site Travel 1%	8	8.92	0.0239		0.28	3.285E-06
Off-Site Travel 1%	8	6.64	0.0239		0.21	2.445E-06

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

[b] Emission rates determined using EMFAC 2014. 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.

EXHIBIT 2-A: MODELED EMISSION SOURCES

Per *The Park @ Live Oak Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a net total of approximately 14,607 trip-ends per day (actual vehicles). (3) The Project trip generation includes 808 truck trip-ends per day from the proposed Project site including 37.4% 2-axle trucks, 18.2% 3-axle trucks, and 44.4% 4+-axle trucks for General Light Industrial use, 16.9% 2-axle trucks, 22.7% 3-axle trucks, and 60.4% 4+-axle trucks for Manufacturing use, 4.7% 2-axle trucks, 26.9% 3-axle trucks, and 68.4% 4+-axle trucks for Unrefrigerated Warehouse No Rail use, and 34.7% 2-axle trucks, 11.0% 3-axle trucks, and 54.3% 4+-axle trucks for Refrigerated Warehouse No Rail use.

2.2.2 ON-SITE EQUIPMENT EMISSIONS

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment is the yard truck which is designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors (UTRs), hustlers, yard hostlers, and yard tractors. The cargo handling equipment is assumed to have a horsepower (hp) range of approximately 175 hp to 200 hp. Based on the latest available information from SCAQMD (12); for example, high-cube warehouse projects typically have 3.6-yard trucks per million square feet of building space. For this particular Project, based on the maximum square footage of warehouse, industrial, and manufacturing building space permitted by the proposed Specific Plan, on-site modeled operational equipment includes 200 hp, diesel powered yard tractors operating at 4 hours a day for 365 days of the year. A summary of onsite operational equipment assumptions by land use is provided in Table 2-3.

TABLE 2-3: ONSITE EQUIPMENT

Phase	Square Footage	Equipment	Number
Unrefrigerated Warehouse No-Rail	907,300 SF	Yard Tractors	3
Refrigerated Warehouse No-Rail	387,500 SF	Yard Tractors	1
General Light Industrial	54,600 SF	Yard Tractors	0.5
Manufacturing	102,000 SF	Yard Tractors	0.5
		Total Equipment	5

2.3 EXPOSURE QUANTIFICATION

ARB estimates that the average Californian is exposed to 1.2-1.8 µg/m^3 of DPM annually, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (13).

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 risk estimates assume sensitive receptors will be subject to DPM for 24 hours a day, 350 days a year. As a conservative measure, the SCAQMD does not recognize indoor adjustments for resident; in other words, SCAQMD assumes that residents spend 100% of their time at home outdoors and the SCAQMD does not factor in physical barriers (i.e., walls and housing structures) that may prevent the infiltration of DPM into the home. Further, based on empirical data it is clear that the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 350 days a year.[5]
- 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.[6] 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.

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 AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's

[5] In May, 1991 the California Air Resources Board (ARB) Research Division in association with the University of California, Berkeley published research findings entitled: *Activity Patterns of California Residents*. The findings of that study indicate that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and six hours in other indoor locations, for a total of 21 hours (87% of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

[6] 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.

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 2-4 (14). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Azusa Monitoring Station (SRA 9) was used to represent local weather conditions and prevailing winds (15).

TABLE 2-4: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project boundaries, each volume source location, and receptor locations in the Project's vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendix "2.1".

Modeled sensitive receptors were placed at residential and non-residential locations. Based on recommendations from SCAMD staff, a receptor grids with a maximum of 100 meters spacing were placed at residential, worker, and school locations to ensure that the maximum impacts are properly analyzed.

Receptors may be placed at applicable structure locations for residential and worker property and not the 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 they reside or work.

Furthermore, worker receptors nearest to the Project site have been evaluated in the HRA. Any impacts to workers located at schools, or non-school workers located further away from the Project site than the modeled worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIW.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-5, 2-6, and 2-7 summarize the Exposure Parameters for Residents, School, and Offsite Worker scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

TABLE 2-5: 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	273	10	0.25	0.85	350	24
0 to 2	758	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 2-6: 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	271	1	25	250	12

TABLE 2-7: 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)
4 to 13	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.

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

2.4.1 TACs FROM GASOLINE DISPENSING

Emissions resulting from the potential operation of a gasoline service station on the Project site have the potential to result in toxic air contaminants (TACs) (e.g., benzene, hexane, MTBE, toluene, xylene) and have the potential to contribute to health risk in the Project vicinity. It should be noted that standard regulatory controls would apply to the Project in addition to any permits required that demonstrate appropriate operational controls. Based on discussion with the Project Applicant it is anticipated that the gas station's fueling island would have a maximum annual throughout of approximately 2,000,000 gallons. For purposes of this evaluation, cancer risk estimates have been made consistent with the methodology presented in SCAQMD's *Risk Assessment Procedures for Rules 1401, 1401.1 & 212* which provides screening-level risk estimates for gasoline dispensing operations. The Project site is located within Source Receptor Area (SRA) 9. Based on the established screening procedure it is estimated that the maximum risk attributable to the gasoline dispensing on-site would be 0.04 in one million for the nearest sensitive receptor, which is residential use located approximately 1,900 feet north of the Project site, and 0.68 in one million for the nearest worker located south of the site at the Irwindale Event Center. These risk estimates are added to the risks calculated from DPM-related sources in the following section.

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 TAC SOURCE CANCER AND NON-CANCER RISKS[7]

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is located approximately 1,900 feet north of the Project site near existing industrial uses west of Mountain Avenue and east of El Toro Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project TAC source emissions is calculated at an estimate of 0.54 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 0.0002, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-B

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is located south of the Project site at the Irwindale Event Center on the south side of Live Oak Avenue. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location attributable to the Project is calculated at an estimate of 1.12 in one million which is less than the significance threshold of 10 in one million. Maximum non-cancer risks attributable to the Project at this same location were calculated to be 0.001, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-B

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project TAC source emissions is at the Beardslee Elementary School located roughly 4,532 feet north of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact

7 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.

attributable to the Project at this location is calculated to be an estimated 0.73 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 0.00009, 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. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The nearest modeled receptors are illustrated on Exhibit 2-B

2.7 CUMULATIVE IMPACTS

AMBIENT TAC IMPACTS

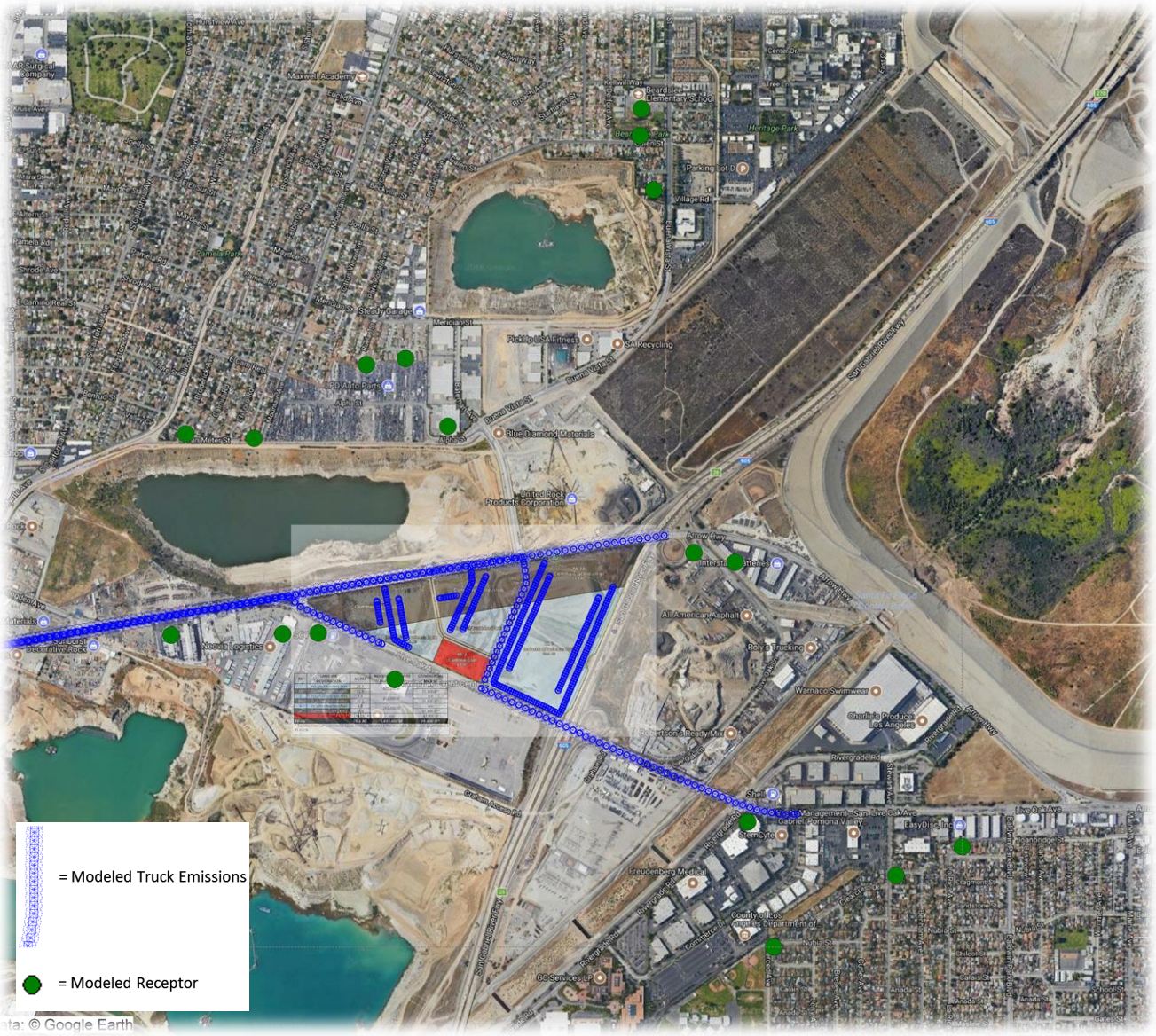
As previously discussed in Section 2.1, the SCAQMD has conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. This study, the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV,"* shows that cancer risk has decreased more than 55% between MATES III (2005) and MATES IV (2012) (16). This is a result of uniform CEQA review, low-sulfur diesel fuel regulations, new fleets coming on line, and the imposition of clean truck access rules at the Ports of Long Beach and Los Angeles.

The SCAQMD has established a significance threshold for incremental project-level TAC impacts. Specifically, if a given project would generate TACs resulting in or causing an increase in cancer risks of 10 or more incidents per million population, that project's incremental cancer risk would be considered significant. This same significance threshold (10 in one million) is applied by SCAQMD in determining whether a given project's incremental contribution to ambient TAC-source cancer risks is cumulatively considerable.

PROJECT MAXIMUM CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Project-source TACs (from DPM and emissions from the gasoline dispensing station) would incrementally increase the background cancer risk by a maximum of 1.12 incidents per million population under all the scenarios considered in this analysis. The applicable SCAQMD significance threshold for Project-level TAC-source cancer risk impacts is 10 incidents per million population. Similarly, SCAQMD significance thresholds state that Project contributions to cumulative TAC-source cancer risks would be cumulatively considerable if greater than 10 incidents per million population would occur. The 1.12 incidents per million population increment resulting from the Project is therefore not significant, nor cumulatively considerable.

EXHIBIT 2-B: MODELED RECEPTORS



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3 REFERENCES

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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 The Park @ Live Oak 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

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.5.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 5/24/2018
** FILE: C:\LAKES\AERMOD VIEW\11111 HRA\11111 HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 9818605
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "11111 HRA.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ------------------------------------------------------------------------
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** DESCRSRC ON-SITE IDLING PA 1
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** CONFIGURATION = ADJACENT
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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
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** LINE VOLUME SOURCE ID = SLINE2
** DESCRSRC ON-SITE IDLING PA 1A
** PREFIX
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   LOCATION L0002388     VOLUME   409605.714 3775091.643 106.44
   LOCATION L0002389     VOLUME   409602.290 3775083.766 105.94
   LOCATION L0002390     VOLUME   409598.865 3775075.888 105.41
   LOCATION L0002391     VOLUME   409595.441 3775068.010 104.82
   LOCATION L0002392     VOLUME   409592.016 3775060.132 103.43
   LOCATION L0002393     VOLUME   409588.592 3775052.254 101.13
   LOCATION L0002394     VOLUME   409585.167 3775044.376 98.91
   LOCATION L0002395     VOLUME   409581.743 3775036.498 96.79
   LOCATION L0002396     VOLUME   409578.319 3775028.620 94.76
   LOCATION L0002397     VOLUME   409574.894 3775020.742 92.81
   LOCATION L0002398     VOLUME   409571.470 3775012.864 90.95
   LOCATION L0002399     VOLUME   409568.045 3775004.986 89.19
   LOCATION L0002400     VOLUME   409564.621 3774997.108 87.51
   LOCATION L0002401     VOLUME   409561.197 3774989.231 85.93
   LOCATION L0002402     VOLUME   409557.772 3774981.353 84.43
   LOCATION L0002403     VOLUME   409554.348 3774973.475 83.02
   LOCATION L0002404     VOLUME   409550.923 3774965.597 83.79
   LOCATION L0002405     VOLUME   409547.499 3774957.719 85.26
   LOCATION L0002406     VOLUME   409544.075 3774949.841 86.77
   LOCATION L0002407     VOLUME   409540.650 3774941.963 88.31
   LOCATION L0002408     VOLUME   409537.226 3774934.085 89.85
   LOCATION L0002409     VOLUME   409533.801 3774926.207 91.36
   LOCATION L0002410     VOLUME   409530.377 3774918.329 92.86
   LOCATION L0002411     VOLUME   409526.953 3774910.451 94.36
   LOCATION L0002412     VOLUME   409523.528 3774902.574 95.87
   LOCATION L0002413     VOLUME   409520.104 3774894.696 97.37
   LOCATION L0002414     VOLUME   409516.679 3774886.818 98.87
   LOCATION L0002415     VOLUME   409513.255 3774878.940 100.25
   LOCATION L0002416     VOLUME   409509.831 3774871.062 100.17
   LOCATION L0002417     VOLUME   409506.406 3774863.184 100.12
   LOCATION L0002418     VOLUME   409502.982 3774855.306 100.10
   LOCATION L0002419     VOLUME   409499.557 3774847.428 100.11
   LOCATION L0002420     VOLUME   409496.133 3774839.550 100.14
   LOCATION L0002421     VOLUME   409492.708 3774831.672 100.21
   LOCATION L0002422     VOLUME   409489.284 3774823.794 100.31
```

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   LOCATION L0002423     VOLUME   409485.860 3774815.916 100.44
** END OF LINE VOLUME SOURCE ID = SLINE2
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE3
** DESCRSRC ON-SITE IDLING PA2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002812
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 409242.483, 3775198.134, 96.12, 3.49, 4.00
** 409164.339, 3775017.693, 80.17, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0002424     VOLUME   409240.776 3775194.192 102.76
   LOCATION L0002425     VOLUME   409237.362 3775186.310 102.26
   LOCATION L0002426     VOLUME   409233.948 3775178.427 101.82
   LOCATION L0002427     VOLUME   409230.535 3775170.545 101.42
   LOCATION L0002428     VOLUME   409227.121 3775162.662 101.05
   LOCATION L0002429     VOLUME   409223.707 3775154.780 100.45
   LOCATION L0002430     VOLUME   409220.294 3775146.897 99.68
   LOCATION L0002431     VOLUME   409216.880 3775139.014 98.88
   LOCATION L0002432     VOLUME   409213.466 3775131.132 98.06
   LOCATION L0002433     VOLUME   409210.053 3775123.249 97.22
   LOCATION L0002434     VOLUME   409206.639 3775115.367 96.36
   LOCATION L0002435     VOLUME   409203.225 3775107.484 95.48
   LOCATION L0002436     VOLUME   409199.811 3775099.602 94.57
   LOCATION L0002437     VOLUME   409196.398 3775091.719 93.64
   LOCATION L0002438     VOLUME   409192.984 3775083.837 92.69
   LOCATION L0002439     VOLUME   409189.570 3775075.954 91.71
   LOCATION L0002440     VOLUME   409186.157 3775068.071 90.72
   LOCATION L0002441     VOLUME   409182.743 3775060.189 90.33
   LOCATION L0002442     VOLUME   409179.329 3775052.306 89.87
   LOCATION L0002443     VOLUME   409175.915 3775044.424 89.28
   LOCATION L0002444     VOLUME   409172.502 3775036.541 88.56
   LOCATION L0002445     VOLUME   409169.088 3775028.659 87.72
   LOCATION L0002446     VOLUME   409165.674 3775020.776 86.75
** END OF LINE VOLUME SOURCE ID = SLINE3
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE4
** DESCRSRC ON-SITE IDLING PA 2A
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002812
```

