IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF PERRIS

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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	IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project
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 Health Risk Assessment (HRA) evaluates the potential mobile source health risk impacts to sensitive receptors (residential, schools) and adjacent workers associated with the development of the *IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project*, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

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

Residential Exposure Scenario:

The residential location with the greatest potential exposure to Project DPM source emissions is located approximately 110 feet[1] south of the Rider 2 and represents an existing non-conforming residence within a light industrial-designated land use. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.34 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.003, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other residential receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the west of Rider 4. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 1.19 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.004, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

[1] For purposes of the HRA it is appropriate to place the modeled receptor at the actual building façade, or where an individual would have the propensity to stay for a long-term duration over a 30-year exposure scenario. The AQIA evaluates potential impacts from localized emissions over 1, 8, and 24-hour periods and therefore uses a different distance of measuring to the property line, which results in a different distance of 50 feet. The HRA appropriately evaluates the potential impacts that could occur at a residential occupancy based on where an individual could reasonably remain over the course of 30 years.

The school site land use with the greatest potential exposure to Project DPM source emissions located at the May Ranch Elementary School located more than 2,000 feet east 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 0.22 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 0.0004, 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.

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	7.34	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	1.19	10	NO
9 Year Exposure	Maximum Exposed School Child	0.22	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.003	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.004	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.0004	1.0	NO

1 INTRODUCTION

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

The SCAQMD reviewed the conceptual site plan for the proposed Project and provided input to the City on the scope of the air quality analysis (SCAQMD comment letter on the Notice of Preparation, letter dated November 5, 2019). SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

The SCAQMD 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 SAQMD 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 Project site is located in the City of Perris on the northeast corner of Redlands Avenue and Rider Street in the PVCC SP area, as shown on Exhibit 1-A. The March Air Reserve Base/Inland Port Airport (MARB/IPA) is located approximately 2 to 2.5 miles northwest of the Project site, and the Interstate 215 (I-215) Freeway is located roughly 1.8 miles west of the Project site.

Existing land uses in the Project study area include an existing recreational vehicle (RV) park use to the north on the southwest corner of Redlands Avenue and Ramona Expressway; Morgan Park and residential homes located northeast, east, and south of the Project site across the PVSD Channel; and industrial uses located west of the Project site within areas defined by the PVCC SP and City of Perris Zoning Map as light industrial-designated land use (LI) (3) (4).

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of two High-Cube Transload Short-Term Storage Warehouse (without cold storage) buildings totaling approximately 1,373,449 square feet (sf) (Rider 2 is to consist of approximately 806,351 sf and Rider 4 is to consist of approximately 567,098 sf) of High-Cube Transload Short-Term Storage Warehouse (without cold storage) and the development and subsequent operations and maintenance of improvements to the PVSD Channel. At the time this HRA was prepared, Rider 2 was proposed to consist of 806,351 sf and Rider 4 was proposed to consist of 567,098 sf of High-Cube Transload and Short-Term Storage Warehouse use (without cold storage). However, the current site plan shows 804,759 sf for Rider 2 and 547,977 sf for Rider 4. The higher square footages for Rider 2 and Rider 4 have been evaluated for the purposes of this HRA in order to account for any minor changes that may occur to the building area as part of the final design. Exhibit 1-B shows the Project site plan.

At the time this HRA was prepared the future tenants of the proposed Project were unknown. To present the potential worst-case conditions, this analysis assumes the Project would be operated 24 hours per day, seven days per week. It is expected that the Project business operations would primarily be conducted within the enclosed buildings, except for traffic movement, parking, as well as loading and unloading of trucks at designated loading bays. This HRA is intended to describe emission impacts associated with the expected typical industrial warehouse activities at the Project site. At the time of this analysis, no cold storage was planned at the Project site, and is therefore not analyzed in this report.

According to the *IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Traffic Impact Analysis* (TIA) prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 1,926 two-way vehicular trips per day (963 inbound and 963 outbound) (5). The Project trip generation includes 1,304 two-way passenger car trips per day (652 inbound and 652 outbound) and 622 two-way truck trips per day (311 inbound and 311 outbound) from the proposed buildings within the Project site. This HRA evaluates the potential impacts resulting from diesel exhaust from the 622 two-way truck trips generated by the Project.

EXHIBIT 1-A: LOCATION MAP

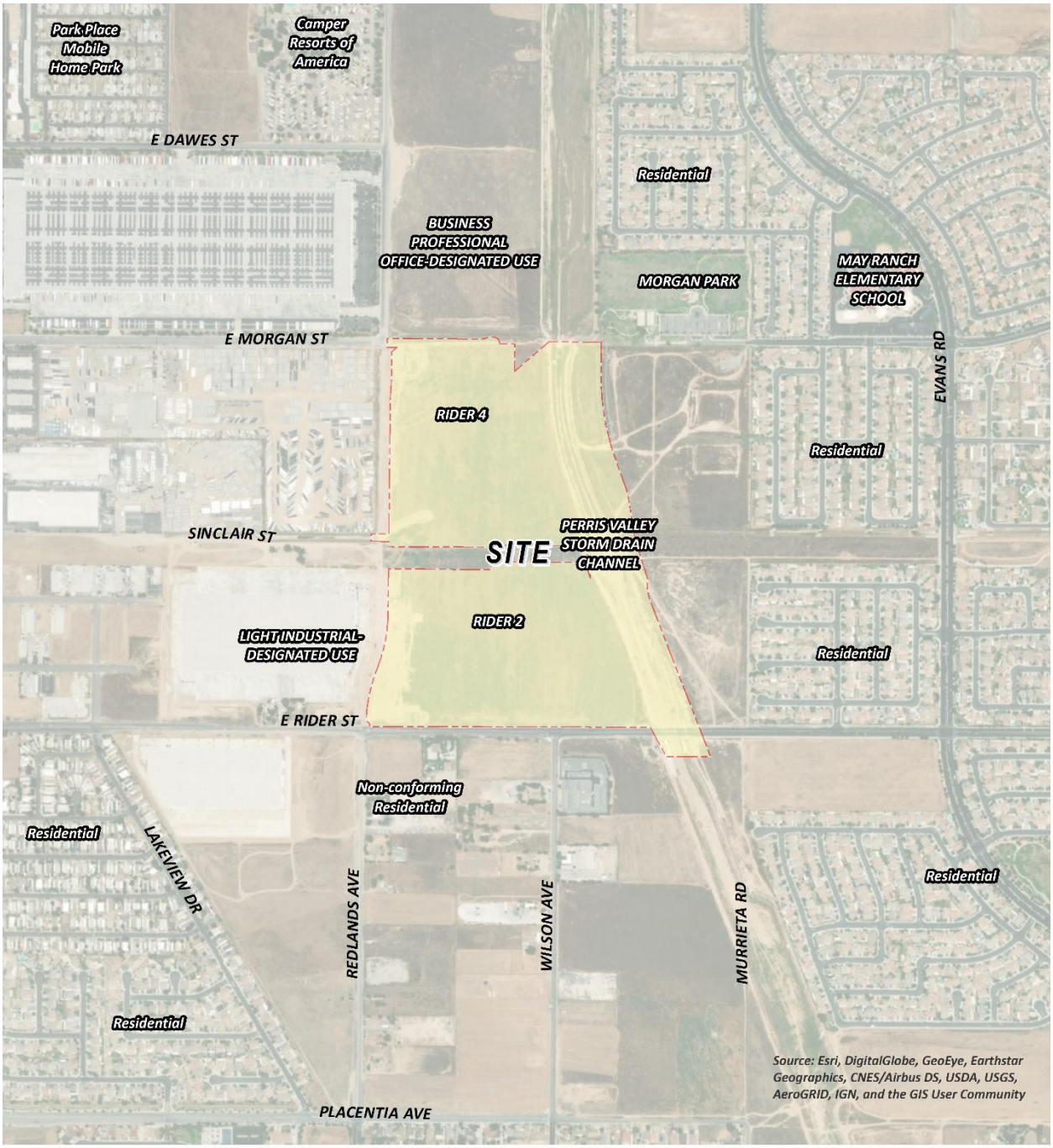
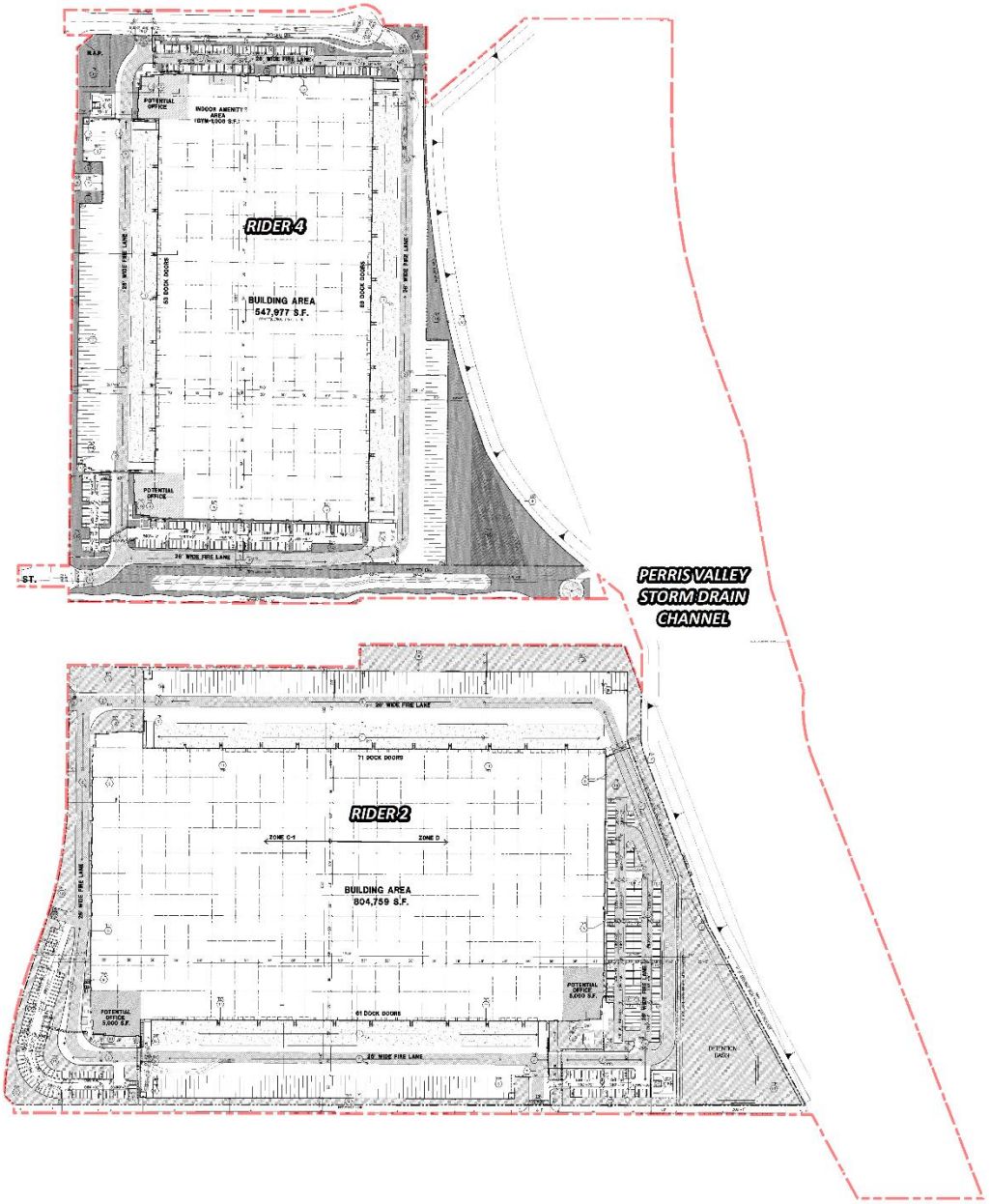


EXHIBIT 1-B: SITE PLAN



2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health 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 because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[2] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2017 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB 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 (6). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

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

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the 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

[2] 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.

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 2021 EMFAC 2017 run was conducted and a static 2021 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2021 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 into vehicles after 2021. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 47.72% diesel, Medium-Heavy-Duty Trucks are comprised of 82.28% diesel, and Heavy-Heavy-Duty Trucks are comprised of 96.13% diesel. Thus. Tricks fueled by diesel are accounted for by these percentages 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 (6):

$Emissions_{speedA}$ (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 assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$Emissions_{idle}$ (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: 2021 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.12133 (g/idle-hr)
5	0.09847 (g/s)
25	0.04028 (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) (5). 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 2 miles. This modeling domain is 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 (8) (in the case of the Project this is the on-site idling, travel, and on-site equipment).

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (9), 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.

Based on the TIA the Project is expected to generate a total of approximately 621 two-way truck trips per day, including 105 2-axle (LHD), 128 3-axle (MHD), and 388 4+-axle (HHD) two-way truck trips per day (5).

EXHIBIT 2-A: MODELED EMISSION SOURCES

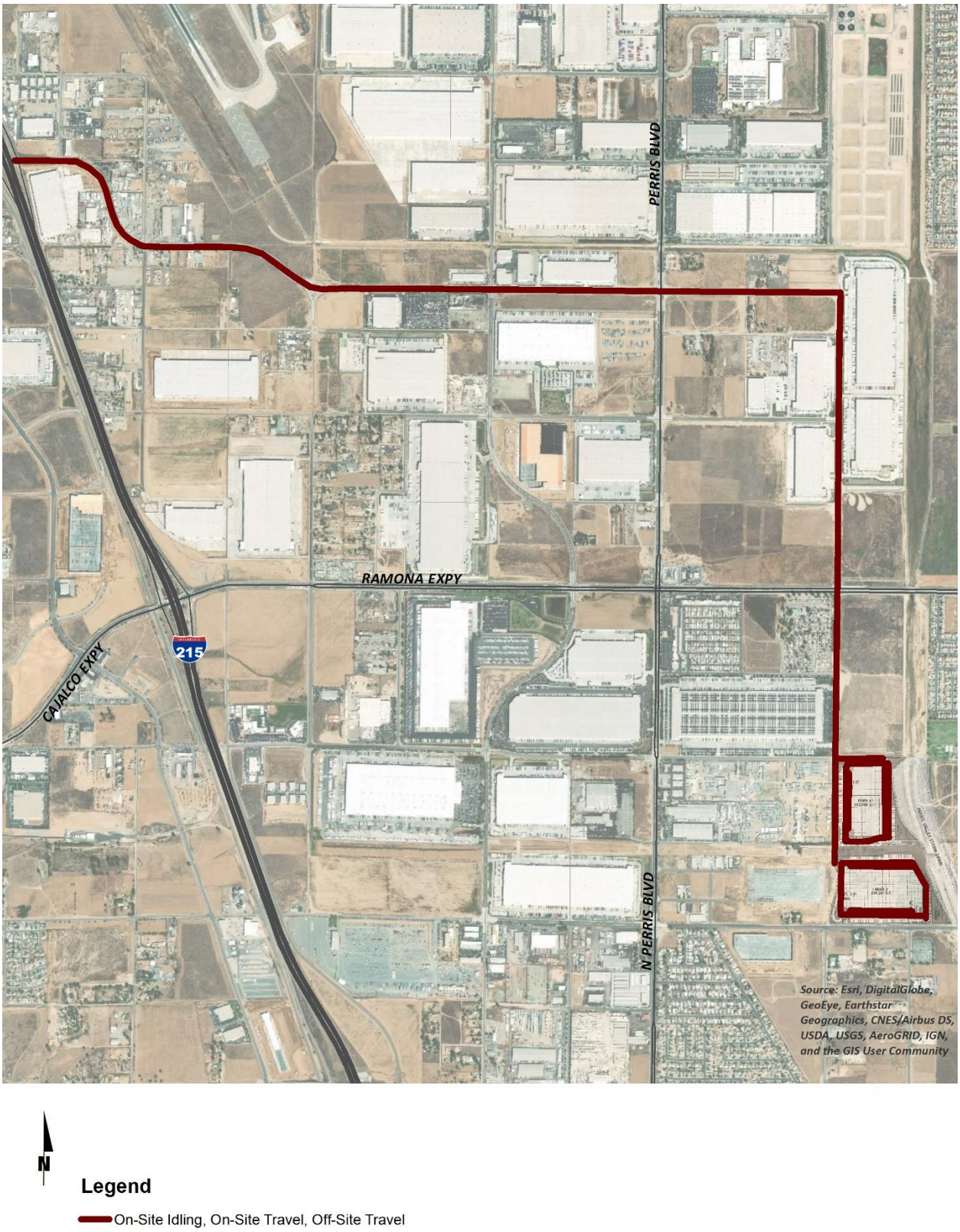


TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2021 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Rider 4 (West Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 4 (East Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 2 (West Side)	93			0.1213	2.83	3.270E-05
On-Site Idling Rider 2 (East Side)	93			0.1213	2.83	3.270E-05
On-Site Travel Rider 4	248	172.36	0.0985		16.97	1.964E-04
On-Site Travel Rider 2	373	292.02	0.0985		28.76	3.328E-04
Off-Site Travel 100% Inbound/Outbound	621	2476.18	0.0403		99.75	1.154E-03
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.82	0.0403		2.29	2.649E-05
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.85	0.0403		2.29	2.651E-05
Off-Site Travel 20% Outbound Rider 4	62	11.39	0.0403		0.46	5.313E-06
Off-Site Travel 15% Inbound/Outbound Rider 4	93	21.74	0.0403		0.88	1.014E-05
Off-Site Travel 25% Inbound Rider 4	78	10.16	0.0403		0.41	4.738E-06
Off-Site Travel 5% Outbound Rider 4	16	2.03	0.0403		0.08	9.477E-07

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

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

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

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 9.7.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 19191 (10).

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 modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD required model parameters are presented in Table 2-3 (11). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (12). A wind rose exhibit of the Perris monitoring station is provided at Exhibit 2-B.

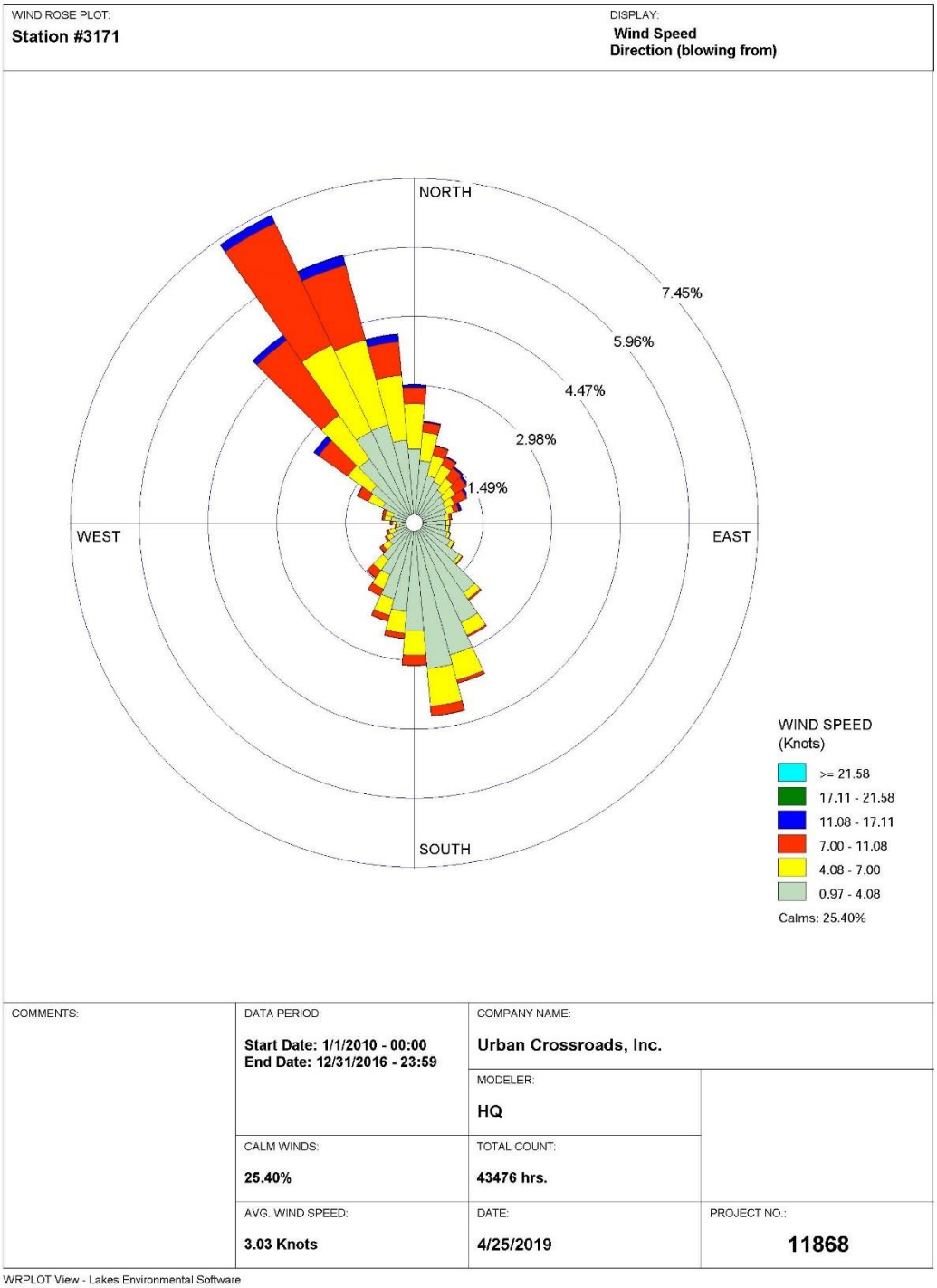
TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient	Urban
Population	2,189,641
Terrain	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

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

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. 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 residents and workers over a period of 30 or 25 years of exposure, respectively. As such, even though 30 or 25 years of outdoor exposure is unlikely to occur in practical terms (because of the amount of time spent indoors), this study assumes that a resident

EXHIBIT 2-B: WIND ROSE (SRA 24)



would be exposed over 30 years for 24-hours per day at the exterior of the structure where they reside and that a worker would be exposed over 25 years for 12-hours per day at the exterior of the property where they work, positioned on the property line closest to the Project site. Similarly, the HRA evaluates the potential health risks to school children and assumes a school child would be exposed over 9 years for 12-hours per day at the exterior of the school site(s) considered in this analysis.

Any impacts to residents or workers located further away from the Project site than the modeled residential and worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW. Consistent with SCAQMD modeling guidance, all receptors were set to the elevation so that only ground-level concentrations are analyzed (13).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines (14). Tables 2-4 through 2-6 summarize the Exposure Parameters for Residents, Offsite Worker, and School exposure scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

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

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

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

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

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

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

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

2.4 CARCINOGENIC CHEMICAL RISK

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

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

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

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

Where:

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

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

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

A = inhalation absorption factor

EF = exposure frequency (days/365 days)

BW = body weight (kg)

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

RISKair = DOSEair x CPF x ED/AT

Where:

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

CPF = cancer potency factor

ED = number of years within particular age group

AT = averaging time

2.5 NON-CARCINOGENIC EXPOSURES

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

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

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

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

Where:

HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.

C_{DPM} = Annual average DPM concentration ($\mu g/m^3$).

REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration

at which no adverse health effects are anticipated.

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

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS[3]

Residential Exposure Scenario:

The residential location with the greatest potential exposure to Project DPM source emissions is located approximately 110 feet[4] south of the Rider 2 and represents an existing non-conforming residence within a light industrial-designated land use. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.34 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.003, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other residential receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent 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 DPM source emissions is located immediately adjacent to the west of Rider 4. At the MEIW, the maximum incremental cancer risk impact at this location is 1.19 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.004, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. 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.

