Moreno Valley Trade Center E-Commerce

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF MORENO VALLEY

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TABLE OF CONTENTS

APPENDICES

LIST OF EXHIBITS

LIST OF TABLES

LIST OF ABBREVIATED TERMS

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

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EXECUTIVE SUMMARY

This report evaluates the potential mobile source health risk impacts to sensitive receptors (residents) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) emitted from 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.

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R2, which represents an existing residential home located at 13031 Shubert Street, approximately 126 feet south of the Project site. R2 is placed behind the existing 4-foot high barrier in the private outdoor living area (backyard). At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 2.48 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 0.001, 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 Location R5, which represents the Aldi Distribution facility located approximately 465 feet north of the Project site at 12661 Aldi Place. Receptor R5 is placed at the building façade where a worker could remain for at least one hour. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.41 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 0.001, 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:

There are no schools located within a ¼ mile of the Project site. As such, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

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 California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

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

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

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 Individual Receptor	2.48	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.41	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	0.001	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	0.001	1.0	NO

1 INTRODUCTION

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

The 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 (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA 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 from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (3). In this report the AQMD 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. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed project is located in the eastern portion of the City of Moreno Valley in the County of Riverside. The project is 71.65 gross acres and is bounded to the north by Eucalyptus Avenue, the west by Quincy Street (the Quincy channel), the south by Encilia Avenue and the east by Redlands Boulevard. The Project location is shown on Exhibit 1-A.

The project is surrounded by varied land uses. To the north the properties are zoned Light Industrial (LI) District and Community Commercial (CC) District. Aldi's logistics building was recently constructed and is in operation while the commercially designated parcel remains vacant. To the east the properties are within the approved World Logistics Center Specific Plan and are planned for logistics use. To the south the properties are zoned Residential Agricultural 2 (RA2) District, most of which are already developed with houses. To the west properties are zoned Residential Agricultural 2 (RA2) District and Residential 5 (R5) District and are vacant.

1.2 PROJECT DESCRIPTION

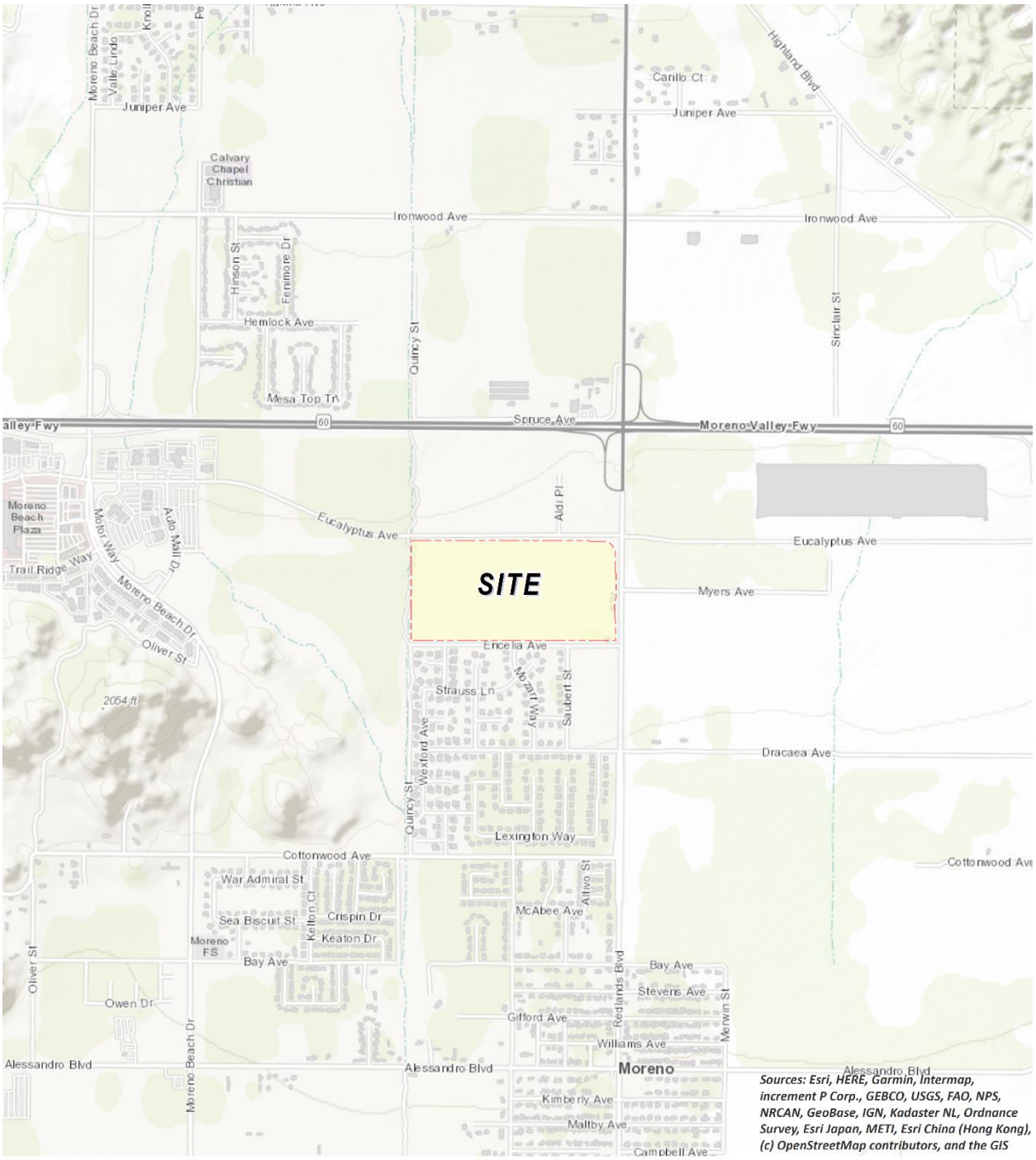
The Project envisions the development of the site for 1,332,380 square feet (sf) of E-Commerce warehouse uses, as shown on Exhibit 1-B. The Project is anticipated to be constructed and occupied by 2022[1]. Truck access to and from the project site will be restricted to three project driveways. These driveways include the two driveways on Eucalyptus Avenue, and the southernmost driveway on Redlands Boulevard. The western driveway on Eucalyptus Avenue will include inbound/outbound access for autos/trucks and the eastern driveway will be restricted to outbound truck traffic only. The southernmost driveway on Redlands Boulevard will allow inbound truck traffic, but will restrict outbound truck traffic via onsite features such as a pork-chop designed driveway, signage posted at the driveway exit prohibiting outbound truck traffic, or other measures based on discussion with City staff. The two driveways on Redlands Boulevard will be restricted to right-in/right-out access only for autos and the four driveways on Encilia Avenue will be full-access for autos.

At the time this HRA was prepared, the future tenants of the proposed Project are unknown. Because the operating hours of perspective building tenants is not known at this time, this HRA is intended to describe potential toxic emission impacts associated with the expected typical 24-hour, seven day per week operational activities at the Project site.

Per the *Moreno Valley Trade Center E-Commerce Traffic Impact Analysis* (TIA) prepared by Translutions, Inc., the Project is expected to generate a total of approximately 6,607 two-way vehicular trips per day (3,303 inbound and 3,305 outbound) which includes 857 two-way truck trips per day (428 inbound and 429 outbound) (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 857 two-way truck trips generated by the Project.

1 The TIA prepared for the Project evaluates an Opening Year of 2024 since the City of Moreno Valley traffic study guidelines require the Opening Year to be a minimum of 5 years from baseline conditions. Utilizing a 2022 Opening Year is more conservative for purposes of this HRA since it would generate more emissions than if the Project would have utilized a 2024 Opening Year consistent with the TIA because as the analysis year increases, vehicle emission factors would decrease as a result of emissions regulations becoming more stringent and the natural turnover of an older fleet of vehicles being replaced by more efficient and less polluting vehicles.

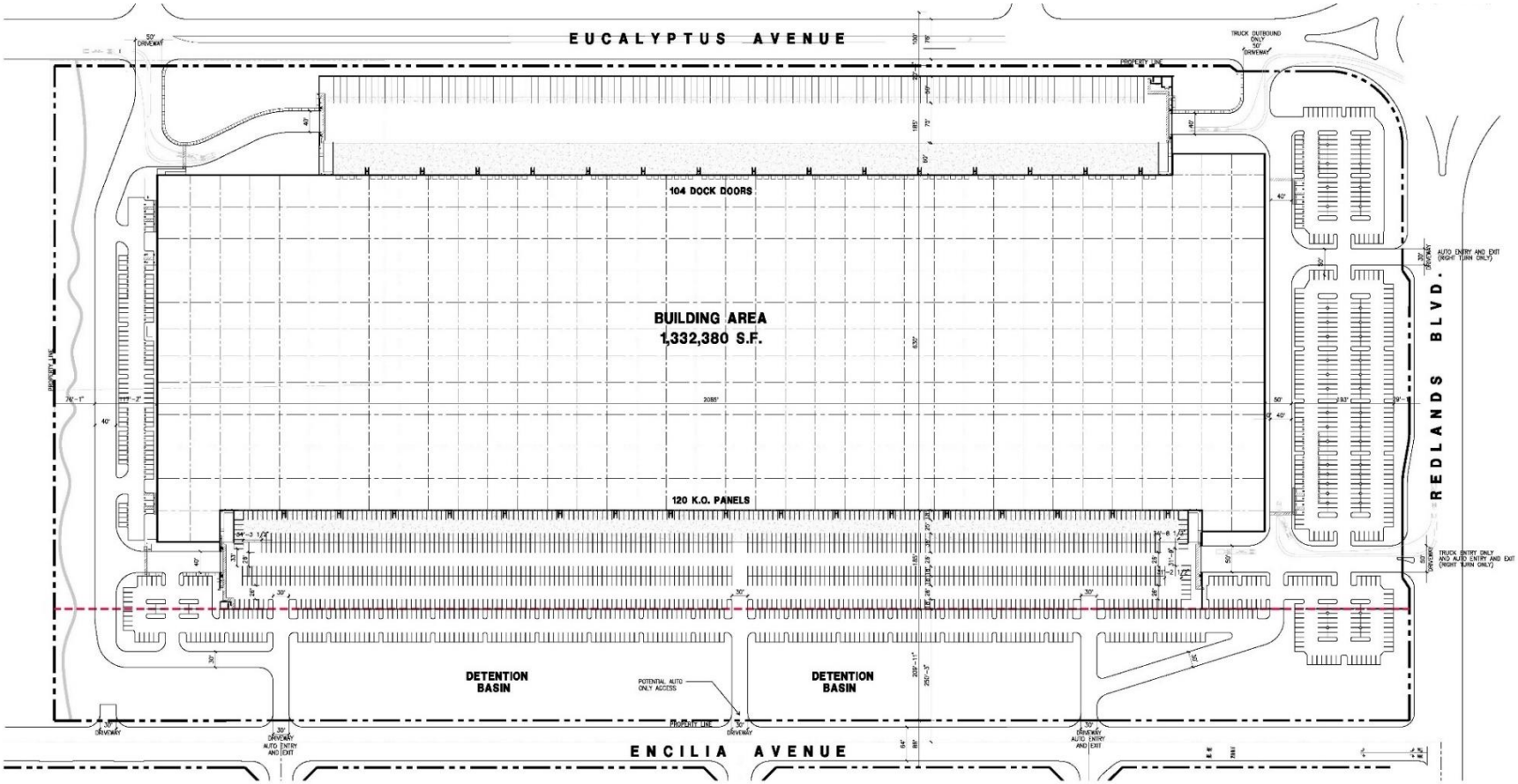
EXHIBIT 1-A: LOCATION MAP



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS

LEGEND:
Site Boundary

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 (5). 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

[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.

emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

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

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 49.43% diesel, Medium-Heavy-Duty Trucks are comprised of 88.51% diesel, and Heavy-Heavy-Duty Trucks are comprised of 98.84% diesel. Thus, trucks 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: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.11272 (g/idle-hr)
5	0.04535 (g/s)
25	0.01959 (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 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) (4), and are illustrated on Exhibit 2-A. The modeled truck route is consistent with the trip distribution patterns identified in the Project's TIA, 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 1 mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (1) (in the case of the Project, the primary source of emissions is the on-site idling, travel, and on-site equipment). The modeled emission sources are illustrated on Exhibit 2-B.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators are will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (7), 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 calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Per the *Moreno Valley Trade Center E-Commerce Traffic Impact Analysis* (TIA) prepared by Translutions, Inc., the Project is expected to generate a total of approximately 6,607 two-way vehicular trips per day (3,303 inbound and 3,305 outbound) which includes 857 two-way truck trips per day (428 inbound and 429 outbound) (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 857 two-way truck trips generated by the Project.

EXHIBIT 2-A: TRUCK TRAFFIC DISTRIBUTION

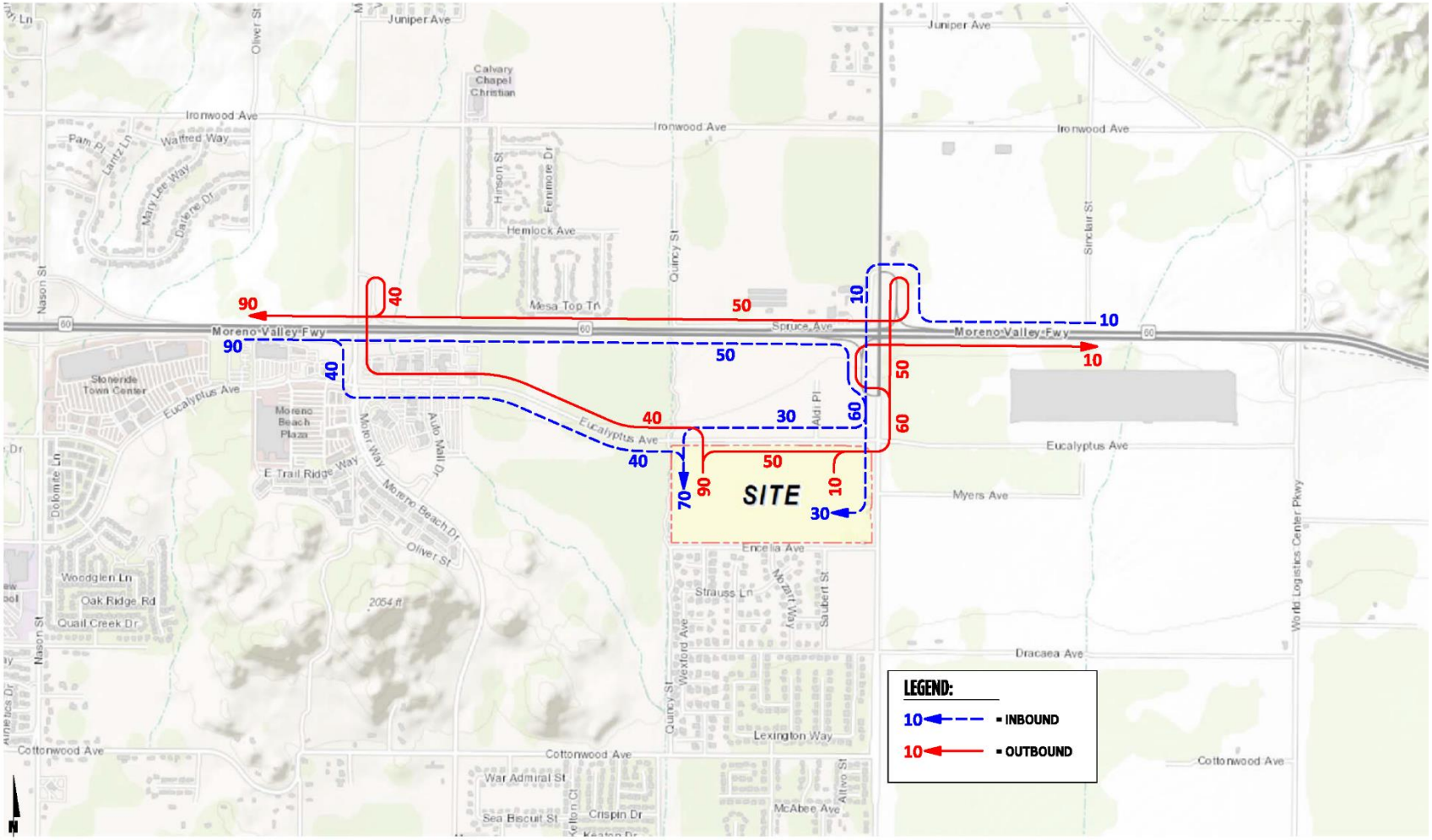
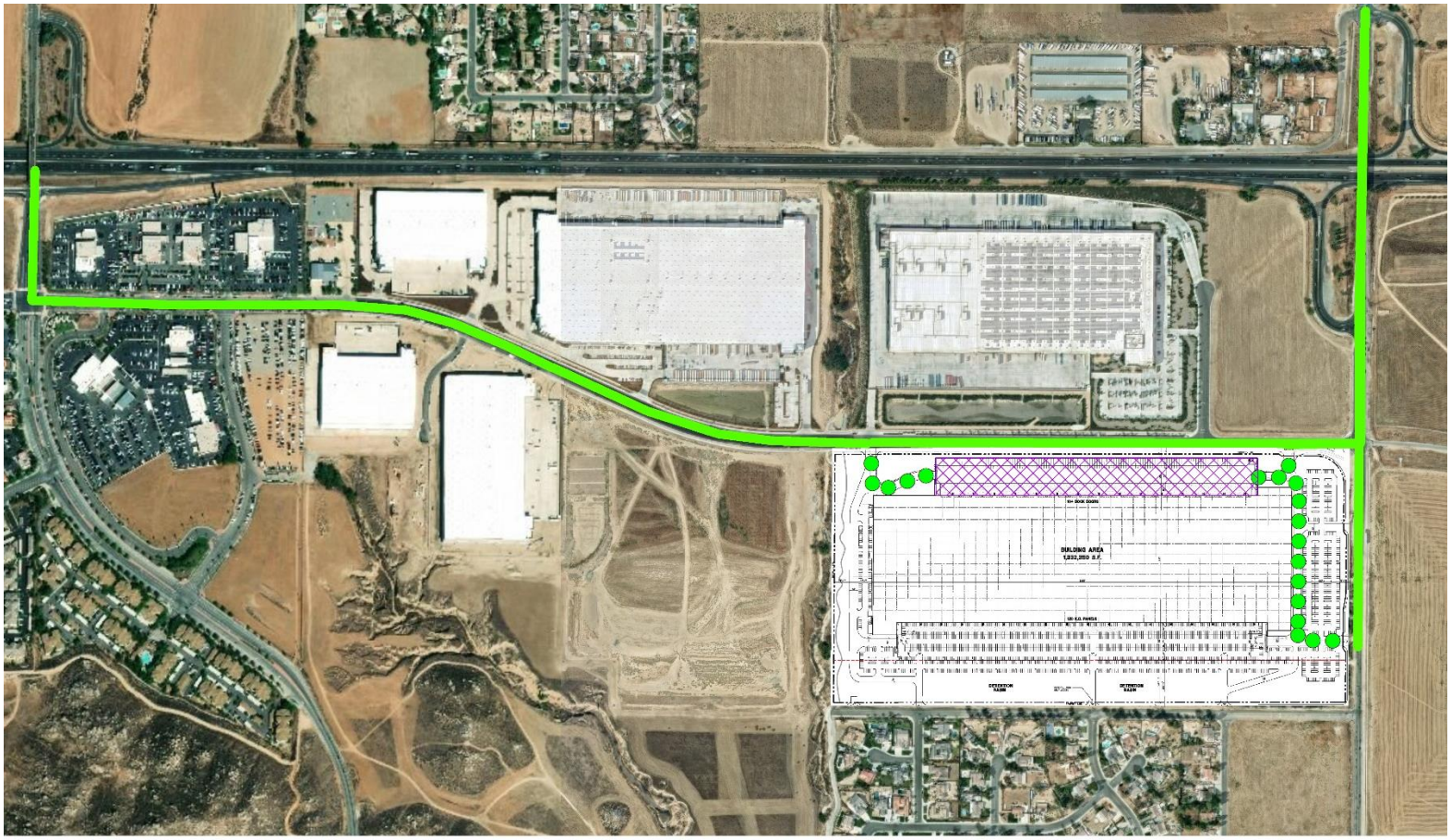


EXHIBIT 2-B: MODELED EMISSION SOURCES



LEGEND:

- On-Site Truck Idling
- On-Site Truck Travel
- Off-Site Truck Travel

N

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2022 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 at Dock Doors	429			0.1127	12.08	1.398E-04
On-Site Travel	857	534.80	0.0453		24.25	2.807E-04
Off-Site Travel 40% Inbound/Outbound Dwy 1 to SR-60/Moreno Beach Dr.	343	318.59	0.0196		6.24	7.224E-05
Off-Site Travel 30% Inbound Dwy 1 from SR-60/Redlands	129	72.93	0.0196		1.43	1.654E-05
Off-Site Travel 50% Outbound Dwy 1 to SR-60/Redlands	214	121.55	0.0196		2.38	2.756E-05
Off-Site Travel 10% Outbound Dwy 5 to SR-60/Redlands	43	20.38	0.0196		0.40	4.621E-06
Off-Site Travel 30% Inbound Dwy 7 from SR-60/Redlands	129	38.17	0.0196		0.75	8.654E-06
Off-Site Travel 10% Inbound SR-60	43	12.51	0.0196		0.25	2.837E-06

[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 (2). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 9.8.3) 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 (8).

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

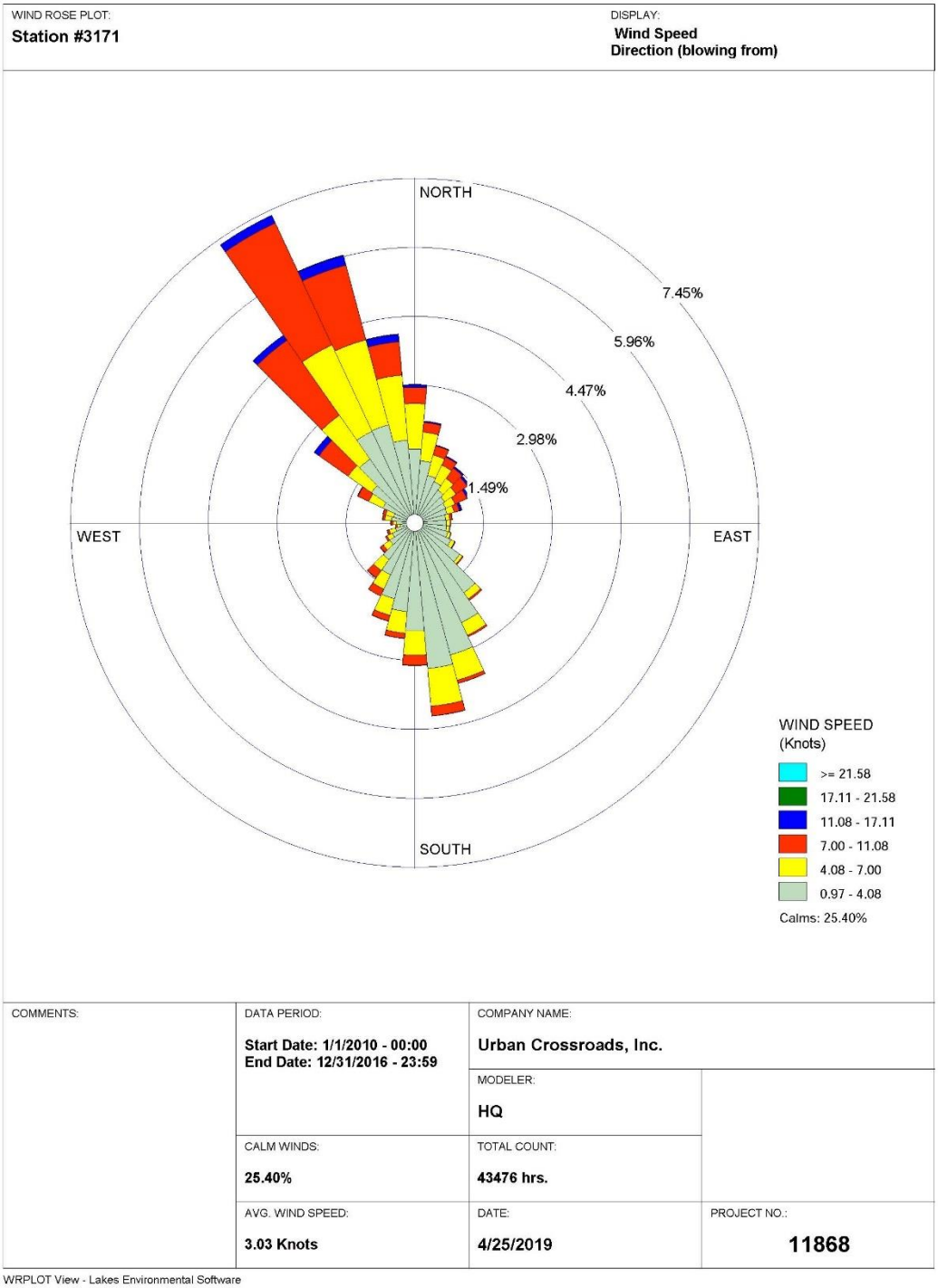
SCAQMD-recommended model parameters are presented in Table 2-3 (9). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (10). A wind rose exhibit of the Perris monitoring station is provided at Exhibit 2-C.