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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 409088.327, 3775124.963, 84.69, 3.49, 4.00
** 409150.131, 3775134.908, 88.78, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0002447     VOLUME   409092.567 3775125.645 100.69
   LOCATION L0002448     VOLUME   409101.048 3775127.010 101.32
   LOCATION L0002449     VOLUME   409109.529 3775128.375 101.91
   LOCATION L0002450     VOLUME   409118.010 3775129.739 102.49
   LOCATION L0002451     VOLUME   409126.491 3775131.104 103.04
   LOCATION L0002452     VOLUME   409134.972 3775132.469 103.57
   LOCATION L0002453     VOLUME   409143.453 3775133.834 104.07
** END OF LINE VOLUME SOURCE ID = SLINE4
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC ON-SITE IDLING PA 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002367
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 408950.510, 3775122.832, 82.58, 3.49, 4.00
** 408974.663, 3774990.698, 65.77, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0002454     VOLUME   408951.282 3775118.607 90.19
   LOCATION L0002455     VOLUME   408952.827 3775110.157 88.49
   LOCATION L0002456     VOLUME   408954.372 3775101.707 86.77
   LOCATION L0002457     VOLUME   408955.916 3775093.257 85.03
   LOCATION L0002458     VOLUME   408957.461 3775084.807 83.28
   LOCATION L0002459     VOLUME   408959.005 3775076.357 81.50
   LOCATION L0002460     VOLUME   408960.550 3775067.907 79.89
   LOCATION L0002461     VOLUME   408962.095 3775059.457 78.91
   LOCATION L0002462     VOLUME   408963.639 3775051.007 77.87
   LOCATION L0002463     VOLUME   408965.184 3775042.557 76.77
   LOCATION L0002464     VOLUME   408966.728 3775034.107 75.62
   LOCATION L0002465     VOLUME   408968.273 3775025.657 74.40
   LOCATION L0002466     VOLUME   408969.818 3775017.207 73.13
   LOCATION L0002467     VOLUME   408971.362 3775008.757 71.80
   LOCATION L0002468     VOLUME   408972.907 3775000.307 70.42
   LOCATION L0002469     VOLUME   408974.452 3774991.857 68.97
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
```

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** DESCRSRC ON-SITE IDLING PA 3A
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002367
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 408876.629, 3775115.728, 90.47, 3.49, 4.00
** 408889.416, 3775037.584, 85.28, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0002470     VOLUME   408877.322 3775111.489 94.35
   LOCATION L0002471     VOLUME   408878.710 3775103.012 93.84
   LOCATION L0002472     VOLUME   408880.097 3775094.535 93.26
   LOCATION L0002473     VOLUME   408881.484 3775086.057 92.60
   LOCATION L0002474     VOLUME   408882.871 3775077.580 91.86
   LOCATION L0002475     VOLUME   408884.258 3775069.103 91.12
   LOCATION L0002476     VOLUME   408885.645 3775060.626 90.71
   LOCATION L0002477     VOLUME   408887.033 3775052.148 90.29
   LOCATION L0002478     VOLUME   408888.420 3775043.671 89.85
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC ON-SITE TRAVEL PA 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001797
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 409194.176, 3775213.762, 104.02, 3.49, 4.00
** 409197.017, 3775183.215, 104.63, 3.49, 4.00
** 409121.005, 3775014.141, 72.52, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0002816     VOLUME   409194.574 3775209.486 108.35
   LOCATION L0002817     VOLUME   409195.369 3775200.933 107.63
   LOCATION L0002818     VOLUME   409196.165 3775192.380 106.89
   LOCATION L0002819     VOLUME   409196.961 3775183.827 106.15
   LOCATION L0002820     VOLUME   409193.747 3775175.941 105.88
   LOCATION L0002821     VOLUME   409190.225 3775168.106 105.68
   LOCATION L0002822     VOLUME   409186.702 3775160.271 105.51
   LOCATION L0002823     VOLUME   409183.180 3775152.437 104.67
   LOCATION L0002824     VOLUME   409179.658 3775144.602 103.78
   LOCATION L0002825     VOLUME   409176.135 3775136.767 102.86
   LOCATION L0002826     VOLUME   409172.613 3775128.933 101.92
   LOCATION L0002827     VOLUME   409169.091 3775121.098 100.96
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   LOCATION L0002828     VOLUME   409165.568 3775113.264 99.98
   LOCATION L0002829     VOLUME   409162.046 3775105.429 98.97
   LOCATION L0002830     VOLUME   409158.524 3775097.594 97.94
   LOCATION L0002831     VOLUME   409155.002 3775089.760 96.73
   LOCATION L0002832     VOLUME   409151.479 3775081.925 95.09
   LOCATION L0002833     VOLUME   409147.957 3775074.090 93.40
   LOCATION L0002834     VOLUME   409144.435 3775066.256 91.71
   LOCATION L0002835     VOLUME   409140.912 3775058.421 90.13
   LOCATION L0002836     VOLUME   409137.390 3775050.586 88.49
   LOCATION L0002837     VOLUME   409133.868 3775042.752 86.77
   LOCATION L0002838     VOLUME   409130.346 3775034.917 84.99
   LOCATION L0002839     VOLUME   409126.823 3775027.083 83.14
   LOCATION L0002840     VOLUME   409123.301 3775019.248 81.22
** END OF LINE VOLUME SOURCE ID = SLINE9
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE19
** DESCRSRC ON-SITE EQUIPMENT PA 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.000054167
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 409194.176, 3775213.762, 104.02, 3.49, 4.00
** 409197.017, 3775183.215, 104.63, 3.49, 4.00
** 409121.005, 3775014.141, 72.52, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0002081     VOLUME   409194.574 3775209.486 108.35
   LOCATION L0002082     VOLUME   409195.369 3775200.933 107.63
   LOCATION L0002083     VOLUME   409196.165 3775192.380 106.89
   LOCATION L0002084     VOLUME   409196.961 3775183.827 106.15
   LOCATION L0002085     VOLUME   409193.747 3775175.941 105.88
   LOCATION L0002086     VOLUME   409190.225 3775168.106 105.68
   LOCATION L0002087     VOLUME   409186.702 3775160.271 105.51
   LOCATION L0002088     VOLUME   409183.180 3775152.437 104.67
   LOCATION L0002089     VOLUME   409179.658 3775144.602 103.78
   LOCATION L0002090     VOLUME   409176.135 3775136.767 102.86
   LOCATION L0002091     VOLUME   409172.613 3775128.933 101.92
   LOCATION L0002092     VOLUME   409169.091 3775121.098 100.96
   LOCATION L0002093     VOLUME   409165.568 3775113.264 99.98
   LOCATION L0002094     VOLUME   409162.046 3775105.429 98.97
   LOCATION L0002095     VOLUME   409158.524 3775097.594 97.94
   LOCATION L0002096     VOLUME   409155.002 3775089.760 96.73
   LOCATION L0002097     VOLUME   409151.479 3775081.925 95.09
   LOCATION L0002098     VOLUME   409147.957 3775074.090 93.40
   LOCATION L0002099     VOLUME   409144.435 3775066.256 91.71
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   LOCATION L0002100     VOLUME   409140.912 3775058.421 90.13
   LOCATION L0002101     VOLUME   409137.390 3775050.586 88.49
   LOCATION L0002102     VOLUME   409133.868 3775042.752 86.77
   LOCATION L0002103     VOLUME   409130.346 3775034.917 84.99
   LOCATION L0002104     VOLUME   409126.823 3775027.083 83.14
   LOCATION L0002105     VOLUME   409123.301 3775019.248 81.22
** END OF LINE VOLUME SOURCE ID = SLINE19
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE10
** DESCRSRC ON-SITE TRAVEL PA 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001602
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 408903.624, 3775157.641, 96.86, 3.49, 4.00
** 408935.592, 3774987.146, 77.91, 3.49, 4.00
** 408983.899, 3774960.151, 64.37, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002841     VOLUME   408904.415 3775153.420 96.07
   LOCATION L0002842     VOLUME   408905.998 3775144.977 95.06
   LOCATION L0002843     VOLUME   408907.581 3775136.534 93.96
   LOCATION L0002844     VOLUME   408909.164 3775128.091 92.78
   LOCATION L0002845     VOLUME   408910.747 3775119.648 91.50
   LOCATION L0002846     VOLUME   408912.331 3775111.205 90.14
   LOCATION L0002847     VOLUME   408913.914 3775102.762 88.70
   LOCATION L0002848     VOLUME   408915.497 3775094.320 87.16
   LOCATION L0002849     VOLUME   408917.080 3775085.877 85.54
   LOCATION L0002850     VOLUME   408918.663 3775077.434 83.84
   LOCATION L0002851     VOLUME   408920.246 3775068.991 82.20
   LOCATION L0002852     VOLUME   408921.829 3775060.548 81.53
   LOCATION L0002853     VOLUME   408923.412 3775052.105 80.84
   LOCATION L0002854     VOLUME   408924.995 3775043.662 80.14
   LOCATION L0002855     VOLUME   408926.578 3775035.219 79.70
   LOCATION L0002856     VOLUME   408928.161 3775026.777 79.20
   LOCATION L0002857     VOLUME   408929.744 3775018.334 78.64
   LOCATION L0002858     VOLUME   408931.327 3775009.891 78.03
   LOCATION L0002859     VOLUME   408932.910 3775001.448 77.35
   LOCATION L0002860     VOLUME   408934.493 3774993.005 76.61
   LOCATION L0002861     VOLUME   408937.886 3774985.864 75.53
   LOCATION L0002862     VOLUME   408945.385 3774981.673 73.68
   LOCATION L0002863     VOLUME   408952.884 3774977.483 71.70
   LOCATION L0002864     VOLUME   408960.382 3774973.292 70.48
   LOCATION L0002865     VOLUME   408967.881 3774969.102 69.40
   LOCATION L0002866     VOLUME   408975.379 3774964.912 68.45
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   LOCATION L0002867     VOLUME   408982.878 3774960.721 67.62
** END OF LINE VOLUME SOURCE ID = SLINE10
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE20
** DESCRSRC ON-SITE EQUIPMENT PA 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.000054167
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 408903.624, 3775157.641, 96.86, 3.49, 4.00
** 408935.592, 3774987.146, 77.91, 3.49, 4.00
** 408983.899, 3774960.151, 64.37, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002156     VOLUME   408904.415 3775153.420 96.07
   LOCATION L0002157     VOLUME   408905.998 3775144.977 95.06
   LOCATION L0002158     VOLUME   408907.581 3775136.534 93.96
   LOCATION L0002159     VOLUME   408909.164 3775128.091 92.78
   LOCATION L0002160     VOLUME   408910.747 3775119.648 91.50
   LOCATION L0002161     VOLUME   408912.331 3775111.205 90.14
   LOCATION L0002162     VOLUME   408913.914 3775102.762 88.70
   LOCATION L0002163     VOLUME   408915.497 3775094.320 87.16
   LOCATION L0002164     VOLUME   408917.080 3775085.877 85.54
   LOCATION L0002165     VOLUME   408918.663 3775077.434 83.84
   LOCATION L0002166     VOLUME   408920.246 3775068.991 82.20
   LOCATION L0002167     VOLUME   408921.829 3775060.548 81.53
   LOCATION L0002168     VOLUME   408923.412 3775052.105 80.84
   LOCATION L0002169     VOLUME   408924.995 3775043.662 80.14
   LOCATION L0002170     VOLUME   408926.578 3775035.219 79.70
   LOCATION L0002171     VOLUME   408928.161 3775026.777 79.20
   LOCATION L0002172     VOLUME   408929.744 3775018.334 78.64
   LOCATION L0002173     VOLUME   408931.327 3775009.891 78.03
   LOCATION L0002174     VOLUME   408932.910 3775001.448 77.35
   LOCATION L0002175     VOLUME   408934.493 3774993.005 76.61
   LOCATION L0002176     VOLUME   408937.886 3774985.864 75.53
   LOCATION L0002177     VOLUME   408945.385 3774981.673 73.68
   LOCATION L0002178     VOLUME   408952.884 3774977.483 71.70
   LOCATION L0002179     VOLUME   408960.382 3774973.292 70.48
   LOCATION L0002180     VOLUME   408967.881 3774969.102 69.40
   LOCATION L0002181     VOLUME   408975.379 3774964.912 68.45
   LOCATION L0002182     VOLUME   408982.878 3774960.721 67.62
** END OF LINE VOLUME SOURCE ID = SLINE20
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE11
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** DESCRSRC INTERNAL ROADWAY 55% PRIVATE DRIVE A
** PREFIX
** LENGTH OF SIDE = 20.77
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00004462
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 409369.275, 3775248.095, 109.38, 3.49, 9.66
** 409379.137, 3775190.712, 90.58, 3.49, 9.66
** 409377.344, 3775171.883, 90.14, 3.49, 9.66
** 409233.887, 3774840.138, 97.17, 3.49, 9.66
** ----------------------------------------------------------------
   LOCATION L0002868     VOLUME   409371.034 3775237.860 106.68
   LOCATION L0002869     VOLUME   409374.552 3775217.390 102.49
   LOCATION L0002870     VOLUME   409378.070 3775196.920 98.25
   LOCATION L0002871     VOLUME   409377.765 3775176.307 93.87
   LOCATION L0002872     VOLUME   409370.864 3775156.898 89.85
   LOCATION L0002873     VOLUME   409362.620 3775137.834 87.57
   LOCATION L0002874     VOLUME   409354.376 3775118.770 85.29
   LOCATION L0002875     VOLUME   409346.132 3775099.706 83.01
   LOCATION L0002876     VOLUME   409337.889 3775080.642 80.73
   LOCATION L0002877     VOLUME   409329.645 3775061.578 79.79
   LOCATION L0002878     VOLUME   409321.401 3775042.514 83.11
   LOCATION L0002879     VOLUME   409313.157 3775023.451 86.42
   LOCATION L0002880     VOLUME   409304.913 3775004.387 89.73
   LOCATION L0002881     VOLUME   409296.669 3774985.323 92.65
   LOCATION L0002882     VOLUME   409288.426 3774966.259 95.16
   LOCATION L0002883     VOLUME   409280.182 3774947.195 97.60
   LOCATION L0002884     VOLUME   409271.938 3774928.131 99.90
   LOCATION L0002885     VOLUME   409263.694 3774909.067 102.07
   LOCATION L0002886     VOLUME   409255.450 3774890.003 104.11
   LOCATION L0002887     VOLUME   409247.206 3774870.939 103.81
   LOCATION L0002888     VOLUME   409238.962 3774851.876 101.68
** END OF LINE VOLUME SOURCE ID = SLINE11
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE12
** DESCRSRC 47% OFF-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 28.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00007134
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 409052.670, 3775213.071, 104.67, 3.49, 13.02
** 409681.658, 3775313.232, 120.13, 3.49, 13.02
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** 409863.550, 3775339.352, 118.37, 3.49, 13.02
** ----------------------------------------------------------------
   LOCATION L0002889     VOLUME   409066.496 3775215.273 112.88
   LOCATION L0002890     VOLUME   409094.147 3775219.676 113.75
   LOCATION L0002891     VOLUME   409121.799 3775224.079 113.39
   LOCATION L0002892     VOLUME   409149.451 3775228.482 112.92
   LOCATION L0002893     VOLUME   409177.102 3775232.886 111.44
   LOCATION L0002894     VOLUME   409204.754 3775237.289 109.72
   LOCATION L0002895     VOLUME   409232.405 3775241.692 108.14
   LOCATION L0002896     VOLUME   409260.057 3775246.096 107.63
   LOCATION L0002897     VOLUME   409287.709 3775250.499 107.47
   LOCATION L0002898     VOLUME   409315.360 3775254.902 107.65
   LOCATION L0002899     VOLUME   409343.012 3775259.305 109.41
   LOCATION L0002900     VOLUME   409370.663 3775263.709 111.24
   LOCATION L0002901     VOLUME   409398.315 3775268.112 113.48
   LOCATION L0002902     VOLUME   409425.967 3775272.515 116.34
   LOCATION L0002903     VOLUME   409453.618 3775276.919 119.20
   LOCATION L0002904     VOLUME   409481.270 3775281.322 121.64
   LOCATION L0002905     VOLUME   409508.921 3775285.725 123.69
   LOCATION L0002906     VOLUME   409536.573 3775290.128 125.63
   LOCATION L0002907     VOLUME   409564.225 3775294.532 126.32
   LOCATION L0002908     VOLUME   409591.876 3775298.935 126.54
   LOCATION L0002909     VOLUME   409619.528 3775303.338 126.57
   LOCATION L0002910     VOLUME   409647.179 3775307.742 125.22
   LOCATION L0002911     VOLUME   409674.831 3775312.145 123.73
   LOCATION L0002912     VOLUME   409702.531 3775316.229 122.31
   LOCATION L0002913     VOLUME   409730.246 3775320.210 121.53
   LOCATION L0002914     VOLUME   409757.962 3775324.190 120.66
   LOCATION L0002915     VOLUME   409785.678 3775328.170 119.91
   LOCATION L0002916     VOLUME   409813.394 3775332.150 119.25
   LOCATION L0002917     VOLUME   409841.109 3775336.130 118.40
** END OF LINE VOLUME SOURCE ID = SLINE12
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE13
** DESCRSRC 50% OFF-SITE
** PREFIX
** LENGTH OF SIDE = 25.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00003449
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 409227.957, 3774822.909, 90.50, 3.49, 11.63
** 409567.151, 3774667.696, 117.71, 3.49, 11.63
** ----------------------------------------------------------------
   LOCATION L0002918     VOLUME   409239.324 3774817.708 99.43
   LOCATION L0002919     VOLUME   409262.057 3774807.305 102.26
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   LOCATION L0002920     VOLUME   409284.790 3774796.903 105.48
   LOCATION L0002921     VOLUME   409307.522 3774786.500 108.86
   LOCATION L0002922     VOLUME   409330.255 3774776.098 109.43
   LOCATION L0002923     VOLUME   409352.988 3774765.695 110.52
   LOCATION L0002924     VOLUME   409375.721 3774755.293 112.13
   LOCATION L0002925     VOLUME   409398.454 3774744.890 112.46
   LOCATION L0002926     VOLUME   409421.187 3774734.488 112.72
   LOCATION L0002927     VOLUME   409443.920 3774724.085 113.90
   LOCATION L0002928     VOLUME   409466.653 3774713.683 114.82
   LOCATION L0002929     VOLUME   409489.386 3774703.280 113.32
   LOCATION L0002930     VOLUME   409512.119 3774692.878 111.61
   LOCATION L0002931     VOLUME   409534.852 3774682.475 109.50
   LOCATION L0002932     VOLUME   409557.585 3774672.073 107.75
** END OF LINE VOLUME SOURCE ID = SLINE13
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE14
** DESCRSRC OFF-SITE TRAVEL 2%
** PREFIX
** LENGTH OF SIDE = 25.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00006363
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 7
** 410288.003, 3774399.882, 121.89, 3.49, 11.63
** 410249.392, 3774397.022, 121.76, 3.49, 11.63
** 410202.200, 3774404.172, 118.64, 3.49, 11.63
** 410153.579, 3774414.182, 117.01, 3.49, 11.63
** 410082.077, 3774437.063, 117.70, 3.49, 11.63
** 409851.840, 3774537.166, 103.97, 3.49, 11.63
** 409568.692, 3774664.439, 117.69, 3.49, 11.63
** ----------------------------------------------------------------------
   LOCATION L0002933     VOLUME   410275.537 3774398.958 122.20
   LOCATION L0002934     VOLUME   410250.605 3774397.111 120.92
   LOCATION L0002935     VOLUME   410225.877 3774400.584 119.80
   LOCATION L0002936     VOLUME   410201.169 3774404.384 118.95
   LOCATION L0002937     VOLUME   410176.682 3774409.425 118.08
   LOCATION L0002938     VOLUME   410152.234 3774414.612 117.44
   LOCATION L0002939     VOLUME   410128.424 3774422.232 117.74
   LOCATION L0002940     VOLUME   410104.613 3774429.851 118.07
   LOCATION L0002941     VOLUME   410080.850 3774437.596 118.35
   LOCATION L0002942     VOLUME   410057.923 3774447.564 118.58
   LOCATION L0002943     VOLUME   410034.996 3774457.533 118.46
   LOCATION L0002944     VOLUME   410012.069 3774467.501 118.09
   LOCATION L0002945     VOLUME   409989.143 3774477.469 117.44
   LOCATION L0002946     VOLUME   409966.216 3774487.437 116.36
   LOCATION L0002947     VOLUME   409943.289 3774497.405 114.90
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   LOCATION L0002948     VOLUME   409920.362 3774507.373 112.79
   LOCATION L0002949     VOLUME   409897.436 3774517.342 109.63
   LOCATION L0002950     VOLUME   409874.509 3774527.310 106.04
   LOCATION L0002951     VOLUME   409851.584 3774537.281 101.94
   LOCATION L0002952     VOLUME   409828.781 3774547.531 99.34
   LOCATION L0002953     VOLUME   409805.979 3774557.780 98.36
   LOCATION L0002954     VOLUME   409783.177 3774568.030 97.84
   LOCATION L0002955     VOLUME   409760.374 3774578.279 97.98
   LOCATION L0002956     VOLUME   409737.572 3774588.529 99.23
   LOCATION L0002957     VOLUME   409714.769 3774598.778 100.99
   LOCATION L0002958     VOLUME   409691.967 3774609.028 102.11
   LOCATION L0002959     VOLUME   409669.165 3774619.277 102.90
   LOCATION L0002960     VOLUME   409646.362 3774629.527 104.09
   LOCATION L0002961     VOLUME   409623.560 3774639.776 105.73
   LOCATION L0002962     VOLUME   409600.758 3774650.026 106.65
   LOCATION L0002963     VOLUME   409577.955 3774660.275 107.13
** END OF LINE VOLUME SOURCE ID = SLINE14
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE15
** DESCRSRC 1% OFF-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 24.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.708E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 5
** 407623.836, 3774967.608, 106.68, 3.49, 11.16
** 408112.910, 3775056.271, 106.28, 3.49, 11.16
** 408414.649, 3775103.462, 110.29, 3.49, 11.16
** 408883.702, 3775186.404, 95.66, 3.49, 11.16
** 409066.747, 3775215.005, 105.34, 3.49, 11.16
** ----------------------------------------------------------------
   LOCATION L0002964     VOLUME   407635.643 3774969.749 106.88
   LOCATION L0002965     VOLUME   407659.258 3774974.030 106.69
   LOCATION L0002966     VOLUME   407682.873 3774978.311 106.49
   LOCATION L0002967     VOLUME   407706.488 3774982.592 106.30
   LOCATION L0002968     VOLUME   407730.103 3774986.873 106.10
   LOCATION L0002969     VOLUME   407753.719 3774991.154 106.07
   LOCATION L0002970     VOLUME   407777.334 3774995.435 106.42
   LOCATION L0002971     VOLUME   407800.949 3774999.716 107.33
   LOCATION L0002972     VOLUME   407824.564 3775003.997 108.11
   LOCATION L0002973     VOLUME   407848.179 3775008.279 108.77
   LOCATION L0002974     VOLUME   407871.794 3775012.560 107.68
   LOCATION L0002975     VOLUME   407895.409 3775016.841 106.63
   LOCATION L0002976     VOLUME   407919.024 3775021.122 105.64
   LOCATION L0002977     VOLUME   407942.639 3775025.403 104.37
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   LOCATION L0002978     VOLUME   407966.254 3775029.684 103.19
   LOCATION L0002979     VOLUME   407989.869 3775033.965 102.24
   LOCATION L0002980     VOLUME   408013.484 3775038.246 102.20
   LOCATION L0002981     VOLUME   408037.100 3775042.527 103.03
   LOCATION L0002982     VOLUME   408060.715 3775046.808 103.91
   LOCATION L0002983     VOLUME   408084.330 3775051.090 104.87
   LOCATION L0002984     VOLUME   408107.945 3775055.371 105.86
   LOCATION L0002985     VOLUME   408131.636 3775059.199 106.74
   LOCATION L0002986     VOLUME   408155.348 3775062.908 107.56
   LOCATION L0002987     VOLUME   408179.060 3775066.616 108.25
   LOCATION L0002988     VOLUME   408202.771 3775070.325 108.95
   LOCATION L0002989     VOLUME   408226.483 3775074.033 109.64
   LOCATION L0002990     VOLUME   408250.195 3775077.742 110.09
   LOCATION L0002991     VOLUME   408273.907 3775081.450 110.01
   LOCATION L0002992     VOLUME   408297.619 3775085.159 110.00
   LOCATION L0002993     VOLUME   408321.330 3775088.867 109.98
   LOCATION L0002994     VOLUME   408345.042 3775092.576 109.95
   LOCATION L0002995     VOLUME   408368.754 3775096.284 110.05
   LOCATION L0002996     VOLUME   408392.466 3775099.993 110.27
   LOCATION L0002997     VOLUME   408416.172 3775103.732 110.53
   LOCATION L0002998     VOLUME   408439.806 3775107.911 110.90
   LOCATION L0002999     VOLUME   408463.439 3775112.090 111.39
   LOCATION L0003000     VOLUME   408487.072 3775116.269 111.85
   LOCATION L0003001     VOLUME   408510.706 3775120.448 112.41
   LOCATION L0003002     VOLUME   408534.339 3775124.627 113.05
   LOCATION L0003003     VOLUME   408557.972 3775128.806 113.31
   LOCATION L0003004     VOLUME   408581.606 3775132.985 113.28
   LOCATION L0003005     VOLUME   408605.239 3775137.164 113.13
   LOCATION L0003006     VOLUME   408628.872 3775141.343 112.40
   LOCATION L0003007     VOLUME   408652.506 3775145.522 110.91
   LOCATION L0003008     VOLUME   408676.139 3775149.701 109.24
   LOCATION L0003009     VOLUME   408699.772 3775153.880 107.37
   LOCATION L0003010     VOLUME   408723.406 3775158.059 105.28
   LOCATION L0003011     VOLUME   408747.039 3775162.238 103.13
   LOCATION L0003012     VOLUME   408770.673 3775166.418 100.89
   LOCATION L0003013     VOLUME   408794.306 3775170.597 98.88
   LOCATION L0003014     VOLUME   408817.939 3775174.776 97.22
   LOCATION L0003015     VOLUME   408841.573 3775178.955 95.91
   LOCATION L0003016     VOLUME   408865.206 3775183.134 96.58
   LOCATION L0003017     VOLUME   408888.856 3775187.210 98.27
   LOCATION L0003018     VOLUME   408912.569 3775190.915 100.14
   LOCATION L0003019     VOLUME   408936.281 3775194.620 102.05
   LOCATION L0003020     VOLUME   408959.993 3775198.325 103.91
   LOCATION L0003021     VOLUME   408983.706 3775202.030 105.87
   LOCATION L0003022     VOLUME   409007.418 3775205.735 107.94
   LOCATION L0003023     VOLUME   409031.130 3775209.440 110.03
   LOCATION L0003024     VOLUME   409054.842 3775213.145 111.96
** END OF LINE VOLUME SOURCE ID = SLINE15
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE16
** DESCRSRC 1% OFF-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 24.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.285E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 6
** 407623.804, 3774965.928, 106.72, 0.00, 11.16
** 408112.571, 3775055.757, 106.26, 0.00, 11.16
** 408414.120, 3775103.570, 110.30, 0.00, 11.16
** 408882.879, 3775187.603, 95.63, 0.00, 11.16
** 409052.310, 3775214.442, 104.61, 0.00, 11.16
** 409374.699, 3775263.772, 109.60, 0.00, 11.16
** ----------------------------------------------------------------
   LOCATION L0003025     VOLUME   407635.606 3774968.097 106.96
   LOCATION L0003026     VOLUME   407659.211 3774972.435 106.76
   LOCATION L0003027     VOLUME   407682.815 3774976.774 106.56
   LOCATION L0003028     VOLUME   407706.420 3774981.112 106.36
   LOCATION L0003029     VOLUME   407730.025 3774985.450 106.17
   LOCATION L0003030     VOLUME   407753.629 3774989.788 106.02
   LOCATION L0003031     VOLUME   407777.234 3774994.127 106.38
   LOCATION L0003032     VOLUME   407800.839 3774998.465 107.30
   LOCATION L0003033     VOLUME   407824.443 3775002.803 108.10
   LOCATION L0003034     VOLUME   407848.048 3775007.141 108.78
   LOCATION L0003035     VOLUME   407871.653 3775011.480 107.69
   LOCATION L0003036     VOLUME   407895.257 3775015.818 106.64
   LOCATION L0003037     VOLUME   407918.862 3775020.156 105.64
   LOCATION L0003038     VOLUME   407942.467 3775024.494 104.35
   LOCATION L0003039     VOLUME   407966.071 3775028.833 103.15
   LOCATION L0003040     VOLUME   407989.676 3775033.171 102.19
   LOCATION L0003041     VOLUME   408013.281 3775037.509 102.12
   LOCATION L0003042     VOLUME   408036.885 3775041.847 102.95
   LOCATION L0003043     VOLUME   408060.490 3775046.185 103.84
   LOCATION L0003044     VOLUME   408084.095 3775050.524 104.80
   LOCATION L0003045     VOLUME   408107.699 3775054.862 105.80
   LOCATION L0003046     VOLUME   408131.383 3775058.740 106.69
   LOCATION L0003047     VOLUME   408155.086 3775062.498 107.51
   LOCATION L0003048     VOLUME   408178.790 3775066.257 108.21
   LOCATION L0003049     VOLUME   408202.494 3775070.015 108.91
   LOCATION L0003050     VOLUME   408226.198 3775073.774 109.61
   LOCATION L0003051     VOLUME   408249.902 3775077.532 110.11
   LOCATION L0003052     VOLUME   408273.606 3775081.290 110.02
   LOCATION L0003053     VOLUME   408297.310 3775085.049 110.01
   LOCATION L0003054     VOLUME   408321.014 3775088.807 109.98
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   LOCATION L0003055     VOLUME   408344.718 3775092.565 109.94
   LOCATION L0003056     VOLUME   408368.422 3775096.324 110.04
   LOCATION L0003057     VOLUME   408392.125 3775100.082 110.26
   LOCATION L0003058     VOLUME   408415.823 3775103.875 110.52
   LOCATION L0003059     VOLUME   408439.447 3775108.110 110.89
   LOCATION L0003060     VOLUME   408463.070 3775112.345 111.38
   LOCATION L0003061     VOLUME   408486.694 3775116.580 111.85
   LOCATION L0003062     VOLUME   408510.317 3775120.815 112.41
   LOCATION L0003063     VOLUME   408533.941 3775125.050 113.05
   LOCATION L0003064     VOLUME   408557.564 3775129.285 113.32
   LOCATION L0003065     VOLUME   408581.187 3775133.519 113.29
   LOCATION L0003066     VOLUME   408604.811 3775137.754 113.14
   LOCATION L0003067     VOLUME   408628.434 3775141.989 112.42
   LOCATION L0003068     VOLUME   408652.058 3775146.224 110.92
   LOCATION L0003069     VOLUME   408675.681 3775150.459 109.24
   LOCATION L0003070     VOLUME   408699.304 3775154.694 107.36
   LOCATION L0003071     VOLUME   408722.928 3775158.929 105.26
   LOCATION L0003072     VOLUME   408746.551 3775163.164 103.10
   LOCATION L0003073     VOLUME   408770.175 3775167.399 100.83
   LOCATION L0003074     VOLUME   408793.798 3775171.634 98.85
   LOCATION L0003075     VOLUME   408817.421 3775175.869 97.23
   LOCATION L0003076     VOLUME   408841.045 3775180.104 95.96
   LOCATION L0003077     VOLUME   408864.668 3775184.339 96.60
   LOCATION L0003078     VOLUME   408888.310 3775188.464 98.33
   LOCATION L0003079     VOLUME   408912.015 3775192.219 100.22
   LOCATION L0003080     VOLUME   408935.719 3775195.973 102.17
   LOCATION L0003081     VOLUME   408959.424 3775199.728 104.05
   LOCATION L0003082     VOLUME   408983.128 3775203.483 106.03
   LOCATION L0003083     VOLUME   409006.832 3775207.238 108.13
   LOCATION L0003084     VOLUME   409030.537 3775210.993 110.19
   LOCATION L0003085     VOLUME   409054.243 3775214.738 112.10
   LOCATION L0003086     VOLUME   409077.967 3775218.368 113.83
   LOCATION L0003087     VOLUME   409101.691 3775221.998 113.75
   LOCATION L0003088     VOLUME   409125.415 3775225.628 113.40
   LOCATION L0003089     VOLUME   409149.138 3775229.258 112.97
   LOCATION L0003090     VOLUME   409172.862 3775232.888 111.76
   LOCATION L0003091     VOLUME   409196.586 3775236.518 110.25
   LOCATION L0003092     VOLUME   409220.310 3775240.148 108.85
   LOCATION L0003093     VOLUME   409244.034 3775243.778 107.88
   LOCATION L0003094     VOLUME   409267.758 3775247.408 107.57
   LOCATION L0003095     VOLUME   409291.482 3775251.039 107.47
   LOCATION L0003096     VOLUME   409315.206 3775254.669 107.62
   LOCATION L0003097     VOLUME   409338.929 3775258.299 109.10
   LOCATION L0003098     VOLUME   409362.653 3775261.929 110.63
** END OF LINE VOLUME SOURCE ID = SLINE16
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
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** DESCRSRC ON-SITE TRAVEL PA 1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0002616
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 409438.552, 3775243.599, 113.96, 3.49, 4.00
** 409267.347, 3774840.804, 100.64, 3.49, 4.00
** 409491.121, 3774736.376, 114.50, 3.49, 4.00
** 409672.983, 3775170.428, 104.30, 3.49, 4.00
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   LOCATION L0003099     VOLUME   409436.872 3775239.646 111.72
   LOCATION L0003100     VOLUME   409433.512 3775231.741 109.84
   LOCATION L0003101     VOLUME   409430.152 3775223.835 107.94
   LOCATION L0003102     VOLUME   409426.791 3775215.930 106.03
   LOCATION L0003103     VOLUME   409423.431 3775208.024 104.11
   LOCATION L0003104     VOLUME   409420.071 3775200.119 102.17
   LOCATION L0003105     VOLUME   409416.711 3775192.213 100.21
   LOCATION L0003106     VOLUME   409413.351 3775184.308 98.24
   LOCATION L0003107     VOLUME   409409.990 3775176.402 96.26
   LOCATION L0003108     VOLUME   409406.630 3775168.497 94.26
   LOCATION L0003109     VOLUME   409403.270 3775160.591 92.24
   LOCATION L0003110     VOLUME   409399.910 3775152.686 90.72
   LOCATION L0003111     VOLUME   409396.550 3775144.780 89.45
   LOCATION L0003112     VOLUME   409393.189 3775136.875 88.16
   LOCATION L0003113     VOLUME   409389.829 3775128.969 86.87
   LOCATION L0003114     VOLUME   409386.469 3775121.063 85.60
   LOCATION L0003115     VOLUME   409383.109 3775113.158 84.66
   LOCATION L0003116     VOLUME   409379.749 3775105.252 83.71
   LOCATION L0003117     VOLUME   409376.388 3775097.347 82.77
   LOCATION L0003118     VOLUME   409373.028 3775089.441 81.82
   LOCATION L0003119     VOLUME   409369.668 3775081.536 80.88
   LOCATION L0003120     VOLUME   409366.308 3775073.630 79.93
   LOCATION L0003121     VOLUME   409362.948 3775065.725 79.02
   LOCATION L0003122     VOLUME   409359.587 3775057.819 80.39
   LOCATION L0003123     VOLUME   409356.227 3775049.914 81.77
   LOCATION L0003124     VOLUME   409352.867 3775042.008 83.14
   LOCATION L0003125     VOLUME   409349.507 3775034.103 84.52
   LOCATION L0003126     VOLUME   409346.147 3775026.197 85.89
   LOCATION L0003127     VOLUME   409342.787 3775018.292 87.26
   LOCATION L0003128     VOLUME   409339.426 3775010.386 88.64
   LOCATION L0003129     VOLUME   409336.066 3775002.481 90.01
   LOCATION L0003130     VOLUME   409332.706 3774994.575 91.39
   LOCATION L0003131     VOLUME   409329.346 3774986.670 92.76
   LOCATION L0003132     VOLUME   409325.986 3774978.764 94.14
   LOCATION L0003133     VOLUME   409322.625 3774970.859 95.48
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LOCATION L0003134     VOLUME   409319.265 3774962.953 96.78
LOCATION L0003135     VOLUME   409315.905 3774955.048 98.07
LOCATION L0003136     VOLUME   409312.545 3774947.142 99.36
LOCATION L0003137     VOLUME   409309.185 3774939.237 100.64
LOCATION L0003138     VOLUME   409305.824 3774931.331 101.75
LOCATION L0003139     VOLUME   409302.464 3774923.426 102.79
LOCATION L0003140     VOLUME   409299.104 3774915.520 103.81
LOCATION L0003141     VOLUME   409295.744 3774907.615 104.80
LOCATION L0003142     VOLUME   409292.384 3774899.709 105.78
LOCATION L0003143     VOLUME   409289.023 3774891.803 106.73
LOCATION L0003144     VOLUME   409285.663 3774883.898 107.66
LOCATION L0003145     VOLUME   409282.303 3774875.992 107.50
LOCATION L0003146     VOLUME   409278.943 3774868.087 106.91
LOCATION L0003147     VOLUME   409275.583 3774860.181 106.27
LOCATION L0003148     VOLUME   409272.222 3774852.276 105.59
LOCATION L0003149     VOLUME   409268.862 3774844.370 104.86
LOCATION L0003150     VOLUME   409271.620 3774838.810 104.98
LOCATION L0003151     VOLUME   409279.404 3774835.178 105.86
LOCATION L0003152     VOLUME   409287.188 3774831.545 106.78
LOCATION L0003153     VOLUME   409294.972 3774827.913 107.75
LOCATION L0003154     VOLUME   409302.756 3774824.280 108.76
LOCATION L0003155     VOLUME   409310.540 3774820.647 109.44
LOCATION L0003156     VOLUME   409318.324 3774817.015 109.65
LOCATION L0003157     VOLUME   409326.108 3774813.382 109.88
LOCATION L0003158     VOLUME   409333.892 3774809.750 110.12
LOCATION L0003159     VOLUME   409341.677 3774806.117 110.37
LOCATION L0003160     VOLUME   409349.461 3774802.485 110.64
LOCATION L0003161     VOLUME   409357.245 3774798.852 110.93
LOCATION L0003162     VOLUME   409365.029 3774795.219 111.23
LOCATION L0003163     VOLUME   409372.813 3774791.587 111.55
LOCATION L0003164     VOLUME   409380.597 3774787.954 111.89
LOCATION L0003165     VOLUME   409388.381 3774784.322 111.57
LOCATION L0003166     VOLUME   409396.165 3774780.689 110.88
LOCATION L0003167     VOLUME   409403.949 3774777.056 110.31
LOCATION L0003168     VOLUME   409411.734 3774773.424 109.84
LOCATION L0003169     VOLUME   409419.518 3774769.791 109.48
LOCATION L0003170     VOLUME   409427.302 3774766.159 109.23
LOCATION L0003171     VOLUME   409435.086 3774762.526 109.09
LOCATION L0003172     VOLUME   409442.870 3774758.894 109.06
LOCATION L0003173     VOLUME   409450.654 3774755.261 109.13
LOCATION L0003174     VOLUME   409458.438 3774751.628 109.32
LOCATION L0003175     VOLUME   409466.222 3774747.996 108.99
LOCATION L0003176     VOLUME   409474.006 3774744.363 108.49
LOCATION L0003177     VOLUME   409481.791 3774740.731 107.99
LOCATION L0003178     VOLUME   409489.575 3774737.098 107.48
LOCATION L0003179     VOLUME   409493.781 3774742.725 105.91
LOCATION L0003180     VOLUME   409497.101 3774750.647 104.07
LOCATION L0003181     VOLUME   409500.420 3774758.570 102.23
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LOCATION L0003182     VOLUME   409503.740 3774766.493 100.38
LOCATION L0003183     VOLUME   409507.059 3774774.416 98.54
LOCATION L0003184     VOLUME   409510.379 3774782.338 96.70
LOCATION L0003185     VOLUME   409513.698 3774790.261 95.56
LOCATION L0003186     VOLUME   409517.018 3774798.184 95.53
LOCATION L0003187     VOLUME   409520.337 3774806.106 95.52
LOCATION L0003188     VOLUME   409523.657 3774814.029 95.55
LOCATION L0003189     VOLUME   409526.976 3774821.952 95.60
LOCATION L0003190     VOLUME   409530.296 3774829.874 95.68
LOCATION L0003191     VOLUME   409533.615 3774837.797 95.79
LOCATION L0003192     VOLUME   409536.935 3774845.720 95.94
LOCATION L0003193     VOLUME   409540.254 3774853.643 95.96
LOCATION L0003194     VOLUME   409543.574 3774861.565 95.95
LOCATION L0003195     VOLUME   409546.893 3774869.488 95.97
LOCATION L0003196     VOLUME   409550.213 3774877.411 96.01
LOCATION L0003197     VOLUME   409553.532 3774885.333 94.77
LOCATION L0003198     VOLUME   409556.852 3774893.256 93.17
LOCATION L0003199     VOLUME   409560.171 3774901.179 91.61
LOCATION L0003200     VOLUME   409563.491 3774909.101 90.09
LOCATION L0003201     VOLUME   409566.810 3774917.024 88.61
LOCATION L0003202     VOLUME   409570.130 3774924.947 87.16
LOCATION L0003203     VOLUME   409573.449 3774932.869 85.75
LOCATION L0003204     VOLUME   409576.769 3774940.792 84.37
LOCATION L0003205     VOLUME   409580.088 3774948.715 83.03
LOCATION L0003206     VOLUME   409583.408 3774956.638 81.73
LOCATION L0003207     VOLUME   409586.727 3774964.560 80.46
LOCATION L0003208     VOLUME   409590.047 3774972.483 79.71
LOCATION L0003209     VOLUME   409593.366 3774980.406 81.61
LOCATION L0003210     VOLUME   409596.686 3774988.328 83.60
LOCATION L0003211     VOLUME   409600.005 3774996.251 85.67
LOCATION L0003212     VOLUME   409603.324 3775004.174 87.84
LOCATION L0003213     VOLUME   409606.644 3775012.096 90.09
LOCATION L0003214     VOLUME   409609.963 3775020.019 92.42
LOCATION L0003215     VOLUME   409613.283 3775027.942 94.85
LOCATION L0003216     VOLUME   409616.602 3775035.864 97.36
LOCATION L0003217     VOLUME   409619.922 3775043.787 99.64
LOCATION L0003218     VOLUME   409623.241 3775051.710 101.92
LOCATION L0003219     VOLUME   409626.561 3775059.633 104.21
LOCATION L0003220     VOLUME   409629.880 3775067.555 105.29
LOCATION L0003221     VOLUME   409633.200 3775075.478 105.32
LOCATION L0003222     VOLUME   409636.519 3775083.401 105.34
LOCATION L0003223     VOLUME   409639.839 3775091.323 105.35
LOCATION L0003224     VOLUME   409643.158 3775099.246 105.36
LOCATION L0003225     VOLUME   409646.478 3775107.169 105.36
LOCATION L0003226     VOLUME   409649.797 3775115.091 105.35
LOCATION L0003227     VOLUME   409653.117 3775123.014 105.33
LOCATION L0003228     VOLUME   409656.436 3775130.937 105.31
LOCATION L0003229     VOLUME   409659.756 3775138.859 105.28
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   LOCATION L0003230     VOLUME   409663.075 3775146.782 105.24
   LOCATION L0003231     VOLUME   409666.395 3775154.705 105.19
   LOCATION L0003232     VOLUME   409669.714 3775162.628 106.28
** END OF LINE VOLUME SOURCE ID = SLINE7
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE18
** DESCRSRC ON-SITE EQUIPMENT PA 1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0001625009
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 409438.552, 3775243.599, 113.96, 3.49, 4.00
** 409267.347, 3774840.804, 100.64, 3.49, 4.00
** 409491.121, 3774736.376, 114.50, 3.49, 4.00
** 409672.983, 3775170.428, 104.30, 3.49, 4.00
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   LOCATION L0002210     VOLUME   409436.872 3775239.646 111.72
   LOCATION L0002211     VOLUME   409433.512 3775231.741 109.84
   LOCATION L0002212     VOLUME   409430.152 3775223.835 107.94
   LOCATION L0002213     VOLUME   409426.791 3775215.930 106.03
   LOCATION L0002214     VOLUME   409423.431 3775208.024 104.11
   LOCATION L0002215     VOLUME   409420.071 3775200.119 102.17
   LOCATION L0002216     VOLUME   409416.711 3775192.213 100.21
   LOCATION L0002217     VOLUME   409413.351 3775184.308 98.24
   LOCATION L0002218     VOLUME   409409.990 3775176.402 96.26
   LOCATION L0002219     VOLUME   409406.630 3775168.497 94.26
   LOCATION L0002220     VOLUME   409403.270 3775160.591 92.24
   LOCATION L0002221     VOLUME   409399.910 3775152.686 90.72
   LOCATION L0002222     VOLUME   409396.550 3775144.780 89.45
   LOCATION L0002223     VOLUME   409393.189 3775136.875 88.16
   LOCATION L0002224     VOLUME   409389.829 3775128.969 86.87
   LOCATION L0002225     VOLUME   409386.469 3775121.063 85.60
   LOCATION L0002226     VOLUME   409383.109 3775113.158 84.66
   LOCATION L0002227     VOLUME   409379.749 3775105.252 83.71
   LOCATION L0002228     VOLUME   409376.388 3775097.347 82.77
   LOCATION L0002229     VOLUME   409373.028 3775089.441 81.82
   LOCATION L0002230     VOLUME   409369.668 3775081.536 80.88
   LOCATION L0002231     VOLUME   409366.308 3775073.630 79.93
   LOCATION L0002232     VOLUME   409362.948 3775065.725 79.02
   LOCATION L0002233     VOLUME   409359.587 3775057.819 80.39
   LOCATION L0002234     VOLUME   409356.227 3775049.914 81.77
   LOCATION L0002235     VOLUME   409352.867 3775042.008 83.14
   LOCATION L0002236     VOLUME   409349.507 3775034.103 84.52
   LOCATION L0002237     VOLUME   409346.147 3775026.197 85.89
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LOCATION L0002238     VOLUME   409342.787 3775018.292 87.26
LOCATION L0002239     VOLUME   409339.426 3775010.386 88.64
LOCATION L0002240     VOLUME   409336.066 3775002.481 90.01
LOCATION L0002241     VOLUME   409332.706 3774994.575 91.39
LOCATION L0002242     VOLUME   409329.346 3774986.670 92.76
LOCATION L0002243     VOLUME   409325.986 3774978.764 94.14
LOCATION L0002244     VOLUME   409322.625 3774970.859 95.48
LOCATION L0002245     VOLUME   409319.265 3774962.953 96.78
LOCATION L0002246     VOLUME   409315.905 3774955.048 98.07
LOCATION L0002247     VOLUME   409312.545 3774947.142 99.36
LOCATION L0002248     VOLUME   409309.185 3774939.237 100.64
LOCATION L0002249     VOLUME   409305.824 3774931.331 101.75
LOCATION L0002250     VOLUME   409302.464 3774923.426 102.79
LOCATION L0002251     VOLUME   409299.104 3774915.520 103.81
LOCATION L0002252     VOLUME   409295.744 3774907.615 104.80
LOCATION L0002253     VOLUME   409292.384 3774899.709 105.78
LOCATION L0002254     VOLUME   409289.023 3774891.803 106.73
LOCATION L0002255     VOLUME   409285.663 3774883.898 107.66
LOCATION L0002256     VOLUME   409282.303 3774875.992 107.50
LOCATION L0002257     VOLUME   409278.943 3774868.087 106.91
LOCATION L0002258     VOLUME   409275.583 3774860.181 106.27
LOCATION L0002259     VOLUME   409272.222 3774852.276 105.59
LOCATION L0002260     VOLUME   409268.862 3774844.370 104.86
LOCATION L0002261     VOLUME   409271.620 3774838.810 104.98
LOCATION L0002262     VOLUME   409279.404 3774835.178 105.86
LOCATION L0002263     VOLUME   409287.188 3774831.545 106.78
LOCATION L0002264     VOLUME   409294.972 3774827.913 107.75
LOCATION L0002265     VOLUME   409302.756 3774824.280 108.76
LOCATION L0002266     VOLUME   409310.540 3774820.647 109.44
LOCATION L0002267     VOLUME   409318.324 3774817.015 109.65
LOCATION L0002268     VOLUME   409326.108 3774813.382 109.88
LOCATION L0002269     VOLUME   409333.892 3774809.750 110.12
LOCATION L0002270     VOLUME   409341.677 3774806.117 110.37
LOCATION L0002271     VOLUME   409349.461 3774802.485 110.64
LOCATION L0002272     VOLUME   409357.245 3774798.852 110.93
LOCATION L0002273     VOLUME   409365.029 3774795.219 111.23
LOCATION L0002274     VOLUME   409372.813 3774791.587 111.55
LOCATION L0002275     VOLUME   409380.597 3774787.954 111.89
LOCATION L0002276     VOLUME   409388.381 3774784.322 111.57
LOCATION L0002277     VOLUME   409396.165 3774780.689 110.88
LOCATION L0002278     VOLUME   409403.949 3774777.056 110.31
LOCATION L0002279     VOLUME   409411.734 3774773.424 109.84
LOCATION L0002280     VOLUME   409419.518 3774769.791 109.48
LOCATION L0002281     VOLUME   409427.302 3774766.159 109.23
LOCATION L0002282     VOLUME   409435.086 3774762.526 109.09
LOCATION L0002283     VOLUME   409442.870 3774758.894 109.06
LOCATION L0002284     VOLUME   409450.654 3774755.261 109.13
LOCATION L0002285     VOLUME   409458.438 3774751.628 109.32
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LOCATION L0002286     VOLUME   409466.222 3774747.996 108.99
LOCATION L0002287     VOLUME   409474.006 3774744.363 108.49
LOCATION L0002288     VOLUME   409481.791 3774740.731 107.99
LOCATION L0002289     VOLUME   409489.575 3774737.098 107.48
LOCATION L0002290     VOLUME   409493.781 3774742.725 105.91
LOCATION L0002291     VOLUME   409497.101 3774750.647 104.07
LOCATION L0002292     VOLUME   409500.420 3774758.570 102.23
LOCATION L0002293     VOLUME   409503.740 3774766.493 100.38
LOCATION L0002294     VOLUME   409507.059 3774774.416 98.54
LOCATION L0002295     VOLUME   409510.379 3774782.338 96.70
LOCATION L0002296     VOLUME   409513.698 3774790.261 95.56
LOCATION L0002297     VOLUME   409517.018 3774798.184 95.53
LOCATION L0002298     VOLUME   409520.337 3774806.106 95.52
LOCATION L0002299     VOLUME   409523.657 3774814.029 95.55
LOCATION L0002300     VOLUME   409526.976 3774821.952 95.60
LOCATION L0002301     VOLUME   409530.296 3774829.874 95.68
LOCATION L0002302     VOLUME   409533.615 3774837.797 95.79
LOCATION L0002303     VOLUME   409536.935 3774845.720 95.94
LOCATION L0002304     VOLUME   409540.254 3774853.643 95.96
LOCATION L0002305     VOLUME   409543.574 3774861.565 95.95
LOCATION L0002306     VOLUME   409546.893 3774869.488 95.97
LOCATION L0002307     VOLUME   409550.213 3774877.411 96.01
LOCATION L0002308     VOLUME   409553.532 3774885.333 94.77
LOCATION L0002309     VOLUME   409556.852 3774893.256 93.17
LOCATION L0002310     VOLUME   409560.171 3774901.179 91.61
LOCATION L0002311     VOLUME   409563.491 3774909.101 90.09
LOCATION L0002312     VOLUME   409566.810 3774917.024 88.61
LOCATION L0002313     VOLUME   409570.130 3774924.947 87.16
LOCATION L0002314     VOLUME   409573.449 3774932.869 85.75
LOCATION L0002315     VOLUME   409576.769 3774940.792 84.37
LOCATION L0002316     VOLUME   409580.088 3774948.715 83.03
LOCATION L0002317     VOLUME   409583.408 3774956.638 81.73
LOCATION L0002318     VOLUME   409586.727 3774964.560 80.46
LOCATION L0002319     VOLUME   409590.047 3774972.483 79.71
LOCATION L0002320     VOLUME   409593.366 3774980.406 81.61
LOCATION L0002321     VOLUME   409596.686 3774988.328 83.60
LOCATION L0002322     VOLUME   409600.005 3774996.251 85.67
LOCATION L0002323     VOLUME   409603.324 3775004.174 87.84
LOCATION L0002324     VOLUME   409606.644 3775012.096 90.09
LOCATION L0002325     VOLUME   409609.963 3775020.019 92.42
LOCATION L0002326     VOLUME   409613.283 3775027.942 94.85
LOCATION L0002327     VOLUME   409616.602 3775035.864 97.36
LOCATION L0002328     VOLUME   409619.922 3775043.787 99.64
LOCATION L0002329     VOLUME   409623.241 3775051.710 101.92
LOCATION L0002330     VOLUME   409626.561 3775059.633 104.21
LOCATION L0002331     VOLUME   409629.880 3775067.555 105.29
LOCATION L0002332     VOLUME   409633.200 3775075.478 105.32
LOCATION L0002333     VOLUME   409636.519 3775083.401 105.34
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   LOCATION L0002334     VOLUME   409639.839 3775091.323 105.35
   LOCATION L0002335     VOLUME   409643.158 3775099.246 105.36
   LOCATION L0002336     VOLUME   409646.478 3775107.169 105.36
   LOCATION L0002337     VOLUME   409649.797 3775115.091 105.35
   LOCATION L0002338     VOLUME   409653.117 3775123.014 105.33
   LOCATION L0002339     VOLUME   409656.436 3775130.937 105.31
   LOCATION L0002340     VOLUME   409659.756 3775138.859 105.28
   LOCATION L0002341     VOLUME   409663.075 3775146.782 105.24
   LOCATION L0002342     VOLUME   409666.395 3775154.705 105.19
   LOCATION L0002343     VOLUME   409669.714 3775162.628 106.28
** END OF LINE VOLUME SOURCE ID = SLINE18
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE17
** DESCRSRC 1% OFF-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 24.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.445E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 408893.712, 3774971.898, 83.82, 3.49, 11.16
** 408620.574, 3775096.312, 112.90, 3.49, 11.16
** 408576.243, 3775132.063, 111.91, 3.49, 11.16
** 407625.266, 3774969.038, 106.62, 3.49, 11.16
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   LOCATION L0003233     VOLUME   408882.792 3774976.873 90.94
   LOCATION L0003234     VOLUME   408860.951 3774986.821 97.71
   LOCATION L0003235     VOLUME   408839.110 3774996.770 102.87
   LOCATION L0003236     VOLUME   408817.269 3775006.718 105.79
   LOCATION L0003237     VOLUME   408795.428 3775016.667 108.53
   LOCATION L0003238     VOLUME   408773.587 3775026.615 111.09
   LOCATION L0003239     VOLUME   408751.746 3775036.563 111.62
   LOCATION L0003240     VOLUME   408729.905 3775046.512 112.08
   LOCATION L0003241     VOLUME   408708.064 3775056.460 112.72
   LOCATION L0003242     VOLUME   408686.223 3775066.409 113.14
   LOCATION L0003243     VOLUME   408664.382 3775076.357 112.85
   LOCATION L0003244     VOLUME   408642.541 3775086.306 112.72
   LOCATION L0003245     VOLUME   408620.700 3775096.254 112.95
   LOCATION L0003246     VOLUME   408602.000 3775111.291 112.93
   LOCATION L0003247     VOLUME   408583.318 3775126.357 113.13
   LOCATION L0003248     VOLUME   408561.547 3775129.544 113.31
   LOCATION L0003249     VOLUME   408537.892 3775125.488 113.16
   LOCATION L0003250     VOLUME   408514.237 3775121.433 112.51
   LOCATION L0003251     VOLUME   408490.582 3775117.378 111.94
   LOCATION L0003252     VOLUME   408466.927 3775113.323 111.46
   LOCATION L0003253     VOLUME   408443.272 3775109.268 110.96
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   LOCATION L0003254     VOLUME   408419.617 3775105.213 110.56
   LOCATION L0003255     VOLUME   408395.962 3775101.158 110.28
   LOCATION L0003256     VOLUME   408372.307 3775097.102 110.07
   LOCATION L0003257     VOLUME   408348.652 3775093.047 109.96
   LOCATION L0003258     VOLUME   408324.998 3775088.992 110.00
   LOCATION L0003259     VOLUME   408301.343 3775084.937 110.08
   LOCATION L0003260     VOLUME   408277.688 3775080.882 110.12
   LOCATION L0003261     VOLUME   408254.033 3775076.827 110.24
   LOCATION L0003262     VOLUME   408230.378 3775072.772 109.57
   LOCATION L0003263     VOLUME   408206.723 3775068.717 108.84
   LOCATION L0003264     VOLUME   408183.068 3775064.661 108.12
   LOCATION L0003265     VOLUME   408159.413 3775060.606 107.39
   LOCATION L0003266     VOLUME   408135.758 3775056.551 106.55
   LOCATION L0003267     VOLUME   408112.103 3775052.496 105.63
   LOCATION L0003268     VOLUME   408088.448 3775048.441 104.65
   LOCATION L0003269     VOLUME   408064.793 3775044.386 103.71
   LOCATION L0003270     VOLUME   408041.138 3775040.331 102.86
   LOCATION L0003271     VOLUME   408017.483 3775036.276 102.06
   LOCATION L0003272     VOLUME   407993.828 3775032.220 101.89
   LOCATION L0003273     VOLUME   407970.173 3775028.165 102.88
   LOCATION L0003274     VOLUME   407946.519 3775024.110 104.09
   LOCATION L0003275     VOLUME   407922.864 3775020.055 105.47
   LOCATION L0003276     VOLUME   407899.209 3775016.000 106.46
   LOCATION L0003277     VOLUME   407875.554 3775011.945 107.52
   LOCATION L0003278     VOLUME   407851.899 3775007.890 108.63
   LOCATION L0003279     VOLUME   407828.244 3775003.834 108.22
   LOCATION L0003280     VOLUME   407804.589 3774999.779 107.45
   LOCATION L0003281     VOLUME   407780.934 3774995.724 106.56
   LOCATION L0003282     VOLUME   407757.279 3774991.669 106.09
   LOCATION L0003283     VOLUME   407733.624 3774987.614 106.07
   LOCATION L0003284     VOLUME   407709.969 3774983.559 106.26
   LOCATION L0003285     VOLUME   407686.314 3774979.504 106.44
   LOCATION L0003286     VOLUME   407662.659 3774975.449 106.63
   LOCATION L0003287     VOLUME   407639.004 3774971.393 106.81
** END OF LINE VOLUME SOURCE ID = SLINE17
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0002344     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002345     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002346     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002347     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002348     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002349     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002350     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002351     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002352     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002353     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002354     0.000001914      3.49      4.00      3.25