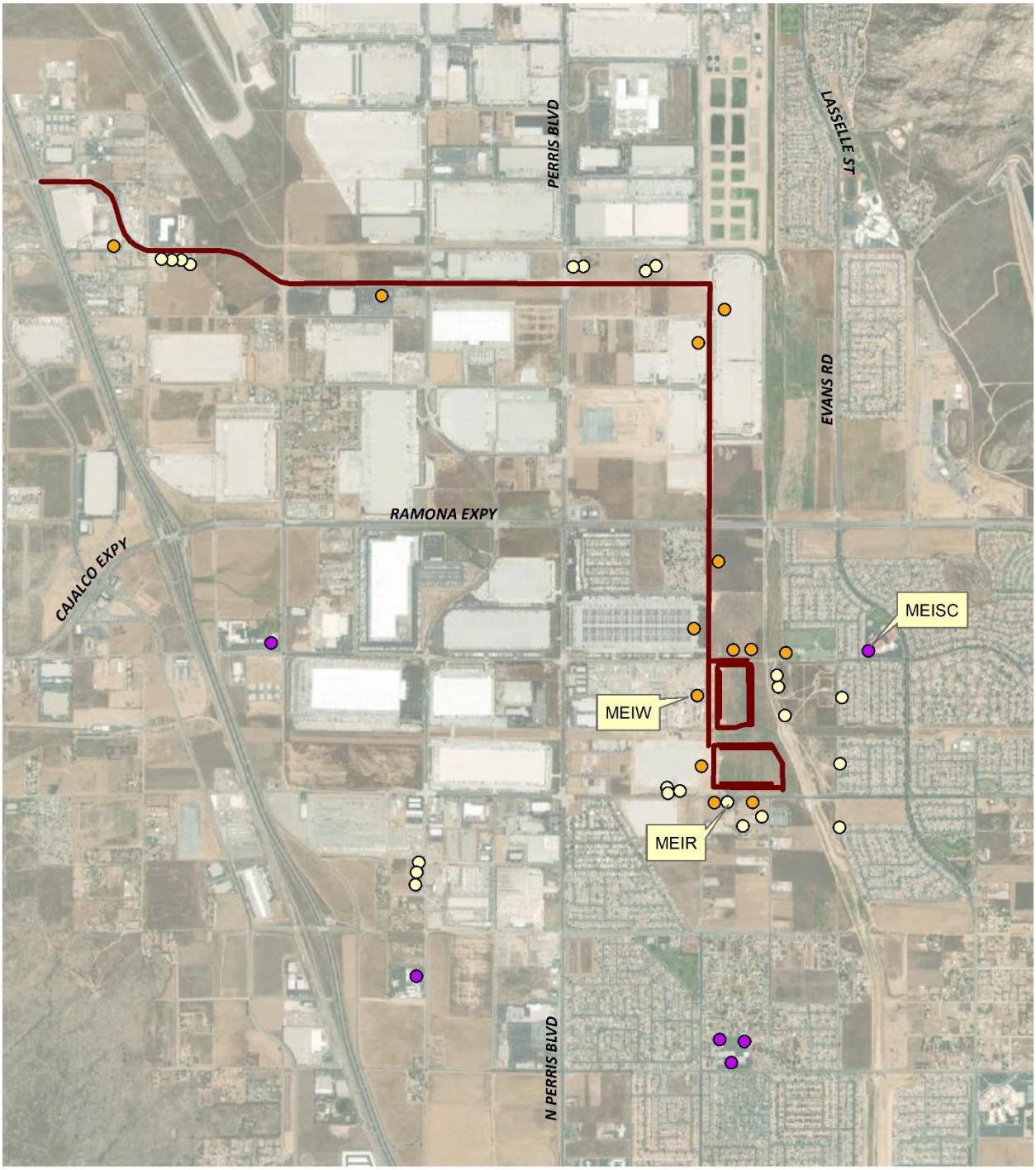
3 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate 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.

4 For purposes of the HRA it is appropriate to place the modeled receptor at the actual building façade, or where an individual would have the propensity to stay for a long-term duration over a 30-year exposure scenario. The AQIA evaluates potential impacts from localized emissions over 1, 8, and 24-hour periods and therefore uses a different distance of measuring to the property line, which results in a different distance of 50 feet. The HRA appropriately evaluates the potential impacts that could occur at a residential occupancy based on where an individual could reasonably remain over the course of 30 years.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions located at the May Ranch Elementary School located more than 2,000 feet east of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.22 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 0.0004, 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.

EXHIBIT 2-B: MODELED RECEPTORS



2.7 CUMULATIVE TOXIC AIR CONTAMINANTS (TAC) EMISSIONS IMPACTS

2.7.1 BACKGROUND

There are no state or federal ambient air quality standards applicable to TAC emissions. Preparing a cumulative assessment for TACs is complicated by the fact that site-specific impacts can be far different from average impacts over a larger geographic area. Impacts from TAC emissions are highest closest to sources of TACs, but the sources are often spread over a large area. For example, emissions from diesel engines, the largest source of risk from TACs, are operated on roads, businesses, and construction sites throughout the air basin. Locations where large numbers of TAC sources are concentrated such as freeways, rail yards, and ports may pose a higher level of risk to sensitive receptors near these facilities. Examination of the risk from TACs at national, state, regional, and local levels is useful for providing context, but site-specific evaluation is ultimately necessary to determine existing conditions for development projects.

2.7.2 JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (8).

The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For assessing the cumulative impacts of a new source of TAC emissions associated with a project in combination with existing sources and probable future sources, a project radius is necessary. Assessment of impacts from existing sources within 1,000 feet of the new source in combination with risks and hazards from the new source is recommended. Then, once the location of the maximally impacted receptor is identified for the project, cumulative impacts from other sources within the radius of the project (i.e., not the receptor) are assessed at that location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) (15) addresses sources of hazardous air pollutants near schools and although not directly applicable to this project, this bill further evidences the propriety of considering hazardous emissions sources within a defined 1,000 foot radius. That is, pursuant to the Waters Bill, prior to approving an application for a permit to construct or modify a source which emits hazardous air emissions (i.e. DPM), which source is located within 1,000 feet from the outer boundary of a school site, the air pollution control officer shall prepare a public notice in which the proposed project or modification for which the application for a permit is made is fully described.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential cumulative impacts. This radius is more robust than, and provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

2.7.3 RELATED PROJECTS CONTRIBUTION TO CUMULATIVE TAC IMPACTS

New or proposed potential TAC-generating projects (related projects) in the Study Area could contribute to cumulative TAC impacts.

In consultation with the Lead Agency, related TAC-generating projects located within a one-quarter mile radius of the Project and off-site truck travel routes were identified and are reflected in this cumulative TAC analysis. The related projects listed below were selected based on their propensity to generate TACs that would contribute to, or interact with, TACs generated by the Project. Exhibit 2-C illustrates cumulative projects in the study area and a quarter-mile buffer.

Of the cumulative projects identified in the Project's traffic study, the following projects summarized on Table 2-7 have the potential to emit TACs and are located within the quarter-mile buffer of the Project site and primary truck routes.

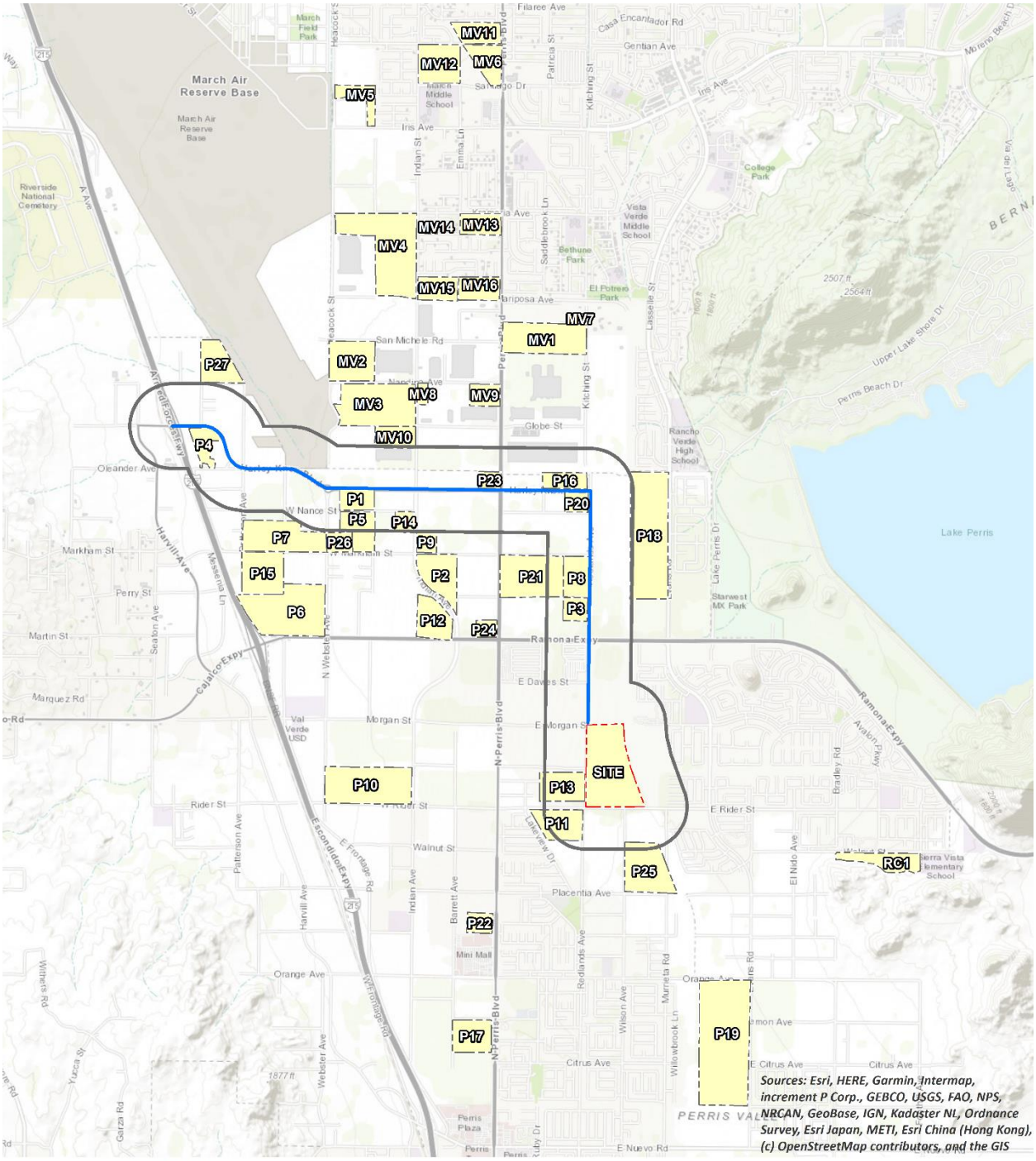
TABLE 2-7: CUMULATIVE DEVELOPMENT LAND USES WITHIN ¼ MILE WITH POTENTIAL TO EMIT TACS

No.	Project Name / Case Number	Jurisdiction	Land Use	Quantity	Units[1]	Risk Per Million[2]
P1	Bargemann / DPR 07-09-0018	Perris	Warehousing	173.000	TSF	--
P3	First Perry / DPR 16-00013	Perris	High-Cube Warehouse	240.000	TSF	1
P4	Gateway / DPR 16-00003	Perris	High-Cube Warehouse	400.000	TSF	9.3
P5	Integra / DPR 14-02-0014	Perris	High-Cube Warehouse	864.000	TSF	4.42
P7	OLC2 / DPR 14-01-0015	Perris	High-Cube Warehouse	1,037.000	TSF	--
P8	Markham East / DPR 05-0477	Perris	High-Cube Warehouse	460.000	TSF	--
P9	Markham Industrial / DPR 16-00015	Perris	Warehousing	170.000	TSF	Not Quantified
P11	Rider 1 / DPR 16-0365	Perris	High-Cube Warehouse	350.000	TSF	--
P13	Rider 3 / DPR 06-0432	Perris	High-Cube Warehouse	640.000	TSF	--
P14	Westcoast Textile / DPR 16-00001	Perris	Warehousing	180.000	TSF	--
P16	Harley Knox Commerce Park / DPR 16-004	Perris	High-Cube Warehouse	386.278	TSF	--
P20	Perris Circle 3	Perris	Warehousing	210.900	TSF	1.64
P21	Duke Realty - Perris & Markham	Perris	High-Cube Warehouse	1,189.860	TSF	9.7
P25	Wilson Industrial / DPR 19-00007	Perris	High-Cube Warehouse	303.000	TSF	--
P26	Integra Expansion / MMOD 17-05075	Perris	High-Cube Warehouse	273.000	TSF	1.42
P27	Western Industrial / DRP 19-00003	Perris	High-Cube Warehouse	250.000	TSF	1.62
MV10	Indian Street Commerce Center	Moreno Valley	High-Cube Warehouse	433.918	TSF	0.26
					Total Estimated Cumulative Risk Based on Available Data	29.36

[1] TSF = Thousand Square Feet

[2] -- = Estimated Risk Value not readily available

EXHIBIT 2-G: CUMULATIVE DEVELOPMENT WITHIN 1/4 MILE OF THE PROJECT AND PRIMARY TRUCK ROUTE



The primary TAC-source emission associated with the cumulative projects would be DPM associated with any truck trips accessing the cumulative projects and traveling on roadways in the study area. As such, the estimated health risks from these cumulative projects has been totaled. The total maximum estimated cancer risk associated with the cumulative projects identified above is estimated to be 29.36 in one million. This estimate is based on based on available published environmental documentation – only known available risk estimates have been presented since it would be too speculative to estimate the risk values for other projects without knowing significant project-related information for each cumulative development. It is important to note that the risk value of 29.36 from related projects is likely a very conservative overstatement of the actual risk that is likely to occur at any given location. As a conservative measure to overstate rather than understate the potential risk impacts this analysis assumes that the maximum impact from each related project overlaps and would occur at the same location in the Project vicinity.

2.7.4 PROJECT MAXIMUM CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Project-source TACs would incrementally increase the cumulative cancer risk by a maximum of 7.34 incidents per million population. 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 7.34 incidents per million population increment resulting from the Project is therefore not significant, nor cumulatively considerable.

2.7.5 CUMULATIVE IMPACTS

The Project's contribution is less than cumulatively considerable because it is less than the 10 in one million incremental cancer risk thresholds established by the SCAQMD. Lastly, it should be noted that although there will be ambient growth in the Project vicinity, any increase in emissions and consequently cancer risk from ambient growth would be offset by the expected decrease in future risk estimates due to the natural turnover of older fleets and equipment being replaced by more efficient, less polluting engines and regulatory actions being phased in.

As noted above at Section 2.7.4, the Project's maximum contribution to cumulative TAC Impacts would not be cumulatively considerable.

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3 REFERENCES

1. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. http://www.aqmd.gov/rules/ciwg/final_white_paper.pdf.
3. **City of Perris.** *Zoning Map.* October 2016.
4. —. *Perris Valley Commerce Center Specific Plan Environmental Impact Report.* July 2011.
5. **Urban Crossroads, Inc.** *IDI Rider 2 and 4 High Cube Warehouse and Perris Valley Storm Drain Channel Improvement Project Traffic Impact Analysis.* 2020.
6. **California Air Resources Board.** EMFAC 2017. [Online] https://www.arb.ca.gov/emfac/2017/.
7. **Urban Crossroads, Inc.** *IDI Rider 2 and 4 High-Cube Warehouse and Perris Valley Storm Drain Channel Improvement Project Traffic Impact Analysis.* 2020.
8. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
9. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
10. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] 2019. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
11. —. User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf.
12. **South Coast Air Quality Management District.** *Air Quality Reporting.* [pdf] Diamond Bar : Sierra Wade Associates, 1999.
13. —. South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance.
14. **Office of Environmental Health Hazard Assessment.** Air Toxics Hot Spots Program. [Online] 2015. https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.
15. **CAL HSC Code 42301.6 California Code - Section 42301.6. *Find Law.* [Online] http://codes.lp.findlaw.com/cacode/HSC/1/d26/4/4/1/s42301.6.**

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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 IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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** LAKES ENVIRONMENTAL SOFTWARE INC.
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** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0000327
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
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** NODES = 2
** 480006.342, 3743635.941, 439.00, 3.49, 4.00
** 480300.257, 3743634.921, 438.07, 3.49, 4.00
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   LOCATION L0002525     VOLUME   480010.636 3743635.926 439.00
   LOCATION L0002526     VOLUME   480019.226 3743635.896 439.00
   LOCATION L0002527     VOLUME   480027.816 3743635.866 439.00
   LOCATION L0002528     VOLUME   480036.406 3743635.836 439.00
   LOCATION L0002529     VOLUME   480044.996 3743635.806 439.00
   LOCATION L0002530     VOLUME   480053.586 3743635.777 439.00
   LOCATION L0002531     VOLUME   480062.176 3743635.747 439.00
   LOCATION L0002532     VOLUME   480070.766 3743635.717 439.00
   LOCATION L0002533     VOLUME   480079.356 3743635.687 439.00
   LOCATION L0002534     VOLUME   480087.946 3743635.657 439.00
   LOCATION L0002535     VOLUME   480096.536 3743635.628 439.00
   LOCATION L0002536     VOLUME   480105.126 3743635.598 439.00
   LOCATION L0002537     VOLUME   480113.716 3743635.568 439.00
   LOCATION L0002538     VOLUME   480122.306 3743635.538 439.00
   LOCATION L0002539     VOLUME   480130.896 3743635.508 439.00
   LOCATION L0002540     VOLUME   480139.486 3743635.479 439.00
   LOCATION L0002541     VOLUME   480148.076 3743635.449 439.00
   LOCATION L0002542     VOLUME   480156.666 3743635.419 439.00
   LOCATION L0002543     VOLUME   480165.256 3743635.389 438.82
   LOCATION L0002544     VOLUME   480173.845 3743635.359 438.54
   LOCATION L0002545     VOLUME   480182.435 3743635.330 438.25
   LOCATION L0002546     VOLUME   480191.025 3743635.300 438.00
   LOCATION L0002547     VOLUME   480199.615 3743635.270 438.00
   LOCATION L0002548     VOLUME   480208.205 3743635.240 438.00
   LOCATION L0002549     VOLUME   480216.795 3743635.210 438.00
   LOCATION L0002550     VOLUME   480225.385 3743635.180 438.00
   LOCATION L0002551     VOLUME   480233.975 3743635.151 438.00
   LOCATION L0002552     VOLUME   480242.565 3743635.121 438.00
   LOCATION L0002553     VOLUME   480251.155 3743635.091 438.00
   LOCATION L0002554     VOLUME   480259.745 3743635.061 438.00
   LOCATION L0002555     VOLUME   480268.335 3743635.031 438.00
   LOCATION L0002556     VOLUME   480276.925 3743635.002 438.00
   LOCATION L0002557     VOLUME   480285.515 3743634.972 438.05
   LOCATION L0002558     VOLUME   480294.105 3743634.942 438.14
** END OF LINE VOLUME SOURCE ID = SLINE3
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE4
** DESCRSRC ON-SITE IDLING RIDER 2 (SOUTH SIDE)
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0000327
** VERTICAL DIMENSION = 6.99
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** SZINIT = 3.25
** NODES = 2
** 480005.868, 3743425.987, 439.00, 3.49, 4.00
** 480299.783, 3743424.967, 438.00, 3.49, 4.00
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   LOCATION L0002559     VOLUME   480010.163 3743425.972 439.00
   LOCATION L0002560     VOLUME   480018.752 3743425.942 439.00
   LOCATION L0002561     VOLUME   480027.342 3743425.912 439.00
   LOCATION L0002562     VOLUME   480035.932 3743425.882 439.00
   LOCATION L0002563     VOLUME   480044.522 3743425.853 439.00
   LOCATION L0002564     VOLUME   480053.112 3743425.823 439.00
   LOCATION L0002565     VOLUME   480061.702 3743425.793 439.00
   LOCATION L0002566     VOLUME   480070.292 3743425.763 439.00
   LOCATION L0002567     VOLUME   480078.882 3743425.733 439.00
   LOCATION L0002568     VOLUME   480087.472 3743425.704 439.00
   LOCATION L0002569     VOLUME   480096.062 3743425.674 439.00
   LOCATION L0002570     VOLUME   480104.652 3743425.644 439.00
   LOCATION L0002571     VOLUME   480113.242 3743425.614 439.00
   LOCATION L0002572     VOLUME   480121.832 3743425.584 439.00
   LOCATION L0002573     VOLUME   480130.422 3743425.554 439.00
   LOCATION L0002574     VOLUME   480139.012 3743425.525 439.00
   LOCATION L0002575     VOLUME   480147.602 3743425.495 439.00
   LOCATION L0002576     VOLUME   480156.192 3743425.465 439.00
   LOCATION L0002577     VOLUME   480164.782 3743425.435 439.00
   LOCATION L0002578     VOLUME   480173.372 3743425.405 439.00
   LOCATION L0002579     VOLUME   480181.962 3743425.376 439.00
   LOCATION L0002580     VOLUME   480190.551 3743425.346 438.98
   LOCATION L0002581     VOLUME   480199.141 3743425.316 438.69
   LOCATION L0002582     VOLUME   480207.731 3743425.286 438.41
   LOCATION L0002583     VOLUME   480216.321 3743425.256 438.12
   LOCATION L0002584     VOLUME   480224.911 3743425.227 438.00
   LOCATION L0002585     VOLUME   480233.501 3743425.197 438.00
   LOCATION L0002586     VOLUME   480242.091 3743425.167 438.00
   LOCATION L0002587     VOLUME   480250.681 3743425.137 438.00
   LOCATION L0002588     VOLUME   480259.271 3743425.107 438.00
   LOCATION L0002589     VOLUME   480267.861 3743425.078 438.00
   LOCATION L0002590     VOLUME   480276.451 3743425.048 438.00
   LOCATION L0002591     VOLUME   480285.041 3743425.018 438.00
   LOCATION L0002592     VOLUME   480293.631 3743424.988 438.00
** END OF LINE VOLUME SOURCE ID = SLINE4
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC ON-SITE TRAVEL RIDER 4
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0001964
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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 15
** 479992.830, 3744122.413, 440.00, 3.49, 4.00
** 480180.237, 3744124.501, 439.00, 3.49, 4.00
** 480182.586, 3744118.497, 439.00, 3.49, 4.00
** 480183.630, 3744109.362, 439.00, 3.49, 4.00
** 480185.457, 3743780.747, 439.00, 3.49, 4.00
** 480186.762, 3743772.656, 439.00, 3.49, 4.00
** 480159.617, 3743771.873, 439.00, 3.49, 4.00
** 480145.000, 3743770.829, 439.00, 3.49, 4.00
** 480123.858, 3743766.653, 439.00, 3.49, 4.00
** 480093.320, 3743755.429, 439.00, 3.49, 4.00
** 480036.158, 3743752.558, 439.00, 3.49, 4.00
** 479981.442, 3743754.124, 439.05, 3.49, 4.00
** 479982.732, 3744072.877, 440.00, 3.49, 4.00
** 479982.425, 3744104.198, 440.00, 3.49, 4.00
** 479990.102, 3744121.395, 440.00, 3.49, 4.00
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   LOCATION L0002593     VOLUME   479997.125 3744122.460 440.00
   LOCATION L0002594     VOLUME   480005.715 3744122.556 440.00
   LOCATION L0002595     VOLUME   480014.304 3744122.652 440.00
   LOCATION L0002596     VOLUME   480022.893 3744122.748 440.00
   LOCATION L0002597     VOLUME   480031.483 3744122.843 440.00
   LOCATION L0002598     VOLUME   480040.072 3744122.939 440.00
   LOCATION L0002599     VOLUME   480048.662 3744123.035 440.00
   LOCATION L0002600     VOLUME   480057.251 3744123.130 440.00
   LOCATION L0002601     VOLUME   480065.841 3744123.226 440.00
   LOCATION L0002602     VOLUME   480074.430 3744123.322 440.00
   LOCATION L0002603     VOLUME   480083.020 3744123.418 440.00
   LOCATION L0002604     VOLUME   480091.609 3744123.513 440.00
   LOCATION L0002605     VOLUME   480100.199 3744123.609 440.00
   LOCATION L0002606     VOLUME   480108.788 3744123.705 439.88
   LOCATION L0002607     VOLUME   480117.378 3744123.800 439.76
   LOCATION L0002608     VOLUME   480125.967 3744123.896 439.65
   LOCATION L0002609     VOLUME   480134.557 3744123.992 439.50
   LOCATION L0002610     VOLUME   480143.146 3744124.087 439.33
   LOCATION L0002611     VOLUME   480151.735 3744124.183 439.16
   LOCATION L0002612     VOLUME   480160.325 3744124.279 439.00
   LOCATION L0002613     VOLUME   480168.914 3744124.375 439.00
   LOCATION L0002614     VOLUME   480177.504 3744124.470 439.00
   LOCATION L0002615     VOLUME   480182.371 3744119.047 439.00
   LOCATION L0002616     VOLUME   480183.495 3744110.549 439.00
   LOCATION L0002617     VOLUME   480183.671 3744101.967 439.00
   LOCATION L0002618     VOLUME   480183.719 3744093.377 439.00
   LOCATION L0002619     VOLUME   480183.767 3744084.787 439.00
   LOCATION L0002620     VOLUME   480183.815 3744076.197 439.00
   LOCATION L0002621     VOLUME   480183.862 3744067.608 439.00
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LOCATION	L0002622	VOLUME	480183.910	3744059.018 439.00
LOCATION	L0002623	VOLUME	480183.958	3744050.428 439.00
LOCATION	L0002624	VOLUME	480184.006	3744041.838 439.00
LOCATION	L0002625	VOLUME	480184.054	3744033.248 439.00
LOCATION	L0002626	VOLUME	480184.101	3744024.658 439.00
LOCATION	L0002627	VOLUME	480184.149	3744016.068 439.00
LOCATION	L0002628	VOLUME	480184.197	3744007.478 439.00
LOCATION	L0002629	VOLUME	480184.245	3743998.889 439.00
LOCATION	L0002630	VOLUME	480184.292	3743990.299 439.00
LOCATION	L0002631	VOLUME	480184.340	3743981.709 439.00
LOCATION	L0002632	VOLUME	480184.388	3743973.119 439.00
LOCATION	L0002633	VOLUME	480184.436	3743964.529 439.00
LOCATION	L0002634	VOLUME	480184.483	3743955.939 439.00
LOCATION	L0002635	VOLUME	480184.531	3743947.349 439.00
LOCATION	L0002636	VOLUME	480184.579	3743938.760 439.00
LOCATION	L0002637	VOLUME	480184.627	3743930.170 439.00
LOCATION	L0002638	VOLUME	480184.674	3743921.580 439.00
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LOCATION	L0002640	VOLUME	480184.770	3743904.400 439.00
LOCATION	L0002641	VOLUME	480184.818	3743895.810 439.00
LOCATION	L0002642	VOLUME	480184.865	3743887.220 439.00
LOCATION	L0002643	VOLUME	480184.913	3743878.630 439.00
LOCATION	L0002644	VOLUME	480184.961	3743870.041 439.00
LOCATION	L0002645	VOLUME	480185.009	3743861.451 439.00
LOCATION	L0002646	VOLUME	480185.056	3743852.861 439.00
LOCATION	L0002647	VOLUME	480185.104	3743844.271 439.00
LOCATION	L0002648	VOLUME	480185.152	3743835.681 439.00
LOCATION	L0002649	VOLUME	480185.200	3743827.091 439.00
LOCATION	L0002650	VOLUME	480185.247	3743818.501 439.00
LOCATION	L0002651	VOLUME	480185.295	3743809.912 439.00
LOCATION	L0002652	VOLUME	480185.343	3743801.322 439.00
LOCATION	L0002653	VOLUME	480185.391	3743792.732 439.00
LOCATION	L0002654	VOLUME	480185.439	3743784.142 439.00
LOCATION	L0002655	VOLUME	480186.285	3743775.618 439.00
LOCATION	L0002656	VOLUME	480181.175	3743772.495 439.00
LOCATION	L0002657	VOLUME	480172.589	3743772.247 439.00
LOCATION	L0002658	VOLUME	480164.002	3743772.000 439.00
LOCATION	L0002659	VOLUME	480155.425	3743771.574 439.00
LOCATION	L0002660	VOLUME	480146.857	3743770.962 439.00
LOCATION	L0002661	VOLUME	480138.399	3743769.525 439.00
LOCATION	L0002662	VOLUME	480129.972	3743767.860 439.00
LOCATION	L0002663	VOLUME	480121.645	3743765.839 439.00
LOCATION	L0002664	VOLUME	480113.582	3743762.876 439.00
LOCATION	L0002665	VOLUME	480105.519	3743759.913 439.00
LOCATION	L0002666	VOLUME	480097.457	3743756.950 439.00
LOCATION	L0002667	VOLUME	480089.142	3743755.219 439.00
LOCATION	L0002668	VOLUME	480080.563	3743754.789 439.00
LOCATION	L0002669	VOLUME	480071.984	3743754.358 439.00