TABLE 2-3: AERMOD MODEL PARAMETERS

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

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

EXHIBIT 2-C: WIND ROSE (SRA 24)



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 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.

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 (11).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Table 2-4 and 2-5 summarize the Exposure Parameters for Residents and Offsite Workers 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	365	24
16 to 30	261	1	14	0.73	365	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

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 (2), 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 µg/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 (µg/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]

Individual Exposure Scenario:

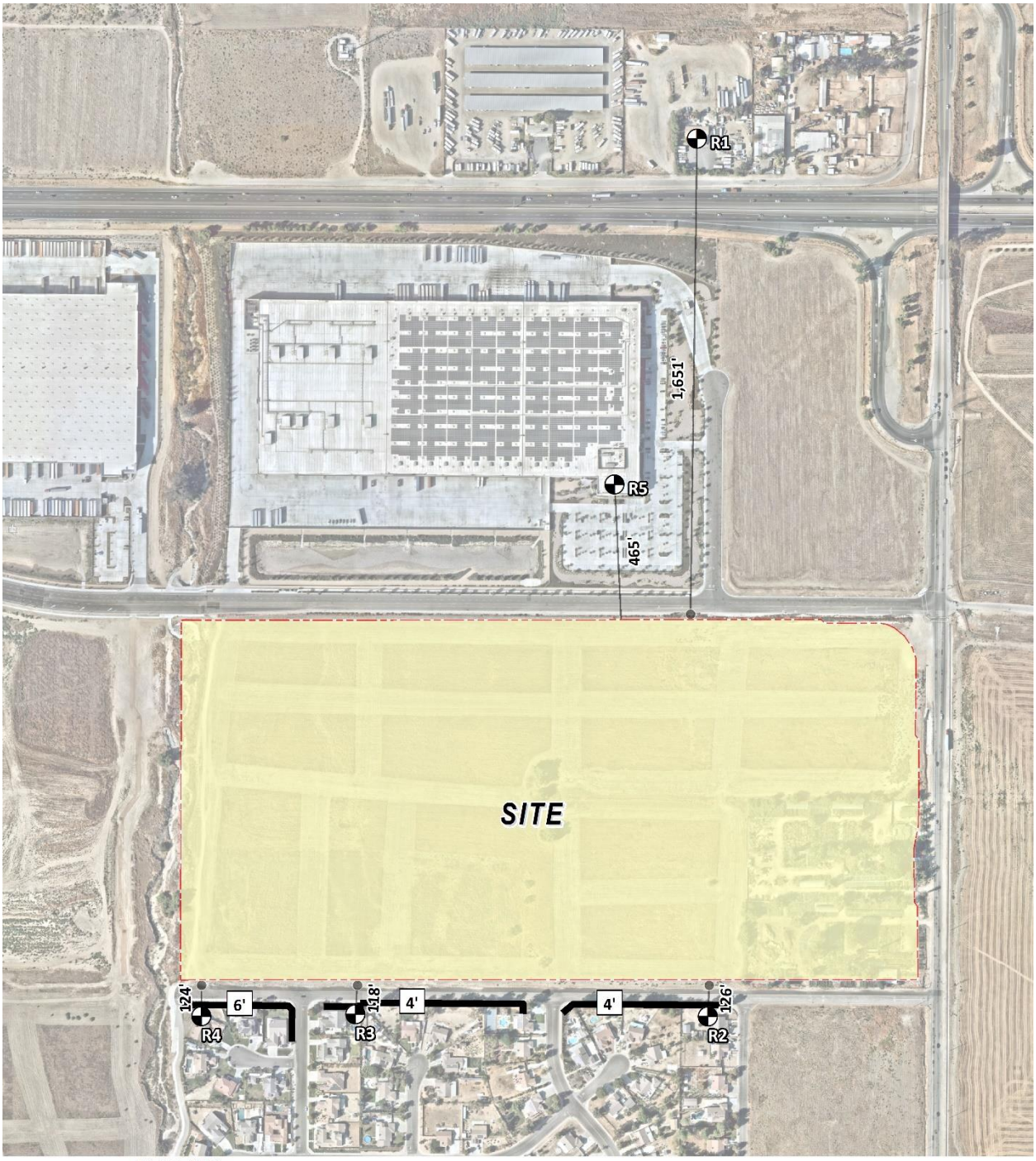
The residential land use with the greatest potential exposure to Project DPM source emissions is Location R2, which represents an existing residential home located at 13031 Shubert Street, approximately 126 feet south of the Project site. R2 is placed behind the existing 4-foot high barrier in the private outdoor living area (backyard). At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 2.48 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 0.001, 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-C.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R5, which represents the Aldi Distribution facility located approximately 465 feet north of the Project site at 12661 Aldi Place. Receptor R5 is placed at the building façade where a worker could remain for at least one hour. At the MEIW, the maximum incremental cancer risk impact at this location is 0.41 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 0.001, 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-C.

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.

EXHIBIT 2-C: MODELED RECEPTORS



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3 REFERENCES

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2. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
3. **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. [Cited: June 6, 2019.] http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2.
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5. **California Air Resources Board.** EMFAC 2017. [Online] https://www.arb.ca.gov/emfac/2017/.
6. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
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8. **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.
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4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Moreno Valley Trade Center E-Commerce 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 hqureshi@urbanxroads.com.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.
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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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```
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** LAKES ENVIRONMENTAL SOFTWARE INC.
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**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
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   AVERTIME ANNUAL
   URBANOPT 2189641
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL "12974 FC.ERR"
CO FINISHED
**
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** AERMOD SOURCE PATHWAY
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** SZINIT = 3.25
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** CONFIGURATION = ADJACENT
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   LOCATION L0006048     VOLUME   484627.754 3755019.848 534.78
   LOCATION L0006049     VOLUME   484619.202 3755020.545 534.81
   LOCATION L0006050     VOLUME   484610.669 3755021.539 534.84
   LOCATION L0006051     VOLUME   484602.137 3755022.533 534.87
   LOCATION L0006052     VOLUME   484593.605 3755023.527 534.90
   LOCATION L0006053     VOLUME   484585.072 3755024.521 534.94
   LOCATION L0006054     VOLUME   484576.540 3755025.516 534.97
   LOCATION L0006055     VOLUME   484568.008 3755026.510 535.00
   LOCATION L0006056     VOLUME   484559.476 3755027.504 535.00
   LOCATION L0006057     VOLUME   484550.943 3755028.498 535.00
   LOCATION L0006058     VOLUME   484542.524 3755030.020 535.00
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   LOCATION L0006062     VOLUME   484509.745 3755040.322 535.00
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LOCATION L0006063 VOLUME 484501.550 3755042.897 535.00
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LOCATION L0006067 VOLUME 484468.770 3755053.199 535.00
LOCATION L0006068 VOLUME 484460.576 3755055.775 535.00
LOCATION L0006069 VOLUME 484452.381 3755058.351 535.07
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LOCATION L0006071 VOLUME 484436.055 3755063.669 535.24
LOCATION L0006072 VOLUME 484428.233 3755067.219 535.36
LOCATION L0006073 VOLUME 484420.411 3755070.770 535.48
LOCATION L0006074 VOLUME 484412.589 3755074.320 535.60
LOCATION L0006075 VOLUME 484404.768 3755077.871 535.72
LOCATION L0006076 VOLUME 484396.946 3755081.421 535.83
LOCATION L0006077 VOLUME 484389.124 3755084.971 535.95
LOCATION L0006078 VOLUME 484381.302 3755088.522 536.07
LOCATION L0006079 VOLUME 484373.480 3755092.072 536.19
LOCATION L0006080 VOLUME 484365.658 3755095.623 536.31
LOCATION L0006081 VOLUME 484357.836 3755099.173 536.43
LOCATION L0006082 VOLUME 484350.014 3755102.723 536.54
LOCATION L0006083 VOLUME 484342.192 3755106.274 536.66
LOCATION L0006084 VOLUME 484334.370 3755109.824 536.78
LOCATION L0006085 VOLUME 484326.540 3755113.357 536.90
LOCATION L0006086 VOLUME 484318.691 3755116.846 537.00
LOCATION L0006087 VOLUME 484310.841 3755120.334 537.00
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LOCATION L0006089 VOLUME 484295.142 3755127.312 537.00
LOCATION L0006090 VOLUME 484287.178 3755130.401 537.00
LOCATION L0006091 VOLUME 484279.415 3755134.078 537.00
LOCATION L0006092 VOLUME 484271.651 3755137.756 537.00
LOCATION L0006093 VOLUME 484263.888 3755141.433 537.00
LOCATION L0006094 VOLUME 484256.125 3755145.110 537.00
LOCATION L0006095 VOLUME 484248.362 3755148.787 537.08
LOCATION L0006096 VOLUME 484240.599 3755152.465 537.20
LOCATION L0006097 VOLUME 484232.836 3755156.142 537.33
LOCATION L0006098 VOLUME 484225.073 3755159.819 537.45
LOCATION L0006099 VOLUME 484217.168 3755163.174 537.56
LOCATION L0006100 VOLUME 484209.217 3755166.427 537.67
LOCATION L0006101 VOLUME 484201.267 3755169.679 537.78
LOCATION L0006102 VOLUME 484193.316 3755172.932 537.88
LOCATION L0006103 VOLUME 484185.366 3755176.184 537.99
LOCATION L0006104 VOLUME 484177.415 3755179.436 538.00
LOCATION L0006105 VOLUME 484169.465 3755182.689 538.00
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LOCATION L0006107 VOLUME 484153.564 3755189.194 538.00
LOCATION L0006108 VOLUME 484145.614 3755192.446 538.00
LOCATION L0006109 VOLUME 484137.400 3755194.926 538.00
LOCATION L0006110 VOLUME 484129.117 3755197.204 538.00
LOCATION L0006111 VOLUME 484120.835 3755199.481 538.00
LOCATION L0006112 VOLUME 484112.552 3755201.759 537.96

LOCATION L0006113 VOLUME 484104.270 3755204.037 537.96
LOCATION L0006114 VOLUME 484095.987 3755206.314 538.00
LOCATION L0006115 VOLUME 484087.705 3755208.592 538.07
LOCATION L0006116 VOLUME 484079.422 3755210.870 538.15
LOCATION L0006117 VOLUME 484071.112 3755212.987 538.22
LOCATION L0006118 VOLUME 484062.544 3755213.599 538.24
LOCATION L0006119 VOLUME 484053.976 3755214.211 538.26
LOCATION L0006120 VOLUME 484045.408 3755214.823 538.28
LOCATION L0006121 VOLUME 484036.839 3755215.435 538.30
LOCATION L0006122 VOLUME 484028.271 3755216.047 538.30
LOCATION L0006123 VOLUME 484019.703 3755216.659 538.22
LOCATION L0006124 VOLUME 484011.135 3755217.271 538.13
LOCATION L0006125 VOLUME 484002.567 3755217.883 538.03
LOCATION L0006126 VOLUME 483993.999 3755218.495 537.88
LOCATION L0006127 VOLUME 483985.430 3755219.107 537.72
LOCATION L0006128 VOLUME 483976.862 3755219.719 537.57
LOCATION L0006129 VOLUME 483968.287 3755220.111 537.46
LOCATION L0006130 VOLUME 483959.697 3755220.050 537.46
LOCATION L0006131 VOLUME 483951.107 3755219.989 537.45
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LOCATION L0006135 VOLUME 483916.748 3755219.746 537.45
LOCATION L0006136 VOLUME 483908.159 3755219.685 537.44
LOCATION L0006137 VOLUME 483899.569 3755219.624 537.44
LOCATION L0006138 VOLUME 483890.979 3755219.563 537.44
LOCATION L0006139 VOLUME 483882.389 3755219.502 537.44
LOCATION L0006140 VOLUME 483873.799 3755219.441 537.44
LOCATION L0006141 VOLUME 483865.210 3755219.380 537.43
LOCATION L0006142 VOLUME 483856.620 3755219.319 537.43
LOCATION L0006143 VOLUME 483848.030 3755219.258 537.40
LOCATION L0006144 VOLUME 483839.440 3755219.197 537.28
LOCATION L0006145 VOLUME 483830.850 3755219.137 537.15
LOCATION L0006146 VOLUME 483822.261 3755219.076 537.03
LOCATION L0006147 VOLUME 483813.671 3755219.015 536.88
LOCATION L0006148 VOLUME 483805.081 3755218.954 536.71
LOCATION L0006149 VOLUME 483796.491 3755218.893 536.54
LOCATION L0006150 VOLUME 483787.902 3755218.832 536.46
LOCATION L0006151 VOLUME 483779.312 3755218.771 536.62
LOCATION L0006152 VOLUME 483770.722 3755218.710 536.79
LOCATION L0006153 VOLUME 483762.132 3755218.649 536.96
LOCATION L0006154 VOLUME 483753.542 3755218.588 537.00
LOCATION L0006155 VOLUME 483744.953 3755218.527 537.00
LOCATION L0006156 VOLUME 483736.363 3755218.466 537.00
LOCATION L0006157 VOLUME 483727.773 3755218.405 537.00
LOCATION L0006158 VOLUME 483719.183 3755218.345 537.00
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LOCATION L0006161 VOLUME 483693.421 3755218.940 537.00
LOCATION L0006162 VOLUME 483684.834 3755219.160 537.00

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   LOCATION L0006163     VOLUME   483676.247 3755219.380 537.00
   LOCATION L0006164     VOLUME   483667.660 3755219.600 537.08
   LOCATION L0006165     VOLUME   483659.072 3755219.821 537.37
   LOCATION L0006166     VOLUME   483650.485 3755220.041 537.65
   LOCATION L0006167     VOLUME   483641.898 3755220.261 537.94
   LOCATION L0006168     VOLUME   483633.311 3755220.481 538.12
   LOCATION L0006169     VOLUME   483624.724 3755220.701 538.27
   LOCATION L0006170     VOLUME   483616.137 3755220.922 538.41
   LOCATION L0006171     VOLUME   483607.549 3755221.142 538.59
   LOCATION L0006172     VOLUME   483598.962 3755221.362 538.87
   LOCATION L0006173     VOLUME   483590.375 3755221.582 539.16
   LOCATION L0006174     VOLUME   483581.788 3755221.802 539.45
   LOCATION L0006175     VOLUME   483573.201 3755222.022 539.40
   LOCATION L0006176     VOLUME   483564.613 3755222.243 539.26
   LOCATION L0006177     VOLUME   483556.026 3755222.463 539.11
   LOCATION L0006178     VOLUME   483547.439 3755222.683 539.00
   LOCATION L0006179     VOLUME   483538.852 3755222.903 539.00
   LOCATION L0006180     VOLUME   483530.265 3755223.123 539.00
   LOCATION L0006181     VOLUME   483521.678 3755223.344 539.00
   LOCATION L0006182     VOLUME   483513.090 3755223.564 539.00
   LOCATION L0006183     VOLUME   483506.539 3755225.733 539.00
   LOCATION L0006184     VOLUME   483506.697 3755234.321 539.00
   LOCATION L0006185     VOLUME   483506.855 3755242.910 539.31
   LOCATION L0006186     VOLUME   483507.012 3755251.498 539.72
   LOCATION L0006187     VOLUME   483507.170 3755260.087 540.13
   LOCATION L0006188     VOLUME   483507.327 3755268.675 540.54
   LOCATION L0006189     VOLUME   483507.485 3755277.264 540.99
   LOCATION L0006190     VOLUME   483507.643 3755285.852 541.44
   LOCATION L0006191     VOLUME   483507.800 3755294.441 541.90
   LOCATION L0006192     VOLUME   483507.958 3755303.029 542.31
   LOCATION L0006193     VOLUME   483508.115 3755311.618 542.71
   LOCATION L0006194     VOLUME   483508.273 3755320.207 543.10
   LOCATION L0006195     VOLUME   483508.431 3755328.795 543.71
   LOCATION L0006196     VOLUME   483508.588 3755337.384 544.85
   LOCATION L0006197     VOLUME   483508.746 3755345.972 545.99
   LOCATION L0006198     VOLUME   483508.903 3755354.561 547.13
   LOCATION L0006199     VOLUME   483509.061 3755363.149 547.59
   LOCATION L0006200     VOLUME   483509.218 3755371.738 547.87
   LOCATION L0006201     VOLUME   483509.376 3755380.326 548.15
   LOCATION L0006202     VOLUME   483509.534 3755388.915 548.32
   LOCATION L0006203     VOLUME   483509.691 3755397.504 548.22
   LOCATION L0006204     VOLUME   483509.849 3755406.092 548.12
   LOCATION L0006205     VOLUME   483510.006 3755414.681 548.02
** END OF LINE VOLUME SOURCE ID = SLINE4
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC 30% INBOUND DWY 1. FROM SR-60/REDLANDS
** PREFIX
** LENGTH OF SIDE = 8.59
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** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001654
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
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** 485514.334, 3755022.049, 528.87, 3.49, 4.00
** 485510.733, 3755198.522, 532.87, 3.49, 4.00
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   LOCATION L0006207     VOLUME   484790.714 3755018.511 533.74
   LOCATION L0006208     VOLUME   484799.304 3755018.553 533.74
   LOCATION L0006209     VOLUME   484807.894 3755018.595 533.74
   LOCATION L0006210     VOLUME   484816.484 3755018.637 533.74
   LOCATION L0006211     VOLUME   484825.074 3755018.679 533.74
   LOCATION L0006212     VOLUME   484833.664 3755018.721 533.74
   LOCATION L0006213     VOLUME   484842.254 3755018.763 533.75
   LOCATION L0006214     VOLUME   484850.843 3755018.805 533.75
   LOCATION L0006215     VOLUME   484859.433 3755018.847 533.75
   LOCATION L0006216     VOLUME   484868.023 3755018.889 533.75
   LOCATION L0006217     VOLUME   484876.613 3755018.931 533.59
   LOCATION L0006218     VOLUME   484885.203 3755018.973 533.37
   LOCATION L0006219     VOLUME   484893.793 3755019.015 533.16
   LOCATION L0006220     VOLUME   484902.383 3755019.057 533.00
   LOCATION L0006221     VOLUME   484910.973 3755019.099 533.00
   LOCATION L0006222     VOLUME   484919.563 3755019.141 533.00
   LOCATION L0006223     VOLUME   484928.152 3755019.183 533.00
   LOCATION L0006224     VOLUME   484936.742 3755019.225 532.95
   LOCATION L0006225     VOLUME   484945.332 3755019.267 532.88
   LOCATION L0006226     VOLUME   484953.922 3755019.309 532.81
   LOCATION L0006227     VOLUME   484962.512 3755019.351 532.77
   LOCATION L0006228     VOLUME   484971.102 3755019.393 532.77
   LOCATION L0006229     VOLUME   484979.692 3755019.435 532.77
   LOCATION L0006230     VOLUME   484988.282 3755019.477 532.77
   LOCATION L0006231     VOLUME   484996.872 3755019.519 532.77
   LOCATION L0006232     VOLUME   485005.462 3755019.561 532.77
   LOCATION L0006233     VOLUME   485014.051 3755019.603 532.77
   LOCATION L0006234     VOLUME   485022.641 3755019.645 532.69
   LOCATION L0006235     VOLUME   485031.231 3755019.687 532.41
   LOCATION L0006236     VOLUME   485039.821 3755019.729 532.12
   LOCATION L0006237     VOLUME   485048.411 3755019.771 531.84
   LOCATION L0006238     VOLUME   485057.001 3755019.813 531.78
   LOCATION L0006239     VOLUME   485065.591 3755019.855 531.78
   LOCATION L0006240     VOLUME   485074.181 3755019.897 531.78
   LOCATION L0006241     VOLUME   485082.771 3755019.939 531.79
   LOCATION L0006242     VOLUME   485091.361 3755019.981 531.79
   LOCATION L0006243     VOLUME   485099.950 3755020.023 531.79
   LOCATION L0006244     VOLUME   485108.540 3755020.065 531.79
   LOCATION L0006245     VOLUME   485117.130 3755020.107 531.61
   LOCATION L0006246     VOLUME   485125.720 3755020.149 531.38
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LOCATION L0006247 VOLUME 485134.310 3755020.191 531.15
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LOCATION L0006250 VOLUME 485160.080 3755020.317 530.87
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LOCATION L0006252 VOLUME 485177.260 3755020.401 530.80
LOCATION L0006253 VOLUME 485185.849 3755020.443 530.80
LOCATION L0006254 VOLUME 485194.439 3755020.485 530.80
LOCATION L0006255 VOLUME 485203.029 3755020.527 530.81
LOCATION L0006256 VOLUME 485211.619 3755020.569 530.81
LOCATION L0006257 VOLUME 485220.209 3755020.611 530.81
LOCATION L0006258 VOLUME 485228.799 3755020.653 530.81
LOCATION L0006259 VOLUME 485237.389 3755020.695 530.61
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LOCATION L0006263 VOLUME 485271.748 3755020.863 529.93
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LOCATION L0006267 VOLUME 485306.108 3755021.031 529.82
LOCATION L0006268 VOLUME 485314.698 3755021.073 529.82
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LOCATION L0006270 VOLUME 485331.878 3755021.157 529.83
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LOCATION L0006272 VOLUME 485349.057 3755021.241 529.83
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LOCATION L0006274 VOLUME 485366.237 3755021.325 529.38
LOCATION L0006275 VOLUME 485374.827 3755021.367 529.15
LOCATION L0006276 VOLUME 485383.417 3755021.409 528.98
LOCATION L0006277 VOLUME 485392.007 3755021.451 528.93
LOCATION L0006278 VOLUME 485400.597 3755021.493 528.89
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LOCATION L0006285 VOLUME 485460.726 3755021.787 528.85
LOCATION L0006286 VOLUME 485469.316 3755021.829 528.85
LOCATION L0006287 VOLUME 485477.906 3755021.871 528.85
LOCATION L0006288 VOLUME 485486.496 3755021.913 528.85
LOCATION L0006289 VOLUME 485495.086 3755021.955 528.85
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LOCATION L0006295 VOLUME 485513.675 3755054.334 529.00
LOCATION L0006296 VOLUME 485513.500 3755062.922 529.22