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   SRCPARAM L0002355     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002356     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002357     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002358     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002359     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002360     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002361     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002362     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002363     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002364     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002365     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002366     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002367     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002368     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002369     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002370     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002371     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002372     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002373     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002374     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002375     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002376     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002377     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002378     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002379     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002380     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002381     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002382     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002383     0.000001914      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE2
   SRCPARAM L0002384     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002385     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002386     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002387     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002388     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002389     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002390     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002391     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002392     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002393     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002394     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002395     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002396     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002397     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002398     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002399     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002400     0.000001914      3.49      4.00      3.25
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   SRCPARAM L0002401     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002402     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002403     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002404     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002405     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002406     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002407     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002408     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002409     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002410     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002411     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002412     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002413     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002414     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002415     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002416     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002417     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002418     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002419     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002420     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002421     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002422     0.000001914      3.49      4.00      3.25
   SRCPARAM L0002423     0.000001914      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE3
   SRCPARAM L0002424     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002425     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002426     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002427     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002428     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002429     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002430     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002431     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002432     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002433     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002434     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002435     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002436     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002437     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002438     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002439     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002440     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002441     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002442     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002443     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002444     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002445     0.000001223      3.49      4.00      3.25
   SRCPARAM L0002446     0.000001223      3.49      4.00      3.25
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** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE4
   SRCPARAM L0002447     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002448     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002449     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002450     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002451     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002452     0.000004017      3.49      4.00      3.25
   SRCPARAM L0002453     0.000004017      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0002454     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002455     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002456     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002457     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002458     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002459     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002460     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002461     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002462     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002463     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002464     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002465     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002466     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002467     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002468     0.000001479      3.49      4.00      3.25
   SRCPARAM L0002469     0.000001479      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0002470     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002471     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002472     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002473     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002474     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002475     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002476     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002477     0.00000263      3.49      4.00      3.25
   SRCPARAM L0002478     0.00000263      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE9
   SRCPARAM L0002816     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002817     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002818     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002819     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002820     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002821     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002822     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002823     0.0000007188      3.49      4.00      3.25
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   SRCPARAM L0002824     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002825     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002826     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002827     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002828     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002829     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002830     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002831     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002832     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002833     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002834     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002835     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002836     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002837     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002838     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002839     0.0000007188      3.49      4.00      3.25
   SRCPARAM L0002840     0.0000007188      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE19
   SRCPARAM L0002081     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002082     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002083     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002084     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002085     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002086     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002087     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002088     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002089     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002090     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002091     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002092     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002093     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002094     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002095     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002096     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002097     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002098     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002099     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002100     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002101     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002102     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002103     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002104     0.000002167      3.49      4.00      3.25
   SRCPARAM L0002105     0.000002167      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE10
   SRCPARAM L0002841     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002842     0.0000005933      3.49      4.00      3.25
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   SRCPARAM L0002843     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002844     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002845     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002846     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002847     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002848     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002849     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002850     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002851     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002852     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002853     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002854     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002855     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002856     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002857     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002858     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002859     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002860     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002861     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002862     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002863     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002864     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002865     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002866     0.0000005933      3.49      4.00      3.25
   SRCPARAM L0002867     0.0000005933      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE20
   SRCPARAM L0002156     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002157     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002158     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002159     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002160     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002161     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002162     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002163     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002164     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002165     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002166     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002167     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002168     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002169     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002170     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002171     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002172     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002173     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002174     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002175     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002176     0.000002006      3.49      4.00      3.25
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   SRCPARAM L0002177     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002178     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002179     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002180     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002181     0.000002006      3.49      4.00      3.25
   SRCPARAM L0002182     0.000002006      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE11
   SRCPARAM L0002868     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002869     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002870     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002871     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002872     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002873     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002874     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002875     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002876     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002877     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002878     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002879     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002880     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002881     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002882     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002883     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002884     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002885     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002886     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002887     0.000002125      3.49      9.66      3.25
   SRCPARAM L0002888     0.000002125      3.49      9.66      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE12
   SRCPARAM L0002889     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002890     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002891     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002892     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002893     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002894     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002895     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002896     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002897     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002898     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002899     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002900     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002901     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002902     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002903     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002904     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002905     0.00000246      3.49     13.02      3.25
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   SRCPARAM L0002906     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002907     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002908     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002909     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002910     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002911     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002912     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002913     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002914     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002915     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002916     0.00000246      3.49     13.02      3.25
   SRCPARAM L0002917     0.00000246      3.49     13.02      3.25
** --------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE13
   SRCPARAM L0002918     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002919     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002920     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002921     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002922     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002923     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002924     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002925     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002926     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002927     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002928     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002929     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002930     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002931     0.000002299      3.49     11.63      3.25
   SRCPARAM L0002932     0.000002299      3.49     11.63      3.25
** --------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE14
   SRCPARAM L0002933     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002934     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002935     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002936     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002937     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002938     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002939     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002940     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002941     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002942     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002943     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002944     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002945     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002946     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002947     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002948     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002949     0.000002053      3.49     11.63      3.25
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   SRCPARAM L0002950     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002951     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002952     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002953     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002954     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002955     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002956     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002957     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002958     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002959     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002960     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002961     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002962     0.000002053      3.49     11.63      3.25
   SRCPARAM L0002963     0.000002053      3.49     11.63      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE15
   SRCPARAM L0002964     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002965     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002966     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002967     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002968     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002969     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002970     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002971     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002972     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002973     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002974     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002975     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002976     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002977     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002978     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002979     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002980     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002981     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002982     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002983     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002984     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002985     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002986     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002987     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002988     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002989     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002990     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002991     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002992     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002993     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002994     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002995     0.00000004439      3.49     11.16      3.25
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   SRCPARAM L0002996     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002997     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002998     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0002999     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003000     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003001     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003002     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003003     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003004     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003005     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003006     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003007     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003008     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003009     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003010     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003011     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003012     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003013     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003014     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003015     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003016     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003017     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003018     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003019     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003020     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003021     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003022     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003023     0.00000004439      3.49     11.16      3.25
   SRCPARAM L0003024     0.00000004439      3.49     11.16      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE16
   SRCPARAM L0003025     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003026     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003027     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003028     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003029     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003030     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003031     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003032     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003033     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003034     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003035     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003036     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003037     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003038     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003039     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003040     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003041     0.00000004439      0.00     11.16      3.25
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SRCPARAM L0003042     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003043     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003044     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003045     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003046     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003047     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003048     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003049     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003050     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003051     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003052     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003053     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003054     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003055     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003056     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003057     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003058     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003059     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003060     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003061     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003062     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003063     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003064     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003065     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003066     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003067     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003068     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003069     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003070     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003071     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003072     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003073     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003074     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003075     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003076     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003077     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003078     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003079     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003080     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003081     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003082     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003083     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003084     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003085     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003086     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003087     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003088     0.00000004439      0.00     11.16      3.25
SRCPARAM L0003089     0.00000004439      0.00     11.16      3.25
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   SRCPARAM L0003090     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003091     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003092     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003093     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003094     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003095     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003096     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003097     0.00000004439      0.00     11.16      3.25
   SRCPARAM L0003098     0.00000004439      0.00     11.16      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE7
   SRCPARAM L0003099     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003100     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003101     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003102     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003103     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003104     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003105     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003106     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003107     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003108     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003109     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003110     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003111     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003112     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003113     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003114     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003115     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003116     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003117     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003118     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003119     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003120     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003121     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003122     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003123     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003124     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003125     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003126     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003127     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003128     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003129     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003130     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003131     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003132     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003133     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003134     0.000001952      3.49      4.00      3.25
   SRCPARAM L0003135     0.000001952      3.49      4.00      3.25
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SRCPARAM L0003136     0.000001952      3.49      4.00      3.25
SRCPARAM L0003137     0.000001952      3.49      4.00      3.25
SRCPARAM L0003138     0.000001952      3.49      4.00      3.25
SRCPARAM L0003139     0.000001952      3.49      4.00      3.25
SRCPARAM L0003140     0.000001952      3.49      4.00      3.25
SRCPARAM L0003141     0.000001952      3.49      4.00      3.25
SRCPARAM L0003142     0.000001952      3.49      4.00      3.25
SRCPARAM L0003143     0.000001952      3.49      4.00      3.25
SRCPARAM L0003144     0.000001952      3.49      4.00      3.25
SRCPARAM L0003145     0.000001952      3.49      4.00      3.25
SRCPARAM L0003146     0.000001952      3.49      4.00      3.25
SRCPARAM L0003147     0.000001952      3.49      4.00      3.25
SRCPARAM L0003148     0.000001952      3.49      4.00      3.25
SRCPARAM L0003149     0.000001952      3.49      4.00      3.25
SRCPARAM L0003150     0.000001952      3.49      4.00      3.25
SRCPARAM L0003151     0.000001952      3.49      4.00      3.25
SRCPARAM L0003152     0.000001952      3.49      4.00      3.25
SRCPARAM L0003153     0.000001952      3.49      4.00      3.25
SRCPARAM L0003154     0.000001952      3.49      4.00      3.25
SRCPARAM L0003155     0.000001952      3.49      4.00      3.25
SRCPARAM L0003156     0.000001952      3.49      4.00      3.25
SRCPARAM L0003157     0.000001952      3.49      4.00      3.25
SRCPARAM L0003158     0.000001952      3.49      4.00      3.25
SRCPARAM L0003159     0.000001952      3.49      4.00      3.25
SRCPARAM L0003160     0.000001952      3.49      4.00      3.25
SRCPARAM L0003161     0.000001952      3.49      4.00      3.25
SRCPARAM L0003162     0.000001952      3.49      4.00      3.25
SRCPARAM L0003163     0.000001952      3.49      4.00      3.25
SRCPARAM L0003164     0.000001952      3.49      4.00      3.25
SRCPARAM L0003165     0.000001952      3.49      4.00      3.25
SRCPARAM L0003166     0.000001952      3.49      4.00      3.25
SRCPARAM L0003167     0.000001952      3.49      4.00      3.25
SRCPARAM L0003168     0.000001952      3.49      4.00      3.25
SRCPARAM L0003169     0.000001952      3.49      4.00      3.25
SRCPARAM L0003170     0.000001952      3.49      4.00      3.25
SRCPARAM L0003171     0.000001952      3.49      4.00      3.25
SRCPARAM L0003172     0.000001952      3.49      4.00      3.25
SRCPARAM L0003173     0.000001952      3.49      4.00      3.25
SRCPARAM L0003174     0.000001952      3.49      4.00      3.25
SRCPARAM L0003175     0.000001952      3.49      4.00      3.25
SRCPARAM L0003176     0.000001952      3.49      4.00      3.25
SRCPARAM L0003177     0.000001952      3.49      4.00      3.25
SRCPARAM L0003178     0.000001952      3.49      4.00      3.25
SRCPARAM L0003179     0.000001952      3.49      4.00      3.25
SRCPARAM L0003180     0.000001952      3.49      4.00      3.25
SRCPARAM L0003181     0.000001952      3.49      4.00      3.25
SRCPARAM L0003182     0.000001952      3.49      4.00      3.25
SRCPARAM L0003183     0.000001952      3.49      4.00      3.25
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SRCPARAM L0003184     0.000001952      3.49      4.00      3.25
SRCPARAM L0003185     0.000001952      3.49      4.00      3.25
SRCPARAM L0003186     0.000001952      3.49      4.00      3.25
SRCPARAM L0003187     0.000001952      3.49      4.00      3.25
SRCPARAM L0003188     0.000001952      3.49      4.00      3.25
SRCPARAM L0003189     0.000001952      3.49      4.00      3.25
SRCPARAM L0003190     0.000001952      3.49      4.00      3.25
SRCPARAM L0003191     0.000001952      3.49      4.00      3.25
SRCPARAM L0003192     0.000001952      3.49      4.00      3.25
SRCPARAM L0003193     0.000001952      3.49      4.00      3.25
SRCPARAM L0003194     0.000001952      3.49      4.00      3.25
SRCPARAM L0003195     0.000001952      3.49      4.00      3.25
SRCPARAM L0003196     0.000001952      3.49      4.00      3.25
SRCPARAM L0003197     0.000001952      3.49      4.00      3.25
SRCPARAM L0003198     0.000001952      3.49      4.00      3.25
SRCPARAM L0003199     0.000001952      3.49      4.00      3.25
SRCPARAM L0003200     0.000001952      3.49      4.00      3.25
SRCPARAM L0003201     0.000001952      3.49      4.00      3.25
SRCPARAM L0003202     0.000001952      3.49      4.00      3.25
SRCPARAM L0003203     0.000001952      3.49      4.00      3.25
SRCPARAM L0003204     0.000001952      3.49      4.00      3.25
SRCPARAM L0003205     0.000001952      3.49      4.00      3.25
SRCPARAM L0003206     0.000001952      3.49      4.00      3.25
SRCPARAM L0003207     0.000001952      3.49      4.00      3.25
SRCPARAM L0003208     0.000001952      3.49      4.00      3.25
SRCPARAM L0003209     0.000001952      3.49      4.00      3.25
SRCPARAM L0003210     0.000001952      3.49      4.00      3.25
SRCPARAM L0003211     0.000001952      3.49      4.00      3.25
SRCPARAM L0003212     0.000001952      3.49      4.00      3.25
SRCPARAM L0003213     0.000001952      3.49      4.00      3.25
SRCPARAM L0003214     0.000001952      3.49      4.00      3.25
SRCPARAM L0003215     0.000001952      3.49      4.00      3.25
SRCPARAM L0003216     0.000001952      3.49      4.00      3.25
SRCPARAM L0003217     0.000001952      3.49      4.00      3.25
SRCPARAM L0003218     0.000001952      3.49      4.00      3.25
SRCPARAM L0003219     0.000001952      3.49      4.00      3.25
SRCPARAM L0003220     0.000001952      3.49      4.00      3.25
SRCPARAM L0003221     0.000001952      3.49      4.00      3.25
SRCPARAM L0003222     0.000001952      3.49      4.00      3.25
SRCPARAM L0003223     0.000001952      3.49      4.00      3.25
SRCPARAM L0003224     0.000001952      3.49      4.00      3.25
SRCPARAM L0003225     0.000001952      3.49      4.00      3.25
SRCPARAM L0003226     0.000001952      3.49      4.00      3.25
SRCPARAM L0003227     0.000001952      3.49      4.00      3.25
SRCPARAM L0003228     0.000001952      3.49      4.00      3.25
SRCPARAM L0003229     0.000001952      3.49      4.00      3.25
SRCPARAM L0003230     0.000001952      3.49      4.00      3.25
SRCPARAM L0003231     0.000001952      3.49      4.00      3.25
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   SRCPARAM L0003232     0.000001952      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE18
   SRCPARAM L0002210     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002211     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002212     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002213     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002214     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002215     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002216     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002217     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002218     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002219     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002220     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002221     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002222     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002223     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002224     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002225     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002226     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002227     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002228     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002229     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002230     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002231     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002232     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002233     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002234     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002235     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002236     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002237     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002238     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002239     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002240     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002241     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002242     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002243     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002244     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002245     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002246     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002247     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002248     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002249     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002250     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002251     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002252     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002253     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002254     0.000001213      3.49      4.00      3.25
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SRCPARAM L0002255     0.000001213      3.49      4.00      3.25
SRCPARAM L0002256     0.000001213      3.49      4.00      3.25
SRCPARAM L0002257     0.000001213      3.49      4.00      3.25
SRCPARAM L0002258     0.000001213      3.49      4.00      3.25
SRCPARAM L0002259     0.000001213      3.49      4.00      3.25
SRCPARAM L0002260     0.000001213      3.49      4.00      3.25
SRCPARAM L0002261     0.000001213      3.49      4.00      3.25
SRCPARAM L0002262     0.000001213      3.49      4.00      3.25
SRCPARAM L0002263     0.000001213      3.49      4.00      3.25
SRCPARAM L0002264     0.000001213      3.49      4.00      3.25
SRCPARAM L0002265     0.000001213      3.49      4.00      3.25
SRCPARAM L0002266     0.000001213      3.49      4.00      3.25
SRCPARAM L0002267     0.000001213      3.49      4.00      3.25
SRCPARAM L0002268     0.000001213      3.49      4.00      3.25
SRCPARAM L0002269     0.000001213      3.49      4.00      3.25
SRCPARAM L0002270     0.000001213      3.49      4.00      3.25
SRCPARAM L0002271     0.000001213      3.49      4.00      3.25
SRCPARAM L0002272     0.000001213      3.49      4.00      3.25
SRCPARAM L0002273     0.000001213      3.49      4.00      3.25
SRCPARAM L0002274     0.000001213      3.49      4.00      3.25
SRCPARAM L0002275     0.000001213      3.49      4.00      3.25
SRCPARAM L0002276     0.000001213      3.49      4.00      3.25
SRCPARAM L0002277     0.000001213      3.49      4.00      3.25
SRCPARAM L0002278     0.000001213      3.49      4.00      3.25
SRCPARAM L0002279     0.000001213      3.49      4.00      3.25
SRCPARAM L0002280     0.000001213      3.49      4.00      3.25
SRCPARAM L0002281     0.000001213      3.49      4.00      3.25
SRCPARAM L0002282     0.000001213      3.49      4.00      3.25
SRCPARAM L0002283     0.000001213      3.49      4.00      3.25
SRCPARAM L0002284     0.000001213      3.49      4.00      3.25
SRCPARAM L0002285     0.000001213      3.49      4.00      3.25
SRCPARAM L0002286     0.000001213      3.49      4.00      3.25
SRCPARAM L0002287     0.000001213      3.49      4.00      3.25
SRCPARAM L0002288     0.000001213      3.49      4.00      3.25
SRCPARAM L0002289     0.000001213      3.49      4.00      3.25
SRCPARAM L0002290     0.000001213      3.49      4.00      3.25
SRCPARAM L0002291     0.000001213      3.49      4.00      3.25
SRCPARAM L0002292     0.000001213      3.49      4.00      3.25
SRCPARAM L0002293     0.000001213      3.49      4.00      3.25
SRCPARAM L0002294     0.000001213      3.49      4.00      3.25
SRCPARAM L0002295     0.000001213      3.49      4.00      3.25
SRCPARAM L0002296     0.000001213      3.49      4.00      3.25
SRCPARAM L0002297     0.000001213      3.49      4.00      3.25
SRCPARAM L0002298     0.000001213      3.49      4.00      3.25
SRCPARAM L0002299     0.000001213      3.49      4.00      3.25
SRCPARAM L0002300     0.000001213      3.49      4.00      3.25
SRCPARAM L0002301     0.000001213      3.49      4.00      3.25
SRCPARAM L0002302     0.000001213      3.49      4.00      3.25
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   SRCPARAM L0002303     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002304     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002305     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002306     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002307     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002308     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002309     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002310     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002311     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002312     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002313     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002314     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002315     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002316     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002317     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002318     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002319     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002320     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002321     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002322     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002323     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002324     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002325     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002326     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002327     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002328     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002329     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002330     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002331     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002332     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002333     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002334     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002335     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002336     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002337     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002338     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002339     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002340     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002341     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002342     0.000001213      3.49      4.00      3.25
   SRCPARAM L0002343     0.000001213      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE17
   SRCPARAM L0003233     0.00000004445      3.49     11.16      3.25
   SRCPARAM L0003234     0.00000004445      3.49     11.16      3.25
   SRCPARAM L0003235     0.00000004445      3.49     11.16      3.25
   SRCPARAM L0003236     0.00000004445      3.49     11.16      3.25
   SRCPARAM L0003237     0.00000004445      3.49     11.16      3.25
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SRCPARAM L0003238     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003239     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003240     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003241     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003242     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003243     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003244     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003245     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003246     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003247     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003248     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003249     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003250     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003251     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003252     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003253     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003254     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003255     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003256     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003257     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003258     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003259     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003260     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003261     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003262     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003263     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003264     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003265     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003266     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003267     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003268     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003269     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003270     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003271     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003272     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003273     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003274     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003275     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003276     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003277     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003278     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003279     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003280     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003281     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003282     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003283     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003284     0.00000004445      3.49     11.16      3.25
SRCPARAM L0003285     0.00000004445      3.49     11.16      3.25
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   SRCPARAM L0003286     0.00000004445      3.49     11.16      3.25
   SRCPARAM L0003287     0.00000004445      3.49     11.16      3.25
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "11111 HRA.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE AZUSAADJU\AZUS_V9_ADJU\AZUS_V9.SFC
   PROFFILE AZUSAADJU\AZUS_V9_ADJU\AZUS_V9.PFL
   SURFDATA 3179 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "11111 HRA.AD\AN00GALL.PLT" 31
   SUMMFILE "11111 HRA.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   1996   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187   1996   MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC   ***   05/24/18
 *** AERMET - VERSION 16216 ***   ***
                       ***   15:57:44

                                  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   793 Source(s),
   for Total of   1 Urban Area(s):
   Urban Population =   9818605.0 ; 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* BETA 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:    793 Source(s);       1 Source Group(s); and      19
Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    793 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE 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) =   182.00 ;  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 =      3.8 MB of RAM.
```