LOCATION	L0002670	VOLUME	480063.405	3743753.927 439.00
LOCATION	L0002671	VOLUME	480054.826	3743753.496 439.00
LOCATION	L0002672	VOLUME	480046.246	3743753.065 439.00
LOCATION	L0002673	VOLUME	480037.667	3743752.634 439.00
LOCATION	L0002674	VOLUME	480029.082	3743752.761 439.00
LOCATION	L0002675	VOLUME	480020.496	3743753.006 439.00
LOCATION	L0002676	VOLUME	480011.909	3743753.252 439.00
LOCATION	L0002677	VOLUME	480003.323	3743753.498 439.00
LOCATION	L0002678	VOLUME	479994.736	3743753.744 439.00
LOCATION	L0002679	VOLUME	479986.150	3743753.990 439.00
LOCATION	L0002680	VOLUME	479981.458	3743758.005 439.00
LOCATION	L0002681	VOLUME	479981.493	3743766.595 439.00
LOCATION	L0002682	VOLUME	479981.528	3743775.185 439.00
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LOCATION	L0002684	VOLUME	479981.597	3743792.365 439.00
LOCATION	L0002685	VOLUME	479981.632	3743800.955 439.00
LOCATION	L0002686	VOLUME	479981.667	3743809.545 439.11
LOCATION	L0002687	VOLUME	479981.701	3743818.134 439.38
LOCATION	L0002688	VOLUME	479981.736	3743826.724 439.65
LOCATION	L0002689	VOLUME	479981.771	3743835.314 439.91
LOCATION	L0002690	VOLUME	479981.806	3743843.904 439.94
LOCATION	L0002691	VOLUME	479981.840	3743852.494 439.94
LOCATION	L0002692	VOLUME	479981.875	3743861.084 439.94
LOCATION	L0002693	VOLUME	479981.910	3743869.674 439.94
LOCATION	L0002694	VOLUME	479981.945	3743878.264 439.96
LOCATION	L0002695	VOLUME	479981.979	3743886.854 439.98
LOCATION	L0002696	VOLUME	479982.014	3743895.444 440.00
LOCATION	L0002697	VOLUME	479982.049	3743904.034 440.00
LOCATION	L0002698	VOLUME	479982.084	3743912.624 440.00
LOCATION	L0002699	VOLUME	479982.118	3743921.214 440.00
LOCATION	L0002700	VOLUME	479982.153	3743929.804 440.00
LOCATION	L0002701	VOLUME	479982.188	3743938.393 440.00
LOCATION	L0002702	VOLUME	479982.223	3743946.983 440.00
LOCATION	L0002703	VOLUME	479982.257	3743955.573 440.00
LOCATION	L0002704	VOLUME	479982.292	3743964.163 440.00
LOCATION	L0002705	VOLUME	479982.327	3743972.753 440.00
LOCATION	L0002706	VOLUME	479982.362	3743981.343 440.00
LOCATION	L0002707	VOLUME	479982.396	3743989.933 440.00
LOCATION	L0002708	VOLUME	479982.431	3743998.523 440.00
LOCATION	L0002709	VOLUME	479982.466	3744007.113 440.00
LOCATION	L0002710	VOLUME	479982.501	3744015.703 440.00
LOCATION	L0002711	VOLUME	479982.535	3744024.293 440.00
LOCATION	L0002712	VOLUME	479982.570	3744032.883 440.00
LOCATION	L0002713	VOLUME	479982.605	3744041.473 440.00
LOCATION	L0002714	VOLUME	479982.640	3744050.063 440.00
LOCATION	L0002715	VOLUME	479982.675	3744058.652 440.00
LOCATION	L0002716	VOLUME	479982.709	3744067.242 440.00
LOCATION	L0002717	VOLUME	479982.703	3744075.832 440.00

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   LOCATION L0002718     VOLUME   479982.619 3744084.422 440.00
   LOCATION L0002719     VOLUME   479982.535 3744093.011 440.00
   LOCATION L0002720     VOLUME   479982.450 3744101.601 440.00
   LOCATION L0002721     VOLUME   479984.868 3744109.670 440.00
   LOCATION L0002722     VOLUME   479988.370 3744117.514 440.00
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
** DESCRSRC ON-SITE TRAVEL RIDER 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0003328
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 8
** 480365.620, 3743390.191, 438.00, 3.49, 4.00
** 480364.038, 3743544.226, 438.00, 3.49, 4.00
** 480299.680, 3743655.005, 438.72, 3.49, 4.00
** 479997.941, 3743651.840, 439.00, 3.49, 4.00
** 479965.199, 3743650.267, 439.05, 3.49, 4.00
** 479961.817, 3743648.914, 439.06, 3.49, 4.00
** 479959.957, 3743405.730, 439.00, 3.49, 4.00
** 480357.709, 3743403.363, 438.00, 3.49, 4.00
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   LOCATION L0002723     VOLUME   480365.576 3743394.486 438.00
   LOCATION L0002724     VOLUME   480365.488 3743403.075 438.00
   LOCATION L0002725     VOLUME   480365.399 3743411.665 438.00
   LOCATION L0002726     VOLUME   480365.311 3743420.254 438.00
   LOCATION L0002727     VOLUME   480365.223 3743428.844 438.00
   LOCATION L0002728     VOLUME   480365.135 3743437.434 438.00
   LOCATION L0002729     VOLUME   480365.046 3743446.023 438.00
   LOCATION L0002730     VOLUME   480364.958 3743454.613 438.00
   LOCATION L0002731     VOLUME   480364.870 3743463.202 438.00
   LOCATION L0002732     VOLUME   480364.782 3743471.792 438.00
   LOCATION L0002733     VOLUME   480364.693 3743480.381 438.00
   LOCATION L0002734     VOLUME   480364.605 3743488.971 438.00
   LOCATION L0002735     VOLUME   480364.517 3743497.560 438.00
   LOCATION L0002736     VOLUME   480364.429 3743506.150 438.00
   LOCATION L0002737     VOLUME   480364.340 3743514.739 438.00
   LOCATION L0002738     VOLUME   480364.252 3743523.329 438.00
   LOCATION L0002739     VOLUME   480364.164 3743531.919 438.00
   LOCATION L0002740     VOLUME   480364.076 3743540.508 438.00
   LOCATION L0002741     VOLUME   480361.590 3743548.439 438.00
   LOCATION L0002742     VOLUME   480357.275 3743555.866 438.00
   LOCATION L0002743     VOLUME   480352.960 3743563.294 438.00
   LOCATION L0002744     VOLUME   480348.645 3743570.721 438.04
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LOCATION	L0002745	VOLUME	480344.330	3743578.149	438.06
LOCATION	L0002746	VOLUME	480340.015	3743585.576	438.00
LOCATION	L0002747	VOLUME	480335.700	3743593.004	438.00
LOCATION	L0002748	VOLUME	480331.385	3743600.431	438.10
LOCATION	L0002749	VOLUME	480327.070	3743607.859	438.22
LOCATION	L0002750	VOLUME	480322.755	3743615.287	438.27
LOCATION	L0002751	VOLUME	480318.440	3743622.714	438.25
LOCATION	L0002752	VOLUME	480314.125	3743630.142	438.25
LOCATION	L0002753	VOLUME	480309.810	3743637.569	438.38
LOCATION	L0002754	VOLUME	480305.495	3743644.997	438.54
LOCATION	L0002755	VOLUME	480301.180	3743652.424	438.62
LOCATION	L0002756	VOLUME	480294.075	3743654.946	438.45
LOCATION	L0002757	VOLUME	480285.485	3743654.856	438.18
LOCATION	L0002758	VOLUME	480276.896	3743654.766	438.00
LOCATION	L0002759	VOLUME	480268.306	3743654.676	438.00
LOCATION	L0002760	VOLUME	480259.717	3743654.585	438.00
LOCATION	L0002761	VOLUME	480251.127	3743654.495	438.00
LOCATION	L0002762	VOLUME	480242.538	3743654.405	438.00
LOCATION	L0002763	VOLUME	480233.948	3743654.315	438.00
LOCATION	L0002764	VOLUME	480225.359	3743654.225	438.00
LOCATION	L0002765	VOLUME	480216.769	3743654.135	438.00
LOCATION	L0002766	VOLUME	480208.180	3743654.045	438.00
LOCATION	L0002767	VOLUME	480199.590	3743653.955	438.00
LOCATION	L0002768	VOLUME	480191.001	3743653.865	438.00
LOCATION	L0002769	VOLUME	480182.411	3743653.775	438.25
LOCATION	L0002770	VOLUME	480173.822	3743653.684	438.54
LOCATION	L0002771	VOLUME	480165.232	3743653.594	438.82
LOCATION	L0002772	VOLUME	480156.643	3743653.504	439.00
LOCATION	L0002773	VOLUME	480148.053	3743653.414	439.00
LOCATION	L0002774	VOLUME	480139.464	3743653.324	439.00
LOCATION	L0002775	VOLUME	480130.874	3743653.234	439.00
LOCATION	L0002776	VOLUME	480122.284	3743653.144	439.00
LOCATION	L0002777	VOLUME	480113.695	3743653.054	439.00
LOCATION	L0002778	VOLUME	480105.105	3743652.964	439.00
LOCATION	L0002779	VOLUME	480096.516	3743652.874	439.00
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LOCATION	L0002781	VOLUME	480079.337	3743652.693	439.00
LOCATION	L0002782	VOLUME	480070.747	3743652.603	439.00
LOCATION	L0002783	VOLUME	480062.158	3743652.513	439.00
LOCATION	L0002784	VOLUME	480053.568	3743652.423	439.00
LOCATION	L0002785	VOLUME	480044.979	3743652.333	439.00
LOCATION	L0002786	VOLUME	480036.389	3743652.243	439.00
LOCATION	L0002787	VOLUME	480027.800	3743652.153	439.00
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LOCATION	L0002790	VOLUME	480002.031	3743651.882	439.00
LOCATION	L0002791	VOLUME	479993.446	3743651.624	439.00
LOCATION	L0002792	VOLUME	479984.866	3743651.212	439.00

LOCATION	L0002793	VOLUME	479976.286	3743650.800 439.00
LOCATION	L0002794	VOLUME	479967.706	3743650.387 439.00
LOCATION	L0002795	VOLUME	479961.798	3743646.477 439.00
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LOCATION	L0002797	VOLUME	479961.667	3743629.297 439.00
LOCATION	L0002798	VOLUME	479961.601	3743620.708 439.00
LOCATION	L0002799	VOLUME	479961.535	3743612.118 439.00
LOCATION	L0002800	VOLUME	479961.470	3743603.528 439.00
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LOCATION	L0002811	VOLUME	479960.747	3743509.041 439.00
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LOCATION	L0002820	VOLUME	479960.156	3743431.733 439.00
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   LOCATION L0002869     VOLUME   480354.856 3743403.380 438.00
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC 100% INBOUND/OUTBOUND
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.001154
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 37
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LOCATION	L0003028	VOLUME	478658.783	3746356.971 446.00
LOCATION	L0003029	VOLUME	478636.783	3746357.031 446.00
LOCATION	L0003030	VOLUME	478614.783	3746357.090 446.00

LOCATION	L0003031	VOLUME	478592.783	3746357.150 446.00
LOCATION	L0003032	VOLUME	478570.783	3746357.209 446.00
LOCATION	L0003033	VOLUME	478548.784	3746357.269 446.00
LOCATION	L0003034	VOLUME	478526.784	3746357.328 446.00
LOCATION	L0003035	VOLUME	478504.784	3746357.388 446.00
LOCATION	L0003036	VOLUME	478482.784	3746357.447 446.00
LOCATION	L0003037	VOLUME	478460.784	3746357.507 446.00
LOCATION	L0003038	VOLUME	478438.784	3746357.566 446.00
LOCATION	L0003039	VOLUME	478416.784	3746357.625 446.00
LOCATION	L0003040	VOLUME	478394.784	3746357.685 446.00
LOCATION	L0003041	VOLUME	478372.784	3746357.744 446.00
LOCATION	L0003042	VOLUME	478350.784	3746357.804 446.00
LOCATION	L0003043	VOLUME	478328.784	3746357.876 446.00
LOCATION	L0003044	VOLUME	478306.785	3746357.967 446.00
LOCATION	L0003045	VOLUME	478284.785	3746358.059 446.50
LOCATION	L0003046	VOLUME	478262.785	3746358.150 447.00
LOCATION	L0003047	VOLUME	478240.785	3746358.241 447.00
LOCATION	L0003048	VOLUME	478218.785	3746358.333 447.00
LOCATION	L0003049	VOLUME	478196.785	3746358.424 447.00
LOCATION	L0003050	VOLUME	478174.786	3746358.515 447.00
LOCATION	L0003051	VOLUME	478152.786	3746358.606 447.00
LOCATION	L0003052	VOLUME	478130.786	3746358.698 447.00
LOCATION	L0003053	VOLUME	478108.786	3746358.789 447.00
LOCATION	L0003054	VOLUME	478086.786	3746358.880 447.00
LOCATION	L0003055	VOLUME	478064.787	3746358.971 447.00
LOCATION	L0003056	VOLUME	478042.787	3746359.063 447.00
LOCATION	L0003057	VOLUME	478020.787	3746359.154 447.00
LOCATION	L0003058	VOLUME	477998.787	3746359.245 447.00
LOCATION	L0003059	VOLUME	477976.788	3746359.296 447.00
LOCATION	L0003060	VOLUME	477954.789	3746359.060 447.05
LOCATION	L0003061	VOLUME	477932.790	3746358.825 447.30
LOCATION	L0003062	VOLUME	477910.791	3746358.589 447.97
LOCATION	L0003063	VOLUME	477888.793	3746358.354 448.00
LOCATION	L0003064	VOLUME	477866.794	3746358.118 448.00
LOCATION	L0003065	VOLUME	477844.795	3746357.883 448.00
LOCATION	L0003066	VOLUME	477822.796	3746357.647 448.00
LOCATION	L0003067	VOLUME	477800.798	3746357.412 448.00
LOCATION	L0003068	VOLUME	477778.799	3746357.176 448.00
LOCATION	L0003069	VOLUME	477756.800	3746356.941 448.00
LOCATION	L0003070	VOLUME	477734.801	3746356.968 448.00
LOCATION	L0003071	VOLUME	477712.801	3746357.081 448.00
LOCATION	L0003072	VOLUME	477690.801	3746357.194 448.00
LOCATION	L0003073	VOLUME	477668.802	3746357.306 448.00
LOCATION	L0003074	VOLUME	477646.802	3746357.419 448.00
LOCATION	L0003075	VOLUME	477624.802	3746357.532 448.50
LOCATION	L0003076	VOLUME	477602.802	3746357.645 449.00
LOCATION	L0003077	VOLUME	477580.805	3746357.570 449.00
LOCATION	L0003078	VOLUME	477558.816	3746356.866 449.00

LOCATION	L0003079	VOLUME	477536.828	3746356.162 449.00
LOCATION	L0003080	VOLUME	477514.839	3746355.459 449.00
LOCATION	L0003081	VOLUME	477492.850	3746354.755 449.04
LOCATION	L0003082	VOLUME	477470.975	3746355.781 449.63
LOCATION	L0003083	VOLUME	477449.265	3746359.345 450.00
LOCATION	L0003084	VOLUME	477427.556	3746362.909 450.00
LOCATION	L0003085	VOLUME	477408.281	3746372.891 450.00
LOCATION	L0003086	VOLUME	477389.671	3746384.623 450.00
LOCATION	L0003087	VOLUME	477371.060	3746396.356 450.00
LOCATION	L0003088	VOLUME	477352.450	3746408.088 450.00
LOCATION	L0003089	VOLUME	477334.274	3746420.466 450.00
LOCATION	L0003090	VOLUME	477316.399	3746433.292 450.00
LOCATION	L0003091	VOLUME	477298.525	3746446.118 450.00
LOCATION	L0003092	VOLUME	477280.650	3746458.943 450.00
LOCATION	L0003093	VOLUME	477262.776	3746471.769 450.00
LOCATION	L0003094	VOLUME	477244.902	3746484.595 450.12
LOCATION	L0003095	VOLUME	477226.959	3746497.324 450.23
LOCATION	L0003096	VOLUME	477208.899	3746509.888 450.37
LOCATION	L0003097	VOLUME	477190.236	3746521.228 450.99
LOCATION	L0003098	VOLUME	477169.268	3746527.886 451.00
LOCATION	L0003099	VOLUME	477148.300	3746534.544 451.00
LOCATION	L0003100	VOLUME	477127.331	3746541.202 451.00
LOCATION	L0003101	VOLUME	477105.658	3746544.401 451.00
LOCATION	L0003102	VOLUME	477083.757	3746546.487 451.00
LOCATION	L0003103	VOLUME	477061.856	3746548.573 451.16
LOCATION	L0003104	VOLUME	477039.925	3746550.122 451.54
LOCATION	L0003105	VOLUME	477017.928	3746550.515 451.87
LOCATION	L0003106	VOLUME	476995.932	3746550.908 452.00
LOCATION	L0003107	VOLUME	476973.935	3746551.107 452.00
LOCATION	L0003108	VOLUME	476951.937	3746550.791 452.00
LOCATION	L0003109	VOLUME	476929.939	3746550.476 452.00
LOCATION	L0003110	VOLUME	476907.942	3746550.160 452.21
LOCATION	L0003111	VOLUME	476885.944	3746549.844 452.60
LOCATION	L0003112	VOLUME	476863.946	3746549.528 452.94
LOCATION	L0003113	VOLUME	476841.948	3746549.213 453.00
LOCATION	L0003114	VOLUME	476819.951	3746548.897 453.00
LOCATION	L0003115	VOLUME	476797.953	3746548.581 453.00
LOCATION	L0003116	VOLUME	476775.955	3746548.265 454.00
LOCATION	L0003117	VOLUME	476753.957	3746547.949 454.00
LOCATION	L0003118	VOLUME	476731.960	3746547.634 454.26
LOCATION	L0003119	VOLUME	476709.972	3746548.310 455.00
LOCATION	L0003120	VOLUME	476687.986	3746549.082 455.00
LOCATION	L0003121	VOLUME	476665.999	3746549.853 455.00
LOCATION	L0003122	VOLUME	476644.002	3746549.998 455.11
LOCATION	L0003123	VOLUME	476622.862	3746554.965 455.34
LOCATION	L0003124	VOLUME	476603.122	3746564.628 455.58
LOCATION	L0003125	VOLUME	476583.537	3746574.648 456.00
LOCATION	L0003126	VOLUME	476564.540	3746585.575 456.00