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   LOCATION L0006298     VOLUME   485513.150 3755080.098 529.79
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   LOCATION L0006300     VOLUME   485512.799 3755097.275 530.36
   LOCATION L0006301     VOLUME   485512.624 3755105.863 530.65
   LOCATION L0006302     VOLUME   485512.449 3755114.451 530.94
   LOCATION L0006303     VOLUME   485512.273 3755123.039 531.09
   LOCATION L0006304     VOLUME   485512.098 3755131.627 531.20
   LOCATION L0006305     VOLUME   485511.923 3755140.216 531.31
   LOCATION L0006306     VOLUME   485511.747 3755148.804 531.44
   LOCATION L0006307     VOLUME   485511.572 3755157.392 531.61
   LOCATION L0006308     VOLUME   485511.397 3755165.980 531.78
   LOCATION L0006309     VOLUME   485511.222 3755174.569 531.96
   LOCATION L0006310     VOLUME   485511.046 3755183.157 532.23
   LOCATION L0006311     VOLUME   485510.871 3755191.745 532.51
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC 50% OUTBOUND DWY 1. TO SR-60/REDLANDS
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002756
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
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** 485514.334, 3755022.049, 528.87, 3.49, 4.00
** 485510.733, 3755198.522, 532.87, 3.49, 4.00
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   LOCATION L0006313     VOLUME   484790.714 3755018.511 533.74
   LOCATION L0006314     VOLUME   484799.304 3755018.553 533.74
   LOCATION L0006315     VOLUME   484807.894 3755018.595 533.74
   LOCATION L0006316     VOLUME   484816.484 3755018.637 533.74
   LOCATION L0006317     VOLUME   484825.074 3755018.679 533.74
   LOCATION L0006318     VOLUME   484833.664 3755018.721 533.74
   LOCATION L0006319     VOLUME   484842.254 3755018.763 533.75
   LOCATION L0006320     VOLUME   484850.843 3755018.805 533.75
   LOCATION L0006321     VOLUME   484859.433 3755018.847 533.75
   LOCATION L0006322     VOLUME   484868.023 3755018.889 533.75
   LOCATION L0006323     VOLUME   484876.613 3755018.931 533.59
   LOCATION L0006324     VOLUME   484885.203 3755018.973 533.37
   LOCATION L0006325     VOLUME   484893.793 3755019.015 533.16
   LOCATION L0006326     VOLUME   484902.383 3755019.057 533.00
   LOCATION L0006327     VOLUME   484910.973 3755019.099 533.00
   LOCATION L0006328     VOLUME   484919.563 3755019.141 533.00
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   LOCATION L0006330     VOLUME   484936.742 3755019.225 532.95
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LOCATION L0006342 VOLUME 485039.821 3755019.729 532.12
LOCATION L0006343 VOLUME 485048.411 3755019.771 531.84
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LOCATION L0006348 VOLUME 485091.361 3755019.981 531.79
LOCATION L0006349 VOLUME 485099.950 3755020.023 531.79
LOCATION L0006350 VOLUME 485108.540 3755020.065 531.79
LOCATION L0006351 VOLUME 485117.130 3755020.107 531.61
LOCATION L0006352 VOLUME 485125.720 3755020.149 531.38
LOCATION L0006353 VOLUME 485134.310 3755020.191 531.15
LOCATION L0006354 VOLUME 485142.900 3755020.233 530.98
LOCATION L0006355 VOLUME 485151.490 3755020.275 530.92
LOCATION L0006356 VOLUME 485160.080 3755020.317 530.87
LOCATION L0006357 VOLUME 485168.670 3755020.359 530.81
LOCATION L0006358 VOLUME 485177.260 3755020.401 530.80
LOCATION L0006359 VOLUME 485185.849 3755020.443 530.80
LOCATION L0006360 VOLUME 485194.439 3755020.485 530.80
LOCATION L0006361 VOLUME 485203.029 3755020.527 530.81
LOCATION L0006362 VOLUME 485211.619 3755020.569 530.81
LOCATION L0006363 VOLUME 485220.209 3755020.611 530.81
LOCATION L0006364 VOLUME 485228.799 3755020.653 530.81
LOCATION L0006365 VOLUME 485237.389 3755020.695 530.61
LOCATION L0006366 VOLUME 485245.979 3755020.737 530.38
LOCATION L0006367 VOLUME 485254.569 3755020.779 530.15
LOCATION L0006368 VOLUME 485263.158 3755020.821 529.98
LOCATION L0006369 VOLUME 485271.748 3755020.863 529.93
LOCATION L0006370 VOLUME 485280.338 3755020.905 529.88
LOCATION L0006371 VOLUME 485288.928 3755020.947 529.83
LOCATION L0006372 VOLUME 485297.518 3755020.989 529.82
LOCATION L0006373 VOLUME 485306.108 3755021.031 529.82
LOCATION L0006374 VOLUME 485314.698 3755021.073 529.82
LOCATION L0006375 VOLUME 485323.288 3755021.115 529.82
LOCATION L0006376 VOLUME 485331.878 3755021.157 529.83
LOCATION L0006377 VOLUME 485340.468 3755021.199 529.83
LOCATION L0006378 VOLUME 485349.057 3755021.241 529.83
LOCATION L0006379 VOLUME 485357.647 3755021.283 529.62
LOCATION L0006380 VOLUME 485366.237 3755021.325 529.38