 **Detailed Error/Message File: 11111 HRA.ERR

 **File for Summary of Results: 11111 HRA.SUM

 *** 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
L0002344	0	0.19140E-05	409456.0	3775196.3	104.8	3.49	4.00	3.25	YES	
L0002345	0	0.19140E-05	409452.5	3775188.5	102.9	3.49	4.00	3.25	YES	
L0002346	0	0.19140E-05	409449.1	3775180.6	101.0	3.49	4.00	3.25	YES	
L0002347	0	0.19140E-05	409445.6	3775172.7	99.1	3.49	4.00	3.25	YES	
L0002348	0	0.19140E-05	409442.2	3775164.9	97.2	3.49	4.00	3.25	YES	
L0002349	0	0.19140E-05	409438.7	3775157.0	95.3	3.49	4.00	3.25	YES	
L0002350	0	0.19140E-05	409435.3	3775149.1	94.1	3.49	4.00	3.25	YES	
L0002351	0	0.19140E-05	409431.8	3775141.3	92.9	3.49	4.00	3.25	YES	
L0002352	0	0.19140E-05	409428.4	3775133.4	91.7	3.49	4.00	3.25	YES	
L0002353	0	0.19140E-05	409424.9	3775125.6	90.5	3.49	4.00	3.25	YES	
L0002354	0	0.19140E-05	409421.4	3775117.7	89.2	3.49	4.00	3.25	YES	
L0002355	0	0.19140E-05	409418.0	3775109.8	88.0	3.49	4.00	3.25	YES	

L0002356	0	0.19140E-05	409414.5	3775102.0	86.7	3.49	4.00	3.25 YES
L0002357	0	0.19140E-05	409411.1	3775094.1	85.4	3.49	4.00	3.25 YES
L0002358	0	0.19140E-05	409407.6	3775086.2	84.1	3.49	4.00	3.25 YES
L0002359	0	0.19140E-05	409404.2	3775078.4	82.8	3.49	4.00	3.25 YES
L0002360	0	0.19140E-05	409400.7	3775070.5	81.4	3.49	4.00	3.25 YES
L0002361	0	0.19140E-05	409397.3	3775062.6	80.8	3.49	4.00	3.25 YES
L0002362	0	0.19140E-05	409393.8	3775054.8	81.7	3.49	4.00	3.25 YES
L0002363	0	0.19140E-05	409390.3	3775046.9	82.6	3.49	4.00	3.25 YES
L0002364	0	0.19140E-05	409386.9	3775039.0	83.7	3.49	4.00	3.25 YES
L0002365	0	0.19140E-05	409383.4	3775031.2	85.0	3.49	4.00	3.25 YES
L0002366	0	0.19140E-05	409380.0	3775023.3	86.3	3.49	4.00	3.25 YES
L0002367	0	0.19140E-05	409376.5	3775015.5	87.7	3.49	4.00	3.25 YES
L0002368	0	0.19140E-05	409373.1	3775007.6	89.1	3.49	4.00	3.25 YES
L0002369	0	0.19140E-05	409369.6	3774999.7	90.4	3.49	4.00	3.25 YES
L0002370	0	0.19140E-05	409366.1	3774991.9	91.8	3.49	4.00	3.25 YES
L0002371	0	0.19140E-05	409362.7	3774984.0	93.2	3.49	4.00	3.25 YES
L0002372	0	0.19140E-05	409359.2	3774976.1	94.5	3.49	4.00	3.25 YES
L0002373	0	0.19140E-05	409355.8	3774968.3	95.9	3.49	4.00	3.25 YES
L0002374	0	0.19140E-05	409352.3	3774960.4	97.2	3.49	4.00	3.25 YES
L0002375	0	0.19140E-05	409348.9	3774952.5	98.5	3.49	4.00	3.25 YES
L0002376	0	0.19140E-05	409345.4	3774944.7	99.8	3.49	4.00	3.25 YES
L0002377	0	0.19140E-05	409342.0	3774936.8	101.1	3.49	4.00	3.25 YES
L0002378	0	0.19140E-05	409338.5	3774929.0	102.5	3.49	4.00	3.25 YES
L0002379	0	0.19140E-05	409335.0	3774921.1	103.7	3.49	4.00	3.25 YES

```
 L0002380         0   0.19140E-05  409331.6 3774913.2   105.0     3.49     4.00
3.25     YES
 L0002381         0   0.19140E-05  409328.1 3774905.4   106.3     3.49     4.00
3.25     YES
 L0002382         0   0.19140E-05  409324.7 3774897.5   107.6     3.49     4.00
3.25     YES
 L0002383         0   0.19140E-05  409321.2 3774889.6   108.8     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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 L0002384         0   0.19140E-05  409619.4 3775123.2   107.8     3.49     4.00
3.25     YES
 L0002385         0   0.19140E-05  409616.0 3775115.3   107.6     3.49     4.00
3.25     YES
 L0002386         0   0.19140E-05  409612.6 3775107.4   107.3     3.49     4.00
3.25     YES
 L0002387         0   0.19140E-05  409609.1 3775099.5   106.9     3.49     4.00
3.25     YES
 L0002388         0   0.19140E-05  409605.7 3775091.6   106.4     3.49     4.00
3.25     YES
 L0002389         0   0.19140E-05  409602.3 3775083.8   105.9     3.49     4.00
3.25     YES
 L0002390         0   0.19140E-05  409598.9 3775075.9   105.4     3.49     4.00
3.25     YES
 L0002391         0   0.19140E-05  409595.4 3775068.0   104.8     3.49     4.00
3.25     YES
 L0002392         0   0.19140E-05  409592.0 3775060.1   103.4     3.49     4.00
3.25     YES
 L0002393         0   0.19140E-05  409588.6 3775052.3   101.1     3.49     4.00
3.25     YES
```