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   LOCATION L0003127     VOLUME   476547.425 3746599.398 456.00
   LOCATION L0003128     VOLUME   476531.905 3746614.772 456.00
   LOCATION L0003129     VOLUME   476518.573 3746632.271 456.00
   LOCATION L0003130     VOLUME   476505.654 3746649.993 456.00
   LOCATION L0003131     VOLUME   476497.416 3746670.392 456.08
   LOCATION L0003132     VOLUME   476489.178 3746690.791 456.36
   LOCATION L0003133     VOLUME   476481.047 3746711.227 456.63
   LOCATION L0003134     VOLUME   476475.064 3746732.398 456.38
   LOCATION L0003135     VOLUME   476469.081 3746753.569 456.03
   LOCATION L0003136     VOLUME   476463.098 3746774.740 456.22
   LOCATION L0003137     VOLUME   476457.114 3746795.911 456.42
   LOCATION L0003138     VOLUME   476451.131 3746817.081 456.40
   LOCATION L0003139     VOLUME   476442.822 3746837.426 456.00
   LOCATION L0003140     VOLUME   476434.107 3746857.626 456.19
   LOCATION L0003141     VOLUME   476423.491 3746876.445 456.36
   LOCATION L0003142     VOLUME   476406.975 3746890.979 456.25
   LOCATION L0003143     VOLUME   476390.459 3746905.513 456.45
   LOCATION L0003144     VOLUME   476373.582 3746919.506 456.39
   LOCATION L0003145     VOLUME   476353.843 3746929.220 456.78
   LOCATION L0003146     VOLUME   476334.103 3746938.933 456.80
   LOCATION L0003147     VOLUME   476314.363 3746948.646 457.00
   LOCATION L0003148     VOLUME   476292.793 3746950.713 457.00
   LOCATION L0003149     VOLUME   476270.795 3746950.994 457.00
   LOCATION L0003150     VOLUME   476248.797 3746951.274 457.00
   LOCATION L0003151     VOLUME   476226.798 3746951.554 457.02
   LOCATION L0003152     VOLUME   476204.800 3746951.834 457.12
   LOCATION L0003153     VOLUME   476182.802 3746952.114 457.63
   LOCATION L0003154     VOLUME   476160.804 3746952.395 458.00
   LOCATION L0003155     VOLUME   476138.805 3746952.555 458.03
   LOCATION L0003156     VOLUME   476116.805 3746952.555 458.77
   LOCATION L0003157     VOLUME   476094.805 3746952.555 459.00
   LOCATION L0003158     VOLUME   476072.805 3746952.555 459.23
   LOCATION L0003159     VOLUME   476050.805 3746952.555 459.97
   LOCATION L0003160     VOLUME   476028.805 3746952.555 460.00
   LOCATION L0003161     VOLUME   476026.798 3746951.301 460.00
** END OF LINE VOLUME SOURCE ID = SLINE7
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC 30% INBOUND/OUTBOUND RIDER 2
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002649
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 479930.168, 3743649.774, 439.79, 3.49, 10.23
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** 479930.924, 3743765.000, 440.00, 3.49, 10.23
** 479930.924, 3744140.610, 440.00, 3.49, 10.23
** ----------------------------------------------------------------------
   LOCATION L0003291     VOLUME   479930.240 3743660.774 439.66
   LOCATION L0003292     VOLUME   479930.385 3743682.773 439.65
   LOCATION L0003293     VOLUME   479930.529 3743704.773 439.87
   LOCATION L0003294     VOLUME   479930.673 3743726.772 440.00
   LOCATION L0003295     VOLUME   479930.818 3743748.772 440.00
   LOCATION L0003296     VOLUME   479930.924 3743770.771 440.00
   LOCATION L0003297     VOLUME   479930.924 3743792.771 440.00
   LOCATION L0003298     VOLUME   479930.924 3743814.771 440.00
   LOCATION L0003299     VOLUME   479930.924 3743836.771 440.00
   LOCATION L0003300     VOLUME   479930.924 3743858.771 440.00
   LOCATION L0003301     VOLUME   479930.924 3743880.771 440.00
   LOCATION L0003302     VOLUME   479930.924 3743902.771 440.00
   LOCATION L0003303     VOLUME   479930.924 3743924.771 440.00
   LOCATION L0003304     VOLUME   479930.924 3743946.771 440.00
   LOCATION L0003305     VOLUME   479930.924 3743968.771 440.00
   LOCATION L0003306     VOLUME   479930.924 3743990.771 440.00
   LOCATION L0003307     VOLUME   479930.924 3744012.771 440.00
   LOCATION L0003308     VOLUME   479930.924 3744034.771 440.00
   LOCATION L0003309     VOLUME   479930.924 3744056.771 440.00
   LOCATION L0003310     VOLUME   479930.924 3744078.771 440.00
   LOCATION L0003311     VOLUME   479930.924 3744100.771 440.00
   LOCATION L0003312     VOLUME   479930.924 3744122.771 440.00
** END OF LINE VOLUME SOURCE ID = SLINE8
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC 30% INBOUND/OUTBOUND RIDER 2
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002651
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 479930.371, 3743649.552, 439.78, 3.49, 10.23
** 479930.924, 3743765.000, 440.00, 3.49, 10.23
** 479930.924, 3744140.610, 440.00, 3.49, 10.23
** ----------------------------------------------------------------------
   LOCATION L0003523     VOLUME   479930.424 3743660.552 439.65
   LOCATION L0003524     VOLUME   479930.529 3743682.552 439.65
   LOCATION L0003525     VOLUME   479930.635 3743704.551 439.86
   LOCATION L0003526     VOLUME   479930.740 3743726.551 440.00
   LOCATION L0003527     VOLUME   479930.845 3743748.551 440.00
   LOCATION L0003528     VOLUME   479930.924 3743770.551 440.00
   LOCATION L0003529     VOLUME   479930.924 3743792.551 440.00
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   LOCATION L0003530     VOLUME   479930.924 3743814.551 440.00
   LOCATION L0003531     VOLUME   479930.924 3743836.551 440.00
   LOCATION L0003532     VOLUME   479930.924 3743858.551 440.00
   LOCATION L0003533     VOLUME   479930.924 3743880.551 440.00
   LOCATION L0003534     VOLUME   479930.924 3743902.551 440.00
   LOCATION L0003535     VOLUME   479930.924 3743924.551 440.00
   LOCATION L0003536     VOLUME   479930.924 3743946.551 440.00
   LOCATION L0003537     VOLUME   479930.924 3743968.551 440.00
   LOCATION L0003538     VOLUME   479930.924 3743990.551 440.00
   LOCATION L0003539     VOLUME   479930.924 3744012.551 440.00
   LOCATION L0003540     VOLUME   479930.924 3744034.551 440.00
   LOCATION L0003541     VOLUME   479930.924 3744056.551 440.00
   LOCATION L0003542     VOLUME   479930.924 3744078.551 440.00
   LOCATION L0003543     VOLUME   479930.924 3744100.551 440.00
   LOCATION L0003544     VOLUME   479930.924 3744122.551 440.00
** END OF LINE VOLUME SOURCE ID = SLINE9
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE12
** DESCRSRC 20% OUTBOUND RIDER 4
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.313E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 479932.105, 3743845.305, 440.00, 3.49, 10.23
** 479930.924, 3744140.610, 440.00, 3.49, 10.23
** ----------------------------------------------------------------------
   LOCATION L0003545     VOLUME   479932.061 3743856.305 440.00
   LOCATION L0003546     VOLUME   479931.973 3743878.305 440.00
   LOCATION L0003547     VOLUME   479931.885 3743900.305 440.00
   LOCATION L0003548     VOLUME   479931.797 3743922.305 440.00
   LOCATION L0003549     VOLUME   479931.709 3743944.304 440.00
   LOCATION L0003550     VOLUME   479931.621 3743966.304 440.00
   LOCATION L0003551     VOLUME   479931.533 3743988.304 440.00
   LOCATION L0003552     VOLUME   479931.445 3744010.304 440.00
   LOCATION L0003553     VOLUME   479931.357 3744032.304 440.00
   LOCATION L0003554     VOLUME   479931.269 3744054.304 440.00
   LOCATION L0003555     VOLUME   479931.181 3744076.303 440.00
   LOCATION L0003556     VOLUME   479931.093 3744098.303 440.00
   LOCATION L0003557     VOLUME   479931.005 3744120.303 440.00
** END OF LINE VOLUME SOURCE ID = SLINE12
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE13
** DESCRSRC 15% INBOUND/OUTBOUND RIDER 4
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** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001014
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 479930.924, 3743765.000, 440.00, 3.49, 10.23
** 479930.924, 3744140.610, 440.00, 3.49, 10.23
** ----------------------------------------------------------------
   LOCATION L0003558     VOLUME   479930.924 3743776.000 440.00
   LOCATION L0003559     VOLUME   479930.924 3743798.000 440.00
   LOCATION L0003560     VOLUME   479930.924 3743820.000 440.00
   LOCATION L0003561     VOLUME   479930.924 3743842.000 440.00
   LOCATION L0003562     VOLUME   479930.924 3743864.000 440.00
   LOCATION L0003563     VOLUME   479930.924 3743886.000 440.00
   LOCATION L0003564     VOLUME   479930.924 3743908.000 440.00
   LOCATION L0003565     VOLUME   479930.924 3743930.000 440.00
   LOCATION L0003566     VOLUME   479930.924 3743952.000 440.00
   LOCATION L0003567     VOLUME   479930.924 3743974.000 440.00
   LOCATION L0003568     VOLUME   479930.924 3743996.000 440.00
   LOCATION L0003569     VOLUME   479930.924 3744018.000 440.00
   LOCATION L0003570     VOLUME   479930.924 3744040.000 440.00
   LOCATION L0003571     VOLUME   479930.924 3744062.000 440.00
   LOCATION L0003572     VOLUME   479930.924 3744084.000 440.00
   LOCATION L0003573     VOLUME   479930.924 3744106.000 440.00
   LOCATION L0003574     VOLUME   479930.924 3744128.000 440.00
** END OF LINE VOLUME SOURCE ID = SLINE13
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE10
** DESCRSRC 25% INBOUND RIDER 4
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 4.738E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 480156.835, 3744148.224, 439.13, 3.49, 10.23
** 479946.104, 3744145.665, 440.00, 3.49, 10.23
** ----------------------------------------------------------------
   LOCATION L0003271     VOLUME   480145.836 3744148.091 439.68
   LOCATION L0003272     VOLUME   480123.837 3744147.823 440.00
   LOCATION L0003273     VOLUME   480101.839 3744147.556 440.00
   LOCATION L0003274     VOLUME   480079.841 3744147.289 440.00
   LOCATION L0003275     VOLUME   480057.842 3744147.022 440.00
   LOCATION L0003276     VOLUME   480035.844 3744146.755 440.00
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   LOCATION L0003277     VOLUME   480013.845 3744146.488 440.00
   LOCATION L0003278     VOLUME   479991.847 3744146.220 440.00
   LOCATION L0003279     VOLUME   479969.849 3744145.953 440.00
   LOCATION L0003280     VOLUME   479947.850 3744145.686 440.00
** END OF LINE VOLUME SOURCE ID = SLINE10
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE11
** DESCRSRC 5% OUTBOUND RIDER 4
** PREFIX
** LENGTH OF SIDE = 22.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 9.477E-07
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 480156.835, 3744148.224, 439.13, 3.49, 10.23
** 479946.104, 3744145.665, 440.00, 3.49, 10.23
** ----------------------------------------------------------------------
   LOCATION L0003281     VOLUME   480145.836 3744148.091 439.68
   LOCATION L0003282     VOLUME   480123.837 3744147.823 440.00
   LOCATION L0003283     VOLUME   480101.839 3744147.556 440.00
   LOCATION L0003284     VOLUME   480079.841 3744147.289 440.00
   LOCATION L0003285     VOLUME   480057.842 3744147.022 440.00
   LOCATION L0003286     VOLUME   480035.844 3744146.755 440.00
   LOCATION L0003287     VOLUME   480013.845 3744146.488 440.00
   LOCATION L0003288     VOLUME   479991.847 3744146.220 440.00
   LOCATION L0003289     VOLUME   479969.849 3744145.953 440.00
   LOCATION L0003290     VOLUME   479947.850 3744145.686 440.00
** END OF LINE VOLUME SOURCE ID = SLINE11
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0002458     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002459     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002460     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002461     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002462     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002463     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002464     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002465     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002466     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002467     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002468     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002469     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002470     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002471     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002472     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002473     0.0000007032      3.49      4.00      3.25
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   SRCPARAM L0002474     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002475     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002476     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002477     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002478     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002479     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002480     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002481     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002482     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002483     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002484     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002485     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002486     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002487     0.0000007032      3.49      4.00      3.25
   SRCPARAM L0002488     0.0000007032      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE2
   SRCPARAM L0002489     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002490     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002491     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002492     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002493     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002494     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002495     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002496     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002497     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002498     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002499     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002500     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002501     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002502     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002503     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002504     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002505     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002506     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002507     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002508     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002509     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002510     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002511     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002512     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002513     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002514     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002515     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002516     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002517     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002518     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002519     0.0000006056      3.49      4.00      3.25
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   SRCPARAM L0002520     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002521     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002522     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002523     0.0000006056      3.49      4.00      3.25
   SRCPARAM L0002524     0.0000006056      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE3
   SRCPARAM L0002525     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002526     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002527     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002528     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002529     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002530     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002531     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002532     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002533     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002534     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002535     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002536     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002537     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002538     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002539     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002540     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002541     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002542     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002543     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002544     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002545     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002546     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002547     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002548     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002549     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002550     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002551     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002552     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002553     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002554     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002555     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002556     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002557     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002558     0.0000009618      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE4
   SRCPARAM L0002559     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002560     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002561     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002562     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002563     0.0000009618      3.49      4.00      3.25
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   SRCPARAM L0002564     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002565     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002566     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002567     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002568     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002569     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002570     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002571     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002572     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002573     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002574     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002575     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002576     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002577     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002578     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002579     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002580     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002581     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002582     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002583     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002584     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002585     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002586     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002587     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002588     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002589     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002590     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002591     0.0000009618      3.49      4.00      3.25
   SRCPARAM L0002592     0.0000009618      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0002593     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002594     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002595     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002596     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002597     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002598     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002599     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002600     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002601     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002602     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002603     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002604     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002605     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002606     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002607     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002608     0.000001511       3.49      4.00      3.25
   SRCPARAM L0002609     0.000001511       3.49      4.00      3.25
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SRCPARAM	L0002610	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002611	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002612	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002613	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002614	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002615	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002616	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002617	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002618	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002619	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002620	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002621	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002622	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002623	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002624	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002625	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002626	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002627	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002628	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002629	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002630	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002631	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002632	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002633	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002634	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002635	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002636	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002637	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002638	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002639	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002640	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002641	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002642	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002643	0.000001511	3.49	4.00	3.25
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SRCPARAM	L0002647	0.000001511	3.49	4.00	3.25
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SRCPARAM	L0002649	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002650	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002651	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002652	0.000001511	3.49	4.00	3.25
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SRCPARAM	L0002654	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002655	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002656	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002657	0.000001511	3.49	4.00	3.25

SRCPARAM	L0002658	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002659	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002660	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002661	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002662	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002663	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002664	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002665	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002666	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002667	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002668	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002669	0.000001511	3.49	4.00	3.25
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SRCPARAM	L0002671	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002672	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002673	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002674	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002675	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002676	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002677	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002678	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002679	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002680	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002681	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002682	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002683	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002684	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002685	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002686	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002687	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002688	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002689	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002690	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002691	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002692	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002693	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002694	0.000001511	3.49	4.00	3.25
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SRCPARAM	L0002696	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002697	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002698	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002699	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002700	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002701	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002702	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002703	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002704	0.000001511	3.49	4.00	3.25
SRCPARAM	L0002705	0.000001511	3.49	4.00	3.25

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   SRCPARAM L0002706     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002707     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002708     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002709     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002710     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002711     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002712     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002713     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002714     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002715     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002716     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002717     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002718     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002719     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002720     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002721     0.000001511      3.49      4.00      3.25
   SRCPARAM L0002722     0.000001511      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0002723     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002724     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002725     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002726     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002727     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002728     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002729     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002730     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002731     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002732     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002733     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002734     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002735     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002736     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002737     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002738     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002739     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002740     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002741     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002742     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002743     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002744     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002745     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002746     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002747     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002748     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002749     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002750     0.000002264      3.49      4.00      3.25
   SRCPARAM L0002751     0.000002264      3.49      4.00      3.25
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SRCPARAM	L0002752	0.000002264	3.49	4.00	3.25
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SRCPARAM	L0003035	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003036	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003037	0.000003952	3.49	10.23	3.25

SRCPARAM	L0003038	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003039	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003040	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003041	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003042	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003043	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003044	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003045	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003046	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003047	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003048	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003049	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003050	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003051	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003052	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003053	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003054	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003055	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003056	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003057	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003058	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003059	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003060	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003061	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003062	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003063	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003067	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003071	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003075	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003076	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003077	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003078	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003079	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003080	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003081	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003082	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003083	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003084	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003085	0.000003952	3.49	10.23	3.25

SRCPARAM	L0003086	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003087	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003089	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003097	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003099	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003100	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003101	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003102	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003103	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003104	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003105	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003106	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003107	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003108	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003109	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003110	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003111	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003112	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003113	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003114	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003115	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003116	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003117	0.000003952	3.49	10.23	3.25
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SRCPARAM	L0003119	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003120	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003121	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003122	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003123	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003124	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003125	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003126	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003127	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003128	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003129	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003130	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003131	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003132	0.000003952	3.49	10.23	3.25
SRCPARAM	L0003133	0.000003952	3.49	10.23	3.25

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   SRCPARAM L0003134     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003135     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003136     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003137     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003138     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003139     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003140     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003141     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003142     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003143     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003144     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003145     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003146     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003147     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003148     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003149     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003150     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003151     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003152     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003153     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003154     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003155     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003156     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003157     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003158     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003159     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003160     0.000003952      3.49     10.23      3.25
   SRCPARAM L0003161     0.000003952      3.49     10.23      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE8
   SRCPARAM L0003291     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003292     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003293     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003294     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003295     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003296     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003297     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003298     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003299     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003300     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003301     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003302     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003303     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003304     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003305     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003306     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003307     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003308     0.000001204      3.49     10.23      3.25
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   SRCPARAM L0003309     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003310     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003311     0.000001204      3.49     10.23      3.25
   SRCPARAM L0003312     0.000001204      3.49     10.23      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE9
   SRCPARAM L0003523     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003524     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003525     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003526     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003527     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003528     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003529     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003530     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003531     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003532     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003533     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003534     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003535     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003536     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003537     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003538     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003539     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003540     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003541     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003542     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003543     0.000001205      3.49     10.23      3.25
   SRCPARAM L0003544     0.000001205      3.49     10.23      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE12
   SRCPARAM L0003545     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003546     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003547     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003548     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003549     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003550     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003551     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003552     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003553     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003554     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003555     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003556     0.0000004087      3.49     10.23      3.25
   SRCPARAM L0003557     0.0000004087      3.49     10.23      3.25
** ----------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE13
   SRCPARAM L0003558     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003559     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003560     0.0000005965      3.49     10.23      3.25
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   SRCPARAM L0003561     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003562     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003563     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003564     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003565     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003566     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003567     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003568     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003569     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003570     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003571     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003572     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003573     0.0000005965      3.49     10.23      3.25
   SRCPARAM L0003574     0.0000005965      3.49     10.23      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE10
   SRCPARAM L0003271     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003272     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003273     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003274     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003275     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003276     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003277     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003278     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003279     0.0000004738      3.49     10.23      3.25
   SRCPARAM L0003280     0.0000004738      3.49     10.23      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE11
   SRCPARAM L0003281     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003282     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003283     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003284     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003285     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003286     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003287     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003288     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003289     0.00000009477      3.49     10.23      3.25
   SRCPARAM L0003290     0.00000009477      3.49     10.23      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
```

```
RE STARTING
   INCLUDED "11558 RIDER 2 AND 4 (10-19).ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE PERRISADJU\PERI_V9_ADJU\PERI_V9.SFC
   PROFFILE PERRISADJU\PERI_V9_ADJU\PERI_V9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "11558 RIDER 2 AND 4 (10-19).AD\AN00GALL.PLT" 31
   SUMMFILE "11558 RIDER 2 AND 4 (10-19).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    1935       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    1935       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:15:28

                                   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   798 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

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

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        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
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 **This Run Includes:    798 Source(s);       1 Source Group(s); and      33
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    798 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  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.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   11558 RIDER 2 AND 4 (10-19).ERR

 **File for Summary of Results:   11558 RIDER 2 AND 4 (10-19).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
L0002458	0	0.70320E-06	479995.7	3744073.6	440.0	3.49	4.00	3.25	YES	
L0002459	0	0.70320E-06	479995.7	3744065.0	440.0	3.49	4.00	3.25	YES	
L0002460	0	0.70320E-06	479995.7	3744056.4	440.0	3.49	4.00	3.25	YES	
L0002461	0	0.70320E-06	479995.7	3744047.8	440.0	3.49	4.00	3.25	YES	
L0002462	0	0.70320E-06	479995.7	3744039.3	440.0	3.49	4.00	3.25	YES	
L0002463	0	0.70320E-06	479995.7	3744030.7	440.0	3.49	4.00	3.25	YES	
L0002464	0	0.70320E-06	479995.7	3744022.1	440.0	3.49	4.00	3.25	YES	
L0002465	0	0.70320E-06	479995.7	3744013.5	440.0	3.49	4.00	3.25	YES	
L0002466	0	0.70320E-06	479995.7	3744004.9	440.0	3.49	4.00	3.25	YES	
L0002467	0	0.70320E-06	479995.7	3743996.3	440.0	3.49	4.00	3.25	YES	
L0002468	0	0.70320E-06	479995.7	3743987.7	440.0	3.49	4.00	3.25	YES	
L0002469	0	0.70320E-06	479995.7	3743979.1	440.0	3.49	4.00	3.25	YES	
L0002470	0	0.70320E-06	479995.7	3743970.5	440.0	3.49	4.00	3.25	YES	
L0002471	0	0.70320E-06	479995.7	3743961.9	440.0	3.49	4.00	3.25	YES	

L0002472	0	0.70320E-06	479995.7	3743953.4	440.0	3.49	4.00	3.25 YES
L0002473	0	0.70320E-06	479995.7	3743944.8	440.0	3.49	4.00	3.25 YES
L0002474	0	0.70320E-06	479995.7	3743936.2	440.0	3.49	4.00	3.25 YES
L0002475	0	0.70320E-06	479995.7	3743927.6	440.0	3.49	4.00	3.25 YES
L0002476	0	0.70320E-06	479995.7	3743919.0	440.0	3.49	4.00	3.25 YES
L0002477	0	0.70320E-06	479995.7	3743910.4	440.0	3.49	4.00	3.25 YES
L0002478	0	0.70320E-06	479995.7	3743901.8	440.0	3.49	4.00	3.25 YES
L0002479	0	0.70320E-06	479995.7	3743893.2	439.9	3.49	4.00	3.25 YES
L0002480	0	0.70320E-06	479995.7	3743884.6	439.8	3.49	4.00	3.25 YES
L0002481	0	0.70320E-06	479995.7	3743876.0	439.7	3.49	4.00	3.25 YES
L0002482	0	0.70320E-06	479995.7	3743867.5	439.5	3.49	4.00	3.25 YES
L0002483	0	0.70320E-06	479995.7	3743858.9	439.5	3.49	4.00	3.25 YES
L0002484	0	0.70320E-06	479995.7	3743850.3	439.5	3.49	4.00	3.25 YES
L0002485	0	0.70320E-06	479995.7	3743841.7	439.5	3.49	4.00	3.25 YES
L0002486	0	0.70320E-06	479995.7	3743833.1	439.4	3.49	4.00	3.25 YES
L0002487	0	0.70320E-06	479995.7	3743824.5	439.3	3.49	4.00	3.25 YES
L0002488	0	0.70320E-06	479995.7	3743815.9	439.2	3.49	4.00	3.25 YES
L0002489	0	0.60560E-06	480165.0	3744098.8	439.0	3.49	4.00	3.25 YES
L0002490	0	0.60560E-06	480165.1	3744090.2	439.0	3.49	4.00	3.25 YES
L0002491	0	0.60560E-06	480165.2	3744081.6	439.0	3.49	4.00	3.25 YES
L0002492	0	0.60560E-06	480165.3	3744073.0	439.0	3.49	4.00	3.25 YES
L0002493	0	0.60560E-06	480165.4	3744064.4	439.0	3.49	4.00	3.25 YES
L0002494	0	0.60560E-06	480165.5	3744055.9	439.0	3.49	4.00	3.25 YES
L0002495	0	0.60560E-06	480165.6	3744047.3	439.0	3.49	4.00	3.25 YES