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   LOCATION L0006381     VOLUME   485374.827 3755021.367 529.15
   LOCATION L0006382     VOLUME   485383.417 3755021.409 528.98
   LOCATION L0006383     VOLUME   485392.007 3755021.451 528.93
   LOCATION L0006384     VOLUME   485400.597 3755021.493 528.89
   LOCATION L0006385     VOLUME   485409.187 3755021.535 528.84
   LOCATION L0006386     VOLUME   485417.777 3755021.577 528.84
   LOCATION L0006387     VOLUME   485426.367 3755021.619 528.84
   LOCATION L0006388     VOLUME   485434.956 3755021.661 528.84
   LOCATION L0006389     VOLUME   485443.546 3755021.703 528.84
   LOCATION L0006390     VOLUME   485452.136 3755021.745 528.85
   LOCATION L0006391     VOLUME   485460.726 3755021.787 528.85
   LOCATION L0006392     VOLUME   485469.316 3755021.829 528.85
   LOCATION L0006393     VOLUME   485477.906 3755021.871 528.85
   LOCATION L0006394     VOLUME   485486.496 3755021.913 528.85
   LOCATION L0006395     VOLUME   485495.086 3755021.955 528.85
   LOCATION L0006396     VOLUME   485503.676 3755021.997 528.85
   LOCATION L0006397     VOLUME   485512.266 3755022.039 528.86
   LOCATION L0006398     VOLUME   485514.201 3755028.569 529.00
   LOCATION L0006399     VOLUME   485514.026 3755037.157 529.00
   LOCATION L0006400     VOLUME   485513.851 3755045.745 529.00
   LOCATION L0006401     VOLUME   485513.675 3755054.334 529.00
   LOCATION L0006402     VOLUME   485513.500 3755062.922 529.22
   LOCATION L0006403     VOLUME   485513.325 3755071.510 529.50
   LOCATION L0006404     VOLUME   485513.150 3755080.098 529.79
   LOCATION L0006405     VOLUME   485512.974 3755088.686 530.08
   LOCATION L0006406     VOLUME   485512.799 3755097.275 530.36
   LOCATION L0006407     VOLUME   485512.624 3755105.863 530.65
   LOCATION L0006408     VOLUME   485512.449 3755114.451 530.94
   LOCATION L0006409     VOLUME   485512.273 3755123.039 531.09
   LOCATION L0006410     VOLUME   485512.098 3755131.627 531.20
   LOCATION L0006411     VOLUME   485511.923 3755140.216 531.31
   LOCATION L0006412     VOLUME   485511.747 3755148.804 531.44
   LOCATION L0006413     VOLUME   485511.572 3755157.392 531.61
   LOCATION L0006414     VOLUME   485511.397 3755165.980 531.78
   LOCATION L0006415     VOLUME   485511.222 3755174.569 531.96
   LOCATION L0006416     VOLUME   485511.046 3755183.157 532.23
   LOCATION L0006417     VOLUME   485510.871 3755191.745 532.51
** END OF LINE VOLUME SOURCE ID = SLINE8
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC 10% OUTBOUND DWY 5. TO SR-60/REDLANDS
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 4.621E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 485402.321, 3755019.754, 528.85, 0.00, 4.00
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** 485514.334, 3755022.049, 528.87, 0.00, 4.00
** 485512.931, 3755294.370, 536.00, 0.00, 4.00
** 485517.265, 3755675.383, 544.00, 0.00, 4.00
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   LOCATION L0006418     VOLUME   485406.615 3755019.842 528.81
   LOCATION L0006419     VOLUME   485415.203 3755020.018 528.79
   LOCATION L0006420     VOLUME   485423.792 3755020.194 528.79
   LOCATION L0006421     VOLUME   485432.380 3755020.370 528.80
   LOCATION L0006422     VOLUME   485440.968 3755020.546 528.81
   LOCATION L0006423     VOLUME   485449.556 3755020.722 528.81
   LOCATION L0006424     VOLUME   485458.144 3755020.898 528.82
   LOCATION L0006425     VOLUME   485466.733 3755021.074 528.82
   LOCATION L0006426     VOLUME   485475.321 3755021.250 528.83
   LOCATION L0006427     VOLUME   485483.909 3755021.426 528.84
   LOCATION L0006428     VOLUME   485492.497 3755021.602 528.84
   LOCATION L0006429     VOLUME   485501.085 3755021.778 528.85
   LOCATION L0006430     VOLUME   485509.674 3755021.954 528.85
   LOCATION L0006431     VOLUME   485514.314 3755025.977 528.99
   LOCATION L0006432     VOLUME   485514.270 3755034.567 529.00
   LOCATION L0006433     VOLUME   485514.226 3755043.157 529.00
   LOCATION L0006434     VOLUME   485514.181 3755051.747 529.00
   LOCATION L0006435     VOLUME   485514.137 3755060.337 529.13
   LOCATION L0006436     VOLUME   485514.093 3755068.927 529.42
   LOCATION L0006437     VOLUME   485514.049 3755077.517 529.71
   LOCATION L0006438     VOLUME   485514.004 3755086.107 529.99
   LOCATION L0006439     VOLUME   485513.960 3755094.696 530.28
   LOCATION L0006440     VOLUME   485513.916 3755103.286 530.56
   LOCATION L0006441     VOLUME   485513.872 3755111.876 530.85
   LOCATION L0006442     VOLUME   485513.827 3755120.466 531.06
   LOCATION L0006443     VOLUME   485513.783 3755129.056 531.19
   LOCATION L0006444     VOLUME   485513.739 3755137.646 531.32
   LOCATION L0006445     VOLUME   485513.694 3755146.236 531.45
   LOCATION L0006446     VOLUME   485513.650 3755154.826 531.61
   LOCATION L0006447     VOLUME   485513.606 3755163.416 531.76
   LOCATION L0006448     VOLUME   485513.562 3755172.005 531.92
   LOCATION L0006449     VOLUME   485513.517 3755180.595 532.14
   LOCATION L0006450     VOLUME   485513.473 3755189.185 532.43
   LOCATION L0006451     VOLUME   485513.429 3755197.775 532.71
   LOCATION L0006452     VOLUME   485513.385 3755206.365 533.00
   LOCATION L0006453     VOLUME   485513.340 3755214.955 533.57
   LOCATION L0006454     VOLUME   485513.296 3755223.545 534.15
   LOCATION L0006455     VOLUME   485513.252 3755232.135 534.72
   LOCATION L0006456     VOLUME   485513.208 3755240.724 535.15
   LOCATION L0006457     VOLUME   485513.163 3755249.314 535.43
   LOCATION L0006458     VOLUME   485513.119 3755257.904 535.72
   LOCATION L0006459     VOLUME   485513.075 3755266.494 536.00
   LOCATION L0006460     VOLUME   485513.031 3755275.084 536.00
   LOCATION L0006461     VOLUME   485512.986 3755283.674 536.00
   LOCATION L0006462     VOLUME   485512.942 3755292.264 536.00
   LOCATION L0006463     VOLUME   485513.005 3755300.853 536.00
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   LOCATION L0006464     VOLUME   485513.103 3755309.443 536.00
   LOCATION L0006465     VOLUME   485513.200 3755318.032 536.00
   LOCATION L0006466     VOLUME   485513.298 3755326.622 536.00
   LOCATION L0006467     VOLUME   485513.396 3755335.211 536.13
   LOCATION L0006468     VOLUME   485513.494 3755343.801 536.26
   LOCATION L0006469     VOLUME   485513.591 3755352.390 536.39
   LOCATION L0006470     VOLUME   485513.689 3755360.979 536.54
   LOCATION L0006471     VOLUME   485513.787 3755369.569 536.70
   LOCATION L0006472     VOLUME   485513.884 3755378.158 536.85
   LOCATION L0006473     VOLUME   485513.982 3755386.748 537.01
   LOCATION L0006474     VOLUME   485514.080 3755395.337 537.30
   LOCATION L0006475     VOLUME   485514.177 3755403.927 537.59
   LOCATION L0006476     VOLUME   485514.275 3755412.516 537.87
   LOCATION L0006477     VOLUME   485514.373 3755421.106 538.08
   LOCATION L0006478     VOLUME   485514.471 3755429.695 538.23
   LOCATION L0006479     VOLUME   485514.568 3755438.284 538.38
   LOCATION L0006480     VOLUME   485514.666 3755446.874 538.52
   LOCATION L0006481     VOLUME   485514.764 3755455.463 538.66
   LOCATION L0006482     VOLUME   485514.861 3755464.053 538.80
   LOCATION L0006483     VOLUME   485514.959 3755472.642 538.94
   LOCATION L0006484     VOLUME   485515.057 3755481.232 539.16
   LOCATION L0006485     VOLUME   485515.154 3755489.821 539.45
   LOCATION L0006486     VOLUME   485515.252 3755498.411 539.74
   LOCATION L0006487     VOLUME   485515.350 3755507.000 540.02
   LOCATION L0006488     VOLUME   485515.448 3755515.589 540.31
   LOCATION L0006489     VOLUME   485515.545 3755524.179 540.59
   LOCATION L0006490     VOLUME   485515.643 3755532.768 540.88
   LOCATION L0006491     VOLUME   485515.741 3755541.358 541.00
   LOCATION L0006492     VOLUME   485515.838 3755549.947 541.00
   LOCATION L0006493     VOLUME   485515.936 3755558.537 541.00
   LOCATION L0006494     VOLUME   485516.034 3755567.126 541.03
   LOCATION L0006495     VOLUME   485516.131 3755575.716 541.31
   LOCATION L0006496     VOLUME   485516.229 3755584.305 541.60
   LOCATION L0006497     VOLUME   485516.327 3755592.894 541.88
   LOCATION L0006498     VOLUME   485516.425 3755601.484 542.17
   LOCATION L0006499     VOLUME   485516.522 3755610.073 542.46
   LOCATION L0006500     VOLUME   485516.620 3755618.663 542.74
   LOCATION L0006501     VOLUME   485516.718 3755627.252 543.03
   LOCATION L0006502     VOLUME   485516.815 3755635.842 543.32
   LOCATION L0006503     VOLUME   485516.913 3755644.431 543.60
   LOCATION L0006504     VOLUME   485517.011 3755653.021 543.89
   LOCATION L0006505     VOLUME   485517.108 3755661.610 544.00
   LOCATION L0006506     VOLUME   485517.206 3755670.199 544.00
** END OF LINE VOLUME SOURCE ID = SLINE9
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
** DESCRSRC 30% INBOUND DWY. 7 FROM SR-60/REDLANDS
** PREFIX
** LENGTH OF SIDE = 8.59
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** CONFIGURATION = ADJACENT
** EMISSION RATE = 8.654E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 485512.451, 3754714.703, 521.72, 3.49, 4.00
** 485512.451, 3755192.518, 532.71, 3.49, 4.00
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   LOCATION L0006507     VOLUME   485512.451 3754718.998 521.75
   LOCATION L0006508     VOLUME   485512.451 3754727.588 522.02
   LOCATION L0006509     VOLUME   485512.451 3754736.178 522.19
   LOCATION L0006510     VOLUME   485512.451 3754744.768 522.36
   LOCATION L0006511     VOLUME   485512.451 3754753.358 522.53
   LOCATION L0006512     VOLUME   485512.451 3754761.948 522.67
   LOCATION L0006513     VOLUME   485512.451 3754770.538 522.78
   LOCATION L0006514     VOLUME   485512.451 3754779.128 522.90
   LOCATION L0006515     VOLUME   485512.451 3754787.718 523.05
   LOCATION L0006516     VOLUME   485512.451 3754796.308 523.33
   LOCATION L0006517     VOLUME   485512.451 3754804.898 523.62
   LOCATION L0006518     VOLUME   485512.451 3754813.488 523.90
   LOCATION L0006519     VOLUME   485512.451 3754822.078 524.19
   LOCATION L0006520     VOLUME   485512.451 3754830.668 524.48
   LOCATION L0006521     VOLUME   485512.451 3754839.258 524.76
   LOCATION L0006522     VOLUME   485512.451 3754847.848 525.00
   LOCATION L0006523     VOLUME   485512.451 3754856.438 525.00
   LOCATION L0006524     VOLUME   485512.451 3754865.028 525.00
   LOCATION L0006525     VOLUME   485512.451 3754873.618 525.00
   LOCATION L0006526     VOLUME   485512.451 3754882.208 525.19
   LOCATION L0006527     VOLUME   485512.451 3754890.798 525.48
   LOCATION L0006528     VOLUME   485512.451 3754899.388 525.77
   LOCATION L0006529     VOLUME   485512.451 3754907.978 526.05
   LOCATION L0006530     VOLUME   485512.451 3754916.568 526.34
   LOCATION L0006531     VOLUME   485512.451 3754925.158 526.63
   LOCATION L0006532     VOLUME   485512.451 3754933.748 526.91
   LOCATION L0006533     VOLUME   485512.451 3754942.338 527.00
   LOCATION L0006534     VOLUME   485512.451 3754950.928 527.00
   LOCATION L0006535     VOLUME   485512.451 3754959.518 527.00
   LOCATION L0006536     VOLUME   485512.451 3754968.108 527.06
   LOCATION L0006537     VOLUME   485512.451 3754976.698 527.34
   LOCATION L0006538     VOLUME   485512.451 3754985.288 527.63
   LOCATION L0006539     VOLUME   485512.451 3754993.878 527.92
   LOCATION L0006540     VOLUME   485512.451 3755002.468 528.20
   LOCATION L0006541     VOLUME   485512.451 3755011.058 528.49
   LOCATION L0006542     VOLUME   485512.451 3755019.648 528.78
   LOCATION L0006543     VOLUME   485512.451 3755028.238 529.00
   LOCATION L0006544     VOLUME   485512.451 3755036.828 529.00
   LOCATION L0006545     VOLUME   485512.451 3755045.418 529.00
   LOCATION L0006546     VOLUME   485512.451 3755054.008 529.00
   LOCATION L0006547     VOLUME   485512.451 3755062.598 529.21
   LOCATION L0006548     VOLUME   485512.451 3755071.188 529.49
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   LOCATION L0006549     VOLUME   485512.451 3755079.778 529.78
   LOCATION L0006550     VOLUME   485512.451 3755088.368 530.07
   LOCATION L0006551     VOLUME   485512.451 3755096.958 530.35
   LOCATION L0006552     VOLUME   485512.451 3755105.548 530.64
   LOCATION L0006553     VOLUME   485512.451 3755114.138 530.93
   LOCATION L0006554     VOLUME   485512.451 3755122.728 531.09
   LOCATION L0006555     VOLUME   485512.451 3755131.318 531.21
   LOCATION L0006556     VOLUME   485512.451 3755139.908 531.32
   LOCATION L0006557     VOLUME   485512.451 3755148.498 531.45
   LOCATION L0006558     VOLUME   485512.451 3755157.088 531.62
   LOCATION L0006559     VOLUME   485512.451 3755165.678 531.79
   LOCATION L0006560     VOLUME   485512.451 3755174.268 531.96
   LOCATION L0006561     VOLUME   485512.451 3755182.858 532.22
   LOCATION L0006562     VOLUME   485512.451 3755191.448 532.50
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC 10% INBOUND SR-60
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.837E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 485510.853, 3755203.704, 532.94, 3.49, 4.00
** 485516.446, 3755673.528, 544.00, 3.49, 4.00
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   LOCATION L0006563     VOLUME   485510.904 3755207.999 533.11
   LOCATION L0006564     VOLUME   485511.006 3755216.588 533.68
   LOCATION L0006565     VOLUME   485511.108 3755225.177 534.25
   LOCATION L0006566     VOLUME   485511.210 3755233.767 534.83
   LOCATION L0006567     VOLUME   485511.313 3755242.356 535.20
   LOCATION L0006568     VOLUME   485511.415 3755250.946 535.49
   LOCATION L0006569     VOLUME   485511.517 3755259.535 535.77
   LOCATION L0006570     VOLUME   485511.619 3755268.124 536.00
   LOCATION L0006571     VOLUME   485511.722 3755276.714 536.00
   LOCATION L0006572     VOLUME   485511.824 3755285.303 536.00
   LOCATION L0006573     VOLUME   485511.926 3755293.893 536.00
   LOCATION L0006574     VOLUME   485512.029 3755302.482 536.00
   LOCATION L0006575     VOLUME   485512.131 3755311.071 536.00
   LOCATION L0006576     VOLUME   485512.233 3755319.661 536.00
   LOCATION L0006577     VOLUME   485512.335 3755328.250 536.03
   LOCATION L0006578     VOLUME   485512.438 3755336.839 536.14
   LOCATION L0006579     VOLUME   485512.540 3755345.429 536.26
   LOCATION L0006580     VOLUME   485512.642 3755354.018 536.39
   LOCATION L0006581     VOLUME   485512.744 3755362.608 536.54
   LOCATION L0006582     VOLUME   485512.847 3755371.197 536.71
   LOCATION L0006583     VOLUME   485512.949 3755379.786 536.87
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   LOCATION L0006584     VOLUME   485513.051 3755388.376 537.07
   LOCATION L0006585     VOLUME   485513.153 3755396.965 537.35
   LOCATION L0006586     VOLUME   485513.256 3755405.555 537.64
   LOCATION L0006587     VOLUME   485513.358 3755414.144 537.93
   LOCATION L0006588     VOLUME   485513.460 3755422.733 538.12
   LOCATION L0006589     VOLUME   485513.562 3755431.323 538.27
   LOCATION L0006590     VOLUME   485513.665 3755439.912 538.43
   LOCATION L0006591     VOLUME   485513.767 3755448.502 538.58
   LOCATION L0006592     VOLUME   485513.869 3755457.091 538.71
   LOCATION L0006593     VOLUME   485513.971 3755465.680 538.84
   LOCATION L0006594     VOLUME   485514.074 3755474.270 538.97
   LOCATION L0006595     VOLUME   485514.176 3755482.859 539.22
   LOCATION L0006596     VOLUME   485514.278 3755491.449 539.50
   LOCATION L0006597     VOLUME   485514.380 3755500.038 539.79
   LOCATION L0006598     VOLUME   485514.483 3755508.627 540.08
   LOCATION L0006599     VOLUME   485514.585 3755517.217 540.36
   LOCATION L0006600     VOLUME   485514.687 3755525.806 540.65
   LOCATION L0006601     VOLUME   485514.789 3755534.395 540.93
   LOCATION L0006602     VOLUME   485514.892 3755542.985 541.00
   LOCATION L0006603     VOLUME   485514.994 3755551.574 541.00
   LOCATION L0006604     VOLUME   485515.096 3755560.164 541.00
   LOCATION L0006605     VOLUME   485515.198 3755568.753 541.08
   LOCATION L0006606     VOLUME   485515.301 3755577.342 541.37
   LOCATION L0006607     VOLUME   485515.403 3755585.932 541.65
   LOCATION L0006608     VOLUME   485515.505 3755594.521 541.94
   LOCATION L0006609     VOLUME   485515.607 3755603.111 542.23
   LOCATION L0006610     VOLUME   485515.710 3755611.700 542.51
   LOCATION L0006611     VOLUME   485515.812 3755620.289 542.80
   LOCATION L0006612     VOLUME   485515.914 3755628.879 543.08
   LOCATION L0006613     VOLUME   485516.016 3755637.468 543.37
   LOCATION L0006614     VOLUME   485516.119 3755646.058 543.66
   LOCATION L0006615     VOLUME   485516.221 3755654.647 543.94
   LOCATION L0006616     VOLUME   485516.323 3755663.236 544.00
   LOCATION L0006617     VOLUME   485516.425 3755671.826 544.00
** END OF LINE VOLUME SOURCE ID = SLINE7
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0006618     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006619     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006620     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006621     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006622     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006623     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006624     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006625     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006626     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006627     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006628     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006629     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006630     0.000002496      3.49      4.00      3.25
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   SRCPARAM L0006631     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006632     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006633     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006634     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006635     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006636     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006637     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006638     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006639     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006640     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006641     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006642     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006643     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006644     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006645     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006646     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006647     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006648     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006649     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006650     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006651     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006652     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006653     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006654     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006655     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006656     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006657     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006658     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006659     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006660     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006661     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006662     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006663     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006664     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006665     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006666     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006667     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006668     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006669     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006670     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006671     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006672     0.000002496      3.49      4.00      3.25
   SRCPARAM L0006673     0.000002496      3.49      4.00      3.25
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   SRCPARAM L0005916     0.000002399      0.00      4.00      3.25
   SRCPARAM L0005917     0.000002399      0.00      4.00      3.25
   SRCPARAM L0005918     0.000002399      0.00      4.00      3.25
   SRCPARAM L0005919     0.000002399      0.00      4.00      3.25
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SRCPARAM L0005920     0.000002399      0.00      4.00      3.25
SRCPARAM L0005921     0.000002399      0.00      4.00      3.25
SRCPARAM L0005922     0.000002399      0.00      4.00      3.25
SRCPARAM L0005923     0.000002399      0.00      4.00      3.25
SRCPARAM L0005924     0.000002399      0.00      4.00      3.25
SRCPARAM L0005925     0.000002399      0.00      4.00      3.25
SRCPARAM L0005926     0.000002399      0.00      4.00      3.25
SRCPARAM L0005927     0.000002399      0.00      4.00      3.25
SRCPARAM L0005928     0.000002399      0.00      4.00      3.25
SRCPARAM L0005929     0.000002399      0.00      4.00      3.25
SRCPARAM L0005930     0.000002399      0.00      4.00      3.25
SRCPARAM L0005931     0.000002399      0.00      4.00      3.25
SRCPARAM L0005932     0.000002399      0.00      4.00      3.25
SRCPARAM L0005933     0.000002399      0.00      4.00      3.25
SRCPARAM L0005934     0.000002399      0.00      4.00      3.25
SRCPARAM L0005935     0.000002399      0.00      4.00      3.25
SRCPARAM L0005936     0.000002399      0.00      4.00      3.25
SRCPARAM L0005937     0.000002399      0.00      4.00      3.25
SRCPARAM L0005938     0.000002399      0.00      4.00      3.25
SRCPARAM L0005939     0.000002399      0.00      4.00      3.25
SRCPARAM L0005940     0.000002399      0.00      4.00      3.25
SRCPARAM L0005941     0.000002399      0.00      4.00      3.25
SRCPARAM L0005942     0.000002399      0.00      4.00      3.25
SRCPARAM L0005943     0.000002399      0.00      4.00      3.25
SRCPARAM L0005944     0.000002399      0.00      4.00      3.25
SRCPARAM L0005945     0.000002399      0.00      4.00      3.25
SRCPARAM L0005946     0.000002399      0.00      4.00      3.25
SRCPARAM L0005947     0.000002399      0.00      4.00      3.25
SRCPARAM L0005948     0.000002399      0.00      4.00      3.25
SRCPARAM L0005949     0.000002399      0.00      4.00      3.25
SRCPARAM L0005950     0.000002399      0.00      4.00      3.25
SRCPARAM L0005951     0.000002399      0.00      4.00      3.25
SRCPARAM L0005952     0.000002399      0.00      4.00      3.25
SRCPARAM L0005953     0.000002399      0.00      4.00      3.25
SRCPARAM L0005954     0.000002399      0.00      4.00      3.25
SRCPARAM L0005955     0.000002399      0.00      4.00      3.25
SRCPARAM L0005956     0.000002399      0.00      4.00      3.25
SRCPARAM L0005957     0.000002399      0.00      4.00      3.25
SRCPARAM L0005958     0.000002399      0.00      4.00      3.25
SRCPARAM L0005959     0.000002399      0.00      4.00      3.25
SRCPARAM L0005960     0.000002399      0.00      4.00      3.25
SRCPARAM L0005961     0.000002399      0.00      4.00      3.25
SRCPARAM L0005962     0.000002399      0.00      4.00      3.25
SRCPARAM L0005963     0.000002399      0.00      4.00      3.25
SRCPARAM L0005964     0.000002399      0.00      4.00      3.25
SRCPARAM L0005965     0.000002399      0.00      4.00      3.25
SRCPARAM L0005966     0.000002399      0.00      4.00      3.25
SRCPARAM L0005967     0.000002399      0.00      4.00      3.25
SRCPARAM L0005968     0.000002399      0.00      4.00      3.25
SRCPARAM L0005969     0.000002399      0.00      4.00      3.25
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SRCPARAM L0005970     0.000002399      0.00      4.00      3.25
SRCPARAM L0005971     0.000002399      0.00      4.00      3.25
SRCPARAM L0005972     0.000002399      0.00      4.00      3.25
SRCPARAM L0005973     0.000002399      0.00      4.00      3.25
SRCPARAM L0005974     0.000002399      0.00      4.00      3.25
SRCPARAM L0005975     0.000002399      0.00      4.00      3.25
SRCPARAM L0005976     0.000002399      0.00      4.00      3.25
SRCPARAM L0005977     0.000002399      0.00      4.00      3.25
SRCPARAM L0005978     0.000002399      0.00      4.00      3.25
SRCPARAM L0005979     0.000002399      0.00      4.00      3.25
SRCPARAM L0005980     0.000002399      0.00      4.00      3.25
SRCPARAM L0005981     0.000002399      0.00      4.00      3.25
SRCPARAM L0005982     0.000002399      0.00      4.00      3.25
SRCPARAM L0005983     0.000002399      0.00      4.00      3.25
SRCPARAM L0005984     0.000002399      0.00      4.00      3.25
SRCPARAM L0005985     0.000002399      0.00      4.00      3.25
SRCPARAM L0005986     0.000002399      0.00      4.00      3.25
SRCPARAM L0005987     0.000002399      0.00      4.00      3.25
SRCPARAM L0005988     0.000002399      0.00      4.00      3.25
SRCPARAM L0005989     0.000002399      0.00      4.00      3.25
SRCPARAM L0005990     0.000002399      0.00      4.00      3.25
SRCPARAM L0005991     0.000002399      0.00      4.00      3.25
SRCPARAM L0005992     0.000002399      0.00      4.00      3.25
SRCPARAM L0005993     0.000002399      0.00      4.00      3.25
SRCPARAM L0005994     0.000002399      0.00      4.00      3.25
SRCPARAM L0005995     0.000002399      0.00      4.00      3.25
SRCPARAM L0005996     0.000002399      0.00      4.00      3.25
SRCPARAM L0005997     0.000002399      0.00      4.00      3.25
SRCPARAM L0005998     0.000002399      0.00      4.00      3.25
SRCPARAM L0005999     0.000002399      0.00      4.00      3.25
SRCPARAM L0006000     0.000002399      0.00      4.00      3.25
SRCPARAM L0006001     0.000002399      0.00      4.00      3.25
SRCPARAM L0006002     0.000002399      0.00      4.00      3.25
SRCPARAM L0006003     0.000002399      0.00      4.00      3.25
SRCPARAM L0006004     0.000002399      0.00      4.00      3.25
SRCPARAM L0006005     0.000002399      0.00      4.00      3.25
SRCPARAM L0006006     0.000002399      0.00      4.00      3.25
SRCPARAM L0006007     0.000002399      0.00      4.00      3.25
SRCPARAM L0006008     0.000002399      0.00      4.00      3.25
SRCPARAM L0006009     0.000002399      0.00      4.00      3.25
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SRCPARAM L0006011     0.000002399      0.00      4.00      3.25
SRCPARAM L0006012     0.000002399      0.00      4.00      3.25
SRCPARAM L0006013     0.000002399      0.00      4.00      3.25
SRCPARAM L0006014     0.000002399      0.00      4.00      3.25
SRCPARAM L0006015     0.000002399      0.00      4.00      3.25
SRCPARAM L0006016     0.000002399      0.00      4.00      3.25
SRCPARAM L0006017     0.000002399      0.00      4.00      3.25
SRCPARAM L0006018     0.000002399      0.00      4.00      3.25
SRCPARAM L0006019     0.000002399      0.00      4.00      3.25
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   SRCPARAM L0006020     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006021     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006022     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006023     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006024     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006025     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006026     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006027     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006028     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006029     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006030     0.000002399      0.00      4.00      3.25
   SRCPARAM L0006031     0.000002399      0.00      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE4
   SRCPARAM L0006032     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006033     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006034     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006035     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006036     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006037     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006038     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006039     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006040     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006041     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006042     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006043     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006044     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006045     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006046     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006047     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006048     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006049     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006050     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006051     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006052     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006053     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006054     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006055     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006056     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006057     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006058     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006059     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006060     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006061     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006062     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006063     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006064     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006065     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006066     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006067     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006072     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006073     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006074     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006075     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006076     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006077     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006078     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006079     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006080     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006081     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006082     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006083     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006084     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006085     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006086     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006087     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006088     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006089     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006090     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006092     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006094     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006095     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006096     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006097     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006098     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006099     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006100     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006101     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006103     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006104     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006105     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006106     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006107     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006108     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006109     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006110     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006111     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006112     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006113     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006114     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006115     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006116     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006117     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006122     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006123     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006124     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006125     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006126     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006128     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006137     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006138     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006139     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006140     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006141     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006142     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006143     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006144     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006145     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006146     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006151     0.0000004152      3.49      4.00      3.25
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SRCPARAM L0006153     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006154     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006155     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006156     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006157     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006158     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006159     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006160     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006161     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006162     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006163     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006164     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006165     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006166     0.0000004152      3.49      4.00      3.25
SRCPARAM L0006167     0.0000004152      3.49      4.00      3.25
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   SRCPARAM L0006168     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006169     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006170     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006171     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006172     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006173     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006174     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006175     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006176     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006177     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006178     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006179     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006180     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006181     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006182     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006183     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006184     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006185     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006186     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006187     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006188     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006189     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006190     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006191     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006192     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006193     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006194     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006195     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006196     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006197     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006198     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006199     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006200     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006201     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006202     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006203     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006204     0.0000004152      3.49      4.00      3.25
   SRCPARAM L0006205     0.0000004152      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0006206     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006207     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006208     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006209     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006210     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006211     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006212     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006213     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006214     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006215     0.000000156      3.49      4.00      3.25
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SRCPARAM L0006216     0.000000156      3.49      4.00      3.25
SRCPARAM L0006217     0.000000156      3.49      4.00      3.25
SRCPARAM L0006218     0.000000156      3.49      4.00      3.25
SRCPARAM L0006219     0.000000156      3.49      4.00      3.25
SRCPARAM L0006220     0.000000156      3.49      4.00      3.25
SRCPARAM L0006221     0.000000156      3.49      4.00      3.25
SRCPARAM L0006222     0.000000156      3.49      4.00      3.25
SRCPARAM L0006223     0.000000156      3.49      4.00      3.25
SRCPARAM L0006224     0.000000156      3.49      4.00      3.25
SRCPARAM L0006225     0.000000156      3.49      4.00      3.25
SRCPARAM L0006226     0.000000156      3.49      4.00      3.25
SRCPARAM L0006227     0.000000156      3.49      4.00      3.25
SRCPARAM L0006228     0.000000156      3.49      4.00      3.25
SRCPARAM L0006229     0.000000156      3.49      4.00      3.25
SRCPARAM L0006230     0.000000156      3.49      4.00      3.25
SRCPARAM L0006231     0.000000156      3.49      4.00      3.25
SRCPARAM L0006232     0.000000156      3.49      4.00      3.25
SRCPARAM L0006233     0.000000156      3.49      4.00      3.25
SRCPARAM L0006234     0.000000156      3.49      4.00      3.25
SRCPARAM L0006235     0.000000156      3.49      4.00      3.25
SRCPARAM L0006236     0.000000156      3.49      4.00      3.25
SRCPARAM L0006237     0.000000156      3.49      4.00      3.25
SRCPARAM L0006238     0.000000156      3.49      4.00      3.25
SRCPARAM L0006239     0.000000156      3.49      4.00      3.25
SRCPARAM L0006240     0.000000156      3.49      4.00      3.25
SRCPARAM L0006241     0.000000156      3.49      4.00      3.25
SRCPARAM L0006242     0.000000156      3.49      4.00      3.25
SRCPARAM L0006243     0.000000156      3.49      4.00      3.25
SRCPARAM L0006244     0.000000156      3.49      4.00      3.25
SRCPARAM L0006245     0.000000156      3.49      4.00      3.25
SRCPARAM L0006246     0.000000156      3.49      4.00      3.25
SRCPARAM L0006247     0.000000156      3.49      4.00      3.25
SRCPARAM L0006248     0.000000156      3.49      4.00      3.25
SRCPARAM L0006249     0.000000156      3.49      4.00      3.25
SRCPARAM L0006250     0.000000156      3.49      4.00      3.25
SRCPARAM L0006251     0.000000156      3.49      4.00      3.25
SRCPARAM L0006252     0.000000156      3.49      4.00      3.25
SRCPARAM L0006253     0.000000156      3.49      4.00      3.25
SRCPARAM L0006254     0.000000156      3.49      4.00      3.25
SRCPARAM L0006255     0.000000156      3.49      4.00      3.25
SRCPARAM L0006256     0.000000156      3.49      4.00      3.25
SRCPARAM L0006257     0.000000156      3.49      4.00      3.25
SRCPARAM L0006258     0.000000156      3.49      4.00      3.25
SRCPARAM L0006259     0.000000156      3.49      4.00      3.25
SRCPARAM L0006260     0.000000156      3.49      4.00      3.25
SRCPARAM L0006261     0.000000156      3.49      4.00      3.25
SRCPARAM L0006262     0.000000156      3.49      4.00      3.25
SRCPARAM L0006263     0.000000156      3.49      4.00      3.25
SRCPARAM L0006264     0.000000156      3.49      4.00      3.25
SRCPARAM L0006265     0.000000156      3.49      4.00      3.25
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   SRCPARAM L0006266     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006267     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006268     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006269     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006270     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006271     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006272     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006273     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006274     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006275     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006276     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006277     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006278     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006279     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006280     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006281     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006282     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006283     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006284     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006285     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006286     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006287     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006288     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006289     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006290     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006291     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006292     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006293     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006294     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006295     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006296     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006297     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006298     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006299     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006300     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006301     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006302     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006303     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006304     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006305     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006306     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006307     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006308     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006309     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006310     0.000000156      3.49      4.00      3.25
   SRCPARAM L0006311     0.000000156      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE8
   SRCPARAM L0006312     0.00000026      3.49      4.00      3.25
   SRCPARAM L0006313     0.00000026      3.49      4.00      3.25
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SRCPARAM L0006314     0.00000026      3.49      4.00      3.25
SRCPARAM L0006315     0.00000026      3.49      4.00      3.25
SRCPARAM L0006316     0.00000026      3.49      4.00      3.25
SRCPARAM L0006317     0.00000026      3.49      4.00      3.25
SRCPARAM L0006318     0.00000026      3.49      4.00      3.25
SRCPARAM L0006319     0.00000026      3.49      4.00      3.25
SRCPARAM L0006320     0.00000026      3.49      4.00      3.25
SRCPARAM L0006321     0.00000026      3.49      4.00      3.25
SRCPARAM L0006322     0.00000026      3.49      4.00      3.25
SRCPARAM L0006323     0.00000026      3.49      4.00      3.25
SRCPARAM L0006324     0.00000026      3.49      4.00      3.25
SRCPARAM L0006325     0.00000026      3.49      4.00      3.25
SRCPARAM L0006326     0.00000026      3.49      4.00      3.25
SRCPARAM L0006327     0.00000026      3.49      4.00      3.25
SRCPARAM L0006328     0.00000026      3.49      4.00      3.25
SRCPARAM L0006329     0.00000026      3.49      4.00      3.25
SRCPARAM L0006330     0.00000026      3.49      4.00      3.25
SRCPARAM L0006331     0.00000026      3.49      4.00      3.25
SRCPARAM L0006332     0.00000026      3.49      4.00      3.25
SRCPARAM L0006333     0.00000026      3.49      4.00      3.25
SRCPARAM L0006334     0.00000026      3.49      4.00      3.25
SRCPARAM L0006335     0.00000026      3.49      4.00      3.25
SRCPARAM L0006336     0.00000026      3.49      4.00      3.25
SRCPARAM L0006337     0.00000026      3.49      4.00      3.25
SRCPARAM L0006338     0.00000026      3.49      4.00      3.25
SRCPARAM L0006339     0.00000026      3.49      4.00      3.25
SRCPARAM L0006340     0.00000026      3.49      4.00      3.25
SRCPARAM L0006341     0.00000026      3.49      4.00      3.25
SRCPARAM L0006342     0.00000026      3.49      4.00      3.25
SRCPARAM L0006343     0.00000026      3.49      4.00      3.25
SRCPARAM L0006344     0.00000026      3.49      4.00      3.25
SRCPARAM L0006345     0.00000026      3.49      4.00      3.25
SRCPARAM L0006346     0.00000026      3.49      4.00      3.25
SRCPARAM L0006347     0.00000026      3.49      4.00      3.25
SRCPARAM L0006348     0.00000026      3.49      4.00      3.25
SRCPARAM L0006349     0.00000026      3.49      4.00      3.25
SRCPARAM L0006350     0.00000026      3.49      4.00      3.25
SRCPARAM L0006351     0.00000026      3.49      4.00      3.25
SRCPARAM L0006352     0.00000026      3.49      4.00      3.25
SRCPARAM L0006353     0.00000026      3.49      4.00      3.25
SRCPARAM L0006354     0.00000026      3.49      4.00      3.25
SRCPARAM L0006355     0.00000026      3.49      4.00      3.25
SRCPARAM L0006356     0.00000026      3.49      4.00      3.25
SRCPARAM L0006357     0.00000026      3.49      4.00      3.25
SRCPARAM L0006358     0.00000026      3.49      4.00      3.25
SRCPARAM L0006359     0.00000026      3.49      4.00      3.25
SRCPARAM L0006360     0.00000026      3.49      4.00      3.25
SRCPARAM L0006361     0.00000026      3.49      4.00      3.25
SRCPARAM L0006362     0.00000026      3.49      4.00      3.25
SRCPARAM L0006363     0.00000026      3.49      4.00      3.25
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SRCPARAM L0006364     0.00000026      3.49      4.00      3.25
SRCPARAM L0006365     0.00000026      3.49      4.00      3.25
SRCPARAM L0006366     0.00000026      3.49      4.00      3.25
SRCPARAM L0006367     0.00000026      3.49      4.00      3.25
SRCPARAM L0006368     0.00000026      3.49      4.00      3.25
SRCPARAM L0006369     0.00000026      3.49      4.00      3.25
SRCPARAM L0006370     0.00000026      3.49      4.00      3.25
SRCPARAM L0006371     0.00000026      3.49      4.00      3.25
SRCPARAM L0006372     0.00000026      3.49      4.00      3.25
SRCPARAM L0006373     0.00000026      3.49      4.00      3.25
SRCPARAM L0006374     0.00000026      3.49      4.00      3.25
SRCPARAM L0006375     0.00000026      3.49      4.00      3.25
SRCPARAM L0006376     0.00000026      3.49      4.00      3.25
SRCPARAM L0006377     0.00000026      3.49      4.00      3.25
SRCPARAM L0006378     0.00000026      3.49      4.00      3.25
SRCPARAM L0006379     0.00000026      3.49      4.00      3.25
SRCPARAM L0006380     0.00000026      3.49      4.00      3.25
SRCPARAM L0006381     0.00000026      3.49      4.00      3.25
SRCPARAM L0006382     0.00000026      3.49      4.00      3.25
SRCPARAM L0006383     0.00000026      3.49      4.00      3.25
SRCPARAM L0006384     0.00000026      3.49      4.00      3.25
SRCPARAM L0006385     0.00000026      3.49      4.00      3.25
SRCPARAM L0006386     0.00000026      3.49      4.00      3.25
SRCPARAM L0006387     0.00000026      3.49      4.00      3.25
SRCPARAM L0006388     0.00000026      3.49      4.00      3.25
SRCPARAM L0006389     0.00000026      3.49      4.00      3.25
SRCPARAM L0006390     0.00000026      3.49      4.00      3.25
SRCPARAM L0006391     0.00000026      3.49      4.00      3.25
SRCPARAM L0006392     0.00000026      3.49      4.00      3.25
SRCPARAM L0006393     0.00000026      3.49      4.00      3.25
SRCPARAM L0006394     0.00000026      3.49      4.00      3.25
SRCPARAM L0006395     0.00000026      3.49      4.00      3.25
SRCPARAM L0006396     0.00000026      3.49      4.00      3.25
SRCPARAM L0006397     0.00000026      3.49      4.00      3.25
SRCPARAM L0006398     0.00000026      3.49      4.00      3.25
SRCPARAM L0006399     0.00000026      3.49      4.00      3.25
SRCPARAM L0006400     0.00000026      3.49      4.00      3.25
SRCPARAM L0006401     0.00000026      3.49      4.00      3.25
SRCPARAM L0006402     0.00000026      3.49      4.00      3.25
SRCPARAM L0006403     0.00000026      3.49      4.00      3.25
SRCPARAM L0006404     0.00000026      3.49      4.00      3.25
SRCPARAM L0006405     0.00000026      3.49      4.00      3.25
SRCPARAM L0006406     0.00000026      3.49      4.00      3.25
SRCPARAM L0006407     0.00000026      3.49      4.00      3.25
SRCPARAM L0006408     0.00000026      3.49      4.00      3.25
SRCPARAM L0006409     0.00000026      3.49      4.00      3.25
SRCPARAM L0006410     0.00000026      3.49      4.00      3.25
SRCPARAM L0006411     0.00000026      3.49      4.00      3.25
SRCPARAM L0006412     0.00000026      3.49      4.00      3.25
SRCPARAM L0006413     0.00000026      3.49      4.00      3.25
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   SRCPARAM L0006414     0.00000026      3.49      4.00      3.25
   SRCPARAM L0006415     0.00000026      3.49      4.00      3.25
   SRCPARAM L0006416     0.00000026      3.49      4.00      3.25
   SRCPARAM L0006417     0.00000026      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE9
   SRCPARAM L0006418     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006419     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006420     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006421     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006422     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006423     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006424     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006425     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006426     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006427     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006428     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006429     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006430     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006431     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006432     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006433     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006434     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006435     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006436     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006437     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006438     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006439     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006440     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006441     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006442     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006443     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006444     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006445     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006446     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006447     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006448     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006449     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006450     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006451     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006452     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006453     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006454     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006455     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006456     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006457     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006458     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006459     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006460     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006461     0.00000005192      0.00      4.00      3.25
```

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   SRCPARAM L0006462     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006463     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006464     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006465     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006466     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006467     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006468     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006469     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006470     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006471     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006472     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006473     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006474     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006475     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006476     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006477     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006478     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006479     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006480     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006481     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006482     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006483     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006484     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006485     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006486     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006487     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006488     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006489     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006490     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006491     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006492     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006493     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006494     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006495     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006496     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006497     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006498     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006499     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006500     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006501     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006502     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006503     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006504     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006505     0.00000005192      0.00      4.00      3.25
   SRCPARAM L0006506     0.00000005192      0.00      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0006507     0.0000001545      3.49      4.00      3.25
   SRCPARAM L0006508     0.0000001545      3.49      4.00      3.25
   SRCPARAM L0006509     0.0000001545      3.49      4.00      3.25
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SRCPARAM L0006510     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006511     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006512     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006513     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006514     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006515     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006516     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006517     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006518     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006519     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006520     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006521     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006522     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006523     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006524     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006525     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006526     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006527     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006528     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006529     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006530     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006531     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006532     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006533     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006534     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006535     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006536     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006537     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006538     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006539     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006540     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006541     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006542     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006543     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006544     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006545     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006546     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006547     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006548     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006549     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006550     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006551     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006552     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006553     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006554     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006555     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006556     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006557     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006558     0.0000001545      3.49      4.00      3.25
SRCPARAM L0006559     0.0000001545      3.49      4.00      3.25
```