L0002394	0	0.19140E-05	409585.2	3775044.4	98.9	3.49	4.00	3.25 YES
L0002395	0	0.19140E-05	409581.7	3775036.5	96.8	3.49	4.00	3.25 YES
L0002396	0	0.19140E-05	409578.3	3775028.6	94.8	3.49	4.00	3.25 YES
L0002397	0	0.19140E-05	409574.9	3775020.7	92.8	3.49	4.00	3.25 YES
L0002398	0	0.19140E-05	409571.5	3775012.9	91.0	3.49	4.00	3.25 YES
L0002399	0	0.19140E-05	409568.0	3775005.0	89.2	3.49	4.00	3.25 YES
L0002400	0	0.19140E-05	409564.6	3774997.1	87.5	3.49	4.00	3.25 YES
L0002401	0	0.19140E-05	409561.2	3774989.2	85.9	3.49	4.00	3.25 YES
L0002402	0	0.19140E-05	409557.8	3774981.4	84.4	3.49	4.00	3.25 YES
L0002403	0	0.19140E-05	409554.3	3774973.5	83.0	3.49	4.00	3.25 YES
L0002404	0	0.19140E-05	409550.9	3774965.6	83.8	3.49	4.00	3.25 YES
L0002405	0	0.19140E-05	409547.5	3774957.7	85.3	3.49	4.00	3.25 YES
L0002406	0	0.19140E-05	409544.1	3774949.8	86.8	3.49	4.00	3.25 YES
L0002407	0	0.19140E-05	409540.6	3774942.0	88.3	3.49	4.00	3.25 YES
L0002408	0	0.19140E-05	409537.2	3774934.1	89.8	3.49	4.00	3.25 YES
L0002409	0	0.19140E-05	409533.8	3774926.2	91.4	3.49	4.00	3.25 YES
L0002410	0	0.19140E-05	409530.4	3774918.3	92.9	3.49	4.00	3.25 YES
L0002411	0	0.19140E-05	409527.0	3774910.5	94.4	3.49	4.00	3.25 YES
L0002412	0	0.19140E-05	409523.5	3774902.6	95.9	3.49	4.00	3.25 YES
L0002413	0	0.19140E-05	409520.1	3774894.7	97.4	3.49	4.00	3.25 YES
L0002414	0	0.19140E-05	409516.7	3774886.8	98.9	3.49	4.00	3.25 YES
L0002415	0	0.19140E-05	409513.3	3774878.9	100.2	3.49	4.00	3.25 YES
L0002416	0	0.19140E-05	409509.8	3774871.1	100.2	3.49	4.00	3.25 YES
L0002417	0	0.19140E-05	409506.4	3774863.2	100.1	3.49	4.00	3.25 YES

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 L0002418         0   0.19140E-05  409503.0 3774855.3   100.1     3.49     4.00
3.25     YES
 L0002419         0   0.19140E-05  409499.6 3774847.4   100.1     3.49     4.00
3.25     YES
 L0002420         0   0.19140E-05  409496.1 3774839.5   100.1     3.49     4.00
3.25     YES
 L0002421         0   0.19140E-05  409492.7 3774831.7   100.2     3.49     4.00
3.25     YES
 L0002422         0   0.19140E-05  409489.3 3774823.8   100.3     3.49     4.00
3.25     YES
 L0002423         0   0.19140E-05  409485.9 3774815.9   100.4     3.49     4.00
3.25     YES
↟ *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                      ***        15:57:44

                                  PAGE   4
 *** 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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- - - - - - - - - - - - - - - - - - - - -

 L0002424         0   0.12230E-05  409240.8 3775194.2   102.8     3.49     4.00
3.25     YES
 L0002425         0   0.12230E-05  409237.4 3775186.3   102.3     3.49     4.00
3.25     YES
 L0002426         0   0.12230E-05  409233.9 3775178.4   101.8     3.49     4.00
3.25     YES
 L0002427         0   0.12230E-05  409230.5 3775170.5   101.4     3.49     4.00
3.25     YES
 L0002428         0   0.12230E-05  409227.1 3775162.7   101.0     3.49     4.00
3.25     YES
 L0002429         0   0.12230E-05  409223.7 3775154.8   100.5     3.49     4.00
3.25     YES
 L0002430         0   0.12230E-05  409220.3 3775146.9    99.7     3.49     4.00
3.25     YES
 L0002431         0   0.12230E-05  409216.9 3775139.0    98.9     3.49     4.00
3.25     YES
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L0002432	0	0.12230E-05	409213.5	3775131.1	98.1	3.49	4.00
3.25	YES						
L0002433	0	0.12230E-05	409210.1	3775123.2	97.2	3.49	4.00
3.25	YES						
L0002434	0	0.12230E-05	409206.6	3775115.4	96.4	3.49	4.00
3.25	YES						
L0002435	0	0.12230E-05	409203.2	3775107.5	95.5	3.49	4.00
3.25	YES						
L0002436	0	0.12230E-05	409199.8	3775099.6	94.6	3.49	4.00
3.25	YES						
L0002437	0	0.12230E-05	409196.4	3775091.7	93.6	3.49	4.00
3.25	YES						
L0002438	0	0.12230E-05	409193.0	3775083.8	92.7	3.49	4.00
3.25	YES						
L0002439	0	0.12230E-05	409189.6	3775076.0	91.7	3.49	4.00
3.25	YES						
L0002440	0	0.12230E-05	409186.2	3775068.1	90.7	3.49	4.00
3.25	YES						
L0002441	0	0.12230E-05	409182.7	3775060.2	90.3	3.49	4.00
3.25	YES						
L0002442	0	0.12230E-05	409179.3	3775052.3	89.9	3.49	4.00
3.25	YES						
L0002443	0	0.12230E-05	409175.9	3775044.4	89.3	3.49	4.00
3.25	YES						
L0002444	0	0.12230E-05	409172.5	3775036.5	88.6	3.49	4.00
3.25	YES						
L0002445	0	0.12230E-05	409169.1	3775028.7	87.7	3.49	4.00
3.25	YES						
L0002446	0	0.12230E-05	409165.7	3775020.8	86.8	3.49	4.00
3.25	YES						
L0002447	0	0.40170E-05	409092.6	3775125.6	100.7	3.49	4.00
3.25	YES						
L0002448	0	0.40170E-05	409101.0	3775127.0	101.3	3.49	4.00
3.25	YES						
L0002449	0	0.40170E-05	409109.5	3775128.4	101.9	3.49	4.00
3.25	YES						
L0002450	0	0.40170E-05	409118.0	3775129.7	102.5	3.49	4.00
3.25	YES						
L0002451	0	0.40170E-05	409126.5	3775131.1	103.0	3.49	4.00
3.25	YES						
L0002452	0	0.40170E-05	409135.0	3775132.5	103.6	3.49	4.00
3.25	YES						
L0002453	0	0.40170E-05	409143.5	3775133.8	104.1	3.49	4.00
3.25	YES						
L0002454	0	0.14790E-05	408951.3	3775118.6	90.2	3.49	4.00
3.25	YES						
L0002455	0	0.14790E-05	408952.8	3775110.2	88.5	3.49	4.00
3.25	YES						

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 L0002456         0   0.14790E-05  408954.4 3775101.7    86.8     3.49     4.00
3.25     YES
 L0002457         0   0.14790E-05  408955.9 3775093.3    85.0     3.49     4.00
3.25     YES
 L0002458         0   0.14790E-05  408957.5 3775084.8    83.3     3.49     4.00
3.25     YES
 L0002459         0   0.14790E-05  408959.0 3775076.4    81.5     3.49     4.00
3.25     YES
 L0002460         0   0.14790E-05  408960.5 3775067.9    79.9     3.49     4.00
3.25     YES
 L0002461         0   0.14790E-05  408962.1 3775059.5    78.9     3.49     4.00
3.25     YES
 L0002462         0   0.14790E-05  408963.6 3775051.0    77.9     3.49     4.00
3.25     YES
 L0002463         0   0.14790E-05  408965.2 3775042.6    76.8     3.49     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
L0002464	0	0.14790E-05	408966.7	3775034.1	75.6	3.49	4.00	3.25	YES	
L0002465	0	0.14790E-05	408968.3	3775025.7	74.4	3.49	4.00	3.25	YES	
L0002466	0	0.14790E-05	408969.8	3775017.2	73.1	3.49	4.00	3.25	YES	
L0002467	0	0.14790E-05	408971.4	3775008.8	71.8	3.49	4.00	3.25	YES	
L0002468	0	0.14790E-05	408972.9	3775000.3	70.4	3.49	4.00	3.25	YES	
L0002469	0	0.14790E-05	408974.5	3774991.9	69.0	3.49	4.00	3.25	YES	

L0002470	0	0.26300E-05	408877.3	3775111.5	94.3	3.49	4.00	3.25 YES
L0002471	0	0.26300E-05	408878.7	3775103.0	93.8	3.49	4.00	3.25 YES
L0002472	0	0.26300E-05	408880.1	3775094.5	93.3	3.49	4.00	3.25 YES
L0002473	0	0.26300E-05	408881.5	3775086.1	92.6	3.49	4.00	3.25 YES
L0002474	0	0.26300E-05	408882.9	3775077.6	91.9	3.49	4.00	3.25 YES
L0002475	0	0.26300E-05	408884.3	3775069.1	91.1	3.49	4.00	3.25 YES
L0002476	0	0.26300E-05	408885.6	3775060.6	90.7	3.49	4.00	3.25 YES
L0002477	0	0.26300E-05	408887.0	3775052.1	90.3	3.49	4.00	3.25 YES
L0002478	0	0.26300E-05	408888.4	3775043.7	89.8	3.49	4.00	3.25 YES
L0002816	0	0.71880E-06	409194.6	3775209.5	108.3	3.49	4.00	3.25 YES
L0002817	0	0.71880E-06	409195.4	3775200.9	107.6	3.49	4.00	3.25 YES
L0002818	0	0.71880E-06	409196.2	3775192.4	106.9	3.49	4.00	3.25 YES
L0002819	0	0.71880E-06	409197.0	3775183.8	106.1	3.49	4.00	3.25 YES
L0002820	0	0.71880E-06	409193.7	3775175.9	105.9	3.49	4.00	3.25 YES
L0002821	0	0.71880E-06	409190.2	3775168.1	105.7	3.49	4.00	3.25 YES
L0002822	0	0.71880E-06	409186.7	3775160.3	105.5	3.49	4.00	3.25 YES
L0002823	0	0.71880E-06	409183.2	3775152.4	104.7	3.49	4.00	3.25 YES
L0002824	0	0.71880E-06	409179.7	3775144.6	103.8	3.49	4.00	3.25 YES
L0002825	0	0.71880E-06	409176.1	3775136.8	102.9	3.49	4.00	3.25 YES
L0002826	0	0.71880E-06	409172.6	3775128.9	101.9	3.49	4.00	3.25 YES
L0002827	0	0.71880E-06	409169.1	3775121.1	101.0	3.49	4.00	3.25 YES
L0002828	0	0.71880E-06	409165.6	3775113.3	100.0	3.49	4.00	3.25 YES
L0002829	0	0.71880E-06	409162.0	3775105.4	99.0	3.49	4.00	3.25 YES
L0002830	0	0.71880E-06	409158.5	3775097.6	97.9	3.49	4.00	3.25 YES

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 L0002831         0   0.71880E-06  409155.0 3775089.8    96.7     3.49     4.00
3.25     YES
 L0002832         0   0.71880E-06  409151.5 3775081.9    95.1     3.49     4.00
3.25     YES
 L0002833         0   0.71880E-06  409148.0 3775074.1    93.4     3.49     4.00
3.25     YES
 L0002834         0   0.71880E-06  409144.4 3775066.3    91.7     3.49     4.00
3.25     YES
 L0002835         0   0.71880E-06  409140.9 3775058.4    90.1     3.49     4.00
3.25     YES
 L0002836         0   0.71880E-06  409137.4 3775050.6    88.5     3.49     4.00
3.25     YES
 L0002837         0   0.71880E-06  409133.9 3775042.8    86.8     3.49     4.00
3.25     YES
 L0002838         0   0.71880E-06  409130.3 3775034.9    85.0     3.49     4.00
3.25     YES
 L0002839         0   0.71880E-06  409126.8 3775027.1    83.1     3.49     4.00
3.25     YES
 L0002840         0   0.71880E-06  409123.3 3775019.2    81.2     3.49     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 (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002081	0	0.21670E-05	409194.6	3775209.5	108.3	3.49	4.00	3.25	YES	
L0002082	0	0.21670E-05	409195.4	3775200.9	107.6	3.49	4.00	3.25	YES	
L0002083	0	0.21670E-05	409196.2	3775192.4	106.9	3.49	4.00	3.25	YES	
L0002084	0	0.21670E-05	409197.0	3775183.8	106.1	3.49	4.00	3.25	YES	

L0002085	0	0.21670E-05	409193.7	3775175.9	105.9	3.49	4.00	3.25 YES
L0002086	0	0.21670E-05	409190.2	3775168.1	105.7	3.49	4.00	3.25 YES
L0002087	0	0.21670E-05	409186.7	3775160.3	105.5	3.49	4.00	3.25 YES
L0002088	0	0.21670E-05	409183.2	3775152.4	104.7	3.49	4.00	3.25 YES
L0002089	0	0.21670E-05	409179.7	3775144.6	103.8	3.49	4.00	3.25 YES
L0002090	0	0.21670E-05	409176.1	3775136.8	102.9	3.49	4.00	3.25 YES
L0002091	0	0.21670E-05	409172.6	3775128.9	101.9	3.49	4.00	3.25 YES
L0002092	0	0.21670E-05	409169.1	3775121.1	101.0	3.49	4.00	3.25 YES
L0002093	0	0.21670E-05	409165.6	3775113.3	100.0	3.49	4.00	3.25 YES
L0002094	0	0.21670E-05	409162.0	3775105.4	99.0	3.49	4.00	3.25 YES
L0002095	0	0.21670E-05	409158.5	3775097.6	97.9	3.49	4.00	3.25 YES
L0002096	0	0.21670E-05	409155.0	3775089.8	96.7	3.49	4.00	3.25 YES
L0002097	0	0.21670E-05	409151.5	3775081.9	95.1	3.49	4.00	3.25 YES
L0002098	0	0.21670E-05	409148.0	3775074.1	93.4	3.49	4.00	3.25 YES
L0002099	0	0.21670E-05	409144.4	3775066.3	91.7	3.49	4.00	3.25 YES
L0002100	0	0.21670E-05	409140.9	3775058.4	90.1	3.49	4.00	3.25 YES
L0002101	0	0.21670E-05	409137.4	3775050.6	88.5	3.49	4.00	3.25 YES
L0002102	0	0.21670E-05	409133.9	3775042.8	86.8	3.49	4.00	3.25 YES
L0002103	0	0.21670E-05	409130.3	3775034.9	85.0	3.49	4.00	3.25 YES
L0002104	0	0.21670E-05	409126.8	3775027.1	83.1	3.49	4.00	3.25 YES
L0002105	0	0.21670E-05	409123.3	3775019.2	81.2	3.49	4.00	3.25 YES
L0002841	0	0.59330E-06	408904.4	3775153.4	96.1	3.49	4.00	3.25 YES
L0002842	0	0.59330E-06	408906.0	3775145.0	95.1	3.49	4.00	3.25 YES
L0002843	0	0.59330E-06	408907.6	3775136.5	94.0	3.49	4.00	3.25 YES

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 L0002844         0   0.59330E-06  408909.2 3775128.1    92.8     3.49     4.00
3.25     YES
 L0002845         0   0.59330E-06  408910.7 3775119.6    91.5     3.49     4.00
3.25     YES
 L0002846         0   0.59330E-06  408912.3 3775111.2    90.1     3.49     4.00
3.25     YES
 L0002847         0   0.59330E-06  408913.9 3775102.8    88.7     3.49     4.00
3.25     YES
 L0002848         0   0.59330E-06  408915.5 3775094.3    87.2     3.49     4.00
3.25     YES
 L0002849         0   0.59330E-06  408917.1 3775085.9    85.5     3.49     4.00
3.25     YES
 L0002850         0   0.59330E-06  408918.7 3775077.4    83.8     3.49     4.00
3.25     YES
 L0002851         0   0.59330E-06  408920.2 3775069.0    82.2     3.49     4.00
3.25     YES
 L0002852         0   0.59330E-06  408921.8 3775060.5    81.5     3.49     4.00
3.25     YES
 L0002853         0   0.59330E-06  408923.4 3775052.1    80.8     3.49     4.00
3.25     YES
 L0002854         0   0.59330E-06  408925.0 3775043.7    80.1     3.49     4.00
3.25     YES
 L0002855         0   0.59330E-06  408926.6 3775035.2    79.7     3.49     4.00
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:44

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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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0002856         0   0.59330E-06  408928.2 3775026.8    79.2     3.49     4.00
3.25     YES
 L0002857         0   0.59330E-06  408929.7 3775018.3    78.6     3.49     4.00
3.25     YES
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L0002858	0	0.59330E-06	408931.3	3775009.9	78.0	3.49	4.00
3.25	YES						
L0002859	0	0.59330E-06	408932.9	3775001.4	77.3	3.49	4.00
3.25	YES						
L0002860	0	0.59330E-06	408934.5	3774993.0	76.6	3.49	4.00
3.25	YES						
L0002861	0	0.59330E-06	408937.9	3774985.9	75.5	3.49	4.00
3.25	YES						
L0002862	0	0.59330E-06	408945.4	3774981.7	73.7	3.49	4.00
3.25	YES						
L0002863	0	0.59330E-06	408952.9	3774977.5	71.7	3.49	4.00
3.25	YES						
L0002864	0	0.59330E-06	408960.4	3774973.3	70.5	3.49	4.00
3.25	YES						
L0002865	0	0.59330E-06	408967.9	3774969.1	69.4	3.49	4.00
3.25	YES						
L0002866	0	0.59330E-06	408975.4	3774964.9	68.5	3.49	4.00
3.25	YES						
L0002867	0	0.59330E-06	408982.9	3774960.7	67.6	3.49	4.00
3.25	YES						
L0002156	0	0.20060E-05	408904.4	3775153.4	96.1	3.49	4.00
3.25	YES						
L0002157	0	0.20060E-05	408906.0	3775145.0	95.1	3.49	4.00
3.25	YES						
L0002158	0	0.20060E-05	408907.6	3775136.5	94.0	3.49	4.00
3.25	YES						
L0002159	0	0.20060E-05	408909.2	3775128.1	92.8	3.49	4.00
3.25	YES						
L0002160	0	0.20060E-05	408910.7	3775119.6	91.5	3.49	4.00
3.25	YES						
L0002161	0	0.20060E-05	408912.3	3775111.2	90.1	3.49	4.00
3.25	YES						
L0002162	0	0.20060E-05	408913.9	3775102.8	88.7	3.49	4.00
3.25	YES						
L0002163	0	0.20060E-05	408915.5	3775094.3	87.2	3.49	4.00
3.25	YES						
L0002164	0	0.20060E-05	408917.1	3775085.9	85.5	3.49	4.00
3.25	YES						
L0002165	0	0.20060E-05	408918.7	3775077.4	83.8	3.49	4.00
3.25	YES						
L0002166	0	0.20060E-05	408920.2	3775069.0	82.2	3.49	4.00
3.25	YES						
L0002167	0	0.20060E-05	408921.8	3775060.5	81.5	3.49	4.00
3.25	YES						
L0002168	0	0.20060E-05	408923.4	3775052.1	80.8	3.49	4.00
3.25	YES						
L0002169	0	0.20060E-05	408925.0	3775043.7	80.1	3.49	4.00
3.25	YES						

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 L0002170         0   0.20060E-05  408926.6 3775035.2    79.7     3.49     4.00
3.25     YES
 L0002171         0   0.20060E-05  408928.2 3775026.8    79.2     3.49     4.00
3.25     YES
 L0002172         0   0.20060E-05  408929.7 3775018.3    78.6     3.49     4.00
3.25     YES
 L0002173         0   0.20060E-05  408931.3 3775009.9    78.0     3.49     4.00
3.25     YES
 L0002174         0   0.20060E-05  408932.9 3775001.4    77.3     3.49     4.00
3.25     YES
 L0002175         0   0.20060E-05  408934.5 3774993.0    76.6     3.49     4.00
3.25     YES
 L0002176         0   0.20060E-05  408937.9 3774985.9    75.5     3.49     4.00
3.25     YES
 L0002177         0   0.20060E-05  408945.4 3774981.7    73.7     3.49     4.00
3.25     YES
 L0002178         0   0.20060E-05  408952.9 3774977.5    71.7     3.49     4.00
3.25     YES
 L0002179         0   0.20060E-05  408960.4 3774973.3    70.5     3.49     4.00
3.25     YES
 L0002180         0   0.20060E-05  408967.9 3774969.1    69.4     3.49     4.00
3.25     YES
 L0002181         0   0.20060E-05  408975.4 3774964.9    68.5     3.49     4.00
3.25     YES
 L0002182         0   0.20060E-05  408982.9 3774960.7    67.6     3.49     4.00
3.25     YES
 L0002868         0   0.21250E-05  409371.0 3775237.9   106.7     3.49     9.66
3.25     YES
↑ *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:44

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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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L0002869	0	0.21250E-05	409374.6	3775217.4	102.5	3.49	9.66	3.25 YES
L0002870	0	0.21250E-05	409378.1	3775196.9	98.2	3.49	9.66	3.25 YES
L0002871	0	0.21250E-05	409377.8	3775176.3	93.9	3.49	9.66	3.25 YES
L0002872	0	0.21250E-05	409370.9	3775156.9	89.8	3.49	9.66	3.25 YES
L0002873	0	0.21250E-05	409362.6	3775137.8	87.6	3.49	9.66	3.25 YES
L0002874	0	0.21250E-05	409354.4	3775118.8	85.3	3.49	9.66	3.25 YES
L0002875	0	0.21250E-05	409346.1	3775099.7	83.0	3.49	9.66	3.25 YES
L0002876	0	0.21250E-05	409337.9	3775080.6	80.7	3.49	9.66	3.25 YES
L0002877	0	0.21250E-05	409329.6	3775061.6	79.8	3.49	9.66	3.25 YES
L0002878	0	0.21250E-05	409321.4	3775042.5	83.1	3.49	9.66	3.25 YES
L0002879	0	0.21250E-05	409313.2	3775023.5	86.4	3.49	9.66	3.25 YES
L0002880	0	0.21250E-05	409304.9	3775004.4	89.7	3.49	9.66	3.25 YES
L0002881	0	0.21250E-05	409296.7	3774985.3	92.6	3.49	9.66	3.25 YES
L0002882	0	0.21250E-05	409288.4	3774966.3	95.2	3.49	9.66	3.25 YES
L0002883	0	0.21250E-05	409280.2	3774947.2	97.6	3.49	9.66	3.25 YES
L0002884	0	0.21250E-05	409271.9	3774928.1	99.9	3.49	9.66	3.25 YES
L0002885	0	0.21250E-05	409263.7	3774909.1	102.1	3.49	9.66	3.25 YES
L0002886	0	0.21250E-05	409255.5	3774890.0	104.1	3.49	9.66	3.25 YES
L0002887	0	0.21250E-05	409247.2	3774870.9	103.8	3.49	9.66	3.25 YES
L0002888	0	0.21250E-05	409239.0	3774851.9	101.7	3.49	9.66	3.25 YES
L0002889	0	0.24600E-05	409066.5	3775215.3	112.9	3.49	13.02	3.25 YES
L0002890	0	0.24600E-05	409094.1	3775219.7	113.8	3.49	13.02	3.25 YES
L0002891	0	0.24600E-05	409121.8	3775224.1	113.4	3.49	13.02	3.25 YES
L0002892	0	0.24600E-05	409149.5	3775228.5	112.9	3.49	13.02	3.25 YES

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 L0002893         0   0.24600E-05  409177.1 3775232.9   111.4     3.49    13.02
3.25     YES
 L0002894         0   0.24600E-05  409204.8 3775237.3   109.7     3.49    13.02
3.25     YES
 L0002895         0   0.24600E-05  409232.4 3775241.7   108.1     3.49    13.02
3.25     YES
 L0002896         0   0.24600E-05  409260.1 3775246.1   107.6     3.49    13.02
3.25     YES
 L0002897         0   0.24600E-05  409287.7 3775250.5   107.5     3.49    13.02
3.25     YES
 L0002898         0   0.24600E-05  409315.4 3775254.9   107.6     3.49    13.02
3.25     YES
 L0002899         0   0.24600E-05  409343.0 3775259.3   109.4     3.49    13.02
3.25     YES
 L0002900         0   0.24600E-05  409370.7 3775263.7   111.2     3.49    13.02
3.25     YES
 L0002901         0   0.24600E-05  409398.3 3775268.1   113.5     3.49    13.02
3.25     YES
 L0002902         0   0.24600E-05  409426.0 3775272.5   116.3     3.49    13.02
3.25     YES
 L0002903         0   0.24600E-05  409453.6 3775276.9   119.2     3.49    13.02
3.25     YES
 L0002904         0   0.24600E-05  409481.3 3775281.3   121.6     3.49    13.02
3.25     YES
 L0002905         0   0.24600E-05  409508.9 3775285.7   123.7     3.49    13.02
3.25     YES
 L0002906         0   0.24600E-05  409536.6 3775290.1   125.6     3.49    13.02
3.25     YES
 L0002907         0   0.24600E-05  409564.2 3775294.5   126.3     3.49    13.02
3.25     YES
 L0002908         0   0.24600E-05  409591.9 3775298.9   126.5     3.49    13.02
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)
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(METERS)   BY

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L0002909	0	0.24600E-05	409619.5	3775303.3	126.6	3.49	13.02	3.25	YES
L0002910	0	0.24600E-05	409647.2	3775307.7	125.2	3.49	13.02	3.25	YES
L0002911	0	0.24600E-05	409674.8	3775312.1	123.7	3.49	13.02	3.25	YES
L0002912	0	0.24600E-05	409702.5	3775316.2	122.3	3.49	13.02	3.25	YES
L0002913	0	0.24600E-05	409730.2	3775320.2	121.5	3.49	13.02	3.25	YES
L0002914	0	0.24600E-05	409758.0	3775324.2	120.7	3.49	13.02	3.25	YES
L0002915	0	0.24600E-05	409785.7	3775328.2	119.9	3.49	13.02	3.25	YES
L0002916	0	0.24600E-05	409813.4	3775332.1	119.2	3.49	13.02	3.25	YES
L0002917	0	0.24600E-05	409841.1	3775336.1	118.4	3.49	13.02	3.25	YES
L0002918	0	0.22990E-05	409239.3	3774817.7	99.4	3.49	11.63	3.25	YES
L0002919	0	0.22990E-05	409262.1	3774807.3	102.3	3.49	11.63	3.25	YES
L0002920	0	0.22990E-05	409284.8	3774796.9	105.5	3.49	11.63	3.25	YES
L0002921	0	0.22990E-05	409307.5	3774786.5	108.9	3.49	11.63	3.25	YES
L0002922	0	0.22990E-05	409330.3	3774776.1	109.4	3.49	11.63	3.25	YES
L0002923	0	0.22990E-05	409353.0	3774765.7	110.5	3.49	11.63	3.25	YES
L0002924	0	0.22990E-05	409375.7	3774755.3	112.1	3.49	11.63	3.25	YES
L0002925	0	0.22990E-05	409398.5	3774744.9	112.5	3.49	11.63	3.25	YES
L0002926	0	0.22990E-05	409421.2	3774734.5	112.7	3.49	11.63	3.25	YES
L0002927	0	0.22990E-05	409443.9	3774724.1	113.9	3.49	11.63	3.25	YES
L0002928	0	0.22990E-05	409466.7	3774713.7	114.8	3.49	11.63	3.25	YES
L0002929	0	0.22990E-05	409489.4	3774703.3	113.3	3.49	11.63	3.25	YES
L0002930	0	0.22990E-05	409512.1	3774692.9	111.6	3.49	11.63	3.25	YES