 L0002496   0   0.60560E-06 480165.7 3744038.7   439.0   3.49   4.00
3.25   YES
 L0002497   0   0.60560E-06 480165.8 3744030.1   439.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

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

 L0002498   0   0.60560E-06 480165.9 3744021.5   439.0   3.49   4.00
3.25   YES
 L0002499   0   0.60560E-06 480166.0 3744012.9   439.0   3.49   4.00
3.25   YES
 L0002500   0   0.60560E-06 480166.1 3744004.3   439.0   3.49   4.00
3.25   YES
 L0002501   0   0.60560E-06 480166.3 3743995.7   439.0   3.49   4.00
3.25   YES
 L0002502   0   0.60560E-06 480166.4 3743987.1   439.0   3.49   4.00
3.25   YES
 L0002503   0   0.60560E-06 480166.5 3743978.6   439.0   3.49   4.00
3.25   YES
 L0002504   0   0.60560E-06 480166.6 3743970.0   439.0   3.49   4.00
3.25   YES
 L0002505   0   0.60560E-06 480166.7 3743961.4   439.0   3.49   4.00
3.25   YES
 L0002506   0   0.60560E-06 480166.8 3743952.8   439.0   3.49   4.00
3.25   YES
 L0002507   0   0.60560E-06 480166.9 3743944.2   439.0   3.49   4.00
3.25   YES
 L0002508   0   0.60560E-06 480167.0 3743935.6   439.0   3.49   4.00
3.25   YES
 L0002509   0   0.60560E-06 480167.1 3743927.0   439.0   3.49   4.00
3.25   YES

L0002510	0	0.60560E-06	480167.2	3743918.4	439.0	3.49	4.00	3.25 YES
L0002511	0	0.60560E-06	480167.3	3743909.8	439.0	3.49	4.00	3.25 YES
L0002512	0	0.60560E-06	480167.4	3743901.2	439.0	3.49	4.00	3.25 YES
L0002513	0	0.60560E-06	480167.5	3743892.7	439.0	3.49	4.00	3.25 YES
L0002514	0	0.60560E-06	480167.6	3743884.1	439.0	3.49	4.00	3.25 YES
L0002515	0	0.60560E-06	480167.7	3743875.5	439.0	3.49	4.00	3.25 YES
L0002516	0	0.60560E-06	480167.8	3743866.9	439.0	3.49	4.00	3.25 YES
L0002517	0	0.60560E-06	480167.9	3743858.3	439.0	3.49	4.00	3.25 YES
L0002518	0	0.60560E-06	480168.1	3743849.7	439.0	3.49	4.00	3.25 YES
L0002519	0	0.60560E-06	480168.2	3743841.1	439.0	3.49	4.00	3.25 YES
L0002520	0	0.60560E-06	480168.3	3743832.5	439.0	3.49	4.00	3.25 YES
L0002521	0	0.60560E-06	480168.4	3743823.9	439.0	3.49	4.00	3.25 YES
L0002522	0	0.60560E-06	480168.5	3743815.4	439.0	3.49	4.00	3.25 YES
L0002523	0	0.60560E-06	480168.6	3743806.8	439.0	3.49	4.00	3.25 YES
L0002524	0	0.60560E-06	480168.7	3743798.2	439.0	3.49	4.00	3.25 YES
L0002525	0	0.96180E-06	480010.6	3743635.9	439.0	3.49	4.00	3.25 YES
L0002526	0	0.96180E-06	480019.2	3743635.9	439.0	3.49	4.00	3.25 YES
L0002527	0	0.96180E-06	480027.8	3743635.9	439.0	3.49	4.00	3.25 YES
L0002528	0	0.96180E-06	480036.4	3743635.8	439.0	3.49	4.00	3.25 YES
L0002529	0	0.96180E-06	480045.0	3743635.8	439.0	3.49	4.00	3.25 YES
L0002530	0	0.96180E-06	480053.6	3743635.8	439.0	3.49	4.00	3.25 YES
L0002531	0	0.96180E-06	480062.2	3743635.7	439.0	3.49	4.00	3.25 YES
L0002532	0	0.96180E-06	480070.8	3743635.7	439.0	3.49	4.00	3.25 YES
L0002533	0	0.96180E-06	480079.4	3743635.7	439.0	3.49	4.00	3.25 YES