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   SRCPARAM L0006560     0.0000001545      3.49      4.00      3.25
   SRCPARAM L0006561     0.0000001545      3.49      4.00      3.25
   SRCPARAM L0006562     0.0000001545      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE7
   SRCPARAM L0006563     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006564     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006565     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006566     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006567     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006568     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006569     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006570     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006571     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006572     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006573     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006574     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006575     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006576     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006577     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006578     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006579     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006580     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006581     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006582     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006583     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006584     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006585     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006586     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006587     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006588     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006589     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006590     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006591     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006592     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006593     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006594     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006595     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006596     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006597     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006598     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006599     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006600     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006601     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006602     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006603     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006604     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006605     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006606     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006607     0.00000005158      3.49      4.00      3.25
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   SRCPARAM L0006608     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006609     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006610     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006611     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006612     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006613     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006614     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006615     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006616     0.00000005158      3.49      4.00      3.25
   SRCPARAM L0006617     0.00000005158      3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "12974 FC.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 "12974 FC.AD\AN00GALL.PLT" 31
   SUMMFILE "12974 FC.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    1736       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187    1736       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                           ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                           ***       12:29:46

                                    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   759 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:  OTHER

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    759 Source(s);       1 Source Group(s); and      19
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    759 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: 12974 FC.ERR

**File for Summary of Results: 12974 FC.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
L0006618	0	0.24960E-05	484874.7	3754955.2	531.6	3.49	4.00	3.25	YES	
L0006619	0	0.24960E-05	484883.3	3754955.3	531.6	3.49	4.00	3.25	YES	
L0006620	0	0.24960E-05	484891.9	3754955.3	531.6	3.49	4.00	3.25	YES	
L0006621	0	0.24960E-05	484900.4	3754955.3	531.6	3.49	4.00	3.25	YES	
L0006622	0	0.24960E-05	484909.0	3754955.4	531.6	3.49	4.00	3.25	YES	
L0006623	0	0.24960E-05	484917.6	3754955.4	531.6	3.49	4.00	3.25	YES	
L0006624	0	0.24960E-05	484926.2	3754955.5	531.6	3.49	4.00	3.25	YES	
L0006625	0	0.24960E-05	484934.8	3754955.5	531.6	3.49	4.00	3.25	YES	

L0006626	0	0.24960E-05	484943.4	3754955.5	531.6	3.49	4.00	3.25 YES
L0006627	0	0.24960E-05	484952.0	3754955.6	531.6	3.49	4.00	3.25 YES
L0006628	0	0.24960E-05	484960.6	3754955.6	531.6	3.49	4.00	3.25 YES
L0006629	0	0.24960E-05	484969.2	3754955.7	531.3	3.49	4.00	3.25 YES
L0006630	0	0.24960E-05	484977.8	3754955.7	531.1	3.49	4.00	3.25 YES
L0006631	0	0.24960E-05	484986.3	3754955.8	530.8	3.49	4.00	3.25 YES
L0006632	0	0.24960E-05	484994.9	3754955.8	530.6	3.49	4.00	3.25 YES
L0006633	0	0.24960E-05	485003.5	3754955.8	530.6	3.49	4.00	3.25 YES
L0006634	0	0.24960E-05	485012.1	3754955.9	530.6	3.49	4.00	3.25 YES
L0006635	0	0.24960E-05	485020.7	3754955.9	530.6	3.49	4.00	3.25 YES
L0006636	0	0.24960E-05	485029.3	3754956.0	530.6	3.49	4.00	3.25 YES
L0006637	0	0.24960E-05	485037.9	3754956.0	530.6	3.49	4.00	3.25 YES
L0006638	0	0.24960E-05	485046.5	3754956.0	530.7	3.49	4.00	3.25 YES
L0006639	0	0.24960E-05	485055.1	3754956.1	530.7	3.49	4.00	3.25 YES
L0006640	0	0.24960E-05	485063.7	3754956.1	530.7	3.49	4.00	3.25 YES
L0006641	0	0.24960E-05	485072.2	3754956.2	530.7	3.49	4.00	3.25 YES
L0006642	0	0.24960E-05	485080.8	3754956.2	530.6	3.49	4.00	3.25 YES
L0006643	0	0.24960E-05	485089.4	3754956.3	530.5	3.49	4.00	3.25 YES
L0006644	0	0.24960E-05	485098.0	3754956.3	530.3	3.49	4.00	3.25 YES
L0006645	0	0.24960E-05	485106.6	3754956.3	530.1	3.49	4.00	3.25 YES
L0006646	0	0.24960E-05	485115.2	3754956.4	529.9	3.49	4.00	3.25 YES
L0006647	0	0.24960E-05	485123.8	3754956.4	529.8	3.49	4.00	3.25 YES
L0006648	0	0.24960E-05	485132.4	3754956.5	529.8	3.49	4.00	3.25 YES
L0006649	0	0.24960E-05	485141.0	3754956.5	529.7	3.49	4.00	3.25 YES
L0006650	0	0.24960E-05	485149.6	3754956.5	529.7	3.49	4.00	3.25 YES

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 L0006651         0   0.24960E-05  485158.1 3754956.6   529.7     3.49     4.00
3.25     YES
 L0006652         0   0.24960E-05  485166.7 3754956.6   529.7     3.49     4.00
3.25     YES
 L0006653         0   0.24960E-05  485175.3 3754956.7   529.7     3.49     4.00
3.25     YES
 L0006654         0   0.24960E-05  485183.9 3754956.7   529.7     3.49     4.00
3.25     YES
 L0006655         0   0.24960E-05  485192.5 3754956.7   529.7     3.49     4.00
3.25     YES
 L0006656         0   0.24960E-05  485201.1 3754956.8   529.7     3.49     4.00
3.25     YES
 L0006657         0   0.24960E-05  485209.7 3754956.8   529.5     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        12:29:46

                                  PAGE   3
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0006658         0   0.24960E-05  485218.3 3754956.9   529.3     3.49     4.00
3.25     YES
 L0006659         0   0.24960E-05  485226.9 3754956.9   529.1     3.49     4.00
3.25     YES
 L0006660         0   0.24960E-05  485235.5 3754957.0   528.9     3.49     4.00
3.25     YES
 L0006661         0   0.24960E-05  485244.0 3754957.0   528.8     3.49     4.00
3.25     YES
 L0006662         0   0.24960E-05  485252.6 3754957.0   528.8     3.49     4.00
3.25     YES
 L0006663         0   0.24960E-05  485261.2 3754957.1   528.7     3.49     4.00
3.25     YES
 L0006664         0   0.24960E-05  485269.8 3754957.1   528.7     3.49     4.00
3.25     YES
 L0006665         0   0.24960E-05  485278.4 3754957.2   528.7     3.49     4.00
3.25     YES
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L0006666	0	0.24960E-05	485287.0	3754957.2	528.7	3.49	4.00	3.25 YES
L0006667	0	0.24960E-05	485295.6	3754957.2	528.6	3.49	4.00	3.25 YES
L0006668	0	0.24960E-05	485304.2	3754957.3	528.4	3.49	4.00	3.25 YES
L0006669	0	0.24960E-05	485312.8	3754957.3	528.2	3.49	4.00	3.25 YES
L0006670	0	0.24960E-05	485321.4	3754957.4	528.0	3.49	4.00	3.25 YES
L0006671	0	0.24960E-05	485329.9	3754957.4	528.0	3.49	4.00	3.25 YES
L0006672	0	0.24960E-05	485338.5	3754957.4	528.0	3.49	4.00	3.25 YES
L0006673	0	0.24960E-05	485347.1	3754957.5	528.0	3.49	4.00	3.25 YES
L0005915	0	0.23990E-05	484772.5	3754988.7	533.0	0.00	4.00	3.25 YES
L0005916	0	0.23990E-05	484772.5	3754980.1	533.0	0.00	4.00	3.25 YES
L0005917	0	0.23990E-05	484772.5	3754971.5	533.0	0.00	4.00	3.25 YES
L0005918	0	0.23990E-05	484772.6	3754962.9	532.9	0.00	4.00	3.25 YES
L0005919	0	0.23990E-05	484772.6	3754954.3	532.6	0.00	4.00	3.25 YES
L0005920	0	0.23990E-05	484777.3	3754952.0	532.5	0.00	4.00	3.25 YES
L0005921	0	0.23990E-05	484785.6	3754954.4	532.5	0.00	4.00	3.25 YES
L0005922	0	0.23990E-05	484793.8	3754956.7	532.4	0.00	4.00	3.25 YES
L0005923	0	0.23990E-05	484802.1	3754959.1	532.2	0.00	4.00	3.25 YES
L0005924	0	0.23990E-05	484810.3	3754961.5	532.0	0.00	4.00	3.25 YES
L0005925	0	0.23990E-05	484818.6	3754963.8	532.0	0.00	4.00	3.25 YES
L0005926	0	0.23990E-05	484826.9	3754966.2	532.0	0.00	4.00	3.25 YES
L0005927	0	0.23990E-05	484835.1	3754968.6	532.1	0.00	4.00	3.25 YES
L0005928	0	0.23990E-05	484843.7	3754968.9	532.1	0.00	4.00	3.25 YES
L0005929	0	0.23990E-05	484852.2	3754969.0	532.1	0.00	4.00	3.25 YES
L0005930	0	0.23990E-05	484860.8	3754969.0	532.1	0.00	4.00	3.25 YES
L0005931	0	0.23990E-05	484869.4	3754969.0	532.1	0.00	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005932	0	0.23990E-05	484878.0	3754969.0	532.1	0.00	4.00	3.25	YES	
L0005933	0	0.23990E-05	484886.6	3754969.1	532.1	0.00	4.00	3.25	YES	
L0005934	0	0.23990E-05	484895.2	3754969.1	532.1	0.00	4.00	3.25	YES	
L0005935	0	0.23990E-05	484903.8	3754969.1	532.1	0.00	4.00	3.25	YES	
L0005936	0	0.23990E-05	484912.4	3754969.1	532.1	0.00	4.00	3.25	YES	
L0005937	0	0.23990E-05	484921.0	3754969.2	532.1	0.00	4.00	3.25	YES	
L0005938	0	0.23990E-05	484929.6	3754969.2	532.1	0.00	4.00	3.25	YES	
L0005939	0	0.23990E-05	484938.1	3754969.2	532.1	0.00	4.00	3.25	YES	
L0005940	0	0.23990E-05	484946.7	3754969.2	532.0	0.00	4.00	3.25	YES	
L0005941	0	0.23990E-05	484955.3	3754969.3	532.0	0.00	4.00	3.25	YES	
L0005942	0	0.23990E-05	484963.9	3754969.3	531.9	0.00	4.00	3.25	YES	
L0005943	0	0.23990E-05	484972.5	3754969.3	531.6	0.00	4.00	3.25	YES	
L0005944	0	0.23990E-05	484981.1	3754969.3	531.4	0.00	4.00	3.25	YES	
L0005945	0	0.23990E-05	484989.7	3754969.4	531.1	0.00	4.00	3.25	YES	
L0005946	0	0.23990E-05	484998.3	3754969.4	531.1	0.00	4.00	3.25	YES	

L0005947	0	0.23990E-05	485006.9	3754969.4	531.1	0.00	4.00	3.25 YES
L0005948	0	0.23990E-05	485015.5	3754969.4	531.1	0.00	4.00	3.25 YES
L0005949	0	0.23990E-05	485024.0	3754969.5	531.1	0.00	4.00	3.25 YES
L0005950	0	0.23990E-05	485032.6	3754969.5	531.1	0.00	4.00	3.25 YES
L0005951	0	0.23990E-05	485041.2	3754969.5	531.0	0.00	4.00	3.25 YES
L0005952	0	0.23990E-05	485049.8	3754969.5	531.0	0.00	4.00	3.25 YES
L0005953	0	0.23990E-05	485058.4	3754969.6	531.0	0.00	4.00	3.25 YES
L0005954	0	0.23990E-05	485067.0	3754969.6	531.0	0.00	4.00	3.25 YES
L0005955	0	0.23990E-05	485075.6	3754969.6	531.0	0.00	4.00	3.25 YES
L0005956	0	0.23990E-05	485084.2	3754969.6	530.9	0.00	4.00	3.25 YES
L0005957	0	0.23990E-05	485092.8	3754969.7	530.6	0.00	4.00	3.25 YES
L0005958	0	0.23990E-05	485101.3	3754969.7	530.4	0.00	4.00	3.25 YES
L0005959	0	0.23990E-05	485109.9	3754969.7	530.1	0.00	4.00	3.25 YES
L0005960	0	0.23990E-05	485118.5	3754969.7	530.1	0.00	4.00	3.25 YES
L0005961	0	0.23990E-05	485127.1	3754969.8	530.1	0.00	4.00	3.25 YES
L0005962	0	0.23990E-05	485135.7	3754969.8	530.1	0.00	4.00	3.25 YES
L0005963	0	0.23990E-05	485144.3	3754969.8	530.1	0.00	4.00	3.25 YES
L0005964	0	0.23990E-05	485152.9	3754969.8	530.1	0.00	4.00	3.25 YES
L0005965	0	0.23990E-05	485161.5	3754969.9	530.0	0.00	4.00	3.25 YES
L0005966	0	0.23990E-05	485170.1	3754969.9	530.0	0.00	4.00	3.25 YES
L0005967	0	0.23990E-05	485178.7	3754969.9	530.0	0.00	4.00	3.25 YES
L0005968	0	0.23990E-05	485187.2	3754969.9	530.0	0.00	4.00	3.25 YES
L0005969	0	0.23990E-05	485195.8	3754970.0	530.0	0.00	4.00	3.25 YES
L0005970	0	0.23990E-05	485204.4	3754970.0	529.9	0.00	4.00	3.25 YES
L0005971	0	0.23990E-05	485213.0	3754970.0	529.6	0.00	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0005972	0	0.23990E-05	485221.6	3754970.0	529.4	0.00	4.00	3.25	YES	
L0005973	0	0.23990E-05	485230.2	3754970.1	529.1	0.00	4.00	3.25	YES	
L0005974	0	0.23990E-05	485238.8	3754970.1	529.1	0.00	4.00	3.25	YES	
L0005975	0	0.23990E-05	485247.4	3754970.1	529.1	0.00	4.00	3.25	YES	
L0005976	0	0.23990E-05	485256.0	3754970.1	529.1	0.00	4.00	3.25	YES	
L0005977	0	0.23990E-05	485264.6	3754970.2	529.1	0.00	4.00	3.25	YES	
L0005978	0	0.23990E-05	485273.1	3754970.2	529.1	0.00	4.00	3.25	YES	
L0005979	0	0.23990E-05	485281.7	3754970.2	529.0	0.00	4.00	3.25	YES	
L0005980	0	0.23990E-05	485290.3	3754970.2	529.0	0.00	4.00	3.25	YES	
L0005981	0	0.23990E-05	485298.9	3754970.3	528.7	0.00	4.00	3.25	YES	
L0005982	0	0.23990E-05	485307.5	3754970.3	528.5	0.00	4.00	3.25	YES	
L0005983	0	0.23990E-05	485316.1	3754970.3	528.2	0.00	4.00	3.25	YES	
L0005984	0	0.23990E-05	485324.7	3754970.3	528.1	0.00	4.00	3.25	YES	
L0005985	0	0.23990E-05	485333.3	3754970.4	528.1	0.00	4.00	3.25	YES	
L0005986	0	0.23990E-05	485341.9	3754970.4	528.1	0.00	4.00	3.25	YES	

L0005987	0	0.23990E-05	485350.5	3754970.4	528.1	0.00	4.00	3.25 YES
L0005988	0	0.23990E-05	485359.0	3754970.4	528.1	0.00	4.00	3.25 YES
L0005989	0	0.23990E-05	485367.6	3754970.5	528.1	0.00	4.00	3.25 YES
L0005990	0	0.23990E-05	485376.2	3754970.5	528.1	0.00	4.00	3.25 YES
L0005991	0	0.23990E-05	485384.8	3754970.5	528.1	0.00	4.00	3.25 YES
L0005992	0	0.23990E-05	485393.4	3754970.5	528.1	0.00	4.00	3.25 YES
L0005993	0	0.23990E-05	485402.0	3754970.6	528.0	0.00	4.00	3.25 YES
L0005994	0	0.23990E-05	485410.6	3754970.6	528.0	0.00	4.00	3.25 YES
L0005995	0	0.23990E-05	485414.1	3754965.5	528.0	0.00	4.00	3.25 YES
L0005996	0	0.23990E-05	485414.0	3754956.9	527.7	0.00	4.00	3.25 YES
L0005997	0	0.23990E-05	485414.0	3754948.3	527.4	0.00	4.00	3.25 YES
L0005998	0	0.23990E-05	485414.0	3754939.7	527.1	0.00	4.00	3.25 YES
L0005999	0	0.23990E-05	485414.0	3754931.1	527.0	0.00	4.00	3.25 YES
L0006000	0	0.23990E-05	485414.0	3754922.5	526.9	0.00	4.00	3.25 YES
L0006001	0	0.23990E-05	485414.0	3754914.0	526.9	0.00	4.00	3.25 YES
L0006002	0	0.23990E-05	485413.9	3754905.4	526.8	0.00	4.00	3.25 YES
L0006003	0	0.23990E-05	485413.9	3754896.8	526.6	0.00	4.00	3.25 YES
L0006004	0	0.23990E-05	485413.9	3754888.2	526.3	0.00	4.00	3.25 YES
L0006005	0	0.23990E-05	485413.9	3754879.6	526.1	0.00	4.00	3.25 YES
L0006006	0	0.23990E-05	485413.9	3754871.0	525.8	0.00	4.00	3.25 YES
L0006007	0	0.23990E-05	485413.9	3754862.4	525.5	0.00	4.00	3.25 YES
L0006008	0	0.23990E-05	485413.9	3754853.8	525.2	0.00	4.00	3.25 YES
L0006009	0	0.23990E-05	485413.8	3754845.2	525.0	0.00	4.00	3.25 YES
L0006010	0	0.23990E-05	485413.8	3754836.6	525.0	0.00	4.00	3.25 YES
L0006011	0	0.23990E-05	485413.8	3754828.1	525.0	0.00	4.00	3.25 YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006012	0	0.23990E-05	485413.8	3754819.5	525.0	0.00	4.00	3.25	YES	
L0006013	0	0.23990E-05	485413.8	3754810.9	524.8	0.00	4.00	3.25	YES	
L0006014	0	0.23990E-05	485413.8	3754802.3	524.5	0.00	4.00	3.25	YES	
L0006015	0	0.23990E-05	485413.7	3754793.7	524.2	0.00	4.00	3.25	YES	
L0006016	0	0.23990E-05	485413.7	3754785.1	524.0	0.00	4.00	3.25	YES	
L0006017	0	0.23990E-05	485413.7	3754776.5	523.7	0.00	4.00	3.25	YES	
L0006018	0	0.23990E-05	485413.7	3754767.9	523.4	0.00	4.00	3.25	YES	
L0006019	0	0.23990E-05	485413.7	3754759.3	523.1	0.00	4.00	3.25	YES	
L0006020	0	0.23990E-05	485413.7	3754750.7	523.0	0.00	4.00	3.25	YES	
L0006021	0	0.23990E-05	485413.6	3754742.2	522.9	0.00	4.00	3.25	YES	
L0006022	0	0.23990E-05	485413.6	3754733.6	522.9	0.00	4.00	3.25	YES	
L0006023	0	0.23990E-05	485413.6	3754725.0	522.8	0.00	4.00	3.25	YES	
L0006024	0	0.23990E-05	485416.3	3754719.1	522.6	0.00	4.00	3.25	YES	
L0006025	0	0.23990E-05	485424.9	3754719.2	522.4	0.00	4.00	3.25	YES	
L0006026	0	0.23990E-05	485433.5	3754719.2	522.2	0.00	4.00	3.25	YES	