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 L0002931         0   0.22990E-05  409534.9 3774682.5   109.5     3.49    11.63
3.25     YES
 L0002932         0   0.22990E-05  409557.6 3774672.1   107.8     3.49    11.63
3.25     YES
 L0002933         0   0.20530E-05  410275.5 3774399.0   122.2     3.49    11.63
3.25     YES
 L0002934         0   0.20530E-05  410250.6 3774397.1   120.9     3.49    11.63
3.25     YES
 L0002935         0   0.20530E-05  410225.9 3774400.6   119.8     3.49    11.63
3.25     YES
 L0002936         0   0.20530E-05  410201.2 3774404.4   119.0     3.49    11.63
3.25     YES
 L0002937         0   0.20530E-05  410176.7 3774409.4   118.1     3.49    11.63
3.25     YES
 L0002938         0   0.20530E-05  410152.2 3774414.6   117.4     3.49    11.63
3.25     YES
 L0002939         0   0.20530E-05  410128.4 3774422.2   117.7     3.49    11.63
3.25     YES
 L0002940         0   0.20530E-05  410104.6 3774429.9   118.1     3.49    11.63
3.25     YES
 L0002941         0   0.20530E-05  410080.8 3774437.6   118.3     3.49    11.63
3.25     YES
 L0002942         0   0.20530E-05  410057.9 3774447.6   118.6     3.49    11.63
3.25     YES
 L0002943         0   0.20530E-05  410035.0 3774457.5   118.5     3.49    11.63
3.25     YES
 L0002944         0   0.20530E-05  410012.1 3774467.5   118.1     3.49    11.63
3.25     YES
 L0002945         0   0.20530E-05  409989.1 3774477.5   117.4     3.49    11.63
3.25     YES
 L0002946         0   0.20530E-05  409966.2 3774487.4   116.4     3.49    11.63
3.25     YES
 L0002947         0   0.20530E-05  409943.3 3774497.4   114.9     3.49    11.63
3.25     YES
 L0002948         0   0.20530E-05  409920.4 3774507.4   112.8     3.49    11.63
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:44

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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
L0002949	0	0.20530E-05	409897.4	3774517.3	109.6	3.49	11.63	3.25	YES
L0002950	0	0.20530E-05	409874.5	3774527.3	106.0	3.49	11.63	3.25	YES
L0002951	0	0.20530E-05	409851.6	3774537.3	101.9	3.49	11.63	3.25	YES
L0002952	0	0.20530E-05	409828.8	3774547.5	99.3	3.49	11.63	3.25	YES
L0002953	0	0.20530E-05	409806.0	3774557.8	98.4	3.49	11.63	3.25	YES
L0002954	0	0.20530E-05	409783.2	3774568.0	97.8	3.49	11.63	3.25	YES
L0002955	0	0.20530E-05	409760.4	3774578.3	98.0	3.49	11.63	3.25	YES
L0002956	0	0.20530E-05	409737.6	3774588.5	99.2	3.49	11.63	3.25	YES
L0002957	0	0.20530E-05	409714.8	3774598.8	101.0	3.49	11.63	3.25	YES
L0002958	0	0.20530E-05	409692.0	3774609.0	102.1	3.49	11.63	3.25	YES
L0002959	0	0.20530E-05	409669.2	3774619.3	102.9	3.49	11.63	3.25	YES
L0002960	0	0.20530E-05	409646.4	3774629.5	104.1	3.49	11.63	3.25	YES
L0002961	0	0.20530E-05	409623.6	3774639.8	105.7	3.49	11.63	3.25	YES
L0002962	0	0.20530E-05	409600.8	3774650.0	106.6	3.49	11.63	3.25	YES
L0002963	0	0.20530E-05	409578.0	3774660.3	107.1	3.49	11.63	3.25	YES
L0002964	0	0.44390E-07	407635.6	3774969.7	106.9	3.49	11.16	3.25	YES
L0002965	0	0.44390E-07	407659.3	3774974.0	106.7	3.49	11.16	3.25	YES
L0002966	0	0.44390E-07	407682.9	3774978.3	106.5	3.49	11.16	3.25	YES
L0002967	0	0.44390E-07	407706.5	3774982.6	106.3	3.49	11.16	3.25	YES
L0002968	0	0.44390E-07	407730.1	3774986.9	106.1	3.49	11.16	3.25	YES

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 L0002969         0   0.44390E-07  407753.7 3774991.2   106.1     3.49    11.16
3.25     YES
 L0002970         0   0.44390E-07  407777.3 3774995.4   106.4     3.49    11.16
3.25     YES
 L0002971         0   0.44390E-07  407800.9 3774999.7   107.3     3.49    11.16
3.25     YES
 L0002972         0   0.44390E-07  407824.6 3775004.0   108.1     3.49    11.16
3.25     YES
 L0002973         0   0.44390E-07  407848.2 3775008.3   108.8     3.49    11.16
3.25     YES
 L0002974         0   0.44390E-07  407871.8 3775012.6   107.7     3.49    11.16
3.25     YES
 L0002975         0   0.44390E-07  407895.4 3775016.8   106.6     3.49    11.16
3.25     YES
 L0002976         0   0.44390E-07  407919.0 3775021.1   105.6     3.49    11.16
3.25     YES
 L0002977         0   0.44390E-07  407942.6 3775025.4   104.4     3.49    11.16
3.25     YES
 L0002978         0   0.44390E-07  407966.3 3775029.7   103.2     3.49    11.16
3.25     YES
 L0002979         0   0.44390E-07  407989.9 3775034.0   102.2     3.49    11.16
3.25     YES
 L0002980         0   0.44390E-07  408013.5 3775038.2   102.2     3.49    11.16
3.25     YES
 L0002981         0   0.44390E-07  408037.1 3775042.5   103.0     3.49    11.16
3.25     YES
 L0002982         0   0.44390E-07  408060.7 3775046.8   103.9     3.49    11.16
3.25     YES
 L0002983         0   0.44390E-07  408084.3 3775051.1   104.9     3.49    11.16
3.25     YES
 L0002984         0   0.44390E-07  408107.9 3775055.4   105.9     3.49    11.16
3.25     YES
 L0002985         0   0.44390E-07  408131.6 3775059.2   106.7     3.49    11.16
3.25     YES
 L0002986         0   0.44390E-07  408155.3 3775062.9   107.6     3.49    11.16
3.25     YES
 L0002987         0   0.44390E-07  408179.1 3775066.6   108.2     3.49    11.16
3.25     YES
 L0002988         0   0.44390E-07  408202.8 3775070.3   109.0     3.49    11.16
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:44

                                  PAGE  11
 *** 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
L0002989	0	0.44390E-07	408226.5	3775074.0	109.6	3.49	11.16	3.25	YES	
L0002990	0	0.44390E-07	408250.2	3775077.7	110.1	3.49	11.16	3.25	YES	
L0002991	0	0.44390E-07	408273.9	3775081.4	110.0	3.49	11.16	3.25	YES	
L0002992	0	0.44390E-07	408297.6	3775085.2	110.0	3.49	11.16	3.25	YES	
L0002993	0	0.44390E-07	408321.3	3775088.9	110.0	3.49	11.16	3.25	YES	
L0002994	0	0.44390E-07	408345.0	3775092.6	110.0	3.49	11.16	3.25	YES	
L0002995	0	0.44390E-07	408368.8	3775096.3	110.0	3.49	11.16	3.25	YES	
L0002996	0	0.44390E-07	408392.5	3775100.0	110.3	3.49	11.16	3.25	YES	
L0002997	0	0.44390E-07	408416.2	3775103.7	110.5	3.49	11.16	3.25	YES	
L0002998	0	0.44390E-07	408439.8	3775107.9	110.9	3.49	11.16	3.25	YES	
L0002999	0	0.44390E-07	408463.4	3775112.1	111.4	3.49	11.16	3.25	YES	
L0003000	0	0.44390E-07	408487.1	3775116.3	111.8	3.49	11.16	3.25	YES	
L0003001	0	0.44390E-07	408510.7	3775120.4	112.4	3.49	11.16	3.25	YES	
L0003002	0	0.44390E-07	408534.3	3775124.6	113.0	3.49	11.16	3.25	YES	
L0003003	0	0.44390E-07	408558.0	3775128.8	113.3	3.49	11.16	3.25	YES	
L0003004	0	0.44390E-07	408581.6	3775133.0	113.3	3.49	11.16	3.25	YES	
L0003005	0	0.44390E-07	408605.2	3775137.2	113.1	3.49	11.16	3.25	YES	
L0003006	0	0.44390E-07	408628.9	3775141.3	112.4	3.49	11.16	3.25	YES	

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 L0003007         0   0.44390E-07  408652.5 3775145.5   110.9     3.49    11.16
3.25     YES
 L0003008         0   0.44390E-07  408676.1 3775149.7   109.2     3.49    11.16
3.25     YES
 L0003009         0   0.44390E-07  408699.8 3775153.9   107.4     3.49    11.16
3.25     YES
 L0003010         0   0.44390E-07  408723.4 3775158.1   105.3     3.49    11.16
3.25     YES
 L0003011         0   0.44390E-07  408747.0 3775162.2   103.1     3.49    11.16
3.25     YES
 L0003012         0   0.44390E-07  408770.7 3775166.4   100.9     3.49    11.16
3.25     YES
 L0003013         0   0.44390E-07  408794.3 3775170.6    98.9     3.49    11.16
3.25     YES
 L0003014         0   0.44390E-07  408817.9 3775174.8    97.2     3.49    11.16
3.25     YES
 L0003015         0   0.44390E-07  408841.6 3775179.0    95.9     3.49    11.16
3.25     YES
 L0003016         0   0.44390E-07  408865.2 3775183.1    96.6     3.49    11.16
3.25     YES
 L0003017         0   0.44390E-07  408888.9 3775187.2    98.3     3.49    11.16
3.25     YES
 L0003018         0   0.44390E-07  408912.6 3775190.9   100.1     3.49    11.16
3.25     YES
 L0003019         0   0.44390E-07  408936.3 3775194.6   102.0     3.49    11.16
3.25     YES
 L0003020         0   0.44390E-07  408960.0 3775198.3   103.9     3.49    11.16
3.25     YES
 L0003021         0   0.44390E-07  408983.7 3775202.0   105.9     3.49    11.16
3.25     YES
 L0003022         0   0.44390E-07  409007.4 3775205.7   107.9     3.49    11.16
3.25     YES
 L0003023         0   0.44390E-07  409031.1 3775209.4   110.0     3.49    11.16
3.25     YES
 L0003024         0   0.44390E-07  409054.8 3775213.1   112.0     3.49    11.16
3.25     YES
 L0003025         0   0.44390E-07  407635.6 3774968.1   107.0     0.00    11.16
3.25     YES
 L0003026         0   0.44390E-07  407659.2 3774972.4   106.8     0.00    11.16
3.25     YES
 L0003027         0   0.44390E-07  407682.8 3774976.8   106.6     0.00    11.16
3.25     YES
 L0003028         0   0.44390E-07  407706.4 3774981.1   106.4     0.00    11.16
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:44
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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 (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003029	0	0.44390E-07	407730.0	3774985.4	106.2	0.00	11.16	3.25	YES	
L0003030	0	0.44390E-07	407753.6	3774989.8	106.0	0.00	11.16	3.25	YES	
L0003031	0	0.44390E-07	407777.2	3774994.1	106.4	0.00	11.16	3.25	YES	
L0003032	0	0.44390E-07	407800.8	3774998.5	107.3	0.00	11.16	3.25	YES	
L0003033	0	0.44390E-07	407824.4	3775002.8	108.1	0.00	11.16	3.25	YES	
L0003034	0	0.44390E-07	407848.0	3775007.1	108.8	0.00	11.16	3.25	YES	
L0003035	0	0.44390E-07	407871.7	3775011.5	107.7	0.00	11.16	3.25	YES	
L0003036	0	0.44390E-07	407895.3	3775015.8	106.6	0.00	11.16	3.25	YES	
L0003037	0	0.44390E-07	407918.9	3775020.2	105.6	0.00	11.16	3.25	YES	
L0003038	0	0.44390E-07	407942.5	3775024.5	104.3	0.00	11.16	3.25	YES	
L0003039	0	0.44390E-07	407966.1	3775028.8	103.1	0.00	11.16	3.25	YES	
L0003040	0	0.44390E-07	407989.7	3775033.2	102.2	0.00	11.16	3.25	YES	
L0003041	0	0.44390E-07	408013.3	3775037.5	102.1	0.00	11.16	3.25	YES	
L0003042	0	0.44390E-07	408036.9	3775041.8	103.0	0.00	11.16	3.25	YES	
L0003043	0	0.44390E-07	408060.5	3775046.2	103.8	0.00	11.16	3.25	YES	
L0003044	0	0.44390E-07	408084.1	3775050.5	104.8	0.00	11.16	3.25	YES	

L0003045	0	0.44390E-07	408107.7	3775054.9	105.8	0.00	11.16
3.25	YES						
L0003046	0	0.44390E-07	408131.4	3775058.7	106.7	0.00	11.16
3.25	YES						
L0003047	0	0.44390E-07	408155.1	3775062.5	107.5	0.00	11.16
3.25	YES						
L0003048	0	0.44390E-07	408178.8	3775066.3	108.2	0.00	11.16
3.25	YES						
L0003049	0	0.44390E-07	408202.5	3775070.0	108.9	0.00	11.16
3.25	YES						
L0003050	0	0.44390E-07	408226.2	3775073.8	109.6	0.00	11.16
3.25	YES						
L0003051	0	0.44390E-07	408249.9	3775077.5	110.1	0.00	11.16
3.25	YES						
L0003052	0	0.44390E-07	408273.6	3775081.3	110.0	0.00	11.16
3.25	YES						
L0003053	0	0.44390E-07	408297.3	3775085.0	110.0	0.00	11.16
3.25	YES						
L0003054	0	0.44390E-07	408321.0	3775088.8	110.0	0.00	11.16
3.25	YES						
L0003055	0	0.44390E-07	408344.7	3775092.6	109.9	0.00	11.16
3.25	YES						
L0003056	0	0.44390E-07	408368.4	3775096.3	110.0	0.00	11.16
3.25	YES						
L0003057	0	0.44390E-07	408392.1	3775100.1	110.3	0.00	11.16
3.25	YES						
L0003058	0	0.44390E-07	408415.8	3775103.9	110.5	0.00	11.16
3.25	YES						
L0003059	0	0.44390E-07	408439.4	3775108.1	110.9	0.00	11.16
3.25	YES						
L0003060	0	0.44390E-07	408463.1	3775112.3	111.4	0.00	11.16
3.25	YES						
L0003061	0	0.44390E-07	408486.7	3775116.6	111.8	0.00	11.16
3.25	YES						
L0003062	0	0.44390E-07	408510.3	3775120.8	112.4	0.00	11.16
3.25	YES						
L0003063	0	0.44390E-07	408533.9	3775125.0	113.0	0.00	11.16
3.25	YES						
L0003064	0	0.44390E-07	408557.6	3775129.3	113.3	0.00	11.16
3.25	YES						
L0003065	0	0.44390E-07	408581.2	3775133.5	113.3	0.00	11.16
3.25	YES						
L0003066	0	0.44390E-07	408604.8	3775137.8	113.1	0.00	11.16
3.25	YES						
L0003067	0	0.44390E-07	408628.4	3775142.0	112.4	0.00	11.16
3.25	YES						
L0003068	0	0.44390E-07	408652.1	3775146.2	110.9	0.00	11.16
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
L0003069	0	0.44390E-07	408675.7	3775150.5	109.2	0.00	11.16	3.25	YES	
L0003070	0	0.44390E-07	408699.3	3775154.7	107.4	0.00	11.16	3.25	YES	
L0003071	0	0.44390E-07	408722.9	3775158.9	105.3	0.00	11.16	3.25	YES	
L0003072	0	0.44390E-07	408746.6	3775163.2	103.1	0.00	11.16	3.25	YES	
L0003073	0	0.44390E-07	408770.2	3775167.4	100.8	0.00	11.16	3.25	YES	
L0003074	0	0.44390E-07	408793.8	3775171.6	98.8	0.00	11.16	3.25	YES	
L0003075	0	0.44390E-07	408817.4	3775175.9	97.2	0.00	11.16	3.25	YES	
L0003076	0	0.44390E-07	408841.0	3775180.1	96.0	0.00	11.16	3.25	YES	
L0003077	0	0.44390E-07	408864.7	3775184.3	96.6	0.00	11.16	3.25	YES	
L0003078	0	0.44390E-07	408888.3	3775188.5	98.3	0.00	11.16	3.25	YES	
L0003079	0	0.44390E-07	408912.0	3775192.2	100.2	0.00	11.16	3.25	YES	
L0003080	0	0.44390E-07	408935.7	3775196.0	102.2	0.00	11.16	3.25	YES	
L0003081	0	0.44390E-07	408959.4	3775199.7	104.0	0.00	11.16	3.25	YES	
L0003082	0	0.44390E-07	408983.1	3775203.5	106.0	0.00	11.16	3.25	YES	

L0003083	0	0.44390E-07	409006.8	3775207.2	108.1	0.00	11.16
3.25	YES						
L0003084	0	0.44390E-07	409030.5	3775211.0	110.2	0.00	11.16
3.25	YES						
L0003085	0	0.44390E-07	409054.2	3775214.7	112.1	0.00	11.16
3.25	YES						
L0003086	0	0.44390E-07	409078.0	3775218.4	113.8	0.00	11.16
3.25	YES						
L0003087	0	0.44390E-07	409101.7	3775222.0	113.8	0.00	11.16
3.25	YES						
L0003088	0	0.44390E-07	409125.4	3775225.6	113.4	0.00	11.16
3.25	YES						
L0003089	0	0.44390E-07	409149.1	3775229.3	113.0	0.00	11.16
3.25	YES						
L0003090	0	0.44390E-07	409172.9	3775232.9	111.8	0.00	11.16
3.25	YES						
L0003091	0	0.44390E-07	409196.6	3775236.5	110.2	0.00	11.16
3.25	YES						
L0003092	0	0.44390E-07	409220.3	3775240.1	108.8	0.00	11.16
3.25	YES						
L0003093	0	0.44390E-07	409244.0	3775243.8	107.9	0.00	11.16
3.25	YES						
L0003094	0	0.44390E-07	409267.8	3775247.4	107.6	0.00	11.16
3.25	YES						
L0003095	0	0.44390E-07	409291.5	3775251.0	107.5	0.00	11.16
3.25	YES						
L0003096	0	0.44390E-07	409315.2	3775254.7	107.6	0.00	11.16
3.25	YES						
L0003097	0	0.44390E-07	409338.9	3775258.3	109.1	0.00	11.16
3.25	YES						
L0003098	0	0.44390E-07	409362.7	3775261.9	110.6	0.00	11.16
3.25	YES						
L0003099	0	0.19520E-05	409436.9	3775239.6	111.7	3.49	4.00
3.25	YES						
L0003100	0	0.19520E-05	409433.5	3775231.7	109.8	3.49	4.00
3.25	YES						
L0003101	0	0.19520E-05	409430.2	3775223.8	107.9	3.49	4.00
3.25	YES						
L0003102	0	0.19520E-05	409426.8	3775215.9	106.0	3.49	4.00
3.25	YES						
L0003103	0	0.19520E-05	409423.4	3775208.0	104.1	3.49	4.00
3.25	YES						
L0003104	0	0.19520E-05	409420.1	3775200.1	102.2	3.49	4.00
3.25	YES						
L0003105	0	0.19520E-05	409416.7	3775192.2	100.2	3.49	4.00
3.25	YES						
L0003106	0	0.19520E-05	409413.4	3775184.3	98.2	3.49	4.00
3.25	YES						

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 L0003107         0   0.19520E-05  409410.0 3775176.4    96.3     3.49     4.00
3.25     YES
 L0003108         0   0.19520E-05  409406.6 3775168.5    94.3     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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 L0003109         0   0.19520E-05  409403.3 3775160.6    92.2     3.49     4.00
3.25     YES
 L0003110         0   0.19520E-05  409399.9 3775152.7    90.7     3.49     4.00
3.25     YES
 L0003111         0   0.19520E-05  409396.5 3775144.8    89.5     3.49     4.00
3.25     YES
 L0003112         0   0.19520E-05  409393.2 3775136.9    88.2     3.49     4.00
3.25     YES
 L0003113         0   0.19520E-05  409389.8 3775129.0    86.9     3.49     4.00
3.25     YES
 L0003114         0   0.19520E-05  409386.5 3775121.1    85.6     3.49     4.00
3.25     YES
 L0003115         0   0.19520E-05  409383.1 3775113.2    84.7     3.49     4.00
3.25     YES
 L0003116         0   0.19520E-05  409379.7 3775105.3    83.7     3.49     4.00
3.25     YES
 L0003117         0   0.19520E-05  409376.4 3775097.3    82.8     3.49     4.00
3.25     YES
 L0003118         0   0.19520E-05  409373.0 3775089.4    81.8     3.49     4.00
3.25     YES
 L0003119         0   0.19520E-05  409369.7 3775081.5    80.9     3.49     4.00
3.25     YES
 L0003120         0   0.19520E-05  409366.3 3775073.6    79.9     3.49     4.00
3.25     YES
```

L0003121	0	0.19520E-05	409362.9	3775065.7	79.0	3.49	4.00
3.25	YES						
L0003122	0	0.19520E-05	409359.6	3775057.8	80.4	3.49	4.00
3.25	YES						
L0003123	0	0.19520E-05	409356.2	3775049.9	81.8	3.49	4.00
3.25	YES						
L0003124	0	0.19520E-05	409352.9	3775042.0	83.1	3.49	4.00
3.25	YES						
L0003125	0	0.19520E-05	409349.5	3775034.1	84.5	3.49	4.00
3.25	YES						
L0003126	0	0.19520E-05	409346.1	3775026.2	85.9	3.49	4.00
3.25	YES						
L0003127	0	0.19520E-05	409342.8	3775018.3	87.3	3.49	4.00
3.25	YES						
L0003128	0	0.19520E-05	409339.4	3775010.4	88.6	3.49	4.00
3.25	YES						
L0003129	0	0.19520E-05	409336.1	3775002.5	90.0	3.49	4.00
3.25	YES						
L0003130	0	0.19520E-05	409332.7	3774994.6	91.4	3.49	4.00
3.25	YES						
L0003131	0	0.19520E-05	409329.3	3774986.7	92.8	3.49	4.00
3.25	YES						
L0003132	0	0.19520E-05	409326.0	3774978.8	94.1	3.49	4.00
3.25	YES						
L0003133	0	0.19520E-05	409322.6	3774970.9	95.5	3.49	4.00
3.25	YES						
L0003134	0	0.19520E-05	409319.3	3774963.0	96.8	3.49	4.00
3.25	YES						
L0003135	0	0.19520E-05	409315.9	3774955.0	98.1	3.49	4.00
3.25	YES						
L0003136	0	0.19520E-05	409312.5	3774947.1	99.4	3.49	4.00
3.25	YES						
L0003137	0	0.19520E-05	409309.2	3774939.2	100.6	3.49	4.00
3.25	YES						
L0003138	0	0.19520E-05	409305.8	3774931.3	101.8	3.49	4.00
3.25	YES						
L0003139	0	0.19520E-05	409302.5	3774923.4	102.8	3.49	4.00
3.25	YES						
L0003140	0	0.19520E-05	409299.1	3774915.5	103.8	3.49	4.00
3.25	YES						
L0003141	0	0.19520E-05	409295.7	3774907.6	104.8	3.49	4.00
3.25	YES						
L0003142	0	0.19520E-05	409292.4	3774899.7	105.8	3.49	4.00
3.25	YES						
L0003143	0	0.19520E-05	409289.0	3774891.8	106.7	3.49	4.00
3.25	YES						
L0003144	0	0.19520E-05	409285.7	3774883.9	107.7	3.49	4.00
3.25	YES						