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 L0002534         0   0.96180E-06  480087.9 3743635.7   439.0     3.49     4.00
3.25     YES
 L0002535         0   0.96180E-06  480096.5 3743635.6   439.0     3.49     4.00
3.25     YES
 L0002536         0   0.96180E-06  480105.1 3743635.6   439.0     3.49     4.00
3.25     YES
 L0002537         0   0.96180E-06  480113.7 3743635.6   439.0     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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0002538         0   0.96180E-06  480122.3 3743635.5   439.0     3.49     4.00
3.25     YES
 L0002539         0   0.96180E-06  480130.9 3743635.5   439.0     3.49     4.00
3.25     YES
 L0002540         0   0.96180E-06  480139.5 3743635.5   439.0     3.49     4.00
3.25     YES
 L0002541         0   0.96180E-06  480148.1 3743635.4   439.0     3.49     4.00
3.25     YES
 L0002542         0   0.96180E-06  480156.7 3743635.4   439.0     3.49     4.00
3.25     YES
 L0002543         0   0.96180E-06  480165.3 3743635.4   438.8     3.49     4.00
3.25     YES
 L0002544         0   0.96180E-06  480173.8 3743635.4   438.5     3.49     4.00
3.25     YES
 L0002545         0   0.96180E-06  480182.4 3743635.3   438.2     3.49     4.00
3.25     YES
 L0002546         0   0.96180E-06  480191.0 3743635.3   438.0     3.49     4.00
3.25     YES
 L0002547         0   0.96180E-06  480199.6 3743635.3   438.0     3.49     4.00
3.25     YES
```

L0002548	0	0.96180E-06	480208.2	3743635.2	438.0	3.49	4.00	3.25 YES
L0002549	0	0.96180E-06	480216.8	3743635.2	438.0	3.49	4.00	3.25 YES
L0002550	0	0.96180E-06	480225.4	3743635.2	438.0	3.49	4.00	3.25 YES
L0002551	0	0.96180E-06	480234.0	3743635.2	438.0	3.49	4.00	3.25 YES
L0002552	0	0.96180E-06	480242.6	3743635.1	438.0	3.49	4.00	3.25 YES
L0002553	0	0.96180E-06	480251.2	3743635.1	438.0	3.49	4.00	3.25 YES
L0002554	0	0.96180E-06	480259.7	3743635.1	438.0	3.49	4.00	3.25 YES
L0002555	0	0.96180E-06	480268.3	3743635.0	438.0	3.49	4.00	3.25 YES
L0002556	0	0.96180E-06	480276.9	3743635.0	438.0	3.49	4.00	3.25 YES
L0002557	0	0.96180E-06	480285.5	3743635.0	438.1	3.49	4.00	3.25 YES
L0002558	0	0.96180E-06	480294.1	3743634.9	438.1	3.49	4.00	3.25 YES
L0002559	0	0.96180E-06	480010.2	3743426.0	439.0	3.49	4.00	3.25 YES
L0002560	0	0.96180E-06	480018.8	3743425.9	439.0	3.49	4.00	3.25 YES
L0002561	0	0.96180E-06	480027.3	3743425.9	439.0	3.49	4.00	3.25 YES
L0002562	0	0.96180E-06	480035.9	3743425.9	439.0	3.49	4.00	3.25 YES
L0002563	0	0.96180E-06	480044.5	3743425.9	439.0	3.49	4.00	3.25 YES
L0002564	0	0.96180E-06	480053.1	3743425.8	439.0	3.49	4.00	3.25 YES
L0002565	0	0.96180E-06	480061.7	3743425.8	439.0	3.49	4.00	3.25 YES
L0002566	0	0.96180E-06	480070.3	3743425.8	439.0	3.49	4.00	3.25 YES
L0002567	0	0.96180E-06	480078.9	3743425.7	439.0	3.49	4.00	3.25 YES
L0002568	0	0.96180E-06	480087.5	3743425.7	439.0	3.49	4.00	3.25 YES
L0002569	0	0.96180E-06	480096.1	3743425.7	439.0	3.49	4.00	3.25 YES
L0002570	0	0.96180E-06	480104.7	3743425.6	439.0	3.49	4.00	3.25 YES
L0002571	0	0.96180E-06	480113.2	3743425.6	439.0	3.49	4.00	3.25 YES

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 L0002572         0   0.96180E-06  480121.8 3743425.6   439.0     3.49     4.00
3.25     YES
 L0002573         0   0.96180E-06  480130.4 3743425.6   439.0     3.49     4.00
3.25     YES
 L0002574         0   0.96180E-06  480139.0 3743425.5   439.0     3.49     4.00
3.25     YES
 L0002575         0   0.96180E-06  480147.6 3743425.5   439.0     3.49     4.00
3.25     YES
 L0002576         0   0.96180E-06  480156.2 3743425.5   439.0     3.49     4.00
3.25     YES
 L0002577         0   0.96180E-06  480164.8 3743425.4   439.0     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

                                  PAGE   5
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0002578         0   0.96180E-06  480173.4 3743425.4   439.0     3.49     4.00
3.25     YES
 L0002579         0   0.96180E-06  480182.0 3743425.4   439.0     3.49     4.00
3.25     YES
 L0002580         0   0.96180E-06  480190.6 3743425.3   439.0     3.49     4.00
3.25     YES
 L0002581         0   0.96180E-06  480199.1 3743425.3   438.7     3.49     4.00
3.25     YES
 L0002582         0   0.96180E-06  480207.7 3743425.3   438.4     3.49     4.00
3.25     YES
 L0002583         0   0.96180E-06  480216.3 3743425.3   438.1     3.49     4.00
3.25     YES
 L0002584         0   0.96180E-06  480224.9 3743425.2   438.0     3.49     4.00
3.25     YES
 L0002585         0   0.96180E-06  480233.5 3743425.2   438.0     3.49     4.00
3.25     YES
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L0002586	0	0.96180E-06	480242.1	3743425.2	438.0	3.49	4.00	3.25 YES
L0002587	0	0.96180E-06	480250.7	3743425.1	438.0	3.49	4.00	3.25 YES
L0002588	0	0.96180E-06	480259.3	3743425.1	438.0	3.49	4.00	3.25 YES
L0002589	0	0.96180E-06	480267.9	3743425.1	438.0	3.49	4.00	3.25 YES
L0002590	0	0.96180E-06	480276.5	3743425.0	438.0	3.49	4.00	3.25 YES
L0002591	0	0.96180E-06	480285.0	3743425.0	438.0	3.49	4.00	3.25 YES
L0002592	0	0.96180E-06	480293.6	3743425.0	438.0	3.49	4.00	3.25 YES
L0002593	0	0.15110E-05	479997.1	3744122.5	440.0	3.49	4.00	3.25 YES
L0002594	0	0.15110E-05	480005.7	3744122.6	440.0	3.49	4.00	3.25 YES
L0002595	0	0.15110E-05	480014.3	3744122.7	440.0	3.49	4.00	3.25 YES
L0002596	0	0.15110E-05	480022.9	3744122.7	440.0	3.49	4.00	3.25 YES
L0002597	0	0.15110E-05	480031.5	3744122.8	440.0	3.49	4.00	3.25 YES
L0002598	0	0.15110E-05	480040.1	3744122.9	440.0	3.49	4.00	3.25 YES
L0002599	0	0.15110E-05	480048.7	3744123.0	440.0	3.49	4.00	3.25 YES
L0002600	0	0.15110E-05	480057.3	3744123.1	440.0	3.49	4.00	3.25 YES
L0002601	0	0.15110E-05	480065.8	3744123.2	440.0	3.49	4.00	3.25 YES
L0002602	0	0.15110E-05	480074.4	3744123.3	440.0	3.49	4.00	3.25 YES
L0002603	0	0.15110E-05	480083.0	3744123.4	440.0	3.49	4.00	3.25 YES
L0002604	0	0.15110E-05	480091.6	3744123.5	440.0	3.49	4.00	3.25 YES
L0002605	0	0.15110E-05	480100.2	3744123.6	440.0	3.49	4.00	3.25 YES
L0002606	0	0.15110E-05	480108.8	3744123.7	439.9	3.49	4.00	3.25 YES
L0002607	0	0.15110E-05	480117.4	3744123.8	439.8	3.49	4.00	3.25 YES
L0002608	0	0.15110E-05	480126.0	3744123.9	439.7	3.49	4.00	3.25 YES
L0002609	0	0.15110E-05	480134.6	3744124.0	439.5	3.49	4.00	3.25 YES

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 L0002610         0   0.15110E-05  480143.1 3744124.1   439.3     3.49     4.00
3.25     YES
 L0002611         0   0.15110E-05  480151.7 3744124.2   439.2     3.49     4.00
3.25     YES
 L0002612         0   0.15110E-05  480160.3 3744124.3   439.0     3.49     4.00
3.25     YES
 L0002613         0   0.15110E-05  480168.9 3744124.4   439.0     3.49     4.00
3.25     YES
 L0002614         0   0.15110E-05  480177.5 3744124.5   439.0     3.49     4.00
3.25     YES
 L0002615         0   0.15110E-05  480182.4 3744119.0   439.0     3.49     4.00
3.25     YES
 L0002616         0   0.15110E-05  480183.5 3744110.5   439.0     3.49     4.00
3.25     YES
 L0002617         0   0.15110E-05  480183.7 3744102.0   439.0     3.49     4.00
3.25     YES
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE 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 VARY BY
L0002618	0	0.15110E-05	480183.7	3744093.4	439.0	3.49	4.00	3.25	YES	
L0002619	0	0.15110E-05	480183.8	3744084.8	439.0	3.49	4.00	3.25	YES	
L0002620	0	0.15110E-05	480183.8	3744076.2	439.0	3.49	4.00	3.25	YES	
L0002621	0	0.15110E-05	480183.9	3744067.6	439.0	3.49	4.00	3.25	YES	
L0002622	0	0.15110E-05	480183.9	3744059.0	439.0	3.49	4.00	3.25	YES	
L0002623	0	0.15110E-05	480184.0	3744050.4	439.0	3.49	4.00	3.25	YES	

L0002624	0	0.15110E-05	480184.0	3744041.8	439.0	3.49	4.00
3.25	YES						
L0002625	0	0.15110E-05	480184.1	3744033.2	439.0	3.49	4.00
3.25	YES						
L0002626	0	0.15110E-05	480184.1	3744024.7	439.0	3.49	4.00
3.25	YES						
L0002627	0	0.15110E-05	480184.1	3744016.1	439.0	3.49	4.00
3.25	YES						
L0002628	0	0.15110E-05	480184.2	3744007.5	439.0	3.49	4.00
3.25	YES						
L0002629	0	0.15110E-05	480184.2	3743998.9	439.0	3.49	4.00
3.25	YES						
L0002630	0	0.15110E-05	480184.3	3743990.3	439.0	3.49	4.00
3.25	YES						
L0002631	0	0.15110E-05	480184.3	3743981.7	439.0	3.49	4.00
3.25	YES						
L0002632	0	0.15110E-05	480184.4	3743973.1	439.0	3.49	4.00
3.25	YES						
L0002633	0	0.15110E-05	480184.4	3743964.5	439.0	3.49	4.00
3.25	YES						
L0002634	0	0.15110E-05	480184.5	3743955.9	439.0	3.49	4.00
3.25	YES						
L0002635	0	0.15110E-05	480184.5	3743947.3	439.0	3.49	4.00
3.25	YES						
L0002636	0	0.15110E-05	480184.6	3743938.8	439.0	3.49	4.00
3.25	YES						
L0002637	0	0.15110E-05	480184.6	3743930.2	439.0	3.49	4.00
3.25	YES						
L0002638	0	0.15110E-05	480184.7	3743921.6	439.0	3.49	4.00
3.25	YES						
L0002639	0	0.15110E-05	480184.7	3743913.0	439.0	3.49	4.00
3.25	YES						
L0002640	0	0.15110E-05	480184.8	3743904.4	439.0	3.49	4.00
3.25	YES						
L0002641	0	0.15110E-05	480184.8	3743895.8	439.0	3.49	4.00
3.25	YES						
L0002642	0	0.15110E-05	480184.9	3743887.2	439.0	3.49	4.00
3.25	YES						
L0002643	0	0.15110E-05	480184.9	3743878.6	439.0	3.49	4.00
3.25	YES						
L0002644	0	0.15110E-05	480185.0	3743870.0	439.0	3.49	4.00
3.25	YES						
L0002645	0	0.15110E-05	480185.0	3743861.5	439.0	3.49	4.00
3.25	YES						
L0002646	0	0.15110E-05	480185.1	3743852.9	439.0	3.49	4.00
3.25	YES						
L0002647	0	0.15110E-05	480185.1	3743844.3	439.0	3.49	4.00
3.25	YES						

 L0002648   0   0.15110E-05 480185.2 3743835.7   439.0   3.49   4.00
3.25   YES
 L0002649   0   0.15110E-05 480185.2 3743827.1   439.0   3.49   4.00
3.25   YES
 L0002650   0   0.15110E-05 480185.2 3743818.5   439.0   3.49   4.00
3.25   YES
 L0002651   0   0.15110E-05 480185.3 3743809.9   439.0   3.49   4.00
3.25   YES
 L0002652   0   0.15110E-05 480185.3 3743801.3   439.0   3.49   4.00
3.25   YES
 L0002653   0   0.15110E-05 480185.4 3743792.7   439.0   3.49   4.00
3.25   YES
 L0002654   0   0.15110E-05 480185.4 3743784.1   439.0   3.49   4.00
3.25   YES
 L0002655   0   0.15110E-05 480186.3 3743775.6   439.0   3.49   4.00
3.25   YES
 L0002656   0   0.15110E-05 480181.2 3743772.5   439.0   3.49   4.00
3.25   YES
 L0002657   0   0.15110E-05 480172.6 3743772.2   439.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

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

 L0002658   0   0.15110E-05 480164.0 3743772.0   439.0   3.49   4.00
3.25   YES
 L0002659   0   0.15110E-05 480155.4 3743771.6   439.0   3.49   4.00
3.25   YES
 L0002660   0   0.15110E-05 480146.9 3743771.0   439.0   3.49   4.00
3.25   YES
 L0002661   0   0.15110E-05 480138.4 3743769.5   439.0   3.49   4.00
3.25   YES

L0002662	0	0.15110E-05	480130.0	3743767.9	439.0	3.49	4.00	3.25 YES
L0002663	0	0.15110E-05	480121.6	3743765.8	439.0	3.49	4.00	3.25 YES
L0002664	0	0.15110E-05	480113.6	3743762.9	439.0	3.49	4.00	3.25 YES
L0002665	0	0.15110E-05	480105.5	3743759.9	439.0	3.49	4.00	3.25 YES
L0002666	0	0.15110E-05	480097.5	3743756.9	439.0	3.49	4.00	3.25 YES
L0002667	0	0.15110E-05	480089.1	3743755.2	439.0	3.49	4.00	3.25 YES
L0002668	0	0.15110E-05	480080.6	3743754.8	439.0	3.49	4.00	3.25 YES
L0002669	0	0.15110E-05	480072.0	3743754.4	439.0	3.49	4.00	3.25 YES
L0002670	0	0.15110E-05	480063.4	3743753.9	439.0	3.49	4.00	3.25 YES
L0002671	0	0.15110E-05	480054.8	3743753.5	439.0	3.49	4.00	3.25 YES
L0002672	0	0.15110E-05	480046.2	3743753.1	439.0	3.49	4.00	3.25 YES
L0002673	0	0.15110E-05	480037.7	3743752.6	439.0	3.49	4.00	3.25 YES
L0002674	0	0.15110E-05	480029.1	3743752.8	439.0	3.49	4.00	3.25 YES
L0002675	0	0.15110E-05	480020.5	3743753.0	439.0	3.49	4.00	3.25 YES
L0002676	0	0.15110E-05	480011.9	3743753.3	439.0	3.49	4.00	3.25 YES
L0002677	0	0.15110E-05	480003.3	3743753.5	439.0	3.49	4.00	3.25 YES
L0002678	0	0.15110E-05	479994.7	3743753.7	439.0	3.49	4.00	3.25 YES
L0002679	0	0.15110E-05	479986.1	3743754.0	439.0	3.49	4.00	3.25 YES
L0002680	0	0.15110E-05	479981.5	3743758.0	439.0	3.49	4.00	3.25 YES
L0002681	0	0.15110E-05	479981.5	3743766.6	439.0	3.49	4.00	3.25 YES
L0002682	0	0.15110E-05	479981.5	3743775.2	439.0	3.49	4.00	3.25 YES
L0002683	0	0.15110E-05	479981.6	3743783.8	439.0	3.49	4.00	3.25 YES
L0002684	0	0.15110E-05	479981.6	3743792.4	439.0	3.49	4.00	3.25 YES
L0002685	0	0.15110E-05	479981.6	3743801.0	439.0	3.49	4.00	3.25 YES

 L0002686   0   0.15110E-05 479981.7 3743809.5   439.1   3.49   4.00
3.25   YES
 L0002687   0   0.15110E-05 479981.7 3743818.1   439.4   3.49   4.00
3.25   YES
 L0002688   0   0.15110E-05 479981.7 3743826.7   439.7   3.49   4.00
3.25   YES
 L0002689   0   0.15110E-05 479981.8 3743835.3   439.9   3.49   4.00
3.25   YES
 L0002690   0   0.15110E-05 479981.8 3743843.9   439.9   3.49   4.00
3.25   YES
 L0002691   0   0.15110E-05 479981.8 3743852.5   439.9   3.49   4.00
3.25   YES
 L0002692   0   0.15110E-05 479981.9 3743861.1   439.9   3.49   4.00
3.25   YES
 L0002693   0   0.15110E-05 479981.9 3743869.7   439.9   3.49   4.00
3.25   YES
 L0002694   0   0.15110E-05 479981.9 3743878.3   440.0   3.49   4.00
3.25   YES
 L0002695   0   0.15110E-05 479982.0 3743886.9   440.0   3.49   4.00
3.25   YES
 L0002696   0   0.15110E-05 479982.0 3743895.4   440.0   3.49   4.00
3.25   YES
 L0002697   0   0.15110E-05 479982.0 3743904.0   440.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** VOLUME SOURCE DATA ***

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

 L0002698   0   0.15110E-05 479982.1 3743912.6   440.0   3.49   4.00
3.25   YES
 L0002699   0   0.15110E-05 479982.1 3743921.2   440.0   3.49   4.00
3.25   YES

L0002700	0	0.15110E-05	479982.2	3743929.8	440.0	3.49	4.00
3.25	YES						
L0002701	0	0.15110E-05	479982.2	3743938.4	440.0	3.49	4.00
3.25	YES						
L0002702	0	0.15110E-05	479982.2	3743947.0	440.0	3.49	4.00
3.25	YES						
L0002703	0	0.15110E-05	479982.3	3743955.6	440.0	3.49	4.00
3.25	YES						
L0002704	0	0.15110E-05	479982.3	3743964.2	440.0	3.49	4.00
3.25	YES						
L0002705	0	0.15110E-05	479982.3	3743972.8	440.0	3.49	4.00
3.25	YES						
L0002706	0	0.15110E-05	479982.4	3743981.3	440.0	3.49	4.00
3.25	YES						
L0002707	0	0.15110E-05	479982.4	3743989.9	440.0	3.49	4.00
3.25	YES						
L0002708	0	0.15110E-05	479982.4	3743998.5	440.0	3.49	4.00
3.25	YES						
L0002709	0	0.15110E-05	479982.5	3744007.1	440.0	3.49	4.00
3.25	YES						
L0002710	0	0.15110E-05	479982.5	3744015.7	440.0	3.49	4.00
3.25	YES						
L0002711	0	0.15110E-05	479982.5	3744024.3	440.0	3.49	4.00
3.25	YES						
L0002712	0	0.15110E-05	479982.6	3744032.9	440.0	3.49	4.00
3.25	YES						
L0002713	0	0.15110E-05	479982.6	3744041.5	440.0	3.49	4.00
3.25	YES						
L0002714	0	0.15110E-05	479982.6	3744050.1	440.0	3.49	4.00
3.25	YES						
L0002715	0	0.15110E-05	479982.7	3744058.7	440.0	3.49	4.00
3.25	YES						
L0002716	0	0.15110E-05	479982.7	3744067.2	440.0	3.49	4.00
3.25	YES						
L0002717	0	0.15110E-05	479982.7	3744075.8	440.0	3.49	4.00
3.25	YES						
L0002718	0	0.15110E-05	479982.6	3744084.4	440.0	3.49	4.00
3.25	YES						
L0002719	0	0.15110E-05	479982.5	3744093.0	440.0	3.49	4.00
3.25	YES						
L0002720	0	0.15110E-05	479982.5	3744101.6	440.0	3.49	4.00
3.25	YES						
L0002721	0	0.15110E-05	479984.9	3744109.7	440.0	3.49	4.00
3.25	YES						
L0002722	0	0.15110E-05	479988.4	3744117.5	440.0	3.49	4.00
3.25	YES						
L0002723	0	0.22640E-05	480365.6	3743394.5	438.0	3.49	4.00
3.25	YES						

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 L0002724         0   0.22640E-05  480365.5 3743403.1   438.0     3.49     4.00
3.25     YES
 L0002725         0   0.22640E-05  480365.4 3743411.7   438.0     3.49     4.00
3.25     YES
 L0002726         0   0.22640E-05  480365.3 3743420.3   438.0     3.49     4.00
3.25     YES
 L0002727         0   0.22640E-05  480365.2 3743428.8   438.0     3.49     4.00
3.25     YES
 L0002728         0   0.22640E-05  480365.1 3743437.4   438.0     3.49     4.00
3.25     YES
 L0002729         0   0.22640E-05  480365.0 3743446.0   438.0     3.49     4.00
3.25     YES
 L0002730         0   0.22640E-05  480365.0 3743454.6   438.0     3.49     4.00
3.25     YES
 L0002731         0   0.22640E-05  480364.9 3743463.2   438.0     3.49     4.00
3.25     YES
 L0002732         0   0.22640E-05  480364.8 3743471.8   438.0     3.49     4.00
3.25     YES
 L0002733         0   0.22640E-05  480364.7 3743480.4   438.0     3.49     4.00
3.25     YES
 L0002734         0   0.22640E-05  480364.6 3743489.0   438.0     3.49     4.00
3.25     YES
 L0002735         0   0.22640E-05  480364.5 3743497.6   438.0     3.49     4.00
3.25     YES
 L0002736         0   0.22640E-05  480364.4 3743506.1   438.0     3.49     4.00
3.25     YES
 L0002737         0   0.22640E-05  480364.3 3743514.7   438.0     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

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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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L0002738	0	0.22640E-05	480364.3	3743523.3	438.0	3.49	4.00
3.25	YES						
L0002739	0	0.22640E-05	480364.2	3743531.9	438.0	3.49	4.00
3.25	YES						
L0002740	0	0.22640E-05	480364.1	3743540.5	438.0	3.49	4.00
3.25	YES						
L0002741	0	0.22640E-05	480361.6	3743548.4	438.0	3.49	4.00
3.25	YES						
L0002742	0	0.22640E-05	480357.3	3743555.9	438.0	3.49	4.00
3.25	YES						
L0002743	0	0.22640E-05	480353.0	3743563.3	438.0	3.49	4.00
3.25	YES						
L0002744	0	0.22640E-05	480348.6	3743570.7	438.0	3.49	4.00
3.25	YES						
L0002745	0	0.22640E-05	480344.3	3743578.1	438.1	3.49	4.00
3.25	YES						
L0002746	0	0.22640E-05	480340.0	3743585.6	438.0	3.49	4.00
3.25	YES						
L0002747	0	0.22640E-05	480335.7	3743593.0	438.0	3.49	4.00
3.25	YES						
L0002748	0	0.22640E-05	480331.4	3743600.4	438.1	3.49	4.00
3.25	YES						
L0002749	0	0.22640E-05	480327.1	3743607.9	438.2	3.49	4.00
3.25	YES						
L0002750	0	0.22640E-05	480322.8	3743615.3	438.3	3.49	4.00
3.25	YES						
L0002751	0	0.22640E-05	480318.4	3743622.7	438.2	3.49	4.00
3.25	YES						
L0002752	0	0.22640E-05	480314.1	3743630.1	438.2	3.49	4.00
3.25	YES						
L0002753	0	0.22640E-05	480309.8	3743637.6	438.4	3.49	4.00
3.25	YES						
L0002754	0	0.22640E-05	480305.5	3743645.0	438.5	3.49	4.00
3.25	YES						
L0002755	0	0.22640E-05	480301.2	3743652.4	438.6	3.49	4.00
3.25	YES						
L0002756	0	0.22640E-05	480294.1	3743654.9	438.4	3.49	4.00
3.25	YES						
L0002757	0	0.22640E-05	480285.5	3743654.9	438.2	3.49	4.00
3.25	YES						
L0002758	0	0.22640E-05	480276.9	3743654.8	438.0	3.49	4.00
3.25	YES						
L0002759	0	0.22640E-05	480268.3	3743654.7	438.0	3.49	4.00
3.25	YES						
L0002760	0	0.22640E-05	480259.7	3743654.6	438.0	3.49	4.00
3.25	YES						
L0002761	0	0.22640E-05	480251.1	3743654.5	438.0	3.49	4.00
3.25	YES						

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 L0002762         0   0.22640E-05  480242.5 3743654.4   438.0     3.49     4.00
3.25     YES
 L0002763         0   0.22640E-05  480233.9 3743654.3   438.0     3.49     4.00
3.25     YES
 L0002764         0   0.22640E-05  480225.4 3743654.2   438.0     3.49     4.00
3.25     YES
 L0002765         0   0.22640E-05  480216.8 3743654.1   438.0     3.49     4.00
3.25     YES
 L0002766         0   0.22640E-05  480208.2 3743654.0   438.0     3.49     4.00
3.25     YES
 L0002767         0   0.22640E-05  480199.6 3743654.0   438.0     3.49     4.00
3.25     YES
 L0002768         0   0.22640E-05  480191.0 3743653.9   438.0     3.49     4.00
3.25     YES
 L0002769         0   0.22640E-05  480182.4 3743653.8   438.2     3.49     4.00
3.25     YES
 L0002770         0   0.22640E-05  480173.8 3743653.7   438.5     3.49     4.00
3.25     YES
 L0002771         0   0.22640E-05  480165.2 3743653.6   438.8     3.49     4.00
3.25     YES
 L0002772         0   0.22640E-05  480156.6 3743653.5   439.0     3.49     4.00
3.25     YES
 L0002773         0   0.22640E-05  480148.1 3743653.4   439.0     3.49     4.00
3.25     YES
 L0002774         0   0.22640E-05  480139.5 3743653.3   439.0     3.49     4.00
3.25     YES
 L0002775         0   0.22640E-05  480130.9 3743653.2   439.0     3.49     4.00
3.25     YES
 L0002776         0   0.22640E-05  480122.3 3743653.1   439.0     3.49     4.00
3.25     YES
 L0002777         0   0.22640E-05  480113.7 3743653.1   439.0     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

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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

L0002778	0	0.22640E-05	480105.1	3743653.0	439.0	3.49	4.00	3.25 YES
L0002779	0	0.22640E-05	480096.5	3743652.9	439.0	3.49	4.00	3.25 YES
L0002780	0	0.22640E-05	480087.9	3743652.8	439.0	3.49	4.00	3.25 YES
L0002781	0	0.22640E-05	480079.3	3743652.7	439.0	3.49	4.00	3.25 YES
L0002782	0	0.22640E-05	480070.7	3743652.6	439.0	3.49	4.00	3.25 YES
L0002783	0	0.22640E-05	480062.2	3743652.5	439.0	3.49	4.00	3.25 YES
L0002784	0	0.22640E-05	480053.6	3743652.4	439.0	3.49	4.00	3.25 YES
L0002785	0	0.22640E-05	480045.0	3743652.3	439.0	3.49	4.00	3.25 YES
L0002786	0	0.22640E-05	480036.4	3743652.2	439.0	3.49	4.00	3.25 YES
L0002787	0	0.22640E-05	480027.8	3743652.2	439.0	3.49	4.00	3.25 YES
L0002788	0	0.22640E-05	480019.2	3743652.1	439.0	3.49	4.00	3.25 YES
L0002789	0	0.22640E-05	480010.6	3743652.0	439.0	3.49	4.00	3.25 YES
L0002790	0	0.22640E-05	480002.0	3743651.9	439.0	3.49	4.00	3.25 YES
L0002791	0	0.22640E-05	479993.4	3743651.6	439.0	3.49	4.00	3.25 YES
L0002792	0	0.22640E-05	479984.9	3743651.2	439.0	3.49	4.00	3.25 YES
L0002793	0	0.22640E-05	479976.3	3743650.8	439.0	3.49	4.00	3.25 YES
L0002794	0	0.22640E-05	479967.7	3743650.4	439.0	3.49	4.00	3.25 YES
L0002795	0	0.22640E-05	479961.8	3743646.5	439.0	3.49	4.00	3.25 YES
L0002796	0	0.22640E-05	479961.7	3743637.9	439.0	3.49	4.00	3.25 YES
L0002797	0	0.22640E-05	479961.7	3743629.3	439.0	3.49	4.00	3.25 YES
L0002798	0	0.22640E-05	479961.6	3743620.7	439.0	3.49	4.00	3.25 YES
L0002799	0	0.22640E-05	479961.5	3743612.1	439.0	3.49	4.00	3.25 YES

L0002800	0	0.22640E-05	479961.5	3743603.5	439.0	3.49	4.00
3.25	YES						
L0002801	0	0.22640E-05	479961.4	3743594.9	439.0	3.49	4.00
3.25	YES						
L0002802	0	0.22640E-05	479961.3	3743586.3	439.0	3.49	4.00
3.25	YES						
L0002803	0	0.22640E-05	479961.3	3743577.8	439.0	3.49	4.00
3.25	YES						
L0002804	0	0.22640E-05	479961.2	3743569.2	439.0	3.49	4.00
3.25	YES						
L0002805	0	0.22640E-05	479961.1	3743560.6	439.0	3.49	4.00
3.25	YES						
L0002806	0	0.22640E-05	479961.1	3743552.0	439.0	3.49	4.00
3.25	YES						
L0002807	0	0.22640E-05	479961.0	3743543.4	439.0	3.49	4.00
3.25	YES						
L0002808	0	0.22640E-05	479960.9	3743534.8	439.0	3.49	4.00
3.25	YES						
L0002809	0	0.22640E-05	479960.9	3743526.2	439.0	3.49	4.00
3.25	YES						
L0002810	0	0.22640E-05	479960.8	3743517.6	439.0	3.49	4.00
3.25	YES						
L0002811	0	0.22640E-05	479960.7	3743509.0	439.0	3.49	4.00
3.25	YES						
L0002812	0	0.22640E-05	479960.7	3743500.5	439.0	3.49	4.00
3.25	YES						
L0002813	0	0.22640E-05	479960.6	3743491.9	439.0	3.49	4.00
3.25	YES						
L0002814	0	0.22640E-05	479960.5	3743483.3	439.0	3.49	4.00
3.25	YES						
L0002815	0	0.22640E-05	479960.5	3743474.7	439.0	3.49	4.00
3.25	YES						
L0002816	0	0.22640E-05	479960.4	3743466.1	439.0	3.49	4.00
3.25	YES						
L0002817	0	0.22640E-05	479960.4	3743457.5	439.0	3.49	4.00
3.25	YES						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

INIT. SOURCE ID	URBAN SOURCE SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE VARY BY
L0002818	0	0.22640E-05	479960.3	3743448.9	439.0	3.49	4.00	3.25	YES
L0002819	0	0.22640E-05	479960.2	3743440.3	439.0	3.49	4.00	3.25	YES
L0002820	0	0.22640E-05	479960.2	3743431.7	439.0	3.49	4.00	3.25	YES
L0002821	0	0.22640E-05	479960.1	3743423.1	439.0	3.49	4.00	3.25	YES
L0002822	0	0.22640E-05	479960.0	3743414.6	439.0	3.49	4.00	3.25	YES
L0002823	0	0.22640E-05	479960.0	3743406.0	439.0	3.49	4.00	3.25	YES
L0002824	0	0.22640E-05	479968.3	3743405.7	439.0	3.49	4.00	3.25	YES
L0002825	0	0.22640E-05	479976.9	3743405.6	439.0	3.49	4.00	3.25	YES
L0002826	0	0.22640E-05	479985.5	3743405.6	439.0	3.49	4.00	3.25	YES
L0002827	0	0.22640E-05	479994.1	3743405.5	439.0	3.49	4.00	3.25	YES
L0002828	0	0.22640E-05	480002.7	3743405.5	439.0	3.49	4.00	3.25	YES
L0002829	0	0.22640E-05	480011.3	3743405.4	439.0	3.49	4.00	3.25	YES
L0002830	0	0.22640E-05	480019.9	3743405.4	439.0	3.49	4.00	3.25	YES
L0002831	0	0.22640E-05	480028.4	3743405.3	439.0	3.49	4.00	3.25	YES
L0002832	0	0.22640E-05	480037.0	3743405.3	439.0	3.49	4.00	3.25	YES
L0002833	0	0.22640E-05	480045.6	3743405.2	439.0	3.49	4.00	3.25	YES
L0002834	0	0.22640E-05	480054.2	3743405.2	439.0	3.49	4.00	3.25	YES
L0002835	0	0.22640E-05	480062.8	3743405.1	439.0	3.49	4.00	3.25	YES
L0002836	0	0.22640E-05	480071.4	3743405.1	439.0	3.49	4.00	3.25	YES
L0002837	0	0.22640E-05	480080.0	3743405.0	439.0	3.49	4.00	3.25	YES

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 L0002838         0   0.22640E-05  480088.6 3743405.0   439.0     3.49     4.00
3.25     YES
 L0002839         0   0.22640E-05  480097.2 3743404.9   439.0     3.49     4.00
3.25     YES
 L0002840         0   0.22640E-05  480105.8 3743404.9   439.0     3.49     4.00
3.25     YES
 L0002841         0   0.22640E-05  480114.3 3743404.8   439.0     3.49     4.00
3.25     YES
 L0002842         0   0.22640E-05  480122.9 3743404.8   439.0     3.49     4.00
3.25     YES
 L0002843         0   0.22640E-05  480131.5 3743404.7   439.0     3.49     4.00
3.25     YES
 L0002844         0   0.22640E-05  480140.1 3743404.7   439.0     3.49     4.00
3.25     YES
 L0002845         0   0.22640E-05  480148.7 3743404.6   439.0     3.49     4.00
3.25     YES
 L0002846         0   0.22640E-05  480157.3 3743404.6   439.0     3.49     4.00
3.25     YES
 L0002847         0   0.22640E-05  480165.9 3743404.5   439.0     3.49     4.00
3.25     YES
 L0002848         0   0.22640E-05  480174.5 3743404.5   439.0     3.49     4.00
3.25     YES
 L0002849         0   0.22640E-05  480183.1 3743404.4   439.0     3.49     4.00
3.25     YES
 L0002850         0   0.22640E-05  480191.6 3743404.4   438.9     3.49     4.00
3.25     YES
 L0002851         0   0.22640E-05  480200.2 3743404.3   438.7     3.49     4.00
3.25     YES
 L0002852         0   0.22640E-05  480208.8 3743404.2   438.4     3.49     4.00
3.25     YES
 L0002853         0   0.22640E-05  480217.4 3743404.2   438.1     3.49     4.00
3.25     YES
 L0002854         0   0.22640E-05  480226.0 3743404.1   438.0     3.49     4.00
3.25     YES
 L0002855         0   0.22640E-05  480234.6 3743404.1   438.0     3.49     4.00
3.25     YES
 L0002856         0   0.22640E-05  480243.2 3743404.0   438.0     3.49     4.00
3.25     YES
 L0002857         0   0.22640E-05  480251.8 3743404.0   438.0     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

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

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY
L0002858	0	0.22640E-05	480260.4	3743403.9	438.0	3.49	4.00	3.25	YES
L0002859	0	0.22640E-05	480269.0	3743403.9	438.0	3.49	4.00	3.25	YES
L0002860	0	0.22640E-05	480277.5	3743403.8	438.0	3.49	4.00	3.25	YES
L0002861	0	0.22640E-05	480286.1	3743403.8	438.0	3.49	4.00	3.25	YES
L0002862	0	0.22640E-05	480294.7	3743403.7	438.0	3.49	4.00	3.25	YES
L0002863	0	0.22640E-05	480303.3	3743403.7	438.0	3.49	4.00	3.25	YES
L0002864	0	0.22640E-05	480311.9	3743403.6	438.0	3.49	4.00	3.25	YES
L0002865	0	0.22640E-05	480320.5	3743403.6	438.0	3.49	4.00	3.25	YES
L0002866	0	0.22640E-05	480329.1	3743403.5	438.0	3.49	4.00	3.25	YES
L0002867	0	0.22640E-05	480337.7	3743403.5	438.0	3.49	4.00	3.25	YES
L0002868	0	0.22640E-05	480346.3	3743403.4	438.0	3.49	4.00	3.25	YES
L0002869	0	0.22640E-05	480354.9	3743403.4	438.0	3.49	4.00	3.25	YES
L0002870	0	0.39520E-05	479930.4	3744160.2	440.0	3.49	10.23	3.25	YES
L0002871	0	0.39520E-05	479930.6	3744182.2	440.0	3.49	10.23	3.25	YES
L0002872	0	0.39520E-05	479930.7	3744204.2	440.0	3.49	10.23	3.25	YES
L0002873	0	0.39520E-05	479930.9	3744226.2	440.0	3.49	10.23	3.25	YES
L0002874	0	0.39520E-05	479931.0	3744248.2	440.0	3.49	10.23	3.25	YES
L0002875	0	0.39520E-05	479931.2	3744270.2	440.0	3.49	10.23	3.25	YES

L0002876	0	0.39520E-05	479931.3	3744292.2	440.0	3.49	10.23	3.25 YES
L0002877	0	0.39520E-05	479931.5	3744314.2	440.0	3.49	10.23	3.25 YES
L0002878	0	0.39520E-05	479931.6	3744336.2	440.4	3.49	10.23	3.25 YES
L0002879	0	0.39520E-05	479931.8	3744358.2	440.6	3.49	10.23	3.25 YES
L0002880	0	0.39520E-05	479931.9	3744380.2	440.7	3.49	10.23	3.25 YES
L0002881	0	0.39520E-05	479932.0	3744402.2	440.9	3.49	10.23	3.25 YES
L0002882	0	0.39520E-05	479932.2	3744424.2	441.0	3.49	10.23	3.25 YES
L0002883	0	0.39520E-05	479932.3	3744446.2	441.0	3.49	10.23	3.25 YES
L0002884	0	0.39520E-05	479932.5	3744468.2	441.0	3.49	10.23	3.25 YES
L0002885	0	0.39520E-05	479932.6	3744490.2	441.0	3.49	10.23	3.25 YES
L0002886	0	0.39520E-05	479932.8	3744512.2	441.0	3.49	10.23	3.25 YES
L0002887	0	0.39520E-05	479932.9	3744534.2	441.0	3.49	10.23	3.25 YES
L0002888	0	0.39520E-05	479933.1	3744556.2	441.0	3.49	10.23	3.25 YES
L0002889	0	0.39520E-05	479933.2	3744578.2	441.0	3.49	10.23	3.25 YES
L0002890	0	0.39520E-05	479933.3	3744600.2	441.0	3.49	10.23	3.25 YES
L0002891	0	0.39520E-05	479933.4	3744622.2	441.0	3.49	10.23	3.25 YES
L0002892	0	0.39520E-05	479933.5	3744644.2	441.0	3.49	10.23	3.25 YES
L0002893	0	0.39520E-05	479933.5	3744666.2	441.0	3.49	10.23	3.25 YES
L0002894	0	0.39520E-05	479933.6	3744688.2	441.0	3.49	10.23	3.25 YES
L0002895	0	0.39520E-05	479933.7	3744710.2	441.0	3.49	10.23	3.25 YES
L0002896	0	0.39520E-05	479933.8	3744732.2	441.0	3.49	10.23	3.25 YES
L0002897	0	0.39520E-05	479933.8	3744754.2	441.0	3.49	10.23	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002898	0	0.39520E-05	479933.9	3744776.2	441.0	3.49	10.23	3.25	YES	
L0002899	0	0.39520E-05	479934.0	3744798.2	441.0	3.49	10.23	3.25	YES	
L0002900	0	0.39520E-05	479934.0	3744820.2	441.0	3.49	10.23	3.25	YES	
L0002901	0	0.39520E-05	479934.1	3744842.2	441.0	3.49	10.23	3.25	YES	
L0002902	0	0.39520E-05	479934.2	3744864.2	441.0	3.49	10.23	3.25	YES	
L0002903	0	0.39520E-05	479934.3	3744886.2	441.0	3.49	10.23	3.25	YES	
L0002904	0	0.39520E-05	479934.3	3744908.2	441.0	3.49	10.23	3.25	YES	
L0002905	0	0.39520E-05	479934.4	3744930.2	441.0	3.49	10.23	3.25	YES	
L0002906	0	0.39520E-05	479934.5	3744952.2	441.0	3.49	10.23	3.25	YES	
L0002907	0	0.39520E-05	479934.5	3744974.2	441.0	3.49	10.23	3.25	YES	
L0002908	0	0.39520E-05	479934.6	3744996.2	441.0	3.49	10.23	3.25	YES	
L0002909	0	0.39520E-05	479934.7	3745018.2	441.0	3.49	10.23	3.25	YES	
L0002910	0	0.39520E-05	479934.8	3745040.2	441.0	3.49	10.23	3.25	YES	
L0002911	0	0.39520E-05	479934.8	3745062.2	441.0	3.49	10.23	3.25	YES	
L0002912	0	0.39520E-05	479934.9	3745084.2	441.0	3.49	10.23	3.25	YES	
L0002913	0	0.39520E-05	479935.0	3745106.2	441.2	3.49	10.23	3.25	YES	

L0002914	0	0.39520E-05	479935.0	3745128.2	441.5	3.49	10.23	3.25 YES
L0002915	0	0.39520E-05	479935.1	3745150.2	441.5	3.49	10.23	3.25 YES
L0002916	0	0.39520E-05	479935.2	3745172.2	441.8	3.49	10.23	3.25 YES
L0002917	0	0.39520E-05	479935.2	3745194.2	442.0	3.49	10.23	3.25 YES
L0002918	0	0.39520E-05	479935.2	3745216.2	442.0	3.49	10.23	3.25 YES
L0002919	0	0.39520E-05	479935.2	3745238.2	442.0	3.49	10.23	3.25 YES
L0002920	0	0.39520E-05	479935.2	3745260.2	442.0	3.49	10.23	3.25 YES
L0002921	0	0.39520E-05	479935.2	3745282.2	442.0	3.49	10.23	3.25 YES
L0002922	0	0.39520E-05	479935.2	3745304.2	442.0	3.49	10.23	3.25 YES
L0002923	0	0.39520E-05	479935.2	3745326.2	442.0	3.49	10.23	3.25 YES
L0002924	0	0.39520E-05	479935.2	3745348.2	442.0	3.49	10.23	3.25 YES
L0002925	0	0.39520E-05	479935.2	3745370.2	442.0	3.49	10.23	3.25 YES
L0002926	0	0.39520E-05	479935.2	3745392.2	442.0	3.49	10.23	3.25 YES
L0002927	0	0.39520E-05	479935.3	3745414.2	442.0	3.49	10.23	3.25 YES
L0002928	0	0.39520E-05	479935.3	3745436.2	442.0	3.49	10.23	3.25 YES
L0002929	0	0.39520E-05	479935.3	3745458.2	442.0	3.49	10.23	3.25 YES
L0002930	0	0.39520E-05	479935.3	3745480.2	442.0	3.49	10.23	3.25 YES
L0002931	0	0.39520E-05	479935.4	3745502.2	442.0	3.49	10.23	3.25 YES
L0002932	0	0.39520E-05	479935.4	3745524.2	442.0	3.49	10.23	3.25 YES
L0002933	0	0.39520E-05	479935.4	3745546.2	442.0	3.49	10.23	3.25 YES
L0002934	0	0.39520E-05	479935.4	3745568.2	442.0	3.49	10.23	3.25 YES
L0002935	0	0.39520E-05	479935.5	3745590.2	442.0	3.49	10.23	3.25 YES
L0002936	0	0.39520E-05	479935.5	3745612.2	442.0	3.49	10.23	3.25 YES
L0002937	0	0.39520E-05	479935.5	3745634.2	442.0	3.49	10.23	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
L0002938	0	0.39520E-05	479935.5	3745656.2	442.0	3.49	10.23	3.25	YES	
L0002939	0	0.39520E-05	479935.6	3745678.2	442.0	3.49	10.23	3.25	YES	
L0002940	0	0.39520E-05	479935.6	3745700.2	442.0	3.49	10.23	3.25	YES	
L0002941	0	0.39520E-05	479935.6	3745722.2	442.0	3.49	10.23	3.25	YES	
L0002942	0	0.39520E-05	479935.7	3745744.2	442.0	3.49	10.23	3.25	YES	
L0002943	0	0.39520E-05	479935.7	3745766.2	442.0	3.49	10.23	3.25	YES	
L0002944	0	0.39520E-05	479935.7	3745788.2	442.0	3.49	10.23	3.25	YES	
L0002945	0	0.39520E-05	479935.7	3745810.2	442.0	3.49	10.23	3.25	YES	
L0002946	0	0.39520E-05	479935.8	3745832.2	442.0	3.49	10.23	3.25	YES	
L0002947	0	0.39520E-05	479935.8	3745854.2	442.0	3.49	10.23	3.25	YES	
L0002948	0	0.39520E-05	479935.8	3745876.2	442.0	3.49	10.23	3.25	YES	
L0002949	0	0.39520E-05	479935.8	3745898.2	442.0	3.49	10.23	3.25	YES	
L0002950	0	0.39520E-05	479935.9	3745920.2	442.0	3.49	10.23	3.25	YES	
L0002951	0	0.39520E-05	479935.9	3745942.2	442.0	3.49	10.23	3.25	YES	

L0002952	0	0.39520E-05	479935.9	3745964.2	442.0	3.49	10.23	3.25 YES
L0002953	0	0.39520E-05	479936.0	3745986.2	442.0	3.49	10.23	3.25 YES
L0002954	0	0.39520E-05	479936.0	3746008.2	442.0	3.49	10.23	3.25 YES
L0002955	0	0.39520E-05	479936.0	3746030.2	442.0	3.49	10.23	3.25 YES
L0002956	0	0.39520E-05	479936.0	3746052.2	442.0	3.49	10.23	3.25 YES
L0002957	0	0.39520E-05	479936.1	3746074.2	442.0	3.49	10.23	3.25 YES
L0002958	0	0.39520E-05	479936.1	3746096.2	442.0	3.49	10.23	3.25 YES
L0002959	0	0.39520E-05	479936.1	3746118.2	442.0	3.49	10.23	3.25 YES
L0002960	0	0.39520E-05	479936.2	3746140.2	442.4	3.49	10.23	3.25 YES
L0002961	0	0.39520E-05	479936.5	3746162.2	442.7	3.49	10.23	3.25 YES
L0002962	0	0.39520E-05	479936.8	3746184.2	443.0	3.49	10.23	3.25 YES
L0002963	0	0.39520E-05	479937.0	3746206.2	443.0	3.49	10.23	3.25 YES
L0002964	0	0.39520E-05	479937.3	3746228.2	443.0	3.49	10.23	3.25 YES
L0002965	0	0.39520E-05	479937.6	3746250.2	443.0	3.49	10.23	3.25 YES
L0002966	0	0.39520E-05	479937.9	3746272.2	443.0	3.49	10.23	3.25 YES
L0002967	0	0.39520E-05	479938.2	3746294.2	443.0	3.49	10.23	3.25 YES
L0002968	0	0.39520E-05	479938.5	3746316.2	443.0	3.49	10.23	3.25 YES
L0002969	0	0.39520E-05	479938.8	3746338.2	443.4	3.49	10.23	3.25 YES
L0002970	0	0.39520E-05	479934.8	3746355.9	444.0	3.49	10.23	3.25 YES
L0002971	0	0.39520E-05	479912.8	3746355.8	444.0	3.49	10.23	3.25 YES
L0002972	0	0.39520E-05	479890.8	3746355.8	444.0	3.49	10.23	3.25 YES
L0002973	0	0.39520E-05	479868.8	3746355.7	444.0	3.49	10.23	3.25 YES
L0002974	0	0.39520E-05	479846.8	3746355.7	444.0	3.49	10.23	3.25 YES
L0002975	0	0.39520E-05	479824.8	3746355.6	444.0	3.49	10.23	3.25 YES