L0006027	0	0.23990E-05	485442.1	3754719.2	522.0	0.00	4.00	3.25 YES
L0006028	0	0.23990E-05	485450.7	3754719.3	521.9	0.00	4.00	3.25 YES
L0006029	0	0.23990E-05	485459.3	3754719.3	521.8	0.00	4.00	3.25 YES
L0006030	0	0.23990E-05	485467.9	3754719.3	521.8	0.00	4.00	3.25 YES
L0006031	0	0.23990E-05	485476.4	3754719.4	521.8	0.00	4.00	3.25 YES
L0006032	0	0.41520E-06	484765.2	3755016.9	533.7	3.49	4.00	3.25 YES
L0006033	0	0.41520E-06	484756.6	3755017.1	533.7	3.49	4.00	3.25 YES
L0006034	0	0.41520E-06	484748.0	3755017.3	533.7	3.49	4.00	3.25 YES
L0006035	0	0.41520E-06	484739.4	3755017.5	533.7	3.49	4.00	3.25 YES
L0006036	0	0.41520E-06	484730.8	3755017.7	533.7	3.49	4.00	3.25 YES
L0006037	0	0.41520E-06	484722.2	3755017.8	533.7	3.49	4.00	3.25 YES
L0006038	0	0.41520E-06	484713.6	3755018.0	533.8	3.49	4.00	3.25 YES
L0006039	0	0.41520E-06	484705.0	3755018.2	533.9	3.49	4.00	3.25 YES
L0006040	0	0.41520E-06	484696.5	3755018.4	533.9	3.49	4.00	3.25 YES
L0006041	0	0.41520E-06	484687.9	3755018.6	534.0	3.49	4.00	3.25 YES
L0006042	0	0.41520E-06	484679.3	3755018.8	534.0	3.49	4.00	3.25 YES
L0006043	0	0.41520E-06	484670.7	3755018.9	534.0	3.49	4.00	3.25 YES
L0006044	0	0.41520E-06	484662.1	3755019.1	534.0	3.49	4.00	3.25 YES
L0006045	0	0.41520E-06	484653.5	3755019.3	534.2	3.49	4.00	3.25 YES
L0006046	0	0.41520E-06	484644.9	3755019.5	534.4	3.49	4.00	3.25 YES
L0006047	0	0.41520E-06	484636.3	3755019.7	534.6	3.49	4.00	3.25 YES
L0006048	0	0.41520E-06	484627.8	3755019.8	534.8	3.49	4.00	3.25 YES
L0006049	0	0.41520E-06	484619.2	3755020.5	534.8	3.49	4.00	3.25 YES
L0006050	0	0.41520E-06	484610.7	3755021.5	534.8	3.49	4.00	3.25 YES
L0006051	0	0.41520E-06	484602.1	3755022.5	534.9	3.49	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006052	0	0.41520E-06	484593.6	3755023.5	534.9	3.49	4.00	3.25	YES	
L0006053	0	0.41520E-06	484585.1	3755024.5	534.9	3.49	4.00	3.25	YES	
L0006054	0	0.41520E-06	484576.5	3755025.5	535.0	3.49	4.00	3.25	YES	
L0006055	0	0.41520E-06	484568.0	3755026.5	535.0	3.49	4.00	3.25	YES	
L0006056	0	0.41520E-06	484559.5	3755027.5	535.0	3.49	4.00	3.25	YES	
L0006057	0	0.41520E-06	484550.9	3755028.5	535.0	3.49	4.00	3.25	YES	
L0006058	0	0.41520E-06	484542.5	3755030.0	535.0	3.49	4.00	3.25	YES	
L0006059	0	0.41520E-06	484534.3	3755032.6	535.0	3.49	4.00	3.25	YES	
L0006060	0	0.41520E-06	484526.1	3755035.2	535.0	3.49	4.00	3.25	YES	
L0006061	0	0.41520E-06	484517.9	3755037.7	535.0	3.49	4.00	3.25	YES	
L0006062	0	0.41520E-06	484509.7	3755040.3	535.0	3.49	4.00	3.25	YES	
L0006063	0	0.41520E-06	484501.5	3755042.9	535.0	3.49	4.00	3.25	YES	
L0006064	0	0.41520E-06	484493.4	3755045.5	535.0	3.49	4.00	3.25	YES	
L0006065	0	0.41520E-06	484485.2	3755048.0	535.0	3.49	4.00	3.25	YES	
L0006066	0	0.41520E-06	484477.0	3755050.6	535.0	3.49	4.00	3.25	YES	

L0006067	0	0.41520E-06	484468.8	3755053.2	535.0	3.49	4.00	3.25 YES
L0006068	0	0.41520E-06	484460.6	3755055.8	535.0	3.49	4.00	3.25 YES
L0006069	0	0.41520E-06	484452.4	3755058.4	535.1	3.49	4.00	3.25 YES
L0006070	0	0.41520E-06	484444.2	3755060.9	535.1	3.49	4.00	3.25 YES
L0006071	0	0.41520E-06	484436.1	3755063.7	535.2	3.49	4.00	3.25 YES
L0006072	0	0.41520E-06	484428.2	3755067.2	535.4	3.49	4.00	3.25 YES
L0006073	0	0.41520E-06	484420.4	3755070.8	535.5	3.49	4.00	3.25 YES
L0006074	0	0.41520E-06	484412.6	3755074.3	535.6	3.49	4.00	3.25 YES
L0006075	0	0.41520E-06	484404.8	3755077.9	535.7	3.49	4.00	3.25 YES
L0006076	0	0.41520E-06	484396.9	3755081.4	535.8	3.49	4.00	3.25 YES
L0006077	0	0.41520E-06	484389.1	3755085.0	535.9	3.49	4.00	3.25 YES
L0006078	0	0.41520E-06	484381.3	3755088.5	536.1	3.49	4.00	3.25 YES
L0006079	0	0.41520E-06	484373.5	3755092.1	536.2	3.49	4.00	3.25 YES
L0006080	0	0.41520E-06	484365.7	3755095.6	536.3	3.49	4.00	3.25 YES
L0006081	0	0.41520E-06	484357.8	3755099.2	536.4	3.49	4.00	3.25 YES
L0006082	0	0.41520E-06	484350.0	3755102.7	536.5	3.49	4.00	3.25 YES
L0006083	0	0.41520E-06	484342.2	3755106.3	536.7	3.49	4.00	3.25 YES
L0006084	0	0.41520E-06	484334.4	3755109.8	536.8	3.49	4.00	3.25 YES
L0006085	0	0.41520E-06	484326.5	3755113.4	536.9	3.49	4.00	3.25 YES
L0006086	0	0.41520E-06	484318.7	3755116.8	537.0	3.49	4.00	3.25 YES
L0006087	0	0.41520E-06	484310.8	3755120.3	537.0	3.49	4.00	3.25 YES
L0006088	0	0.41520E-06	484303.0	3755123.8	537.0	3.49	4.00	3.25 YES
L0006089	0	0.41520E-06	484295.1	3755127.3	537.0	3.49	4.00	3.25 YES
L0006090	0	0.41520E-06	484287.2	3755130.4	537.0	3.49	4.00	3.25 YES
L0006091	0	0.41520E-06	484279.4	3755134.1	537.0	3.49	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006092	0	0.41520E-06	484271.7	3755137.8	537.0	3.49	4.00	3.25	YES	
L0006093	0	0.41520E-06	484263.9	3755141.4	537.0	3.49	4.00	3.25	YES	
L0006094	0	0.41520E-06	484256.1	3755145.1	537.0	3.49	4.00	3.25	YES	
L0006095	0	0.41520E-06	484248.4	3755148.8	537.1	3.49	4.00	3.25	YES	
L0006096	0	0.41520E-06	484240.6	3755152.5	537.2	3.49	4.00	3.25	YES	
L0006097	0	0.41520E-06	484232.8	3755156.1	537.3	3.49	4.00	3.25	YES	
L0006098	0	0.41520E-06	484225.1	3755159.8	537.4	3.49	4.00	3.25	YES	
L0006099	0	0.41520E-06	484217.2	3755163.2	537.6	3.49	4.00	3.25	YES	
L0006100	0	0.41520E-06	484209.2	3755166.4	537.7	3.49	4.00	3.25	YES	
L0006101	0	0.41520E-06	484201.3	3755169.7	537.8	3.49	4.00	3.25	YES	
L0006102	0	0.41520E-06	484193.3	3755172.9	537.9	3.49	4.00	3.25	YES	
L0006103	0	0.41520E-06	484185.4	3755176.2	538.0	3.49	4.00	3.25	YES	
L0006104	0	0.41520E-06	484177.4	3755179.4	538.0	3.49	4.00	3.25	YES	
L0006105	0	0.41520E-06	484169.5	3755182.7	538.0	3.49	4.00	3.25	YES	
L0006106	0	0.41520E-06	484161.5	3755185.9	538.0	3.49	4.00	3.25	YES	

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 L0006107         0   0.41520E-06  484153.6 3755189.2   538.0     3.49     4.00
3.25     YES
 L0006108         0   0.41520E-06  484145.6 3755192.4   538.0     3.49     4.00
3.25     YES
 L0006109         0   0.41520E-06  484137.4 3755194.9   538.0     3.49     4.00
3.25     YES
 L0006110         0   0.41520E-06  484129.1 3755197.2   538.0     3.49     4.00
3.25     YES
 L0006111         0   0.41520E-06  484120.8 3755199.5   538.0     3.49     4.00
3.25     YES
 L0006112         0   0.41520E-06  484112.6 3755201.8   538.0     3.49     4.00
3.25     YES
 L0006113         0   0.41520E-06  484104.3 3755204.0   538.0     3.49     4.00
3.25     YES
 L0006114         0   0.41520E-06  484096.0 3755206.3   538.0     3.49     4.00
3.25     YES
 L0006115         0   0.41520E-06  484087.7 3755208.6   538.1     3.49     4.00
3.25     YES
 L0006116         0   0.41520E-06  484079.4 3755210.9   538.1     3.49     4.00
3.25     YES
 L0006117         0   0.41520E-06  484071.1 3755213.0   538.2     3.49     4.00
3.25     YES
 L0006118         0   0.41520E-06  484062.5 3755213.6   538.2     3.49     4.00
3.25     YES
 L0006119         0   0.41520E-06  484054.0 3755214.2   538.3     3.49     4.00
3.25     YES
 L0006120         0   0.41520E-06  484045.4 3755214.8   538.3     3.49     4.00
3.25     YES
 L0006121         0   0.41520E-06  484036.8 3755215.4   538.3     3.49     4.00
3.25     YES
 L0006122         0   0.41520E-06  484028.3 3755216.0   538.3     3.49     4.00
3.25     YES
 L0006123         0   0.41520E-06  484019.7 3755216.7   538.2     3.49     4.00
3.25     YES
 L0006124         0   0.41520E-06  484011.1 3755217.3   538.1     3.49     4.00
3.25     YES
 L0006125         0   0.41520E-06  484002.6 3755217.9   538.0     3.49     4.00
3.25     YES
 L0006126         0   0.41520E-06  483994.0 3755218.5   537.9     3.49     4.00
3.25     YES
 L0006127         0   0.41520E-06  483985.4 3755219.1   537.7     3.49     4.00
3.25     YES
 L0006128         0   0.41520E-06  483976.9 3755219.7   537.6     3.49     4.00
3.25     YES
 L0006129         0   0.41520E-06  483968.3 3755220.1   537.5     3.49     4.00
3.25     YES
 L0006130         0   0.41520E-06  483959.7 3755220.0   537.5     3.49     4.00
3.25     YES
 L0006131         0   0.41520E-06  483951.1 3755220.0   537.4     3.49     4.00
3.25     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006132	0	0.41520E-06	483942.5	3755219.9	537.4	3.49	4.00	3.25	YES	
L0006133	0	0.41520E-06	483933.9	3755219.9	537.4	3.49	4.00	3.25	YES	
L0006134	0	0.41520E-06	483925.3	3755219.8	537.4	3.49	4.00	3.25	YES	
L0006135	0	0.41520E-06	483916.7	3755219.7	537.4	3.49	4.00	3.25	YES	
L0006136	0	0.41520E-06	483908.2	3755219.7	537.4	3.49	4.00	3.25	YES	
L0006137	0	0.41520E-06	483899.6	3755219.6	537.4	3.49	4.00	3.25	YES	
L0006138	0	0.41520E-06	483891.0	3755219.6	537.4	3.49	4.00	3.25	YES	
L0006139	0	0.41520E-06	483882.4	3755219.5	537.4	3.49	4.00	3.25	YES	
L0006140	0	0.41520E-06	483873.8	3755219.4	537.4	3.49	4.00	3.25	YES	
L0006141	0	0.41520E-06	483865.2	3755219.4	537.4	3.49	4.00	3.25	YES	
L0006142	0	0.41520E-06	483856.6	3755219.3	537.4	3.49	4.00	3.25	YES	
L0006143	0	0.41520E-06	483848.0	3755219.3	537.4	3.49	4.00	3.25	YES	
L0006144	0	0.41520E-06	483839.4	3755219.2	537.3	3.49	4.00	3.25	YES	
L0006145	0	0.41520E-06	483830.8	3755219.1	537.1	3.49	4.00	3.25	YES	
L0006146	0	0.41520E-06	483822.3	3755219.1	537.0	3.49	4.00	3.25	YES	

L0006147	0	0.41520E-06	483813.7	3755219.0	536.9	3.49	4.00	3.25 YES
L0006148	0	0.41520E-06	483805.1	3755219.0	536.7	3.49	4.00	3.25 YES
L0006149	0	0.41520E-06	483796.5	3755218.9	536.5	3.49	4.00	3.25 YES
L0006150	0	0.41520E-06	483787.9	3755218.8	536.5	3.49	4.00	3.25 YES
L0006151	0	0.41520E-06	483779.3	3755218.8	536.6	3.49	4.00	3.25 YES
L0006152	0	0.41520E-06	483770.7	3755218.7	536.8	3.49	4.00	3.25 YES
L0006153	0	0.41520E-06	483762.1	3755218.6	537.0	3.49	4.00	3.25 YES
L0006154	0	0.41520E-06	483753.5	3755218.6	537.0	3.49	4.00	3.25 YES
L0006155	0	0.41520E-06	483745.0	3755218.5	537.0	3.49	4.00	3.25 YES
L0006156	0	0.41520E-06	483736.4	3755218.5	537.0	3.49	4.00	3.25 YES
L0006157	0	0.41520E-06	483727.8	3755218.4	537.0	3.49	4.00	3.25 YES
L0006158	0	0.41520E-06	483719.2	3755218.3	537.0	3.49	4.00	3.25 YES
L0006159	0	0.41520E-06	483710.6	3755218.5	537.0	3.49	4.00	3.25 YES
L0006160	0	0.41520E-06	483702.0	3755218.7	537.0	3.49	4.00	3.25 YES
L0006161	0	0.41520E-06	483693.4	3755218.9	537.0	3.49	4.00	3.25 YES
L0006162	0	0.41520E-06	483684.8	3755219.2	537.0	3.49	4.00	3.25 YES
L0006163	0	0.41520E-06	483676.2	3755219.4	537.0	3.49	4.00	3.25 YES
L0006164	0	0.41520E-06	483667.7	3755219.6	537.1	3.49	4.00	3.25 YES
L0006165	0	0.41520E-06	483659.1	3755219.8	537.4	3.49	4.00	3.25 YES
L0006166	0	0.41520E-06	483650.5	3755220.0	537.6	3.49	4.00	3.25 YES
L0006167	0	0.41520E-06	483641.9	3755220.3	537.9	3.49	4.00	3.25 YES
L0006168	0	0.41520E-06	483633.3	3755220.5	538.1	3.49	4.00	3.25 YES
L0006169	0	0.41520E-06	483624.7	3755220.7	538.3	3.49	4.00	3.25 YES
L0006170	0	0.41520E-06	483616.1	3755220.9	538.4	3.49	4.00	3.25 YES
L0006171	0	0.41520E-06	483607.5	3755221.1	538.6	3.49	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006172	0	0.41520E-06	483599.0	3755221.4	538.9	3.49	4.00	3.25	YES	
L0006173	0	0.41520E-06	483590.4	3755221.6	539.2	3.49	4.00	3.25	YES	
L0006174	0	0.41520E-06	483581.8	3755221.8	539.4	3.49	4.00	3.25	YES	
L0006175	0	0.41520E-06	483573.2	3755222.0	539.4	3.49	4.00	3.25	YES	
L0006176	0	0.41520E-06	483564.6	3755222.2	539.3	3.49	4.00	3.25	YES	
L0006177	0	0.41520E-06	483556.0	3755222.5	539.1	3.49	4.00	3.25	YES	
L0006178	0	0.41520E-06	483547.4	3755222.7	539.0	3.49	4.00	3.25	YES	
L0006179	0	0.41520E-06	483538.9	3755222.9	539.0	3.49	4.00	3.25	YES	
L0006180	0	0.41520E-06	483530.3	3755223.1	539.0	3.49	4.00	3.25	YES	
L0006181	0	0.41520E-06	483521.7	3755223.3	539.0	3.49	4.00	3.25	YES	
L0006182	0	0.41520E-06	483513.1	3755223.6	539.0	3.49	4.00	3.25	YES	
L0006183	0	0.41520E-06	483506.5	3755225.7	539.0	3.49	4.00	3.25	YES	
L0006184	0	0.41520E-06	483506.7	3755234.3	539.0	3.49	4.00	3.25	YES	
L0006185	0	0.41520E-06	483506.9	3755242.9	539.3	3.49	4.00	3.25	YES	
L0006186	0	0.41520E-06	483507.0	3755251.5	539.7	3.49	4.00	3.25	YES	

L0006187	0	0.41520E-06	483507.2	3755260.1	540.1	3.49	4.00	3.25 YES
L0006188	0	0.41520E-06	483507.3	3755268.7	540.5	3.49	4.00	3.25 YES
L0006189	0	0.41520E-06	483507.5	3755277.3	541.0	3.49	4.00	3.25 YES
L0006190	0	0.41520E-06	483507.6	3755285.9	541.4	3.49	4.00	3.25 YES
L0006191	0	0.41520E-06	483507.8	3755294.4	541.9	3.49	4.00	3.25 YES
L0006192	0	0.41520E-06	483508.0	3755303.0	542.3	3.49	4.00	3.25 YES
L0006193	0	0.41520E-06	483508.1	3755311.6	542.7	3.49	4.00	3.25 YES
L0006194	0	0.41520E-06	483508.3	3755320.2	543.1	3.49	4.00	3.25 YES
L0006195	0	0.41520E-06	483508.4	3755328.8	543.7	3.49	4.00	3.25 YES
L0006196	0	0.41520E-06	483508.6	3755337.4	544.8	3.49	4.00	3.25 YES
L0006197	0	0.41520E-06	483508.7	3755346.0	546.0	3.49	4.00	3.25 YES
L0006198	0	0.41520E-06	483508.9	3755354.6	547.1	3.49	4.00	3.25 YES
L0006199	0	0.41520E-06	483509.1	3755363.1	547.6	3.49	4.00	3.25 YES
L0006200	0	0.41520E-06	483509.2	3755371.7	547.9	3.49	4.00	3.25 YES
L0006201	0	0.41520E-06	483509.4	3755380.3	548.1	3.49	4.00	3.25 YES
L0006202	0	0.41520E-06	483509.5	3755388.9	548.3	3.49	4.00	3.25 YES
L0006203	0	0.41520E-06	483509.7	3755397.5	548.2	3.49	4.00	3.25 YES
L0006204	0	0.41520E-06	483509.8	3755406.1	548.1	3.49	4.00	3.25 YES
L0006205	0	0.41520E-06	483510.0	3755414.7	548.0	3.49	4.00	3.25 YES
L0006206	0	0.15600E-06	484782.1	3755018.5	533.7	3.49	4.00	3.25 YES
L0006207	0	0.15600E-06	484790.7	3755018.5	533.7	3.49	4.00	3.25 YES
L0006208	0	0.15600E-06	484799.3	3755018.6	533.7	3.49	4.00	3.25 YES
L0006209	0	0.15600E-06	484807.9	3755018.6	533.7	3.49	4.00	3.25 YES
L0006210	0	0.15600E-06	484816.5	3755018.6	533.7	3.49	4.00	3.25 YES
L0006211	0	0.15600E-06	484825.1	3755018.7	533.7	3.49	4.00	3.25 YES

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 L0006212         0   0.15600E-06  484833.7 3755018.7   533.7     3.49     4.00
3.25     YES
 L0006213         0   0.15600E-06  484842.3 3755018.8   533.8     3.49     4.00
3.25     YES
 L0006214         0   0.15600E-06  484850.8 3755018.8   533.8     3.49     4.00
3.25     YES
 L0006215         0   0.15600E-06  484859.4 3755018.8   533.8     3.49     4.00
3.25     YES
 L0006216         0   0.15600E-06  484868.0 3755018.9   533.8     3.49     4.00
3.25     YES
 L0006217         0   0.15600E-06  484876.6 3755018.9   533.6     3.49     4.00
3.25     YES
 L0006218         0   0.15600E-06  484885.2 3755019.0   533.4     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

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


                                                      *** VOLUME SOURCE DATA ***

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

 L0006219         0   0.15600E-06  484893.8 3755019.0   533.2     3.49     4.00
3.25     YES
 L0006220         0   0.15600E-06  484902.4 3755019.1   533.0     3.49     4.00
3.25     YES
 L0006221         0   0.15600E-06  484911.0 3755019.1   533.0     3.49     4.00
3.25     YES
 L0006222         0   0.15600E-06  484919.6 3755019.1   533.0     3.49     4.00
3.25     YES
 L0006223         0   0.15600E-06  484928.2 3755019.2   533.0     3.49     4.00
3.25     YES
 L0006224         0   0.15600E-06  484936.7 3755019.2   532.9     3.49     4.00
3.25     YES
 L0006225         0   0.15600E-06  484945.3 3755019.3   532.9     3.49     4.00
3.25     YES
 L0006226         0   0.15600E-06  484953.9 3755019.3   532.8     3.49     4.00
3.25     YES
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L0006227	0	0.15600E-06	484962.5	3755019.4	532.8	3.49	4.00	3.25 YES
L0006228	0	0.15600E-06	484971.1	3755019.4	532.8	3.49	4.00	3.25 YES
L0006229	0	0.15600E-06	484979.7	3755019.4	532.8	3.49	4.00	3.25 YES
L0006230	0	0.15600E-06	484988.3	3755019.5	532.8	3.49	4.00	3.25 YES
L0006231	0	0.15600E-06	484996.9	3755019.5	532.8	3.49	4.00	3.25 YES
L0006232	0	0.15600E-06	485005.5	3755019.6	532.8	3.49	4.00	3.25 YES
L0006233	0	0.15600E-06	485014.1	3755019.6	532.8	3.49	4.00	3.25 YES
L0006234	0	0.15600E-06	485022.6	3755019.6	532.7	3.49	4.00	3.25 YES
L0006235	0	0.15600E-06	485031.2	3755019.7	532.4	3.49	4.00	3.25 YES
L0006236	0	0.15600E-06	485039.8	3755019.7	532.1	3.49	4.00	3.25 YES
L0006237	0	0.15600E-06	485048.4	3755019.8	531.8	3.49	4.00	3.25 YES
L0006238	0	0.15600E-06	485057.0	3755019.8	531.8	3.49	4.00	3.25 YES
L0006239	0	0.15600E-06	485065.6	3755019.9	531.8	3.49	4.00	3.25 YES
L0006240	0	0.15600E-06	485074.2	3755019.9	531.8	3.49	4.00	3.25 YES
L0006241	0	0.15600E-06	485082.8	3755019.9	531.8	3.49	4.00	3.25 YES
L0006242	0	0.15600E-06	485091.4	3755020.0	531.8	3.49	4.00	3.25 YES
L0006243	0	0.15600E-06	485100.0	3755020.0	531.8	3.49	4.00	3.25 YES
L0006244	0	0.15600E-06	485108.5	3755020.1	531.8	3.49	4.00	3.25 YES
L0006245	0	0.15600E-06	485117.1	3755020.1	531.6	3.49	4.00	3.25 YES
L0006246	0	0.15600E-06	485125.7	3755020.1	531.4	3.49	4.00	3.25 YES
L0006247	0	0.15600E-06	485134.3	3755020.2	531.1	3.49	4.00	3.25 YES
L0006248	0	0.15600E-06	485142.9	3755020.2	531.0	3.49	4.00	3.25 YES
L0006249	0	0.15600E-06	485151.5	3755020.3	530.9	3.49	4.00	3.25 YES
L0006250	0	0.15600E-06	485160.1	3755020.3	530.9	3.49	4.00	3.25 YES
L0006251	0	0.15600E-06	485168.7	3755020.4	530.8	3.49	4.00	3.25 YES