```
 L0003145         0   0.19520E-05  409282.3 3774876.0   107.5     3.49     4.00
3.25     YES
 L0003146         0   0.19520E-05  409278.9 3774868.1   106.9     3.49     4.00
3.25     YES
 L0003147         0   0.19520E-05  409275.6 3774860.2   106.3     3.49     4.00
3.25     YES
 L0003148         0   0.19520E-05  409272.2 3774852.3   105.6     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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 L0003149         0   0.19520E-05  409268.9 3774844.4   104.9     3.49     4.00
3.25     YES
 L0003150         0   0.19520E-05  409271.6 3774838.8   105.0     3.49     4.00
3.25     YES
 L0003151         0   0.19520E-05  409279.4 3774835.2   105.9     3.49     4.00
3.25     YES
 L0003152         0   0.19520E-05  409287.2 3774831.5   106.8     3.49     4.00
3.25     YES
 L0003153         0   0.19520E-05  409295.0 3774827.9   107.8     3.49     4.00
3.25     YES
 L0003154         0   0.19520E-05  409302.8 3774824.3   108.8     3.49     4.00
3.25     YES
 L0003155         0   0.19520E-05  409310.5 3774820.6   109.4     3.49     4.00
3.25     YES
 L0003156         0   0.19520E-05  409318.3 3774817.0   109.6     3.49     4.00
3.25     YES
 L0003157         0   0.19520E-05  409326.1 3774813.4   109.9     3.49     4.00
3.25     YES
 L0003158         0   0.19520E-05  409333.9 3774809.8   110.1     3.49     4.00
3.25     YES
```

L0003159	0	0.19520E-05	409341.7	3774806.1	110.4	3.49	4.00	3.25 YES
L0003160	0	0.19520E-05	409349.5	3774802.5	110.6	3.49	4.00	3.25 YES
L0003161	0	0.19520E-05	409357.2	3774798.9	110.9	3.49	4.00	3.25 YES
L0003162	0	0.19520E-05	409365.0	3774795.2	111.2	3.49	4.00	3.25 YES
L0003163	0	0.19520E-05	409372.8	3774791.6	111.5	3.49	4.00	3.25 YES
L0003164	0	0.19520E-05	409380.6	3774788.0	111.9	3.49	4.00	3.25 YES
L0003165	0	0.19520E-05	409388.4	3774784.3	111.6	3.49	4.00	3.25 YES
L0003166	0	0.19520E-05	409396.2	3774780.7	110.9	3.49	4.00	3.25 YES
L0003167	0	0.19520E-05	409403.9	3774777.1	110.3	3.49	4.00	3.25 YES
L0003168	0	0.19520E-05	409411.7	3774773.4	109.8	3.49	4.00	3.25 YES
L0003169	0	0.19520E-05	409419.5	3774769.8	109.5	3.49	4.00	3.25 YES
L0003170	0	0.19520E-05	409427.3	3774766.2	109.2	3.49	4.00	3.25 YES
L0003171	0	0.19520E-05	409435.1	3774762.5	109.1	3.49	4.00	3.25 YES
L0003172	0	0.19520E-05	409442.9	3774758.9	109.1	3.49	4.00	3.25 YES
L0003173	0	0.19520E-05	409450.7	3774755.3	109.1	3.49	4.00	3.25 YES
L0003174	0	0.19520E-05	409458.4	3774751.6	109.3	3.49	4.00	3.25 YES
L0003175	0	0.19520E-05	409466.2	3774748.0	109.0	3.49	4.00	3.25 YES
L0003176	0	0.19520E-05	409474.0	3774744.4	108.5	3.49	4.00	3.25 YES
L0003177	0	0.19520E-05	409481.8	3774740.7	108.0	3.49	4.00	3.25 YES
L0003178	0	0.19520E-05	409489.6	3774737.1	107.5	3.49	4.00	3.25 YES
L0003179	0	0.19520E-05	409493.8	3774742.7	105.9	3.49	4.00	3.25 YES
L0003180	0	0.19520E-05	409497.1	3774750.6	104.1	3.49	4.00	3.25 YES
L0003181	0	0.19520E-05	409500.4	3774758.6	102.2	3.49	4.00	3.25 YES
L0003182	0	0.19520E-05	409503.7	3774766.5	100.4	3.49	4.00	3.25 YES

```
 L0003183         0   0.19520E-05  409507.1 3774774.4    98.5     3.49     4.00
3.25     YES
 L0003184         0   0.19520E-05  409510.4 3774782.3    96.7     3.49     4.00
3.25     YES
 L0003185         0   0.19520E-05  409513.7 3774790.3    95.6     3.49     4.00
3.25     YES
 L0003186         0   0.19520E-05  409517.0 3774798.2    95.5     3.49     4.00
3.25     YES
 L0003187         0   0.19520E-05  409520.3 3774806.1    95.5     3.49     4.00
3.25     YES
 L0003188         0   0.19520E-05  409523.7 3774814.0    95.5     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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 L0003189         0   0.19520E-05  409527.0 3774822.0    95.6     3.49     4.00
3.25     YES
 L0003190         0   0.19520E-05  409530.3 3774829.9    95.7     3.49     4.00
3.25     YES
 L0003191         0   0.19520E-05  409533.6 3774837.8    95.8     3.49     4.00
3.25     YES
 L0003192         0   0.19520E-05  409536.9 3774845.7    95.9     3.49     4.00
3.25     YES
 L0003193         0   0.19520E-05  409540.3 3774853.6    96.0     3.49     4.00
3.25     YES
 L0003194         0   0.19520E-05  409543.6 3774861.6    96.0     3.49     4.00
3.25     YES
 L0003195         0   0.19520E-05  409546.9 3774869.5    96.0     3.49     4.00
3.25     YES
 L0003196         0   0.19520E-05  409550.2 3774877.4    96.0     3.49     4.00
3.25     YES
```

L0003197	0	0.19520E-05	409553.5	3774885.3	94.8	3.49	4.00
3.25	YES						
L0003198	0	0.19520E-05	409556.9	3774893.3	93.2	3.49	4.00
3.25	YES						
L0003199	0	0.19520E-05	409560.2	3774901.2	91.6	3.49	4.00
3.25	YES						
L0003200	0	0.19520E-05	409563.5	3774909.1	90.1	3.49	4.00
3.25	YES						
L0003201	0	0.19520E-05	409566.8	3774917.0	88.6	3.49	4.00
3.25	YES						
L0003202	0	0.19520E-05	409570.1	3774924.9	87.2	3.49	4.00
3.25	YES						
L0003203	0	0.19520E-05	409573.4	3774932.9	85.8	3.49	4.00
3.25	YES						
L0003204	0	0.19520E-05	409576.8	3774940.8	84.4	3.49	4.00
3.25	YES						
L0003205	0	0.19520E-05	409580.1	3774948.7	83.0	3.49	4.00
3.25	YES						
L0003206	0	0.19520E-05	409583.4	3774956.6	81.7	3.49	4.00
3.25	YES						
L0003207	0	0.19520E-05	409586.7	3774964.6	80.5	3.49	4.00
3.25	YES						
L0003208	0	0.19520E-05	409590.0	3774972.5	79.7	3.49	4.00
3.25	YES						
L0003209	0	0.19520E-05	409593.4	3774980.4	81.6	3.49	4.00
3.25	YES						
L0003210	0	0.19520E-05	409596.7	3774988.3	83.6	3.49	4.00
3.25	YES						
L0003211	0	0.19520E-05	409600.0	3774996.3	85.7	3.49	4.00
3.25	YES						
L0003212	0	0.19520E-05	409603.3	3775004.2	87.8	3.49	4.00
3.25	YES						
L0003213	0	0.19520E-05	409606.6	3775012.1	90.1	3.49	4.00
3.25	YES						
L0003214	0	0.19520E-05	409610.0	3775020.0	92.4	3.49	4.00
3.25	YES						
L0003215	0	0.19520E-05	409613.3	3775027.9	94.8	3.49	4.00
3.25	YES						
L0003216	0	0.19520E-05	409616.6	3775035.9	97.4	3.49	4.00
3.25	YES						
L0003217	0	0.19520E-05	409619.9	3775043.8	99.6	3.49	4.00
3.25	YES						
L0003218	0	0.19520E-05	409623.2	3775051.7	101.9	3.49	4.00
3.25	YES						
L0003219	0	0.19520E-05	409626.6	3775059.6	104.2	3.49	4.00
3.25	YES						
L0003220	0	0.19520E-05	409629.9	3775067.6	105.3	3.49	4.00
3.25	YES						

```
 L0003221         0   0.19520E-05  409633.2 3775075.5   105.3     3.49     4.00
3.25     YES
 L0003222         0   0.19520E-05  409636.5 3775083.4   105.3     3.49     4.00
3.25     YES
 L0003223         0   0.19520E-05  409639.8 3775091.3   105.3     3.49     4.00
3.25     YES
 L0003224         0   0.19520E-05  409643.2 3775099.2   105.4     3.49     4.00
3.25     YES
 L0003225         0   0.19520E-05  409646.5 3775107.2   105.4     3.49     4.00
3.25     YES
 L0003226         0   0.19520E-05  409649.8 3775115.1   105.3     3.49     4.00
3.25     YES
 L0003227         0   0.19520E-05  409653.1 3775123.0   105.3     3.49     4.00
3.25     YES
 L0003228         0   0.19520E-05  409656.4 3775130.9   105.3     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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 L0003229         0   0.19520E-05  409659.8 3775138.9   105.3     3.49     4.00
3.25     YES
 L0003230         0   0.19520E-05  409663.1 3775146.8   105.2     3.49     4.00
3.25     YES
 L0003231         0   0.19520E-05  409666.4 3775154.7   105.2     3.49     4.00
3.25     YES
 L0003232         0   0.19520E-05  409669.7 3775162.6   106.3     3.49     4.00
3.25     YES
 L0002210         0   0.12130E-05  409436.9 3775239.6   111.7     3.49     4.00
3.25     YES
 L0002211         0   0.12130E-05  409433.5 3775231.7   109.8     3.49     4.00
3.25     YES
```

L0002212	0	0.12130E-05	409430.2	3775223.8	107.9	3.49	4.00	3.25 YES
L0002213	0	0.12130E-05	409426.8	3775215.9	106.0	3.49	4.00	3.25 YES
L0002214	0	0.12130E-05	409423.4	3775208.0	104.1	3.49	4.00	3.25 YES
L0002215	0	0.12130E-05	409420.1	3775200.1	102.2	3.49	4.00	3.25 YES
L0002216	0	0.12130E-05	409416.7	3775192.2	100.2	3.49	4.00	3.25 YES
L0002217	0	0.12130E-05	409413.4	3775184.3	98.2	3.49	4.00	3.25 YES
L0002218	0	0.12130E-05	409410.0	3775176.4	96.3	3.49	4.00	3.25 YES
L0002219	0	0.12130E-05	409406.6	3775168.5	94.3	3.49	4.00	3.25 YES
L0002220	0	0.12130E-05	409403.3	3775160.6	92.2	3.49	4.00	3.25 YES
L0002221	0	0.12130E-05	409399.9	3775152.7	90.7	3.49	4.00	3.25 YES
L0002222	0	0.12130E-05	409396.5	3775144.8	89.5	3.49	4.00	3.25 YES
L0002223	0	0.12130E-05	409393.2	3775136.9	88.2	3.49	4.00	3.25 YES
L0002224	0	0.12130E-05	409389.8	3775129.0	86.9	3.49	4.00	3.25 YES
L0002225	0	0.12130E-05	409386.5	3775121.1	85.6	3.49	4.00	3.25 YES
L0002226	0	0.12130E-05	409383.1	3775113.2	84.7	3.49	4.00	3.25 YES
L0002227	0	0.12130E-05	409379.7	3775105.3	83.7	3.49	4.00	3.25 YES
L0002228	0	0.12130E-05	409376.4	3775097.3	82.8	3.49	4.00	3.25 YES
L0002229	0	0.12130E-05	409373.0	3775089.4	81.8	3.49	4.00	3.25 YES
L0002230	0	0.12130E-05	409369.7	3775081.5	80.9	3.49	4.00	3.25 YES
L0002231	0	0.12130E-05	409366.3	3775073.6	79.9	3.49	4.00	3.25 YES
L0002232	0	0.12130E-05	409362.9	3775065.7	79.0	3.49	4.00	3.25 YES
L0002233	0	0.12130E-05	409359.6	3775057.8	80.4	3.49	4.00	3.25 YES
L0002234	0	0.12130E-05	409356.2	3775049.9	81.8	3.49	4.00	3.25 YES
L0002235	0	0.12130E-05	409352.9	3775042.0	83.1	3.49	4.00	3.25 YES

```
 L0002236         0   0.12130E-05  409349.5 3775034.1    84.5     3.49     4.00
3.25     YES
 L0002237         0   0.12130E-05  409346.1 3775026.2    85.9     3.49     4.00
3.25     YES
 L0002238         0   0.12130E-05  409342.8 3775018.3    87.3     3.49     4.00
3.25     YES
 L0002239         0   0.12130E-05  409339.4 3775010.4    88.6     3.49     4.00
3.25     YES
 L0002240         0   0.12130E-05  409336.1 3775002.5    90.0     3.49     4.00
3.25     YES
 L0002241         0   0.12130E-05  409332.7 3774994.6    91.4     3.49     4.00
3.25     YES
 L0002242         0   0.12130E-05  409329.3 3774986.7    92.8     3.49     4.00
3.25     YES
 L0002243         0   0.12130E-05  409326.0 3774978.8    94.1     3.49     4.00
3.25     YES
 L0002244         0   0.12130E-05  409322.6 3774970.9    95.5     3.49     4.00
3.25     YES
 L0002245         0   0.12130E-05  409319.3 3774963.0    96.8     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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0002246         0   0.12130E-05  409315.9 3774955.0    98.1     3.49     4.00
3.25     YES
 L0002247         0   0.12130E-05  409312.5 3774947.1    99.4     3.49     4.00
3.25     YES
 L0002248         0   0.12130E-05  409309.2 3774939.2   100.6     3.49     4.00
3.25     YES
 L0002249         0   0.12130E-05  409305.8 3774931.3   101.8     3.49     4.00
3.25     YES
```

L0002250	0	0.12130E-05	409302.5	3774923.4	102.8	3.49	4.00	3.25 YES
L0002251	0	0.12130E-05	409299.1	3774915.5	103.8	3.49	4.00	3.25 YES
L0002252	0	0.12130E-05	409295.7	3774907.6	104.8	3.49	4.00	3.25 YES
L0002253	0	0.12130E-05	409292.4	3774899.7	105.8	3.49	4.00	3.25 YES
L0002254	0	0.12130E-05	409289.0	3774891.8	106.7	3.49	4.00	3.25 YES
L0002255	0	0.12130E-05	409285.7	3774883.9	107.7	3.49	4.00	3.25 YES
L0002256	0	0.12130E-05	409282.3	3774876.0	107.5	3.49	4.00	3.25 YES
L0002257	0	0.12130E-05	409278.9	3774868.1	106.9	3.49	4.00	3.25 YES
L0002258	0	0.12130E-05	409275.6	3774860.2	106.3	3.49	4.00	3.25 YES
L0002259	0	0.12130E-05	409272.2	3774852.3	105.6	3.49	4.00	3.25 YES
L0002260	0	0.12130E-05	409268.9	3774844.4	104.9	3.49	4.00	3.25 YES
L0002261	0	0.12130E-05	409271.6	3774838.8	105.0	3.49	4.00	3.25 YES
L0002262	0	0.12130E-05	409279.4	3774835.2	105.9	3.49	4.00	3.25 YES
L0002263	0	0.12130E-05	409287.2	3774831.5	106.8	3.49	4.00	3.25 YES
L0002264	0	0.12130E-05	409295.0	3774827.9	107.8	3.49	4.00	3.25 YES
L0002265	0	0.12130E-05	409302.8	3774824.3	108.8	3.49	4.00	3.25 YES
L0002266	0	0.12130E-05	409310.5	3774820.6	109.4	3.49	4.00	3.25 YES
L0002267	0	0.12130E-05	409318.3	3774817.0	109.6	3.49	4.00	3.25 YES
L0002268	0	0.12130E-05	409326.1	3774813.4	109.9	3.49	4.00	3.25 YES
L0002269	0	0.12130E-05	409333.9	3774809.8	110.1	3.49	4.00	3.25 YES
L0002270	0	0.12130E-05	409341.7	3774806.1	110.4	3.49	4.00	3.25 YES
L0002271	0	0.12130E-05	409349.5	3774802.5	110.6	3.49	4.00	3.25 YES
L0002272	0	0.12130E-05	409357.2	3774798.9	110.9	3.49	4.00	3.25 YES
L0002273	0	0.12130E-05	409365.0	3774795.2	111.2	3.49	4.00	3.25 YES

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 L0002274         0   0.12130E-05  409372.8 3774791.6   111.5     3.49     4.00
3.25     YES
 L0002275         0   0.12130E-05  409380.6 3774788.0   111.9     3.49     4.00
3.25     YES
 L0002276         0   0.12130E-05  409388.4 3774784.3   111.6     3.49     4.00
3.25     YES
 L0002277         0   0.12130E-05  409396.2 3774780.7   110.9     3.49     4.00
3.25     YES
 L0002278         0   0.12130E-05  409403.9 3774777.1   110.3     3.49     4.00
3.25     YES
 L0002279         0   0.12130E-05  409411.7 3774773.4   109.8     3.49     4.00
3.25     YES
 L0002280         0   0.12130E-05  409419.5 3774769.8   109.5     3.49     4.00
3.25     YES
 L0002281         0   0.12130E-05  409427.3 3774766.2   109.2     3.49     4.00
3.25     YES
 L0002282         0   0.12130E-05  409435.1 3774762.5   109.1     3.49     4.00
3.25     YES
 L0002283         0   0.12130E-05  409442.9 3774758.9   109.1     3.49     4.00
3.25     YES
 L0002284         0   0.12130E-05  409450.7 3774755.3   109.1     3.49     4.00
3.25     YES
 L0002285         0   0.12130E-05  409458.4 3774751.6   109.3     3.49     4.00
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:44

                                  PAGE  19
 *** 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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 L0002286         0   0.12130E-05  409466.2 3774748.0   109.0     3.49     4.00
3.25     YES
 L0002287         0   0.12130E-05  409474.0 3774744.4   108.5     3.49     4.00
3.25     YES
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L0002288	0	0.12130E-05	409481.8	3774740.7	108.0	3.49	4.00	3.25 YES
L0002289	0	0.12130E-05	409489.6	3774737.1	107.5	3.49	4.00	3.25 YES
L0002290	0	0.12130E-05	409493.8	3774742.7	105.9	3.49	4.00	3.25 YES
L0002291	0	0.12130E-05	409497.1	3774750.6	104.1	3.49	4.00	3.25 YES
L0002292	0	0.12130E-05	409500.4	3774758.6	102.2	3.49	4.00	3.25 YES
L0002293	0	0.12130E-05	409503.7	3774766.5	100.4	3.49	4.00	3.25 YES
L0002294	0	0.12130E-05	409507.1	3774774.4	98.5	3.49	4.00	3.25 YES
L0002295	0	0.12130E-05	409510.4	3774782.3	96.7	3.49	4.00	3.25 YES
L0002296	0	0.12130E-05	409513.7	3774790.3	95.6	3.49	4.00	3.25 YES
L0002297	0	0.12130E-05	409517.0	3774798.2	95.5	3.49	4.00	3.25 YES
L0002298	0	0.12130E-05	409520.3	3774806.1	95.5	3.49	4.00	3.25 YES
L0002299	0	0.12130E-05	409523.7	3774814.0	95.5	3.49	4.00	3.25 YES
L0002300	0	0.12130E-05	409527.0	3774822.0	95.6	3.49	4.00	3.25 YES
L0002301	0	0.12130E-05	409530.3	3774829.9	95.7	3.49	4.00	3.25 YES
L0002302	0	0.12130E-05	409533.6	3774837.8	95.8	3.49	4.00	3.25 YES
L0002303	0	0.12130E-05	409536.9	3774845.7	95.9	3.49	4.00	3.25 YES
L0002304	0	0.12130E-05	409540.3	3774853.6	96.0	3.49	4.00	3.25 YES
L0002305	0	0.12130E-05	409543.6	3774861.6	96.0	3.49	4.00	3.25 YES
L0002306	0	0.12130E-05	409546.9	3774869.5	96.0	3.49	4.00	3.25 YES
L0002307	0	0.12130E-05	409550.2	3774877.4	96.0	3.49	4.00	3.25 YES
L0002308	0	0.12130E-05	409553.5	3774885.3	94.8	3.49	4.00	3.25 YES
L0002309	0	0.12130E-05	409556.9	3774893.3	93.2	3.49	4.00	3.25 YES
L0002310	0	0.12130E-05	409560.2	3774901.2	91.6	3.49	4.00	3.25 YES
L0002311	0	0.12130E-05	409563.5	3774909.1	90.1	3.49	4.00	3.25 YES

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 L0002312         0   0.12130E-05  409566.8 3774917.0    88.6     3.49     4.00
3.25     YES
 L0002313         0   0.12130E-05  409570.1 3774924.9    87.2     3.49     4.00
3.25     YES
 L0002314         0   0.12130E-05  409573.4 3774932.9    85.8     3.49     4.00
3.25     YES
 L0002315         0   0.12130E-05  409576.8 3774940.8    84.4     3.49     4.00
3.25     YES
 L0002316         0   0.12130E-05  409580.1 3774948.7    83.0     3.49     4.00
3.25     YES
 L0002317         0   0.12130E-05  409583.4 3774956.6    81.7     3.49     4.00
3.25     YES
 L0002318         0   0.12130E-05  409586.7 3774964.6    80.5     3.49     4.00
3.25     YES
 L0002319         0   0.12130E-05  409590.0 3774972.5    79.7     3.49     4.00
3.25     YES
 L0002320         0   0.12130E-05  409593.4 3774980.4    81.6     3.49     4.00
3.25     YES
 L0002321         0   0.12130E-05  409596.7 3774988.3    83.6     3.49     4.00
3.25     YES
 L0002322         0   0.12130E-05  409600.0 3774996.3    85.7     3.49     4.00
3.25     YES
 L0002323         0   0.12130E-05  409603.3 3775004.2    87.8     3.49     4.00
3.25     YES
 L0002324         0   0.12130E-05  409606.6 3775012.1    90.1     3.49     4.00
3.25     YES
 L0002325         0   0.12130E-05  409610.0 3775020.0    92.4     3.49     4.00
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:44

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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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L0002326	0	0.12130E-05	409613.3	3775027.9	94.8	3.49	4.00	3.25 YES
L0002327	0	0.12130E-05	409616.6	3775035.9	97.4	3.49	4.00	3.25 YES
L0002328	0	0.12130E-05	409619.9	3775043.8	99.6	3.49	4.00	3.25 YES
L0002329	0	0.12130E-05	409623.2	3775051.7	101.9	3.49	4.00	3.25 YES
L0002330	0	0.12130E-05	409626.6	3775059.6	104.2	3.49	4.00	3.25 YES
L0002331	0	0.12130E-05	409629.9	3775067.6	105.3	3.49	4.00	3.25 YES
L0002332	0	0.12130E-05	409633.2	3775075.5	105.3	3.49	4.00	3.25 YES
L0002333	0	0.12130E-05	409636.5	3775083.4	105.3	3.49	4.00	3.25 YES
L0002334	0	0.12130E-05	409639.8	3775091.3	105.3	3.49	4.00	3.25 YES
L0002335	0	0.12130E-05	409643.2	3775099.2	105.4	3.49	4.00	3.25 YES
L0002336	0	0.12130E-05	409646.5	3775107.2	105.4	3.49	4.00	3.25 YES
L0002337	0	0.12130E-05	409649.8	3775115.1	105.3	3.49	4.00	3.25 YES
L0002338	0	0.12130E-05	409653.1	3775123.0	105.3	3.49	4.00	3.25 YES
L0002339	0	0.12130E-05	409656.4	3775130.9	105.3	3.49	4.00	3.25 YES
L0002340	0	0.12130E-05	409659.8	3775138.9	105.3	3.49	4.00	3.25 YES
L0002341	0	0.12130E-05	409663.1	3775146.8	105.2	3.49	4.00	3.25 YES
L0002342	0	0.12130E-05	409666.4	3775154.7	105.2	3.49	4.00	3.25 YES
L0002343	0	0.12130E-05	409669.7	3775162.6	106.3	3.49	4.00	3.25 YES
L0003233	0	0.44450E-07	408882.8	3774976.9	90.9	3.49	11.16	3.25 YES
L0003234	0	0.44450E-07	408861.0	3774986.8	97.7	3.49	11.16	3.25 YES
L0003235	0	0.44450E-07	408839.1	3774996.8	102.9	3.49	11.16	3.25 YES
L0003236	0	0.44450E-07	408817.3	3775006.7	105.8	3.49	11.16	3.25 YES
L0003237	0	0.44450E-07	408795.4	3775016.7	108.5	3.49	11.16	3.25 YES
L0003238	0	0.44450E-07	408773.6	3775026.6	111.1	3.49	11.16	3.25 YES

L0003239	0	0.44450E-07	408751.7	3775036.6	111.6	3.49	11.16	3.25 YES
L0003240	0	0.44450E-07	408729.9	3775046.5	112.1	3.49	11.16	3.25 YES
L0003241	0	0.44450E-07	408708.1	3775056.5	112.7	3.49	11.16	3.25 YES
L0003242	0	0.44450E-07	408686.2	3775066.4	113.1	3.49	11.16	3.25 YES
L0003243	0	0.44450E-07	408664.4	3775076.4	112.8	3.49	11.16	3.25 YES
L0003244	0	0.44450E-07	408642.5	3775086.3	112.7	3.49	11.16	3.25 YES
L0003245	0	0.44450E-07	408620.7	3775096.3	113.0	3.49	11.16	3.25 YES
L0003246	0	0.44450E-07	408602.0	3775111.3	112.9	3.49	11.16	3.25 YES
L0003247	0	0.44450E-07	408583.3	3775126.4	113.1	3.49	11.16	3.25 YES
L0003248	0	0.44450E-07	408561.5	3775129.5	113.3	3.49	11.16	3.25 YES
L0003249	0	0.44450E-07	408537.9	3775125.5	113.2	3.49	11.16	3.25 YES
L0003250	0	0.44450E-07	408514.2	3775121.4	112.5	3.49	11.16	3.25 YES
L0003251	0	0.44450E-07	408490.6	3775117.4	111.9	3.49	11.16	3.25 YES
L0003252	0	0.44450E-07	408466.9	3775113.3	111.5	3.49	11.16	3.25 YES
L0003253	0	0.44450E-07	408443.3	3775109.3	111.0	3.49	11.16	3.25 YES
L0003254	0	0.44450E-07	408419.6	3775105.2	110.6	3.49	11.16	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

(METERS) BY
- -

L0003255	0	0.44450E-07	408396.0	3775101.2	110.3	3.49	11.16	3.25	YES
L0003256	0	0.44450E-07	408372.3	3775097.1	110.1	3.49	11.16	3.25	YES
L0003257	0	0.44450E-07	408348.7	3775093.0	110.0	3.49	11.16	3.25	YES
L0003258	0	0.44450E-07	408325.0	3775089.0	110.0	3.49	11.16	3.25	YES
L0003259	0	0.44450E-07	408301.3	3775084.9	110.1	3.49	11.16	3.25	YES
L0003260	0	0.44450E-07	408277.7	3775080.9	110.1	3.49	11.16	3.25	YES
L0003261	0	0.44450E-07	408254.0	3775076.8	110.2	3.49	11.16	3.25	YES
L0003262	0	0.44450E-07	408230.4	3775072.8	109.6	3.49	11.16	3.25	YES
L0003263	0	0.44450E-07	408206.7	3775068.7	108.8	3.49	11.16	3.25	YES
L0003264	0	0.44450E-07	408183.1	3775064.7	108.1	3.49	11.16	3.25	YES
L0003265	0	0.44450E-07	408159.4	3775060.6	107.4	3.49	11.16	3.25	YES
L0003266	0	0.44450E-07	408135.8	3775056.6	106.5	3.49	11.16	3.25	YES
L0003267	0	0.44450E-07	408112.1	3775052.5	105.6	3.49	11.16	3.25	YES
L0003268	0	0.44450E-07	408088.4	3775048.4	104.6	3.49	11.16	3.25	YES
L0003269	0	0.44450E-07	408064.8	3775044.4	103.7	3.49	11.16	3.25	YES
L0003270	0	0.44450E-07	408041.1	3775040.3	102.9	3.49	11.16	3.25	YES
L0003271	0	0.44450E-07	408017.5	3775036.3	102.1	3.49	11.16	3.25	YES
L0003272	0	0.44450E-07	407993.8	3775032.2	101.9	3.49	11.16	3.25	YES
L0003273	0	0.44450E-07	407970.2	3775028.2	102.9	3.49	11.16	3.25	YES
L0003274	0	0.44450E-07	407946.5	3775024.1	104.1	3.49	11.16	3.25	YES
L0003275	0	0.44450E-07	407922.9	3775020.1	105.5	3.49	11.16	3.25	YES
L0003276	0	0.44450E-07	407899.2	3775016.0	106.5	3.49	11.16	3.25	YES

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 L0003277         0   0.44450E-07  407875.6 3775011.9   107.5     3.49    11.16
3.25     YES
 L0003278         0   0.44450E-07  407851.9 3775007.9   108.6     3.49    11.16
3.25     YES
 L0003279         0   0.44450E-07  407828.2 3775003.8   108.2     3.49    11.16
3.25     YES
 L0003280         0   0.44450E-07  407804.6 3774999.8   107.5     3.49    11.16
3.25     YES
 L0003281         0   0.44450E-07  407780.9 3774995.7   106.6     3.49    11.16
3.25     YES
 L0003282         0   0.44450E-07  407757.3 3774991.7   106.1     3.49    11.16
3.25     YES
 L0003283         0   0.44450E-07  407733.6 3774987.6   106.1     3.49    11.16
3.25     YES
 L0003284         0   0.44450E-07  407710.0 3774983.6   106.3     3.49    11.16
3.25     YES
 L0003285         0   0.44450E-07  407686.3 3774979.5   106.4     3.49    11.16
3.25     YES
 L0003286         0   0.44450E-07  407662.7 3774975.4   106.6     3.49    11.16
3.25     YES
 L0003287         0   0.44450E-07  407639.0 3774971.4   106.8     3.49    11.16
3.25     YES
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:44

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                     SOURCE IDs
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L0002349    , L0002350    , L0002351    ,

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L0002373    , L0002374    , L0002375    ,
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             L0002833    , L0002834    , L0002835    , L0002836    , L0002837    ,
L0002838    , L0002839    , L0002840    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0002105 , L0002841 , L0002842 , L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
	L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 , L0002855 ,
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	L0002864 , L0002865 , L0002866 , L0002867 , L0002156 , L0002157 , L0002158 , L0002159 ,
	L0002160 , L0002161 , L0002162 , L0002163 , L0002164 , L0002165 , L0002166 , L0002167 ,
	L0002168 , L0002169 , L0002170 , L0002171 , L0002172 , L0002173 , L0002174 , L0002175 ,
	L0002176 , L0002177 , L0002178 , L0002179 , L0002180 , L0002181 , L0002182 , L0002868 ,
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L0002946 , L0002947 , L0002948 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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             L0002973    , L0002974    , L0002975    , L0002976    , L0002977    ,
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L0002986    , L0002987    , L0002988    ,

             L0002989    , L0002990    , L0002991    , L0002992    , L0002993    ,
L0002994    , L0002995    , L0002996    ,

             L0002997    , L0002998    , L0002999    , L0003000    , L0003001    ,
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             L0003005    , L0003006    , L0003007    , L0003008    , L0003009    ,
L0003010    , L0003011    , L0003012    ,

             L0003013    , L0003014    , L0003015    , L0003016    , L0003017    ,
L0003018    , L0003019    , L0003020    ,

             L0003021    , L0003022    , L0003023    , L0003024    , L0003025    ,
L0003026    , L0003027    , L0003028    ,

             L0003029    , L0003030    , L0003031    , L0003032    , L0003033    ,
L0003034    , L0003035    , L0003036    ,

             L0003037    , L0003038    , L0003039    , L0003040    , L0003041    ,
L0003042    , L0003043    , L0003044    ,

             L0003045    , L0003046    , L0003047    , L0003048    , L0003049    ,
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L0003066    , L0003067    , L0003068    ,

             L0003069    , L0003070    , L0003071    , L0003072    , L0003073    ,
L0003074    , L0003075    , L0003076    ,

             L0003077    , L0003078    , L0003079    , L0003080    , L0003081    ,
L0003082    , L0003083    , L0003084    ,

             L0003085    , L0003086    , L0003087    , L0003088    , L0003089    ,
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L0003101 , L0003102 , L0003103 , L0003104 , L0003105 , L0003106 , L0003107 , L0003108 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0003109 , L0003110 , L0003111 , L0003112 , L0003113 , L0003114 , L0003115 , L0003116 ,

L0003117 , L0003118 , L0003119 , L0003120 , L0003121 , L0003122 , L0003123 , L0003124 ,

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L0003141 , L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 ,

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L0003157 , L0003158 , L0003159 , L0003160 , L0003161 , L0003162 , L0003163 , L0003164 ,

L0003165 , L0003166 , L0003167 , L0003168 , L0003169 , L0003170 , L0003171 , L0003172 ,

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L0003181 , L0003182 , L0003183 , L0003184 , L0003185 , L0003186 , L0003187 , L0003188 ,

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L0003194    , L0003195    , L0003196    ,

             L0003197    , L0003198    , L0003199    , L0003200    , L0003201    ,
L0003202    , L0003203    , L0003204    ,

             L0003205    , L0003206    , L0003207    , L0003208    , L0003209    ,
L0003210    , L0003211    , L0003212    ,

             L0003213    , L0003214    , L0003215    , L0003216    , L0003217    ,
L0003218    , L0003219    , L0003220    ,

             L0003221    , L0003222    , L0003223    , L0003224    , L0003225    ,
L0003226    , L0003227    , L0003228    ,

             L0003229    , L0003230    , L0003231    , L0003232    , L0002210    ,
L0002211    , L0002212    , L0002213    ,

             L0002214    , L0002215    , L0002216    , L0002217    , L0002218    ,
L0002219    , L0002220    , L0002221    ,

             L0002222    , L0002223    , L0002224    , L0002225    , L0002226    ,
L0002227    , L0002228    , L0002229    ,

             L0002230    , L0002231    , L0002232    , L0002233    , L0002234    ,
L0002235    , L0002236    , L0002237    ,

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                    SOURCE IDs
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             L0002246    , L0002247    , L0002248    , L0002249    , L0002250    ,
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            L0002254    , L0002255    , L0002256    , L0002257    , L0002258    ,
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            L0002262    , L0002263    , L0002264    , L0002265    , L0002266    ,
L0002267    , L0002268    , L0002269    ,

            L0002270    , L0002271    , L0002272    , L0002273    , L0002274    ,
L0002275    , L0002276    , L0002277    ,

            L0002278    , L0002279    , L0002280    , L0002281    , L0002282    ,
L0002283    , L0002284    , L0002285    ,

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L0002291    , L0002292    , L0002293    ,

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            L0002302    , L0002303    , L0002304    , L0002305    , L0002306    ,
L0002307    , L0002308    , L0002309    ,

            L0002310    , L0002311    , L0002312    , L0002313    , L0002314    ,
L0002315    , L0002316    , L0002317    ,

            L0002318    , L0002319    , L0002320    , L0002321    , L0002322    ,
L0002323    , L0002324    , L0002325    ,

            L0002326    , L0002327    , L0002328    , L0002329    , L0002330    ,
L0002331    , L0002332    , L0002333    ,

            L0002334    , L0002335    , L0002336    , L0002337    , L0002338    ,
L0002339    , L0002340    , L0002341    ,

            L0002342    , L0002343    , L0003233    , L0003234    , L0003235    ,
L0003236    , L0003237    , L0003238    ,

            L0003239    , L0003240    , L0003241    , L0003242    , L0003243    ,
L0003244    , L0003245    , L0003246    ,

            L0003247    , L0003248    , L0003249    , L0003250    , L0003251    ,
L0003252    , L0003253    , L0003254    ,

            L0003255    , L0003256    , L0003257    , L0003258    , L0003259    ,
L0003260    , L0003261    , L0003262    ,

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L0003287 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	L0002344 , L0002345 , L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 ,
		L0002352 , L0002353 , L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 ,
		L0002360 , L0002361 , L0002362 , L0002363 , L0002364 , L0002365 , L0002366 , L0002367 ,
		L0002368 , L0002369 , L0002370 , L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
		L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
		L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
		L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , L0002399 ,
		L0002400 , L0002401 , L0002402 , L0002403 , L0002404 , L0002405 , L0002406 , L0002407 ,

L0002408 , L0002409 , L0002410 , L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,

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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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            L0002081    , L0002082    , L0002083    , L0002084    , L0002085    ,
L0002086    , L0002087    , L0002088    ,

            L0002089    , L0002090    , L0002091    , L0002092    , L0002093    ,
L0002094    , L0002095    , L0002096    ,

            L0002097    , L0002098    , L0002099    , L0002100    , L0002101    ,
L0002102    , L0002103    , L0002104    ,

            L0002105    , L0002841    , L0002842    , L0002843    , L0002844    ,
L0002845    , L0002846    , L0002847    ,

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L0002165    , L0002166    , L0002167    ,

            L0002168    , L0002169    , L0002170    , L0002171    , L0002172    ,
L0002173    , L0002174    , L0002175    ,

            L0002176    , L0002177    , L0002178    , L0002179    , L0002180    ,
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L0002874    , L0002875    , L0002876    ,

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            L0002885    , L0002886    , L0002887    , L0002888    , L0002889    ,
L0002890    , L0002891    , L0002892    ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0002949 , L0002950 , L0002951 , L0002952 , L0002953 , L0002954 , L0002955 , L0002956 ,

L0002957 , L0002958 , L0002959 , L0002960 , L0002961 , L0002962 , L0002963 , L0002964 ,

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L0003101 , L0003102 , L0003103 , L0003104 , L0003105 , L0003106 , L0003107 , L0003108 ,

↟ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11111 HRA\11111 HRA.ISC *** 05/24/18

*** AERMET - VERSION 16216 *** *** *** 15:57:44

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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		L0003117 , L0003118 , L0003119 , L0003120 , L0003121 , L0003122 , L0003123 , L0003124 ,
		L0003125 , L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 ,
		L0003133 , L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 ,
		L0003141 , L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 ,
		L0003149 , L0003150 , L0003151 , L0003152 , L0003153 , L0003154 , L0003155 , L0003156 ,
		L0003157 , L0003158 , L0003159 , L0003160 , L0003161 , L0003162 , L0003163 , L0003164 ,
		L0003165 , L0003166 , L0003167 , L0003168 , L0003169 , L0003170 , L0003171 , L0003172 ,
		L0003173 , L0003174 , L0003175 , L0003176 , L0003177 , L0003178 , L0003179 , L0003180 ,
		L0003181 , L0003182 , L0003183 , L0003184 , L0003185 , L0003186 , L0003187 , L0003188 ,
		L0003189 , L0003190 , L0003191 , L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
		L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
		L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,

L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , L0003220 ,

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L0002238 , L0002239 , L0002240 , L0002241 , L0002242 , L0002243 , L0002244 , L0002245 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0002246 , L0002247 , L0002248 , L0002249 , L0002250 , L0002251 , L0002252 , L0002253 ,

L0002254 , L0002255 , L0002256 , L0002257 , L0002258 , L0002259 , L0002260 , L0002261 ,

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L0002270 , L0002271 , L0002272 , L0002273 , L0002274 , L0002275 , L0002276 , L0002277 ,

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L0002283    , L0002284    , L0002285    ,

             L0002286    , L0002287    , L0002288    , L0002289    , L0002290    ,
L0002291    , L0002292    , L0002293    ,

             L0002294    , L0002295    , L0002296    , L0002297    , L0002298    ,
L0002299    , L0002300    , L0002301    ,

             L0002302    , L0002303    , L0002304    , L0002305    , L0002306    ,
L0002307    , L0002308    , L0002309    ,

             L0002310    , L0002311    , L0002312    , L0002313    , L0002314    ,
L0002315    , L0002316    , L0002317    ,

             L0002318    , L0002319    , L0002320    , L0002321    , L0002322    ,
L0002323    , L0002324    , L0002325    ,

             L0002326    , L0002327    , L0002328    , L0002329    , L0002330    ,
L0002331    , L0002332    , L0002333    ,

             L0002334    , L0002335    , L0002336    , L0002337    , L0002338    ,
L0002339    , L0002340    , L0002341    ,

             L0002342    , L0002343    , L0003233    , L0003234    , L0003235    ,
L0003236    , L0003237    , L0003238    ,

             L0003239    , L0003240    , L0003241    , L0003242    , L0003243    ,
L0003244    , L0003245    , L0003246    ,

             L0003247    , L0003248    , L0003249    , L0003250    , L0003251    ,
L0003252    , L0003253    , L0003254    ,

             L0003255    , L0003256    , L0003257    , L0003258    , L0003259    ,
L0003260    , L0003261    , L0003262    ,

             L0003263    , L0003264    , L0003265    , L0003266    , L0003267    ,
L0003268    , L0003269    , L0003270    ,

             L0003271    , L0003272    , L0003273    , L0003274    , L0003275    ,
L0003276    , L0003277    , L0003278    ,

             L0003279    , L0003280    , L0003281    , L0003282    , L0003283    ,
L0003284    , L0003285    , L0003286    ,

             L0003287    ,
```