```
 L0002976         0   0.39520E-05  479802.8 3746355.6   444.0     3.49    10.23
3.25     YES
 L0002977         0   0.39520E-05  479780.8 3746355.5   444.0     3.49    10.23
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

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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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 L0002978         0   0.39520E-05  479758.8 3746355.5   444.0     3.49    10.23
3.25     YES
 L0002979         0   0.39520E-05  479736.8 3746355.4   444.0     3.49    10.23
3.25     YES
 L0002980         0   0.39520E-05  479714.8 3746355.4   444.0     3.49    10.23
3.25     YES
 L0002981         0   0.39520E-05  479692.8 3746355.3   444.0     3.49    10.23
3.25     YES
 L0002982         0   0.39520E-05  479670.8 3746355.2   444.0     3.49    10.23
3.25     YES
 L0002983         0   0.39520E-05  479648.8 3746355.2   444.0     3.49    10.23
3.25     YES
 L0002984         0   0.39520E-05  479626.8 3746355.1   444.0     3.49    10.23
3.25     YES
 L0002985         0   0.39520E-05  479604.8 3746355.1   444.0     3.49    10.23
3.25     YES
 L0002986         0   0.39520E-05  479582.8 3746355.0   444.0     3.49    10.23
3.25     YES
 L0002987         0   0.39520E-05  479560.8 3746355.0   444.0     3.49    10.23
3.25     YES
 L0002988         0   0.39520E-05  479538.8 3746354.9   444.0     3.49    10.23
3.25     YES
 L0002989         0   0.39520E-05  479516.8 3746354.9   444.0     3.49    10.23
3.25     YES
```

L0002990	0	0.39520E-05	479494.8	3746354.8	444.0	3.49	10.23	3.25 YES
L0002991	0	0.39520E-05	479472.8	3746354.8	444.0	3.49	10.23	3.25 YES
L0002992	0	0.39520E-05	479450.8	3746354.7	444.0	3.49	10.23	3.25 YES
L0002993	0	0.39520E-05	479428.8	3746354.6	444.0	3.49	10.23	3.25 YES
L0002994	0	0.39520E-05	479406.8	3746354.6	444.1	3.49	10.23	3.25 YES
L0002995	0	0.39520E-05	479384.8	3746354.5	444.8	3.49	10.23	3.25 YES
L0002996	0	0.39520E-05	479362.8	3746354.5	444.9	3.49	10.23	3.25 YES
L0002997	0	0.39520E-05	479340.8	3746354.4	445.0	3.49	10.23	3.25 YES
L0002998	0	0.39520E-05	479318.8	3746354.4	445.0	3.49	10.23	3.25 YES
L0002999	0	0.39520E-05	479296.8	3746354.3	445.0	3.49	10.23	3.25 YES
L0003000	0	0.39520E-05	479274.8	3746354.3	445.0	3.49	10.23	3.25 YES
L0003001	0	0.39520E-05	479252.8	3746354.2	445.0	3.49	10.23	3.25 YES
L0003002	0	0.39520E-05	479230.8	3746354.2	445.0	3.49	10.23	3.25 YES
L0003003	0	0.39520E-05	479208.8	3746354.1	445.0	3.49	10.23	3.25 YES
L0003004	0	0.39520E-05	479186.8	3746354.1	445.0	3.49	10.23	3.25 YES
L0003005	0	0.39520E-05	479164.8	3746354.0	445.0	3.49	10.23	3.25 YES
L0003006	0	0.39520E-05	479142.8	3746354.1	445.0	3.49	10.23	3.25 YES
L0003007	0	0.39520E-05	479120.8	3746354.2	445.0	3.49	10.23	3.25 YES
L0003008	0	0.39520E-05	479098.8	3746354.4	445.0	3.49	10.23	3.25 YES
L0003009	0	0.39520E-05	479076.8	3746354.5	445.0	3.49	10.23	3.25 YES
L0003010	0	0.39520E-05	479054.8	3746354.6	445.0	3.49	10.23	3.25 YES
L0003011	0	0.39520E-05	479032.8	3746354.8	445.0	3.49	10.23	3.25 YES
L0003012	0	0.39520E-05	479010.8	3746354.9	445.0	3.49	10.23	3.25 YES
L0003013	0	0.39520E-05	478988.8	3746355.0	445.0	3.49	10.23	3.25 YES

 L0003014   0   0.39520E-05 478966.8 3746355.2   445.0   3.49   10.23
3.25   YES
 L0003015   0   0.39520E-05 478944.8 3746355.3   445.0   3.49   10.23
3.25   YES
 L0003016   0   0.39520E-05 478922.8 3746355.5   445.0   3.49   10.23
3.25   YES
 L0003017   0   0.39520E-05 478900.8 3746355.6   445.0   3.49   10.23
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0003018   0   0.39520E-05 478878.8 3746355.7   445.0   3.49   10.23
3.25   YES
 L0003019   0   0.39520E-05 478856.8 3746355.9   445.0   3.49   10.23
3.25   YES
 L0003020   0   0.39520E-05 478834.8 3746356.0   445.0   3.49   10.23
3.25   YES
 L0003021   0   0.39520E-05 478812.8 3746356.1   445.0   3.49   10.23
3.25   YES
 L0003022   0   0.39520E-05 478790.8 3746356.3   445.0   3.49   10.23
3.25   YES
 L0003023   0   0.39520E-05 478768.8 3746356.4   445.0   3.49   10.23
3.25   YES
 L0003024   0   0.39520E-05 478746.8 3746356.5   445.0   3.49   10.23
3.25   YES
 L0003025   0   0.39520E-05 478724.8 3746356.7   445.0   3.49   10.23
3.25   YES
 L0003026   0   0.39520E-05 478702.8 3746356.8   445.6   3.49   10.23
3.25   YES
 L0003027   0   0.39520E-05 478680.8 3746356.9   446.0   3.49   10.23
3.25   YES

L0003028	0	0.39520E-05	478658.8	3746357.0	446.0	3.49	10.23	3.25 YES
L0003029	0	0.39520E-05	478636.8	3746357.0	446.0	3.49	10.23	3.25 YES
L0003030	0	0.39520E-05	478614.8	3746357.1	446.0	3.49	10.23	3.25 YES
L0003031	0	0.39520E-05	478592.8	3746357.1	446.0	3.49	10.23	3.25 YES
L0003032	0	0.39520E-05	478570.8	3746357.2	446.0	3.49	10.23	3.25 YES
L0003033	0	0.39520E-05	478548.8	3746357.3	446.0	3.49	10.23	3.25 YES
L0003034	0	0.39520E-05	478526.8	3746357.3	446.0	3.49	10.23	3.25 YES
L0003035	0	0.39520E-05	478504.8	3746357.4	446.0	3.49	10.23	3.25 YES
L0003036	0	0.39520E-05	478482.8	3746357.4	446.0	3.49	10.23	3.25 YES
L0003037	0	0.39520E-05	478460.8	3746357.5	446.0	3.49	10.23	3.25 YES
L0003038	0	0.39520E-05	478438.8	3746357.6	446.0	3.49	10.23	3.25 YES
L0003039	0	0.39520E-05	478416.8	3746357.6	446.0	3.49	10.23	3.25 YES
L0003040	0	0.39520E-05	478394.8	3746357.7	446.0	3.49	10.23	3.25 YES
L0003041	0	0.39520E-05	478372.8	3746357.7	446.0	3.49	10.23	3.25 YES
L0003042	0	0.39520E-05	478350.8	3746357.8	446.0	3.49	10.23	3.25 YES
L0003043	0	0.39520E-05	478328.8	3746357.9	446.0	3.49	10.23	3.25 YES
L0003044	0	0.39520E-05	478306.8	3746358.0	446.0	3.49	10.23	3.25 YES
L0003045	0	0.39520E-05	478284.8	3746358.1	446.5	3.49	10.23	3.25 YES
L0003046	0	0.39520E-05	478262.8	3746358.1	447.0	3.49	10.23	3.25 YES
L0003047	0	0.39520E-05	478240.8	3746358.2	447.0	3.49	10.23	3.25 YES
L0003048	0	0.39520E-05	478218.8	3746358.3	447.0	3.49	10.23	3.25 YES
L0003049	0	0.39520E-05	478196.8	3746358.4	447.0	3.49	10.23	3.25 YES
L0003050	0	0.39520E-05	478174.8	3746358.5	447.0	3.49	10.23	3.25 YES
L0003051	0	0.39520E-05	478152.8	3746358.6	447.0	3.49	10.23	3.25 YES

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 L0003052         0   0.39520E-05  478130.8 3746358.7   447.0     3.49    10.23
3.25     YES
 L0003053         0   0.39520E-05  478108.8 3746358.8   447.0     3.49    10.23
3.25     YES
 L0003054         0   0.39520E-05  478086.8 3746358.9   447.0     3.49    10.23
3.25     YES
 L0003055         0   0.39520E-05  478064.8 3746359.0   447.0     3.49    10.23
3.25     YES
 L0003056         0   0.39520E-05  478042.8 3746359.1   447.0     3.49    10.23
3.25     YES
 L0003057         0   0.39520E-05  478020.8 3746359.2   447.0     3.49    10.23
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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 L0003058         0   0.39520E-05  477998.8 3746359.2   447.0     3.49    10.23
3.25     YES
 L0003059         0   0.39520E-05  477976.8 3746359.3   447.0     3.49    10.23
3.25     YES
 L0003060         0   0.39520E-05  477954.8 3746359.1   447.1     3.49    10.23
3.25     YES
 L0003061         0   0.39520E-05  477932.8 3746358.8   447.3     3.49    10.23
3.25     YES
 L0003062         0   0.39520E-05  477910.8 3746358.6   448.0     3.49    10.23
3.25     YES
 L0003063         0   0.39520E-05  477888.8 3746358.4   448.0     3.49    10.23
3.25     YES
 L0003064         0   0.39520E-05  477866.8 3746358.1   448.0     3.49    10.23
3.25     YES
 L0003065         0   0.39520E-05  477844.8 3746357.9   448.0     3.49    10.23
3.25     YES
```

L0003066	0	0.39520E-05	477822.8	3746357.6	448.0	3.49	10.23	3.25 YES
L0003067	0	0.39520E-05	477800.8	3746357.4	448.0	3.49	10.23	3.25 YES
L0003068	0	0.39520E-05	477778.8	3746357.2	448.0	3.49	10.23	3.25 YES
L0003069	0	0.39520E-05	477756.8	3746356.9	448.0	3.49	10.23	3.25 YES
L0003070	0	0.39520E-05	477734.8	3746357.0	448.0	3.49	10.23	3.25 YES
L0003071	0	0.39520E-05	477712.8	3746357.1	448.0	3.49	10.23	3.25 YES
L0003072	0	0.39520E-05	477690.8	3746357.2	448.0	3.49	10.23	3.25 YES
L0003073	0	0.39520E-05	477668.8	3746357.3	448.0	3.49	10.23	3.25 YES
L0003074	0	0.39520E-05	477646.8	3746357.4	448.0	3.49	10.23	3.25 YES
L0003075	0	0.39520E-05	477624.8	3746357.5	448.5	3.49	10.23	3.25 YES
L0003076	0	0.39520E-05	477602.8	3746357.6	449.0	3.49	10.23	3.25 YES
L0003077	0	0.39520E-05	477580.8	3746357.6	449.0	3.49	10.23	3.25 YES
L0003078	0	0.39520E-05	477558.8	3746356.9	449.0	3.49	10.23	3.25 YES
L0003079	0	0.39520E-05	477536.8	3746356.2	449.0	3.49	10.23	3.25 YES
L0003080	0	0.39520E-05	477514.8	3746355.5	449.0	3.49	10.23	3.25 YES
L0003081	0	0.39520E-05	477492.8	3746354.8	449.0	3.49	10.23	3.25 YES
L0003082	0	0.39520E-05	477471.0	3746355.8	449.6	3.49	10.23	3.25 YES
L0003083	0	0.39520E-05	477449.3	3746359.3	450.0	3.49	10.23	3.25 YES
L0003084	0	0.39520E-05	477427.6	3746362.9	450.0	3.49	10.23	3.25 YES
L0003085	0	0.39520E-05	477408.3	3746372.9	450.0	3.49	10.23	3.25 YES
L0003086	0	0.39520E-05	477389.7	3746384.6	450.0	3.49	10.23	3.25 YES
L0003087	0	0.39520E-05	477371.1	3746396.4	450.0	3.49	10.23	3.25 YES
L0003088	0	0.39520E-05	477352.5	3746408.1	450.0	3.49	10.23	3.25 YES
L0003089	0	0.39520E-05	477334.3	3746420.5	450.0	3.49	10.23	3.25 YES

 L0003090   0   0.39520E-05 477316.4 3746433.3   450.0   3.49   10.23
3.25   YES
 L0003091   0   0.39520E-05 477298.5 3746446.1   450.0   3.49   10.23
3.25   YES
 L0003092   0   0.39520E-05 477280.6 3746458.9   450.0   3.49   10.23
3.25   YES
 L0003093   0   0.39520E-05 477262.8 3746471.8   450.0   3.49   10.23
3.25   YES
 L0003094   0   0.39520E-05 477244.9 3746484.6   450.1   3.49   10.23
3.25   YES
 L0003095   0   0.39520E-05 477227.0 3746497.3   450.2   3.49   10.23
3.25   YES
 L0003096   0   0.39520E-05 477208.9 3746509.9   450.4   3.49   10.23
3.25   YES
 L0003097   0   0.39520E-05 477190.2 3746521.2   451.0   3.49   10.23
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0003098   0   0.39520E-05 477169.3 3746527.9   451.0   3.49   10.23
3.25   YES
 L0003099   0   0.39520E-05 477148.3 3746534.5   451.0   3.49   10.23
3.25   YES
 L0003100   0   0.39520E-05 477127.3 3746541.2   451.0   3.49   10.23
3.25   YES
 L0003101   0   0.39520E-05 477105.7 3746544.4   451.0   3.49   10.23
3.25   YES
 L0003102   0   0.39520E-05 477083.8 3746546.5   451.0   3.49   10.23
3.25   YES
 L0003103   0   0.39520E-05 477061.9 3746548.6   451.2   3.49   10.23
3.25   YES

L0003104	0	0.39520E-05	477039.9	3746550.1	451.5	3.49	10.23	3.25 YES
L0003105	0	0.39520E-05	477017.9	3746550.5	451.9	3.49	10.23	3.25 YES
L0003106	0	0.39520E-05	476995.9	3746550.9	452.0	3.49	10.23	3.25 YES
L0003107	0	0.39520E-05	476973.9	3746551.1	452.0	3.49	10.23	3.25 YES
L0003108	0	0.39520E-05	476951.9	3746550.8	452.0	3.49	10.23	3.25 YES
L0003109	0	0.39520E-05	476929.9	3746550.5	452.0	3.49	10.23	3.25 YES
L0003110	0	0.39520E-05	476907.9	3746550.2	452.2	3.49	10.23	3.25 YES
L0003111	0	0.39520E-05	476885.9	3746549.8	452.6	3.49	10.23	3.25 YES
L0003112	0	0.39520E-05	476863.9	3746549.5	452.9	3.49	10.23	3.25 YES
L0003113	0	0.39520E-05	476841.9	3746549.2	453.0	3.49	10.23	3.25 YES
L0003114	0	0.39520E-05	476820.0	3746548.9	453.0	3.49	10.23	3.25 YES
L0003115	0	0.39520E-05	476798.0	3746548.6	453.0	3.49	10.23	3.25 YES
L0003116	0	0.39520E-05	476776.0	3746548.3	454.0	3.49	10.23	3.25 YES
L0003117	0	0.39520E-05	476754.0	3746547.9	454.0	3.49	10.23	3.25 YES
L0003118	0	0.39520E-05	476732.0	3746547.6	454.3	3.49	10.23	3.25 YES
L0003119	0	0.39520E-05	476710.0	3746548.3	455.0	3.49	10.23	3.25 YES
L0003120	0	0.39520E-05	476688.0	3746549.1	455.0	3.49	10.23	3.25 YES
L0003121	0	0.39520E-05	476666.0	3746549.9	455.0	3.49	10.23	3.25 YES
L0003122	0	0.39520E-05	476644.0	3746550.0	455.1	3.49	10.23	3.25 YES
L0003123	0	0.39520E-05	476622.9	3746555.0	455.3	3.49	10.23	3.25 YES
L0003124	0	0.39520E-05	476603.1	3746564.6	455.6	3.49	10.23	3.25 YES
L0003125	0	0.39520E-05	476583.5	3746574.6	456.0	3.49	10.23	3.25 YES
L0003126	0	0.39520E-05	476564.5	3746585.6	456.0	3.49	10.23	3.25 YES
L0003127	0	0.39520E-05	476547.4	3746599.4	456.0	3.49	10.23	3.25 YES

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 L0003128         0   0.39520E-05  476531.9 3746614.8   456.0     3.49    10.23
3.25     YES
 L0003129         0   0.39520E-05  476518.6 3746632.3   456.0     3.49    10.23
3.25     YES
 L0003130         0   0.39520E-05  476505.7 3746650.0   456.0     3.49    10.23
3.25     YES
 L0003131         0   0.39520E-05  476497.4 3746670.4   456.1     3.49    10.23
3.25     YES
 L0003132         0   0.39520E-05  476489.2 3746690.8   456.4     3.49    10.23
3.25     YES
 L0003133         0   0.39520E-05  476481.0 3746711.2   456.6     3.49    10.23
3.25     YES
 L0003134         0   0.39520E-05  476475.1 3746732.4   456.4     3.49    10.23
3.25     YES
 L0003135         0   0.39520E-05  476469.1 3746753.6   456.0     3.49    10.23
3.25     YES
 L0003136         0   0.39520E-05  476463.1 3746774.7   456.2     3.49    10.23
3.25     YES
 L0003137         0   0.39520E-05  476457.1 3746795.9   456.4     3.49    10.23
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:15:28