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 L0006252         0   0.15600E-06  485177.3 3755020.4   530.8     3.49     4.00
3.25     YES
 L0006253         0   0.15600E-06  485185.8 3755020.4   530.8     3.49     4.00
3.25     YES
 L0006254         0   0.15600E-06  485194.4 3755020.5   530.8     3.49     4.00
3.25     YES
 L0006255         0   0.15600E-06  485203.0 3755020.5   530.8     3.49     4.00
3.25     YES
 L0006256         0   0.15600E-06  485211.6 3755020.6   530.8     3.49     4.00
3.25     YES
 L0006257         0   0.15600E-06  485220.2 3755020.6   530.8     3.49     4.00
3.25     YES
 L0006258         0   0.15600E-06  485228.8 3755020.7   530.8     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  12
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0006259         0   0.15600E-06  485237.4 3755020.7   530.6     3.49     4.00
3.25     YES
 L0006260         0   0.15600E-06  485246.0 3755020.7   530.4     3.49     4.00
3.25     YES
 L0006261         0   0.15600E-06  485254.6 3755020.8   530.1     3.49     4.00
3.25     YES
 L0006262         0   0.15600E-06  485263.2 3755020.8   530.0     3.49     4.00
3.25     YES
 L0006263         0   0.15600E-06  485271.7 3755020.9   529.9     3.49     4.00
3.25     YES
 L0006264         0   0.15600E-06  485280.3 3755020.9   529.9     3.49     4.00
3.25     YES
 L0006265         0   0.15600E-06  485288.9 3755020.9   529.8     3.49     4.00
3.25     YES
 L0006266         0   0.15600E-06  485297.5 3755021.0   529.8     3.49     4.00
3.25     YES
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L0006267	0	0.15600E-06	485306.1	3755021.0	529.8	3.49	4.00	3.25 YES
L0006268	0	0.15600E-06	485314.7	3755021.1	529.8	3.49	4.00	3.25 YES
L0006269	0	0.15600E-06	485323.3	3755021.1	529.8	3.49	4.00	3.25 YES
L0006270	0	0.15600E-06	485331.9	3755021.2	529.8	3.49	4.00	3.25 YES
L0006271	0	0.15600E-06	485340.5	3755021.2	529.8	3.49	4.00	3.25 YES
L0006272	0	0.15600E-06	485349.1	3755021.2	529.8	3.49	4.00	3.25 YES
L0006273	0	0.15600E-06	485357.6	3755021.3	529.6	3.49	4.00	3.25 YES
L0006274	0	0.15600E-06	485366.2	3755021.3	529.4	3.49	4.00	3.25 YES
L0006275	0	0.15600E-06	485374.8	3755021.4	529.1	3.49	4.00	3.25 YES
L0006276	0	0.15600E-06	485383.4	3755021.4	529.0	3.49	4.00	3.25 YES
L0006277	0	0.15600E-06	485392.0	3755021.5	528.9	3.49	4.00	3.25 YES
L0006278	0	0.15600E-06	485400.6	3755021.5	528.9	3.49	4.00	3.25 YES
L0006279	0	0.15600E-06	485409.2	3755021.5	528.8	3.49	4.00	3.25 YES
L0006280	0	0.15600E-06	485417.8	3755021.6	528.8	3.49	4.00	3.25 YES
L0006281	0	0.15600E-06	485426.4	3755021.6	528.8	3.49	4.00	3.25 YES
L0006282	0	0.15600E-06	485435.0	3755021.7	528.8	3.49	4.00	3.25 YES
L0006283	0	0.15600E-06	485443.5	3755021.7	528.8	3.49	4.00	3.25 YES
L0006284	0	0.15600E-06	485452.1	3755021.7	528.8	3.49	4.00	3.25 YES
L0006285	0	0.15600E-06	485460.7	3755021.8	528.8	3.49	4.00	3.25 YES
L0006286	0	0.15600E-06	485469.3	3755021.8	528.8	3.49	4.00	3.25 YES
L0006287	0	0.15600E-06	485477.9	3755021.9	528.8	3.49	4.00	3.25 YES
L0006288	0	0.15600E-06	485486.5	3755021.9	528.8	3.49	4.00	3.25 YES
L0006289	0	0.15600E-06	485495.1	3755022.0	528.8	3.49	4.00	3.25 YES
L0006290	0	0.15600E-06	485503.7	3755022.0	528.8	3.49	4.00	3.25 YES
L0006291	0	0.15600E-06	485512.3	3755022.0	528.9	3.49	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006292	0	0.15600E-06	485514.2	3755028.6	529.0	3.49	4.00	3.25	YES	
L0006293	0	0.15600E-06	485514.0	3755037.2	529.0	3.49	4.00	3.25	YES	
L0006294	0	0.15600E-06	485513.9	3755045.7	529.0	3.49	4.00	3.25	YES	
L0006295	0	0.15600E-06	485513.7	3755054.3	529.0	3.49	4.00	3.25	YES	
L0006296	0	0.15600E-06	485513.5	3755062.9	529.2	3.49	4.00	3.25	YES	
L0006297	0	0.15600E-06	485513.3	3755071.5	529.5	3.49	4.00	3.25	YES	
L0006298	0	0.15600E-06	485513.1	3755080.1	529.8	3.49	4.00	3.25	YES	
L0006299	0	0.15600E-06	485513.0	3755088.7	530.1	3.49	4.00	3.25	YES	
L0006300	0	0.15600E-06	485512.8	3755097.3	530.4	3.49	4.00	3.25	YES	
L0006301	0	0.15600E-06	485512.6	3755105.9	530.6	3.49	4.00	3.25	YES	
L0006302	0	0.15600E-06	485512.4	3755114.5	530.9	3.49	4.00	3.25	YES	
L0006303	0	0.15600E-06	485512.3	3755123.0	531.1	3.49	4.00	3.25	YES	
L0006304	0	0.15600E-06	485512.1	3755131.6	531.2	3.49	4.00	3.25	YES	
L0006305	0	0.15600E-06	485511.9	3755140.2	531.3	3.49	4.00	3.25	YES	
L0006306	0	0.15600E-06	485511.7	3755148.8	531.4	3.49	4.00	3.25	YES	

L0006307	0	0.15600E-06	485511.6	3755157.4	531.6	3.49	4.00	3.25 YES
L0006308	0	0.15600E-06	485511.4	3755166.0	531.8	3.49	4.00	3.25 YES
L0006309	0	0.15600E-06	485511.2	3755174.6	532.0	3.49	4.00	3.25 YES
L0006310	0	0.15600E-06	485511.0	3755183.2	532.2	3.49	4.00	3.25 YES
L0006311	0	0.15600E-06	485510.9	3755191.7	532.5	3.49	4.00	3.25 YES
L0006312	0	0.26000E-06	484782.1	3755018.5	533.7	3.49	4.00	3.25 YES
L0006313	0	0.26000E-06	484790.7	3755018.5	533.7	3.49	4.00	3.25 YES
L0006314	0	0.26000E-06	484799.3	3755018.6	533.7	3.49	4.00	3.25 YES
L0006315	0	0.26000E-06	484807.9	3755018.6	533.7	3.49	4.00	3.25 YES
L0006316	0	0.26000E-06	484816.5	3755018.6	533.7	3.49	4.00	3.25 YES
L0006317	0	0.26000E-06	484825.1	3755018.7	533.7	3.49	4.00	3.25 YES
L0006318	0	0.26000E-06	484833.7	3755018.7	533.7	3.49	4.00	3.25 YES
L0006319	0	0.26000E-06	484842.3	3755018.8	533.8	3.49	4.00	3.25 YES
L0006320	0	0.26000E-06	484850.8	3755018.8	533.8	3.49	4.00	3.25 YES
L0006321	0	0.26000E-06	484859.4	3755018.8	533.8	3.49	4.00	3.25 YES
L0006322	0	0.26000E-06	484868.0	3755018.9	533.8	3.49	4.00	3.25 YES
L0006323	0	0.26000E-06	484876.6	3755018.9	533.6	3.49	4.00	3.25 YES
L0006324	0	0.26000E-06	484885.2	3755019.0	533.4	3.49	4.00	3.25 YES
L0006325	0	0.26000E-06	484893.8	3755019.0	533.2	3.49	4.00	3.25 YES
L0006326	0	0.26000E-06	484902.4	3755019.1	533.0	3.49	4.00	3.25 YES
L0006327	0	0.26000E-06	484911.0	3755019.1	533.0	3.49	4.00	3.25 YES
L0006328	0	0.26000E-06	484919.6	3755019.1	533.0	3.49	4.00	3.25 YES
L0006329	0	0.26000E-06	484928.2	3755019.2	533.0	3.49	4.00	3.25 YES
L0006330	0	0.26000E-06	484936.7	3755019.2	532.9	3.49	4.00	3.25 YES
L0006331	0	0.26000E-06	484945.3	3755019.3	532.9	3.49	4.00	3.25 YES

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 L0006332         0   0.26000E-06  484953.9 3755019.3   532.8     3.49     4.00
3.25     YES
 L0006333         0   0.26000E-06  484962.5 3755019.4   532.8     3.49     4.00
3.25     YES
 L0006334         0   0.26000E-06  484971.1 3755019.4   532.8     3.49     4.00
3.25     YES
 L0006335         0   0.26000E-06  484979.7 3755019.4   532.8     3.49     4.00
3.25     YES
 L0006336         0   0.26000E-06  484988.3 3755019.5   532.8     3.49     4.00
3.25     YES
 L0006337         0   0.26000E-06  484996.9 3755019.5   532.8     3.49     4.00
3.25     YES
 L0006338         0   0.26000E-06  485005.5 3755019.6   532.8     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  14
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0006339         0   0.26000E-06  485014.1 3755019.6   532.8     3.49     4.00
3.25     YES
 L0006340         0   0.26000E-06  485022.6 3755019.6   532.7     3.49     4.00
3.25     YES
 L0006341         0   0.26000E-06  485031.2 3755019.7   532.4     3.49     4.00
3.25     YES
 L0006342         0   0.26000E-06  485039.8 3755019.7   532.1     3.49     4.00
3.25     YES
 L0006343         0   0.26000E-06  485048.4 3755019.8   531.8     3.49     4.00
3.25     YES
 L0006344         0   0.26000E-06  485057.0 3755019.8   531.8     3.49     4.00
3.25     YES
 L0006345         0   0.26000E-06  485065.6 3755019.9   531.8     3.49     4.00
3.25     YES
 L0006346         0   0.26000E-06  485074.2 3755019.9   531.8     3.49     4.00
3.25     YES
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 L0006347         0   0.26000E-06  485082.8 3755019.9   531.8     3.49     4.00
3.25     YES
 L0006348         0   0.26000E-06  485091.4 3755020.0   531.8     3.49     4.00
3.25     YES
 L0006349         0   0.26000E-06  485100.0 3755020.0   531.8     3.49     4.00
3.25     YES
 L0006350         0   0.26000E-06  485108.5 3755020.1   531.8     3.49     4.00
3.25     YES
 L0006351         0   0.26000E-06  485117.1 3755020.1   531.6     3.49     4.00
3.25     YES
 L0006352         0   0.26000E-06  485125.7 3755020.1   531.4     3.49     4.00
3.25     YES
 L0006353         0   0.26000E-06  485134.3 3755020.2   531.1     3.49     4.00
3.25     YES
 L0006354         0   0.26000E-06  485142.9 3755020.2   531.0     3.49     4.00
3.25     YES
 L0006355         0   0.26000E-06  485151.5 3755020.3   530.9     3.49     4.00
3.25     YES
 L0006356         0   0.26000E-06  485160.1 3755020.3   530.9     3.49     4.00
3.25     YES
 L0006357         0   0.26000E-06  485168.7 3755020.4   530.8     3.49     4.00
3.25     YES
 L0006358         0   0.26000E-06  485177.3 3755020.4   530.8     3.49     4.00
3.25     YES
 L0006359         0   0.26000E-06  485185.8 3755020.4   530.8     3.49     4.00
3.25     YES
 L0006360         0   0.26000E-06  485194.4 3755020.5   530.8     3.49     4.00
3.25     YES
 L0006361         0   0.26000E-06  485203.0 3755020.5   530.8     3.49     4.00
3.25     YES
 L0006362         0   0.26000E-06  485211.6 3755020.6   530.8     3.49     4.00
3.25     YES
 L0006363         0   0.26000E-06  485220.2 3755020.6   530.8     3.49     4.00
3.25     YES
 L0006364         0   0.26000E-06  485228.8 3755020.7   530.8     3.49     4.00
3.25     YES
 L0006365         0   0.26000E-06  485237.4 3755020.7   530.6     3.49     4.00
3.25     YES
 L0006366         0   0.26000E-06  485246.0 3755020.7   530.4     3.49     4.00
3.25     YES
 L0006367         0   0.26000E-06  485254.6 3755020.8   530.1     3.49     4.00
3.25     YES
 L0006368         0   0.26000E-06  485263.2 3755020.8   530.0     3.49     4.00
3.25     YES
 L0006369         0   0.26000E-06  485271.7 3755020.9   529.9     3.49     4.00
3.25     YES
 L0006370         0   0.26000E-06  485280.3 3755020.9   529.9     3.49     4.00
3.25     YES
 L0006371         0   0.26000E-06  485288.9 3755020.9   529.8     3.49     4.00
3.25     YES
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 L0006372   0   0.26000E-06 485297.5 3755021.0   529.8   3.49   4.00
3.25   YES
 L0006373   0   0.26000E-06 485306.1 3755021.0   529.8   3.49   4.00
3.25   YES
 L0006374   0   0.26000E-06 485314.7 3755021.1   529.8   3.49   4.00
3.25   YES
 L0006375   0   0.26000E-06 485323.3 3755021.1   529.8   3.49   4.00
3.25   YES
 L0006376   0   0.26000E-06 485331.9 3755021.2   529.8   3.49   4.00
3.25   YES
 L0006377   0   0.26000E-06 485340.5 3755021.2   529.8   3.49   4.00
3.25   YES
 L0006378   0   0.26000E-06 485349.1 3755021.2   529.8   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   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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- -

 L0006379   0   0.26000E-06 485357.6 3755021.3   529.6   3.49   4.00
3.25   YES
 L0006380   0   0.26000E-06 485366.2 3755021.3   529.4   3.49   4.00
3.25   YES
 L0006381   0   0.26000E-06 485374.8 3755021.4   529.1   3.49   4.00
3.25   YES
 L0006382   0   0.26000E-06 485383.4 3755021.4   529.0   3.49   4.00
3.25   YES
 L0006383   0   0.26000E-06 485392.0 3755021.5   528.9   3.49   4.00
3.25   YES
 L0006384   0   0.26000E-06 485400.6 3755021.5   528.9   3.49   4.00
3.25   YES
 L0006385   0   0.26000E-06 485409.2 3755021.5   528.8   3.49   4.00
3.25   YES
 L0006386   0   0.26000E-06 485417.8 3755021.6   528.8   3.49   4.00
3.25   YES

L0006387	0	0.26000E-06	485426.4	3755021.6	528.8	3.49	4.00	3.25 YES
L0006388	0	0.26000E-06	485435.0	3755021.7	528.8	3.49	4.00	3.25 YES
L0006389	0	0.26000E-06	485443.5	3755021.7	528.8	3.49	4.00	3.25 YES
L0006390	0	0.26000E-06	485452.1	3755021.7	528.8	3.49	4.00	3.25 YES
L0006391	0	0.26000E-06	485460.7	3755021.8	528.8	3.49	4.00	3.25 YES
L0006392	0	0.26000E-06	485469.3	3755021.8	528.8	3.49	4.00	3.25 YES
L0006393	0	0.26000E-06	485477.9	3755021.9	528.8	3.49	4.00	3.25 YES
L0006394	0	0.26000E-06	485486.5	3755021.9	528.8	3.49	4.00	3.25 YES
L0006395	0	0.26000E-06	485495.1	3755022.0	528.8	3.49	4.00	3.25 YES
L0006396	0	0.26000E-06	485503.7	3755022.0	528.8	3.49	4.00	3.25 YES
L0006397	0	0.26000E-06	485512.3	3755022.0	528.9	3.49	4.00	3.25 YES
L0006398	0	0.26000E-06	485514.2	3755028.6	529.0	3.49	4.00	3.25 YES
L0006399	0	0.26000E-06	485514.0	3755037.2	529.0	3.49	4.00	3.25 YES
L0006400	0	0.26000E-06	485513.9	3755045.7	529.0	3.49	4.00	3.25 YES
L0006401	0	0.26000E-06	485513.7	3755054.3	529.0	3.49	4.00	3.25 YES
L0006402	0	0.26000E-06	485513.5	3755062.9	529.2	3.49	4.00	3.25 YES
L0006403	0	0.26000E-06	485513.3	3755071.5	529.5	3.49	4.00	3.25 YES
L0006404	0	0.26000E-06	485513.1	3755080.1	529.8	3.49	4.00	3.25 YES
L0006405	0	0.26000E-06	485513.0	3755088.7	530.1	3.49	4.00	3.25 YES
L0006406	0	0.26000E-06	485512.8	3755097.3	530.4	3.49	4.00	3.25 YES
L0006407	0	0.26000E-06	485512.6	3755105.9	530.6	3.49	4.00	3.25 YES
L0006408	0	0.26000E-06	485512.4	3755114.5	530.9	3.49	4.00	3.25 YES
L0006409	0	0.26000E-06	485512.3	3755123.0	531.1	3.49	4.00	3.25 YES
L0006410	0	0.26000E-06	485512.1	3755131.6	531.2	3.49	4.00	3.25 YES
L0006411	0	0.26000E-06	485511.9	3755140.2	531.3	3.49	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006412	0	0.26000E-06	485511.7	3755148.8	531.4	3.49	4.00	3.25	YES	
L0006413	0	0.26000E-06	485511.6	3755157.4	531.6	3.49	4.00	3.25	YES	
L0006414	0	0.26000E-06	485511.4	3755166.0	531.8	3.49	4.00	3.25	YES	
L0006415	0	0.26000E-06	485511.2	3755174.6	532.0	3.49	4.00	3.25	YES	
L0006416	0	0.26000E-06	485511.0	3755183.2	532.2	3.49	4.00	3.25	YES	
L0006417	0	0.26000E-06	485510.9	3755191.7	532.5	3.49	4.00	3.25	YES	
L0006418	0	0.51920E-07	485406.6	3755019.8	528.8	0.00	4.00	3.25	YES	
L0006419	0	0.51920E-07	485415.2	3755020.0	528.8	0.00	4.00	3.25	YES	
L0006420	0	0.51920E-07	485423.8	3755020.2	528.8	0.00	4.00	3.25	YES	
L0006421	0	0.51920E-07	485432.4	3755020.4	528.8	0.00	4.00	3.25	YES	
L0006422	0	0.51920E-07	485441.0	3755020.5	528.8	0.00	4.00	3.25	YES	
L0006423	0	0.51920E-07	485449.6	3755020.7	528.8	0.00	4.00	3.25	YES	
L0006424	0	0.51920E-07	485458.1	3755020.9	528.8	0.00	4.00	3.25	YES	
L0006425	0	0.51920E-07	485466.7	3755021.1	528.8	0.00	4.00	3.25	YES	
L0006426	0	0.51920E-07	485475.3	3755021.2	528.8	0.00	4.00	3.25	YES	

L0006427	0	0.51920E-07	485483.9	3755021.4	528.8	0.00	4.00	3.25 YES
L0006428	0	0.51920E-07	485492.5	3755021.6	528.8	0.00	4.00	3.25 YES
L0006429	0	0.51920E-07	485501.1	3755021.8	528.8	0.00	4.00	3.25 YES
L0006430	0	0.51920E-07	485509.7	3755022.0	528.8	0.00	4.00	3.25 YES
L0006431	0	0.51920E-07	485514.3	3755026.0	529.0	0.00	4.00	3.25 YES
L0006432	0	0.51920E-07	485514.3	3755034.6	529.0	0.00	4.00	3.25 YES
L0006433	0	0.51920E-07	485514.2	3755043.2	529.0	0.00	4.00	3.25 YES
L0006434	0	0.51920E-07	485514.2	3755051.7	529.0	0.00	4.00	3.25 YES
L0006435	0	0.51920E-07	485514.1	3755060.3	529.1	0.00	4.00	3.25 YES
L0006436	0	0.51920E-07	485514.1	3755068.9	529.4	0.00	4.00	3.25 YES
L0006437	0	0.51920E-07	485514.0	3755077.5	529.7	0.00	4.00	3.25 YES
L0006438	0	0.51920E-07	485514.0	3755086.1	530.0	0.00	4.00	3.25 YES
L0006439	0	0.51920E-07	485514.0	3755094.7	530.3	0.00	4.00	3.25 YES
L0006440	0	0.51920E-07	485513.9	3755103.3	530.6	0.00	4.00	3.25 YES
L0006441	0	0.51920E-07	485513.9	3755111.9	530.8	0.00	4.00	3.25 YES
L0006442	0	0.51920E-07	485513.8	3755120.5	531.1	0.00	4.00	3.25 YES
L0006443	0	0.51920E-07	485513.8	3755129.1	531.2	0.00	4.00	3.25 YES
L0006444	0	0.51920E-07	485513.7	3755137.6	531.3	0.00	4.00	3.25 YES
L0006445	0	0.51920E-07	485513.7	3755146.2	531.4	0.00	4.00	3.25 YES
L0006446	0	0.51920E-07	485513.6	3755154.8	531.6	0.00	4.00	3.25 YES
L0006447	0	0.51920E-07	485513.6	3755163.4	531.8	0.00	4.00	3.25 YES
L0006448	0	0.51920E-07	485513.6	3755172.0	531.9	0.00	4.00	3.25 YES
L0006449	0	0.51920E-07	485513.5	3755180.6	532.1	0.00	4.00	3.25 YES
L0006450	0	0.51920E-07	485513.5	3755189.2	532.4	0.00	4.00	3.25 YES
L0006451	0	0.51920E-07	485513.4	3755197.8	532.7	0.00	4.00	3.25 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006452	0	0.51920E-07	485513.4	3755206.4	533.0	0.00	4.00	3.25	YES	
L0006453	0	0.51920E-07	485513.3	3755215.0	533.6	0.00	4.00	3.25	YES	
L0006454	0	0.51920E-07	485513.3	3755223.5	534.1	0.00	4.00	3.25	YES	
L0006455	0	0.51920E-07	485513.3	3755232.1	534.7	0.00	4.00	3.25	YES	
L0006456	0	0.51920E-07	485513.2	3755240.7	535.1	0.00	4.00	3.25	YES	
L0006457	0	0.51920E-07	485513.2	3755249.3	535.4	0.00	4.00	3.25	YES	
L0006458	0	0.51920E-07	485513.1	3755257.9	535.7	0.00	4.00	3.25	YES	
L0006459	0	0.51920E-07	485513.1	3755266.5	536.0	0.00	4.00	3.25	YES	
L0006460	0	0.51920E-07	485513.0	3755275.1	536.0	0.00	4.00	3.25	YES	
L0006461	0	0.51920E-07	485513.0	3755283.7	536.0	0.00	4.00	3.25	YES	
L0006462	0	0.51920E-07	485512.9	3755292.3	536.0	0.00	4.00	3.25	YES	
L0006463	0	0.51920E-07	485513.0	3755300.9	536.0	0.00	4.00	3.25	YES	
L0006464	0	0.51920E-07	485513.1	3755309.4	536.0	0.00	4.00	3.25	YES	
L0006465	0	0.51920E-07	485513.2	3755318.0	536.0	0.00	4.00	3.25	YES	
L0006466	0	0.51920E-07	485513.3	3755326.6	536.0	0.00	4.00	3.25	YES	