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

```
     ( 408841.4, 3775909.7,     110.6,    1877.0,       0.0);         ( 408973.0,
3775930.0,     111.2,    1877.0,       0.0);
     ( 408465.4, 3775662.0,     109.1,    1877.0,       0.0);         ( 408235.9,
3775677.6,     108.0,    1877.0,       0.0);
     ( 407592.9, 3775688.7,     112.0,    1877.0,       0.0);         ( 409805.7,
3776496.2,     126.4,    2350.0,       0.0);
     ( 409759.6, 3776678.2,     128.8,    2350.0,       0.0);         ( 409764.3,
3776769.2,     129.2,    2350.0,       0.0);
     ( 410619.0, 3774194.3,     119.9,    1706.0,       0.0);         ( 410840.4,
3774290.5,     124.3,    1706.0,       0.0);
     ( 410207.5, 3773953.6,     115.9,    1706.0,       0.0);         ( 408561.1,
3775004.4,     113.2,    1877.0,       0.0);
     ( 408680.8, 3775008.7,     114.5,    1706.0,       0.0);         ( 410121.1,
3774373.4,     116.8,    1706.0,       0.0);
     ( 408937.7, 3774852.9,      71.1,    1877.0,       0.0);         ( 408186.2,
3775001.5,     102.0,    1877.0,       0.0);
     ( 409940.6, 3775277.7,     123.5,    1706.0,       0.0);         ( 410079.0,
3775246.1,     119.9,    1706.0,       0.0);
     ( 409115.4, 3775702.7,     113.5,    1877.0,       0.0);
```


*** 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

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,

↑ *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111 HRA.ISC   ***   05/24/18
*** AERMET - VERSION 16216 ***   ***
***   15:57:44

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: AZUSAADJU\AZUS_V9_ADJU\AZUS_V9.SFC
Met Version: 16216
Profile file: AZUSAADJU\AZUS_V9_ADJU\AZUS_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:   3179   Upper air station no.:   3190
Name: UNKNOWN   Name: UNKNOWN

Year: 2012   Year: 2012

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 12 01 01   1 01  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   20.    9.1  293.1    5.5
 12 01 01   1 02  -32.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.36   1.68
1.00    2.70   99.    9.1  293.1    5.5
 12 01 01   1 03  -26.4  0.277 -9.000 -9.000 -999.  351.     84.1  0.36   1.68
1.00    2.20   14.    9.1  292.0    5.5
 12 01 01   1 04  -32.6  0.342 -9.000 -9.000 -999.  480.    128.9  0.36   1.68
1.00    2.70   10.    9.1  292.5    5.5
 12 01 01   1 05  -26.4  0.277 -9.000 -9.000 -999.  351.     84.1  0.36   1.68
1.00    2.20   12.    9.1  292.5    5.5
 12 01 01   1 06  -21.6  0.224 -9.000 -9.000 -999.  256.     55.2  0.36   1.68
1.00    1.80  118.    9.1  289.2    5.5
 12 01 01   1 07  -26.6  0.277 -9.000 -9.000 -999.  349.     84.1  0.36   1.68
1.00    2.20   64.    9.1  290.9    5.5
 12 01 01   1 08   -1.3  0.062 -9.000 -9.000 -999.  124.     16.5  0.36   1.68
0.55    0.40   36.    9.1  290.9    5.5
 12 01 01   1 09   38.1  0.160  0.348  0.008   39.  153.     -9.5  0.36   1.68
0.32    0.90  124.    9.1  293.8    5.5
 12 01 01   1 10   99.5  0.179  0.693  0.007  119.  181.     -5.1  0.36   1.68
0.25    0.90   21.    9.1  298.1    5.5
 12 01 01   1 11  142.6  0.494  1.086  0.005  321.  832.    -75.2  0.36   1.68
0.22    3.60  141.    9.1  299.9    5.5
 12 01 01   1 12  162.8  0.442  1.385  0.005  582.  709.    -47.3  0.36   1.68
0.21    3.10  122.    9.1  299.9    5.5
 12 01 01   1 13  164.4  0.298  1.634  0.005  946.  405.    -14.3  0.36   1.68
0.21    1.80  114.    9.1  300.9    5.5
 12 01 01   1 14  142.7  0.293  1.718  0.005 1265.  382.    -15.8  0.36   1.68
0.22    1.80   93.    9.1  302.5    5.5
 12 01 01   1 15   96.7  0.283  1.575  0.005 1438.  361.    -20.7  0.36   1.68
0.26    1.80  110.    9.1  303.8    5.5
 12 01 01   1 16   41.5  0.207  1.201  0.005 1485.  228.    -18.9  0.36   1.68
0.35    1.30  113.    9.1  304.2    5.5
 12 01 01   1 17  -37.8  0.464 -9.000 -9.000 -999.  757.    236.3  0.36   1.68
0.62    3.60  251.    9.1  300.9    5.5
 12 01 01   1 18  -26.1  0.277 -9.000 -9.000 -999.  379.     84.2  0.36   1.68
1.00    2.20    8.    9.1  296.4    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.36   1.68
1.00  999.00  999.   -9.0  295.9    5.5
 12 01 01   1 20   -5.7  0.107 -9.000 -9.000 -999.   84.     19.3  0.36   1.68
1.00    0.90   35.    9.1  295.4    5.5
 12 01 01   1 21  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80  213.    9.1  293.8    5.5
 12 01 01   1 22  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   52.    9.1  293.8    5.5
 12 01 01   1 23  -26.3  0.277 -9.000 -9.000 -999.  349.     84.2  0.36   1.68
1.00    2.20   58.    9.1  293.8    5.5
```

 12 01 01   1 24 -21.4 0.224 -9.000 -9.000 -999. 256.   55.3 0.36   1.68
1.00   1.80   83.   9.1 292.5   5.5

 First hour of profile data
 YR MO DY HR HEIGHT F WDIR   WSPD AMB_TMP sigmaA sigmaW sigmaV
 12 01 01 01   5.5 0 -999. -99.00   293.2   99.0 -99.00 -99.00
 12 01 01 01   9.1 1   20.   1.80 -999.0   99.0 -99.00 -99.00

 F indicates top of profile (=1) or below (=0)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0002344   , L0002345
, L0002346   , L0002347   , L0002348   ,
                  L0002349   , L0002350   , L0002351   , L0002352   , L0002353
, L0002354   , L0002355   , L0002356   ,
                  L0002357   , L0002358   , L0002359   , L0002360   , L0002361
, L0002362   , L0002363   , L0002364   ,
                  L0002365   , L0002366   , L0002367   , L0002368   , L0002369
, L0002370   , L0002371   , . . .   ,

                                             *** 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
 -
- -
         408841.41   3775909.74   0.00100   408972.96
3775929.98   0.00104
         408465.37   3775662.01   0.00097   408235.94
3775677.64   0.00076
         407592.94   3775688.68   0.00039   409805.71
3776496.24   0.00039
         409759.62   3776678.23   0.00031   409764.35
3776769.23   0.00028
         410619.05   3774194.32   0.00065   410840.40

3774290.51 0.00054
410207.50 3773953.56 0.00077 408561.15
3775004.36 0.00203
408680.82 3775008.71 0.00285 410121.10
3774373.42 0.00395
408937.74 3774852.91 0.00645 408186.17
3775001.48 0.00120
409940.65 3775277.74 0.00417 410079.04
3775246.06 0.00329
409115.44 3775702.68 0.00165

*** 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	0.00645 AT (408937.74, 3774852.91, 71.11, 1877.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00417 AT (409940.65, 3775277.74, 123.52, 1706.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00395 AT (410121.10, 3774373.42, 116.79, 1706.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00329 AT (410079.04, 3775246.06, 119.88, 1706.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00285 AT (408680.82, 3775008.71, 114.50, 1706.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00203 AT (408561.15, 3775004.36, 113.25, 1877.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00165 AT (409115.44, 3775702.68, 113.55, 1877.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00120 AT (408186.17, 3775001.48, 102.02,		

```
 1877.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00104 AT (  408972.96,  3775929.98,   111.21,
 1877.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00100 AT (  408841.41,  3775909.74,   110.61,
 1877.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 16216r ***   *** C:\LAKES\AERMOD VIEW\11111 HRA\11111
HRA.ISC                          ***        05/24/18
 *** AERMET - VERSION  16216 ***   ***
                      ***        15:57:44

                                  PAGE  37
 *** 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            2 Warning Message(s)
 A Total of         1684 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           75 Calm Hours Identified

 A Total of         1609 Missing Hours Identified (  3.67 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    1996       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1996       MEOPEN: ADJ_U* Option for Low Winds used in AERMET


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

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APPENDIX 2.2:

RISK CALCULATIONS

AVERAGE EMISSION FACTOR
SCAQMD 2020

Speed	LHD1	MHD	HHD
0	0.339436	0.115561	0.02581
5	0.027	0.051769	0.04265
25	0.01013	0.035976	0.02399

Speed	**Weighted Average Emissions**
0	**0.10142**
5	**0.04169**
25	**0.02395**

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 Planning Area 1	121			0.1014	6.62	7.657E-05
On-Site Idling Planning Area 1A	121			0.1014	6.62	7.657E-05
On-Site Idling Planning Area 2	44			0.1014	2.43	2.812E-05
On-Site Idling Planning Area 2A	44			0.1014	2.43	2.812E-05
On-Site Idling Planning Area 3	37			0.1014	2.05	2.367E-05
On-Site Idling Planning Area 3A	37			0.1014	2.05	2.367E-05
On-Site Travel Planning Area 1	482	345.98	0.0417		22.60	2.616E-04
On-Site Travel Planning Area 2	177	23.77	0.0417		1.55	1.797E-05
On-Site Travel Planning Area 3	149	21.18	0.0417		1.38	1.602E-05
Internal Roadway 55%	444	121.11	0.0239		3.85	4.462E-05
Off-Site Travel 47%	380	193.66	0.0239		6.16	7.134E-05
Off-Site Travel 50%	404	93.64	0.0239		2.98	3.449E-05
Off-Site Travel 2%	16	7.76	0.0239		5.50	6.363E-05
Off-Site Travel 1%	8	7.35	0.0239		0.23	2.708E-06
Off-Site Travel 1%	8	8.92	0.0239		0.28	3.285E-06
Off-Site Travel 1%	8	6.64	0.0239		0.21	2.445E-06

Idling / TRU Unmitigated

Emission Factor:			
TRU EF	0.02	g/bhp-hr	Year 2020 EF
TRU HP	34	HP	
TRU Load Factor	0.53		
TRU EF @34 HP and 0.53 LF	0.3604	g/idle-hr	

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)
	0.00104	1.04E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.6E-07	1.9E-07	5.0E+00	1.4E-03	2.1E-04							
TOTAL								1.9E-07			2.1E-04	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))	758
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)
	0.00104	1.04E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.7E-07	2.6E-07	5.0E+00	1.4E-03	2.1E-04							
TOTAL								2.6E-07			2.1E-04	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)
	0.00104	1.04E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.6E-07	4.0E-08	5.0E+00	1.4E-03	2.1E-04							
TOTAL								4.0E-08			2.1E-04	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))	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) 0.50

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	6.45E-03	6.45E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-06	4.3E-07	5.0E+00	1.4E-03	1.3E-03							
	TOTAL								4.4E-07			1.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.44										

** 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)	240
exposure duration (years)	25
inhalation rate (L/kg-day))	271
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	2.80E-04	2.80E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.9E-08	3.2E-08	5.0E+00	1.4E-03	5.6E-05							
	TOTAL								5.3E-08			9.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.05										

** 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