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

 L0003138         0   0.39520E-05  476451.1 3746817.1   456.4     3.49    10.23
3.25     YES
 L0003139         0   0.39520E-05  476442.8 3746837.4   456.0     3.49    10.23
3.25     YES
 L0003140         0   0.39520E-05  476434.1 3746857.6   456.2     3.49    10.23
3.25     YES
 L0003141         0   0.39520E-05  476423.5 3746876.4   456.4     3.49    10.23
3.25     YES
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L0003142	0	0.39520E-05	476407.0	3746891.0	456.2	3.49	10.23	3.25 YES
L0003143	0	0.39520E-05	476390.5	3746905.5	456.4	3.49	10.23	3.25 YES
L0003144	0	0.39520E-05	476373.6	3746919.5	456.4	3.49	10.23	3.25 YES
L0003145	0	0.39520E-05	476353.8	3746929.2	456.8	3.49	10.23	3.25 YES
L0003146	0	0.39520E-05	476334.1	3746938.9	456.8	3.49	10.23	3.25 YES
L0003147	0	0.39520E-05	476314.4	3746948.6	457.0	3.49	10.23	3.25 YES
L0003148	0	0.39520E-05	476292.8	3746950.7	457.0	3.49	10.23	3.25 YES
L0003149	0	0.39520E-05	476270.8	3746951.0	457.0	3.49	10.23	3.25 YES
L0003150	0	0.39520E-05	476248.8	3746951.3	457.0	3.49	10.23	3.25 YES
L0003151	0	0.39520E-05	476226.8	3746951.6	457.0	3.49	10.23	3.25 YES
L0003152	0	0.39520E-05	476204.8	3746951.8	457.1	3.49	10.23	3.25 YES
L0003153	0	0.39520E-05	476182.8	3746952.1	457.6	3.49	10.23	3.25 YES
L0003154	0	0.39520E-05	476160.8	3746952.4	458.0	3.49	10.23	3.25 YES
L0003155	0	0.39520E-05	476138.8	3746952.6	458.0	3.49	10.23	3.25 YES
L0003156	0	0.39520E-05	476116.8	3746952.6	458.8	3.49	10.23	3.25 YES
L0003157	0	0.39520E-05	476094.8	3746952.6	459.0	3.49	10.23	3.25 YES
L0003158	0	0.39520E-05	476072.8	3746952.6	459.2	3.49	10.23	3.25 YES
L0003159	0	0.39520E-05	476050.8	3746952.6	460.0	3.49	10.23	3.25 YES
L0003160	0	0.39520E-05	476028.8	3746952.6	460.0	3.49	10.23	3.25 YES
L0003161	0	0.39520E-05	476026.8	3746951.3	460.0	3.49	10.23	3.25 YES
L0003291	0	0.12040E-05	479930.2	3743660.8	439.7	3.49	10.23	3.25 YES
L0003292	0	0.12040E-05	479930.4	3743682.8	439.7	3.49	10.23	3.25 YES
L0003293	0	0.12040E-05	479930.5	3743704.8	439.9	3.49	10.23	3.25 YES
L0003294	0	0.12040E-05	479930.7	3743726.8	440.0	3.49	10.23	3.25 YES

 L0003295   0   0.12040E-05 479930.8 3743748.8   440.0   3.49   10.23
3.25   YES
 L0003296   0   0.12040E-05 479930.9 3743770.8   440.0   3.49   10.23
3.25   YES
 L0003297   0   0.12040E-05 479930.9 3743792.8   440.0   3.49   10.23
3.25   YES
 L0003298   0   0.12040E-05 479930.9 3743814.8   440.0   3.49   10.23
3.25   YES
 L0003299   0   0.12040E-05 479930.9 3743836.8   440.0   3.49   10.23
3.25   YES
 L0003300   0   0.12040E-05 479930.9 3743858.8   440.0   3.49   10.23
3.25   YES
 L0003301   0   0.12040E-05 479930.9 3743880.8   440.0   3.49   10.23
3.25   YES
 L0003302   0   0.12040E-05 479930.9 3743902.8   440.0   3.49   10.23
3.25   YES
 L0003303   0   0.12040E-05 479930.9 3743924.8   440.0   3.49   10.23
3.25   YES
 L0003304   0   0.12040E-05 479930.9 3743946.8   440.0   3.49   10.23
3.25   YES
 L0003305   0   0.12040E-05 479930.9 3743968.8   440.0   3.49   10.23
3.25   YES
 L0003306   0   0.12040E-05 479930.9 3743990.8   440.0   3.49   10.23
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0003307   0   0.12040E-05 479930.9 3744012.8   440.0   3.49   10.23
3.25   YES
 L0003308   0   0.12040E-05 479930.9 3744034.8   440.0   3.49   10.23
3.25   YES

L0003309	0	0.12040E-05	479930.9	3744056.8	440.0	3.49	10.23	3.25 YES
L0003310	0	0.12040E-05	479930.9	3744078.8	440.0	3.49	10.23	3.25 YES
L0003311	0	0.12040E-05	479930.9	3744100.8	440.0	3.49	10.23	3.25 YES
L0003312	0	0.12040E-05	479930.9	3744122.8	440.0	3.49	10.23	3.25 YES
L0003523	0	0.12050E-05	479930.4	3743660.6	439.7	3.49	10.23	3.25 YES
L0003524	0	0.12050E-05	479930.5	3743682.6	439.7	3.49	10.23	3.25 YES
L0003525	0	0.12050E-05	479930.6	3743704.6	439.9	3.49	10.23	3.25 YES
L0003526	0	0.12050E-05	479930.7	3743726.6	440.0	3.49	10.23	3.25 YES
L0003527	0	0.12050E-05	479930.8	3743748.6	440.0	3.49	10.23	3.25 YES
L0003528	0	0.12050E-05	479930.9	3743770.6	440.0	3.49	10.23	3.25 YES
L0003529	0	0.12050E-05	479930.9	3743792.6	440.0	3.49	10.23	3.25 YES
L0003530	0	0.12050E-05	479930.9	3743814.6	440.0	3.49	10.23	3.25 YES
L0003531	0	0.12050E-05	479930.9	3743836.6	440.0	3.49	10.23	3.25 YES
L0003532	0	0.12050E-05	479930.9	3743858.6	440.0	3.49	10.23	3.25 YES
L0003533	0	0.12050E-05	479930.9	3743880.6	440.0	3.49	10.23	3.25 YES
L0003534	0	0.12050E-05	479930.9	3743902.6	440.0	3.49	10.23	3.25 YES
L0003535	0	0.12050E-05	479930.9	3743924.6	440.0	3.49	10.23	3.25 YES
L0003536	0	0.12050E-05	479930.9	3743946.6	440.0	3.49	10.23	3.25 YES
L0003537	0	0.12050E-05	479930.9	3743968.6	440.0	3.49	10.23	3.25 YES
L0003538	0	0.12050E-05	479930.9	3743990.6	440.0	3.49	10.23	3.25 YES
L0003539	0	0.12050E-05	479930.9	3744012.6	440.0	3.49	10.23	3.25 YES
L0003540	0	0.12050E-05	479930.9	3744034.6	440.0	3.49	10.23	3.25 YES
L0003541	0	0.12050E-05	479930.9	3744056.6	440.0	3.49	10.23	3.25 YES
L0003542	0	0.12050E-05	479930.9	3744078.6	440.0	3.49	10.23	3.25 YES

 L0003543   0   0.12050E-05 479930.9 3744100.6   440.0   3.49   10.23
3.25   YES
 L0003544   0   0.12050E-05 479930.9 3744122.6   440.0   3.49   10.23
3.25   YES
 L0003545   0   0.40870E-06 479932.1 3743856.3   440.0   3.49   10.23
3.25   YES
 L0003546   0   0.40870E-06 479932.0 3743878.3   440.0   3.49   10.23
3.25   YES
 L0003547   0   0.40870E-06 479931.9 3743900.3   440.0   3.49   10.23
3.25   YES
 L0003548   0   0.40870E-06 479931.8 3743922.3   440.0   3.49   10.23
3.25   YES
 L0003549   0   0.40870E-06 479931.7 3743944.3   440.0   3.49   10.23
3.25   YES
 L0003550   0   0.40870E-06 479931.6 3743966.3   440.0   3.49   10.23
3.25   YES
 L0003551   0   0.40870E-06 479931.5 3743988.3   440.0   3.49   10.23
3.25   YES
 L0003552   0   0.40870E-06 479931.4 3744010.3   440.0   3.49   10.23
3.25   YES
 L0003553   0   0.40870E-06 479931.4 3744032.3   440.0   3.49   10.23
3.25   YES
 L0003554   0   0.40870E-06 479931.3 3744054.3   440.0   3.49   10.23
3.25   YES
 L0003555   0   0.40870E-06 479931.2 3744076.3   440.0   3.49   10.23
3.25   YES
 L0003556   0   0.40870E-06 479931.1 3744098.3   440.0   3.49   10.23
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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L0003557	0	0.40870E-06	479931.0	3744120.3	440.0	3.49	10.23	3.25 YES
L0003558	0	0.59650E-06	479930.9	3743776.0	440.0	3.49	10.23	3.25 YES
L0003559	0	0.59650E-06	479930.9	3743798.0	440.0	3.49	10.23	3.25 YES
L0003560	0	0.59650E-06	479930.9	3743820.0	440.0	3.49	10.23	3.25 YES
L0003561	0	0.59650E-06	479930.9	3743842.0	440.0	3.49	10.23	3.25 YES
L0003562	0	0.59650E-06	479930.9	3743864.0	440.0	3.49	10.23	3.25 YES
L0003563	0	0.59650E-06	479930.9	3743886.0	440.0	3.49	10.23	3.25 YES
L0003564	0	0.59650E-06	479930.9	3743908.0	440.0	3.49	10.23	3.25 YES
L0003565	0	0.59650E-06	479930.9	3743930.0	440.0	3.49	10.23	3.25 YES
L0003566	0	0.59650E-06	479930.9	3743952.0	440.0	3.49	10.23	3.25 YES
L0003567	0	0.59650E-06	479930.9	3743974.0	440.0	3.49	10.23	3.25 YES
L0003568	0	0.59650E-06	479930.9	3743996.0	440.0	3.49	10.23	3.25 YES
L0003569	0	0.59650E-06	479930.9	3744018.0	440.0	3.49	10.23	3.25 YES
L0003570	0	0.59650E-06	479930.9	3744040.0	440.0	3.49	10.23	3.25 YES
L0003571	0	0.59650E-06	479930.9	3744062.0	440.0	3.49	10.23	3.25 YES
L0003572	0	0.59650E-06	479930.9	3744084.0	440.0	3.49	10.23	3.25 YES
L0003573	0	0.59650E-06	479930.9	3744106.0	440.0	3.49	10.23	3.25 YES
L0003574	0	0.59650E-06	479930.9	3744128.0	440.0	3.49	10.23	3.25 YES
L0003271	0	0.47380E-06	480145.8	3744148.1	439.7	3.49	10.23	3.25 YES
L0003272	0	0.47380E-06	480123.8	3744147.8	440.0	3.49	10.23	3.25 YES
L0003273	0	0.47380E-06	480101.8	3744147.6	440.0	3.49	10.23	3.25 YES
L0003274	0	0.47380E-06	480079.8	3744147.3	440.0	3.49	10.23	3.25 YES
L0003275	0	0.47380E-06	480057.8	3744147.0	440.0	3.49	10.23	3.25 YES
L0003276	0	0.47380E-06	480035.8	3744146.8	440.0	3.49	10.23	3.25 YES

 L0003277   0   0.47380E-06 480013.8 3744146.5   440.0   3.49   10.23
3.25   YES
 L0003278   0   0.47380E-06 479991.8 3744146.2   440.0   3.49   10.23
3.25   YES
 L0003279   0   0.47380E-06 479969.8 3744146.0   440.0   3.49   10.23
3.25   YES
 L0003280   0   0.47380E-06 479947.8 3744145.7   440.0   3.49   10.23
3.25   YES
 L0003281   0   0.94770E-07 480145.8 3744148.1   439.7   3.49   10.23
3.25   YES
 L0003282   0   0.94770E-07 480123.8 3744147.8   440.0   3.49   10.23
3.25   YES
 L0003283   0   0.94770E-07 480101.8 3744147.6   440.0   3.49   10.23
3.25   YES
 L0003284   0   0.94770E-07 480079.8 3744147.3   440.0   3.49   10.23
3.25   YES
 L0003285   0   0.94770E-07 480057.8 3744147.0   440.0   3.49   10.23
3.25   YES
 L0003286   0   0.94770E-07 480035.8 3744146.8   440.0   3.49   10.23
3.25   YES
 L0003287   0   0.94770E-07 480013.8 3744146.5   440.0   3.49   10.23
3.25   YES
 L0003288   0   0.94770E-07 479991.8 3744146.2   440.0   3.49   10.23
3.25   YES
 L0003289   0   0.94770E-07 479969.8 3744146.0   440.0   3.49   10.23
3.25   YES
 L0003290   0   0.94770E-07 479947.8 3744145.7   440.0   3.49   10.23
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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  ALL   L0002458   , L0002459   , L0002460   , L0002461   , L0002462   ,
L0002463   , L0002464   , L0002465   ,

             L0002466   , L0002467   , L0002468   , L0002469   , L0002470   ,

L0002471 , L0002472 , L0002473 ,

L0002474 , L0002475 , L0002476 , L0002477 , L0002478 ,
L0002479 , L0002480 , L0002481 ,

L0002482 , L0002483 , L0002484 , L0002485 , L0002486 ,
L0002487 , L0002488 , L0002489 ,

L0002490 , L0002491 , L0002492 , L0002493 , L0002494 ,
L0002495 , L0002496 , L0002497 ,

L0002498 , L0002499 , L0002500 , L0002501 , L0002502 ,
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L0002543 , L0002544 , L0002545 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
*** AERMET - VERSION 16216 *** *** 11:15:28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

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

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

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

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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L0003291 , L0003292 , L0003293 , L0003294 , L0003295 , L0003296 , L0003297 , L0003298 ,

L0003299 , L0003300 , L0003301 , L0003302 , L0003303 , L0003304 , L0003305 , L0003306 ,

L0003307 , L0003308 , L0003309 , L0003310 , L0003311 , L0003312 , L0003523 , L0003524 ,

L0003525 , L0003526 , L0003527 , L0003528 , L0003529 , L0003530 , L0003531 , L0003532 ,

L0003533 , L0003534 , L0003535 , L0003536 , L0003537 , L0003538 , L0003539 , L0003540 ,

L0003541 , L0003542 , L0003543 , L0003544 , L0003545 , L0003546 , L0003547 , L0003548 ,

L0003549 , L0003550 , L0003551 , L0003552 , L0003553 , L0003554 , L0003555 , L0003556 ,

L0003557 , L0003558 , L0003559 , L0003560 , L0003561 , L0003562 , L0003563 , L0003564 ,

L0003565 , L0003566 , L0003567 , L0003568 , L0003569 , L0003570 , L0003571 , L0003572 ,

L0003573 , L0003574 , L0003271 , L0003272 , L0003273 , L0003274 , L0003275 , L0003276 ,

L0003277 , L0003278 , L0003279 , L0003280 , L0003281 , L0003282 , L0003283 , L0003284 ,

L0003285 , L0003286 , L0003287 , L0003288 , L0003289 , L0003290 ,

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19

*** AERMET - VERSION 16216 *** *** *** 11:15:28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(480042.5, 3743317.1, 439.0, 439.0, 0.0); (480243.6, 3743232.1, 438.0, 438.0, 0.0);
(479762.5, 3743382.8, 440.0, 440.0, 0.0); (479687.6, 3743403.5, 440.0, 440.0, 0.0);
(479693.9, 3743370.6, 440.0, 440.0, 0.0); (480701.2, 3743542.8, 439.0, 439.0, 0.0);
(480699.5, 3743170.1, 438.0, 438.0, 0.0); (480713.7, 3743930.5, 440.0, 440.0, 0.0);
(479886.1, 3744868.0, 441.0, 441.0, 0.0); (479887.5, 3744694.3, 441.0, 441.0, 0.0);
(480133.2, 3743178.7, 439.0, 439.0, 0.0); (479889.5, 3743527.5, 440.0, 440.0, 0.0);
(480385.3, 3744192.7, 440.0, 440.0, 0.0); (479896.1, 3743941.9, 440.0, 440.0, 0.0);
(479965.3, 3743314.3, 439.0, 439.0, 0.0); (480190.4, 3743316.2, 439.0, 439.0, 0.0);
(479845.7, 3744334.3, 441.0, 441.0, 0.0); (480075.3, 3744196.9, 440.0, 440.0, 0.0);
(480181.8, 3744193.6, 439.9, 439.9, 0.0); (479963.8, 3744721.2, 441.0, 441.0, 0.0);
(479895.5, 3746002.5, 442.0, 780.0, 0.0); (480025.4, 3746203.5, 442.0, 780.0, 0.0);
(478015.5, 3746309.3, 447.0, 447.0, 0.0); (476443.3, 3746575.0, 457.0, 457.0, 0.0);
(480379.0, 3743825.8, 439.0, 439.0, 0.0); (480340.0,

```
3743993.4,     439.0,     439.0,       0.0);
     ( 480332.5, 3744060.7,     439.0,     439.0,       0.0);         ( 478217.9,
3742297.8,     445.0,     445.0,       0.0);
     ( 479995.6, 3741926.5,     437.0,     437.0,       0.0);         ( 480064.7,
3741790.9,     437.0,     437.0,       0.0);
     ( 480141.4, 3741915.3,     437.0,     437.0,       0.0);         ( 477366.7,
3744251.0,     454.0,     454.0,       0.0);
     ( 480868.1, 3744203.6,     441.0,     441.0,       0.0);

↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:15:28

                                   PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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



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

                                                 1.54,   3.09,   5.14,   8.23,
10.80,
```

↑ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 ***   10/31/19
*** AERMET - VERSION 16216 ***   ***
***   11:15:28

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: PERRISADJU\PERI_V9_ADJU\PERI_V9.SFC
Met Version: 16216
Profile file: PERRISADJU\PERI_V9_ADJU\PERI_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:   3171   Upper air station no.:   3190
Name: UNKNOWN   Name: UNKNOWN

Year: 2010   Year: 2010

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
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61						

```
0.26    0.40  188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61
0.23    2.70  310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61
0.22    2.20  357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61
0.22    2.20  356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61
0.23    2.20   50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61
0.27    1.80   53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61
0.36    1.80   11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61
0.64    0.90  351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61
1.00    0.90  186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61
1.00    0.90  275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61
1.00    0.40  181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61
1.00    1.30  318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61
1.00    0.90  196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61
1.00    0.90  330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61
1.00    1.30  332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 ***        10/31/19
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0002458    , L0002459
```

, L0002460 , L0002461 , L0002462 ,
L0002463 , L0002464 , L0002465 , L0002466 , L0002467
, L0002468 , L0002469 , L0002470 ,
L0002471 , L0002472 , L0002473 , L0002474 , L0002475
, L0002476 , L0002477 , L0002478 ,
L0002479 , L0002480 , L0002481 , L0002482 , L0002483
, L0002484 , L0002485 , . . . ,

*** 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
480042.50	3743317.09	0.01302	480243.62	3743232.15	0.00771
479762.51	3743382.75	0.00517	479687.60	3743403.51	0.00417
479693.92	3743370.57	0.00405	480701.16	3743542.80	0.00331
480699.50	3743170.14	0.00256	480713.74	3743930.53	0.00285
479886.14	3744867.99	0.01081	479887.53	3744694.28	0.01135
480133.18	3743178.71	0.00604	479889.52	3743527.50	0.01416
480385.32	3744192.72	0.00475	479896.06	3743941.90	0.02010
479965.26	3743314.33	0.01024	480190.39	3743316.21	0.01380
479845.74	3744334.32	0.00855	480075.29	3744196.93	0.01318
480181.82	3744193.60	0.01051	479963.78	3744721.22	0.01594
479895.54	3746002.49	0.01210	480025.36	3746203.46	0.00684
478015.49	3746309.31	0.01031	476443.34	3746575.05	0.00534
480378.96	3743825.80	0.00806	480339.95	3743993.45	0.00762
480332.49	3744060.67	0.00717	478217.92	3742297.79	0.00048
479995.64	3741926.46	0.00071	480064.72	3741790.86	0.00064

480141.44 3741915.34 0.00072 477366.67 3744251.05 0.00056
480868.11 3744203.61 0.00192

*** 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	0.02010	AT (479896.06, 3743941.90, 440.00, 440.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01594	AT (479963.78, 3744721.22, 441.00, 441.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01416	AT (479889.52, 3743527.50, 440.00, 440.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01380	AT (480190.39, 3743316.21, 438.99, 438.99, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01318	AT (480075.29, 3744196.93, 440.00, 440.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01302	AT (480042.50, 3743317.09, 439.00, 439.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01210	AT (479895.54, 3746002.49, 442.00, 780.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01135	AT (479887.53, 3744694.28, 441.00, 441.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01081	AT (479886.14, 3744867.99, 441.00, 441.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01051	AT (480181.82, 3744193.60, 439.94, 439.94, 0.00)	DC	

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 ***   10/31/19
 *** AERMET - VERSION 16216 ***   ***
                       ***   11:15:28

 *** 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   4 Warning Message(s)
 A Total of   2028 Informational Message(s)

 A Total of   43824 Hours Were Processed

 A Total of   978 Calm Hours Identified

 A Total of   1050 Missing Hours Identified (2.40 Percent)

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

    ********   WARNING MESSAGES   ********
 ME W186   1935   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187   1935   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at:
  14010101
 MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at:
2 year gap

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

AVERAGE EMISSION FACTOR
RIVERSIDE 2021

Speed	LHD1	MHD	HHD
0	0.376403	0.215051	0.02138
5	0.03923	0.180749	0.08736
25	0.013853	0.069122	0.03792

Speed	**Weighted Average Emissions**
0	**0.12133**
5	**0.09847**
25	**0.04028**

Emission Rates - 2021 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 Rider 4 (West Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 4 (East Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 2 (West Side)	93			0.1213	2.83	3.270E-05
On-Site Idling Rider 2 (East Side)	93			0.1213	2.83	3.270E-05
On-Site Travel Rider 4	248	172.36	0.0985		16.97	1.964E-04
On-Site Travel Rider 2	373	292.02	0.0985		28.76	3.328E-04
Off-Site Travel 100% Inbound/Outbound	621	2476.18	0.0403		99.75	1.154E-03
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.82	0.0403		2.29	2.649E-05
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.85	0.0403		2.29	2.651E-05
Off-Site Travel 20% Outbound Rider 4	62	11.39	0.0403		0.46	5.313E-06
Off-Site Travel 15% Inbound/Outbound Rider 4	93	21.74	0.0403		0.88	1.014E-05
Off-Site Travel 25% Inbound Rider 4	78	10.16	0.0403		0.41	4.738E-06
Off-Site Travel 5% Outbound Rider 4	16	2.03	0.0403		0.08	9.477E-07

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

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

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

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim	pollutant	emission_rate
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.090872
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.039446
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.082192
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.029025
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.204727
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.078292
2021	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.022237
2021	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.788627
2021	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.243579

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: RIVERSIDE
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
RIVERSID	2021	HHDT	Aggregate	Aggregate	GAS	8.256088
RIVERSID	2021	HHDT	Aggregate	Aggregate	DSL	27250.49
RIVERSID	2021	HHDT	Aggregate	Aggregate	NG	278.9619
RIVERSID	2021	LHDT1	Aggregate	Aggregate	GAS	20885.97
RIVERSID	2021	LHDT1	Aggregate	Aggregate	DSL	19999.78
RIVERSID	2021	MHDT	Aggregate	Aggregate	GAS	1963.204
RIVERSID	2021	MHDT	Aggregate	Aggregate	DSL	15756.36

HHDT% GAS/NG	0.01043
HHDT% DSL	0.98957
LHDT1% GAS	0.510837
LHDT1% DSL	0.489163
MHDT% GAS	0.110793
MHDT% DSL	0.889207

APPENDIX 2.2:

RISK CALCULATIONS

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01300	1.30E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.5E-06	1.4E-07	5.0E+00	1.4E-03	2.6E-03							
TOTAL								1.4E-07			2.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01300	1.30E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-05	3.5E-06	5.0E+00	1.4E-03	2.6E-03							
TOTAL								3.5E-06			2.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01300	1.30E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.1E-06	3.2E-06	5.0E+00	1.4E-03	2.6E-03							
TOTAL								3.2E-06			2.6E-03	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)
	0.01300	1.30E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.3E-06	5.0E-07	5.0E+00	1.4E-03	2.6E-03							
TOTAL								5.0E-07			2.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
								0.50										

** 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) **7.34**

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	2.01E-02	2.01E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.2E-06	1.2E-06	5.0E+00	1.4E-03	4.0E-03							
	TOTAL								1.2E-06			4.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									1.19										

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.90E-03	1.90E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.4E-07	2.2E-07	5.0E+00	1.4E-03	3.8E-04							
	TOTAL								2.2E-07			3.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.22										

** 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