L0006467	0	0.51920E-07	485513.4	3755335.2	536.1	0.00	4.00	3.25 YES
L0006468	0	0.51920E-07	485513.5	3755343.8	536.3	0.00	4.00	3.25 YES
L0006469	0	0.51920E-07	485513.6	3755352.4	536.4	0.00	4.00	3.25 YES
L0006470	0	0.51920E-07	485513.7	3755361.0	536.5	0.00	4.00	3.25 YES
L0006471	0	0.51920E-07	485513.8	3755369.6	536.7	0.00	4.00	3.25 YES
L0006472	0	0.51920E-07	485513.9	3755378.2	536.8	0.00	4.00	3.25 YES
L0006473	0	0.51920E-07	485514.0	3755386.7	537.0	0.00	4.00	3.25 YES
L0006474	0	0.51920E-07	485514.1	3755395.3	537.3	0.00	4.00	3.25 YES
L0006475	0	0.51920E-07	485514.2	3755403.9	537.6	0.00	4.00	3.25 YES
L0006476	0	0.51920E-07	485514.3	3755412.5	537.9	0.00	4.00	3.25 YES
L0006477	0	0.51920E-07	485514.4	3755421.1	538.1	0.00	4.00	3.25 YES
L0006478	0	0.51920E-07	485514.5	3755429.7	538.2	0.00	4.00	3.25 YES
L0006479	0	0.51920E-07	485514.6	3755438.3	538.4	0.00	4.00	3.25 YES
L0006480	0	0.51920E-07	485514.7	3755446.9	538.5	0.00	4.00	3.25 YES
L0006481	0	0.51920E-07	485514.8	3755455.5	538.7	0.00	4.00	3.25 YES
L0006482	0	0.51920E-07	485514.9	3755464.1	538.8	0.00	4.00	3.25 YES
L0006483	0	0.51920E-07	485515.0	3755472.6	538.9	0.00	4.00	3.25 YES
L0006484	0	0.51920E-07	485515.1	3755481.2	539.2	0.00	4.00	3.25 YES
L0006485	0	0.51920E-07	485515.2	3755489.8	539.4	0.00	4.00	3.25 YES
L0006486	0	0.51920E-07	485515.3	3755498.4	539.7	0.00	4.00	3.25 YES
L0006487	0	0.51920E-07	485515.3	3755507.0	540.0	0.00	4.00	3.25 YES
L0006488	0	0.51920E-07	485515.4	3755515.6	540.3	0.00	4.00	3.25 YES
L0006489	0	0.51920E-07	485515.5	3755524.2	540.6	0.00	4.00	3.25 YES
L0006490	0	0.51920E-07	485515.6	3755532.8	540.9	0.00	4.00	3.25 YES
L0006491	0	0.51920E-07	485515.7	3755541.4	541.0	0.00	4.00	3.25 YES

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 L0006492         0   0.51920E-07  485515.8 3755549.9   541.0     0.00     4.00
3.25     YES
 L0006493         0   0.51920E-07  485515.9 3755558.5   541.0     0.00     4.00
3.25     YES
 L0006494         0   0.51920E-07  485516.0 3755567.1   541.0     0.00     4.00
3.25     YES
 L0006495         0   0.51920E-07  485516.1 3755575.7   541.3     0.00     4.00
3.25     YES
 L0006496         0   0.51920E-07  485516.2 3755584.3   541.6     0.00     4.00
3.25     YES
 L0006497         0   0.51920E-07  485516.3 3755592.9   541.9     0.00     4.00
3.25     YES
 L0006498         0   0.51920E-07  485516.4 3755601.5   542.2     0.00     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  18
 *** 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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 L0006499         0   0.51920E-07  485516.5 3755610.1   542.5     0.00     4.00
3.25     YES
 L0006500         0   0.51920E-07  485516.6 3755618.7   542.7     0.00     4.00
3.25     YES
 L0006501         0   0.51920E-07  485516.7 3755627.3   543.0     0.00     4.00
3.25     YES
 L0006502         0   0.51920E-07  485516.8 3755635.8   543.3     0.00     4.00
3.25     YES
 L0006503         0   0.51920E-07  485516.9 3755644.4   543.6     0.00     4.00
3.25     YES
 L0006504         0   0.51920E-07  485517.0 3755653.0   543.9     0.00     4.00
3.25     YES
 L0006505         0   0.51920E-07  485517.1 3755661.6   544.0     0.00     4.00
3.25     YES
 L0006506         0   0.51920E-07  485517.2 3755670.2   544.0     0.00     4.00
3.25     YES
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L0006507	0	0.15450E-06	485512.5	3754719.0	521.8	3.49	4.00	3.25 YES
L0006508	0	0.15450E-06	485512.5	3754727.6	522.0	3.49	4.00	3.25 YES
L0006509	0	0.15450E-06	485512.5	3754736.2	522.2	3.49	4.00	3.25 YES
L0006510	0	0.15450E-06	485512.5	3754744.8	522.4	3.49	4.00	3.25 YES
L0006511	0	0.15450E-06	485512.5	3754753.4	522.5	3.49	4.00	3.25 YES
L0006512	0	0.15450E-06	485512.5	3754761.9	522.7	3.49	4.00	3.25 YES
L0006513	0	0.15450E-06	485512.5	3754770.5	522.8	3.49	4.00	3.25 YES
L0006514	0	0.15450E-06	485512.5	3754779.1	522.9	3.49	4.00	3.25 YES
L0006515	0	0.15450E-06	485512.5	3754787.7	523.0	3.49	4.00	3.25 YES
L0006516	0	0.15450E-06	485512.5	3754796.3	523.3	3.49	4.00	3.25 YES
L0006517	0	0.15450E-06	485512.5	3754804.9	523.6	3.49	4.00	3.25 YES
L0006518	0	0.15450E-06	485512.5	3754813.5	523.9	3.49	4.00	3.25 YES
L0006519	0	0.15450E-06	485512.5	3754822.1	524.2	3.49	4.00	3.25 YES
L0006520	0	0.15450E-06	485512.5	3754830.7	524.5	3.49	4.00	3.25 YES
L0006521	0	0.15450E-06	485512.5	3754839.3	524.8	3.49	4.00	3.25 YES
L0006522	0	0.15450E-06	485512.5	3754847.8	525.0	3.49	4.00	3.25 YES
L0006523	0	0.15450E-06	485512.5	3754856.4	525.0	3.49	4.00	3.25 YES
L0006524	0	0.15450E-06	485512.5	3754865.0	525.0	3.49	4.00	3.25 YES
L0006525	0	0.15450E-06	485512.5	3754873.6	525.0	3.49	4.00	3.25 YES
L0006526	0	0.15450E-06	485512.5	3754882.2	525.2	3.49	4.00	3.25 YES
L0006527	0	0.15450E-06	485512.5	3754890.8	525.5	3.49	4.00	3.25 YES
L0006528	0	0.15450E-06	485512.5	3754899.4	525.8	3.49	4.00	3.25 YES
L0006529	0	0.15450E-06	485512.5	3754908.0	526.0	3.49	4.00	3.25 YES
L0006530	0	0.15450E-06	485512.5	3754916.6	526.3	3.49	4.00	3.25 YES
L0006531	0	0.15450E-06	485512.5	3754925.2	526.6	3.49	4.00	3.25 YES

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 L0006532         0   0.15450E-06  485512.5 3754933.7   526.9     3.49     4.00
3.25     YES
 L0006533         0   0.15450E-06  485512.5 3754942.3   527.0     3.49     4.00
3.25     YES
 L0006534         0   0.15450E-06  485512.5 3754950.9   527.0     3.49     4.00
3.25     YES
 L0006535         0   0.15450E-06  485512.5 3754959.5   527.0     3.49     4.00
3.25     YES
 L0006536         0   0.15450E-06  485512.5 3754968.1   527.1     3.49     4.00
3.25     YES
 L0006537         0   0.15450E-06  485512.5 3754976.7   527.3     3.49     4.00
3.25     YES
 L0006538         0   0.15450E-06  485512.5 3754985.3   527.6     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0006539         0   0.15450E-06  485512.5 3754993.9   527.9     3.49     4.00
3.25     YES
 L0006540         0   0.15450E-06  485512.5 3755002.5   528.2     3.49     4.00
3.25     YES
 L0006541         0   0.15450E-06  485512.5 3755011.1   528.5     3.49     4.00
3.25     YES
 L0006542         0   0.15450E-06  485512.5 3755019.6   528.8     3.49     4.00
3.25     YES
 L0006543         0   0.15450E-06  485512.5 3755028.2   529.0     3.49     4.00
3.25     YES
 L0006544         0   0.15450E-06  485512.5 3755036.8   529.0     3.49     4.00
3.25     YES
 L0006545         0   0.15450E-06  485512.5 3755045.4   529.0     3.49     4.00
3.25     YES
 L0006546         0   0.15450E-06  485512.5 3755054.0   529.0     3.49     4.00
3.25     YES
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 L0006547         0   0.15450E-06  485512.5 3755062.6   529.2     3.49     4.00
3.25     YES
 L0006548         0   0.15450E-06  485512.5 3755071.2   529.5     3.49     4.00
3.25     YES
 L0006549         0   0.15450E-06  485512.5 3755079.8   529.8     3.49     4.00
3.25     YES
 L0006550         0   0.15450E-06  485512.5 3755088.4   530.1     3.49     4.00
3.25     YES
 L0006551         0   0.15450E-06  485512.5 3755097.0   530.3     3.49     4.00
3.25     YES
 L0006552         0   0.15450E-06  485512.5 3755105.5   530.6     3.49     4.00
3.25     YES
 L0006553         0   0.15450E-06  485512.5 3755114.1   530.9     3.49     4.00
3.25     YES
 L0006554         0   0.15450E-06  485512.5 3755122.7   531.1     3.49     4.00
3.25     YES
 L0006555         0   0.15450E-06  485512.5 3755131.3   531.2     3.49     4.00
3.25     YES
 L0006556         0   0.15450E-06  485512.5 3755139.9   531.3     3.49     4.00
3.25     YES
 L0006557         0   0.15450E-06  485512.5 3755148.5   531.4     3.49     4.00
3.25     YES
 L0006558         0   0.15450E-06  485512.5 3755157.1   531.6     3.49     4.00
3.25     YES
 L0006559         0   0.15450E-06  485512.5 3755165.7   531.8     3.49     4.00
3.25     YES
 L0006560         0   0.15450E-06  485512.5 3755174.3   532.0     3.49     4.00
3.25     YES
 L0006561         0   0.15450E-06  485512.5 3755182.9   532.2     3.49     4.00
3.25     YES
 L0006562         0   0.15450E-06  485512.5 3755191.4   532.5     3.49     4.00
3.25     YES
 L0006563         0   0.51580E-07  485510.9 3755208.0   533.1     3.49     4.00
3.25     YES
 L0006564         0   0.51580E-07  485511.0 3755216.6   533.7     3.49     4.00
3.25     YES
 L0006565         0   0.51580E-07  485511.1 3755225.2   534.2     3.49     4.00
3.25     YES
 L0006566         0   0.51580E-07  485511.2 3755233.8   534.8     3.49     4.00
3.25     YES
 L0006567         0   0.51580E-07  485511.3 3755242.4   535.2     3.49     4.00
3.25     YES
 L0006568         0   0.51580E-07  485511.4 3755250.9   535.5     3.49     4.00
3.25     YES
 L0006569         0   0.51580E-07  485511.5 3755259.5   535.8     3.49     4.00
3.25     YES
 L0006570         0   0.51580E-07  485511.6 3755268.1   536.0     3.49     4.00
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 L0006571         0   0.51580E-07  485511.7 3755276.7   536.0     3.49     4.00
3.25     YES
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 L0006573         0   0.51580E-07  485511.9 3755293.9   536.0     3.49     4.00
3.25     YES
 L0006574         0   0.51580E-07  485512.0 3755302.5   536.0     3.49     4.00
3.25     YES
 L0006575         0   0.51580E-07  485512.1 3755311.1   536.0     3.49     4.00
3.25     YES
 L0006576         0   0.51580E-07  485512.2 3755319.7   536.0     3.49     4.00
3.25     YES
 L0006577         0   0.51580E-07  485512.3 3755328.2   536.0     3.49     4.00
3.25     YES
 L0006578         0   0.51580E-07  485512.4 3755336.8   536.1     3.49     4.00
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 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  20
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0006579         0   0.51580E-07  485512.5 3755345.4   536.3     3.49     4.00
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 L0006581         0   0.51580E-07  485512.7 3755362.6   536.5     3.49     4.00
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 L0006582         0   0.51580E-07  485512.8 3755371.2   536.7     3.49     4.00
3.25     YES
 L0006583         0   0.51580E-07  485512.9 3755379.8   536.9     3.49     4.00
3.25     YES
 L0006584         0   0.51580E-07  485513.1 3755388.4   537.1     3.49     4.00
3.25     YES
 L0006585         0   0.51580E-07  485513.2 3755397.0   537.3     3.49     4.00
3.25     YES
 L0006586         0   0.51580E-07  485513.3 3755405.6   537.6     3.49     4.00
3.25     YES
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L0006593	0	0.51580E-07	485514.0	3755465.7	538.8	3.49	4.00	3.25 YES
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L0006596	0	0.51580E-07	485514.3	3755491.4	539.5	3.49	4.00	3.25 YES
L0006597	0	0.51580E-07	485514.4	3755500.0	539.8	3.49	4.00	3.25 YES
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L0006601	0	0.51580E-07	485514.8	3755534.4	540.9	3.49	4.00	3.25 YES
L0006602	0	0.51580E-07	485514.9	3755543.0	541.0	3.49	4.00	3.25 YES
L0006603	0	0.51580E-07	485515.0	3755551.6	541.0	3.49	4.00	3.25 YES
L0006604	0	0.51580E-07	485515.1	3755560.2	541.0	3.49	4.00	3.25 YES
L0006605	0	0.51580E-07	485515.2	3755568.8	541.1	3.49	4.00	3.25 YES
L0006606	0	0.51580E-07	485515.3	3755577.3	541.4	3.49	4.00	3.25 YES
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*** SOURCE IDs DEFINING SOURCE GROUPS
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 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

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


                                                *** SOURCE IDs DEFINING SOURCE GROUPS
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*** SOURCE IDs DEFINING SOURCE GROUPS
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                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

*** SOURCE IDs DEFINED AS URBAN SOURCES
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             L0005971    , L0005972    , L0005973    , L0005974    , L0005975    ,
L0005976    , L0005977    , L0005978    ,

             L0005979    , L0005980    , L0005981    , L0005982    , L0005983    ,
L0005984    , L0005985    , L0005986    ,

             L0005987    , L0005988    , L0005989    , L0005990    , L0005991    ,
L0005992    , L0005993    , L0005994    ,

             L0005995    , L0005996    , L0005997    , L0005998    , L0005999    ,
L0006000    , L0006001    , L0006002    ,

             L0006003    , L0006004    , L0006005    , L0006006    , L0006007    ,
L0006008    , L0006009    , L0006010    ,

             L0006011    , L0006012    , L0006013    , L0006014    , L0006015    ,
L0006016    , L0006017    , L0006018    ,
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 ,
		L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 ,
		L0006035 , L0006036 , L0006037 , L0006038 , L0006039 , L0006040 , L0006041 , L0006042 ,
		L0006043 , L0006044 , L0006045 , L0006046 , L0006047 , L0006048 , L0006049 , L0006050 ,
		L0006051 , L0006052 , L0006053 , L0006054 , L0006055 , L0006056 , L0006057 , L0006058 ,
		L0006059 , L0006060 , L0006061 , L0006062 , L0006063 , L0006064 , L0006065 , L0006066 ,
		L0006067 , L0006068 , L0006069 , L0006070 , L0006071 , L0006072 , L0006073 , L0006074 ,
		L0006075 , L0006076 , L0006077 , L0006078 , L0006079 , L0006080 , L0006081 , L0006082 ,
		L0006083 , L0006084 , L0006085 , L0006086 , L0006087 , L0006088 , L0006089 , L0006090 ,
		L0006091 , L0006092 , L0006093 , L0006094 , L0006095 , L0006096 , L0006097 , L0006098 ,
		L0006099 , L0006100 , L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 ,
		L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0006179 , L0006180 , L0006181 , L0006182 , L0006183 ,
L0006184 , L0006185 , L0006186 ,

L0006187 , L0006188 , L0006189 , L0006190 , L0006191 ,
L0006192 , L0006193 , L0006194 ,

L0006195 , L0006196 , L0006197 , L0006198 , L0006199 ,
L0006200 , L0006201 , L0006202 ,

L0006203 , L0006204 , L0006205 , L0006206 , L0006207 ,
L0006208 , L0006209 , L0006210 ,

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             L0006211    , L0006212    , L0006213    , L0006214    , L0006215    ,
L0006216    , L0006217    , L0006218    ,

             L0006219    , L0006220    , L0006221    , L0006222    , L0006223    ,
L0006224    , L0006225    , L0006226    ,

             L0006227    , L0006228    , L0006229    , L0006230    , L0006231    ,
L0006232    , L0006233    , L0006234    ,

             L0006235    , L0006236    , L0006237    , L0006238    , L0006239    ,
L0006240    , L0006241    , L0006242    ,

             L0006243    , L0006244    , L0006245    , L0006246    , L0006247    ,
L0006248    , L0006249    , L0006250    ,

             L0006251    , L0006252    , L0006253    , L0006254    , L0006255    ,
L0006256    , L0006257    , L0006258    ,

             L0006259    , L0006260    , L0006261    , L0006262    , L0006263    ,
L0006264    , L0006265    , L0006266    ,

             L0006267    , L0006268    , L0006269    , L0006270    , L0006271    ,
L0006272    , L0006273    , L0006274    ,

             L0006275    , L0006276    , L0006277    , L0006278    , L0006279    ,
L0006280    , L0006281    , L0006282    ,

             L0006283    , L0006284    , L0006285    , L0006286    , L0006287    ,
L0006288    , L0006289    , L0006290    ,

             L0006291    , L0006292    , L0006293    , L0006294    , L0006295    ,
L0006296    , L0006297    , L0006298    ,

             L0006299    , L0006300    , L0006301    , L0006302    , L0006303    ,
L0006304    , L0006305    , L0006306    ,

             L0006307    , L0006308    , L0006309    , L0006310    , L0006311    ,
L0006312    , L0006313    , L0006314    ,

             L0006315    , L0006316    , L0006317    , L0006318    , L0006319    ,
L0006320    , L0006321    , L0006322    ,

             L0006323    , L0006324    , L0006325    , L0006326    , L0006327    ,
L0006328    , L0006329    , L0006330    ,

             L0006331    , L0006332    , L0006333    , L0006334    , L0006335    ,
L0006336    , L0006337    , L0006338    ,
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***       01/07/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0006339 , L0006340 , L0006341 , L0006342 , L0006343 , L0006344 , L0006345 , L0006346 ,
		L0006347 , L0006348 , L0006349 , L0006350 , L0006351 , L0006352 , L0006353 , L0006354 ,
		L0006355 , L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 ,
		L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 ,
		L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 ,
		L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , L0006384 , L0006385 , L0006386 ,
		L0006387 , L0006388 , L0006389 , L0006390 , L0006391 , L0006392 , L0006393 , L0006394 ,
		L0006395 , L0006396 , L0006397 , L0006398 , L0006399 , L0006400 , L0006401 , L0006402 ,
		L0006403 , L0006404 , L0006405 , L0006406 , L0006407 , L0006408 , L0006409 , L0006410 ,
		L0006411 , L0006412 , L0006413 , L0006414 , L0006415 , L0006416 , L0006417 , L0006418 ,
		L0006419 , L0006420 , L0006421 , L0006422 , L0006423 , L0006424 , L0006425 , L0006426 ,
		L0006427 , L0006428 , L0006429 , L0006430 , L0006431 , L0006432 , L0006433 , L0006434 ,

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             L0006531    , L0006532    , L0006533    , L0006534    , L0006535    ,
L0006536    , L0006537    , L0006538    ,

             L0006539    , L0006540    , L0006541    , L0006542    , L0006543    ,
L0006544    , L0006545    , L0006546    ,

             L0006547    , L0006548    , L0006549    , L0006550    , L0006551    ,
L0006552    , L0006553    , L0006554    ,

             L0006555    , L0006556    , L0006557    , L0006558    , L0006559    ,
L0006560    , L0006561    , L0006562    ,

             L0006563    , L0006564    , L0006565    , L0006566    , L0006567    ,
L0006568    , L0006569    , L0006570    ,

             L0006571    , L0006572    , L0006573    , L0006574    , L0006575    ,
L0006576    , L0006577    , L0006578    ,

             L0006579    , L0006580    , L0006581    , L0006582    , L0006583    ,
L0006584    , L0006585    , L0006586    ,

             L0006587    , L0006588    , L0006589    , L0006590    , L0006591    ,
L0006592    , L0006593    , L0006594    ,

             L0006595    , L0006596    , L0006597    , L0006598    , L0006599    ,
L0006600    , L0006601    , L0006602    ,

             L0006603    , L0006604    , L0006605    , L0006606    , L0006607    ,
L0006608    , L0006609    , L0006610    ,

             L0006611    , L0006612    , L0006613    , L0006614    , L0006615    ,
L0006616    , L0006617    ,
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                           ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                          ***       12:29:46

                                    PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

     ( 485254.0, 3755508.6,     541.1,     541.1,       0.0);         ( 485271.0,
3754588.9,     520.4,     520.4,       0.0);
     ( 484903.9, 3754588.9,     522.9,     522.9,       0.0);         ( 484740.6,
3754586.3,     523.0,     523.0,       0.0);
     ( 484962.7, 3754583.6,     522.2,     522.2,       0.0);         ( 484995.2,
```

```
3754578.2,     522.1,     522.1,       0.0);
     ( 485061.1, 3754595.7,     522.4,     522.4,       0.0);         ( 485081.6,
3754593.0,     522.0,     522.0,       0.0);
     ( 485193.0, 3754581.9,     521.0,     521.0,       0.0);         ( 484823.6,
3754585.0,     523.3,     523.3,       0.0);
     ( 484884.8, 3754593.0,     523.0,     523.0,       0.0);         ( 484798.7,
3754595.4,     523.6,     523.6,       0.0);
     ( 485166.1, 3754581.9,     521.2,     521.2,       0.0);         ( 485167.3,
3755143.8,     533.9,     533.9,       0.0);
     ( 485005.8, 3755160.8,     535.5,     535.5,       0.0);         ( 484254.1,
3755093.7,     536.2,     623.0,       0.0);
     ( 484513.4, 3755169.9,     537.8,     537.8,       0.0);         ( 484084.6,
3755094.8,     535.3,     626.0,       0.0);
     ( 484819.3, 3755160.8,     537.3,     537.3,       0.0);
```



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

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

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

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



                                          *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
```

*** 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\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                    PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     L0006618    , L0006619
```

```
 , L0006620    , L0006621    , L0006622    ,
                 L0006623    , L0006624    , L0006625    , L0006626    , L0006627
 , L0006628    , L0006629    , L0006630    ,
                 L0006631    , L0006632    , L0006633    , L0006634    , L0006635
 , L0006636    , L0006637    , L0006638    ,
                 L0006639    , L0006640    , L0006641    , L0006642    , L0006643
 , L0006644    , L0006645    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         485254.01    3755508.63        0.00217                       485270.99
3754588.87        0.00440
         484903.88    3754588.87        0.00310                       484740.57
3754586.26        0.00237
         484962.67    3754583.65        0.00329                       484995.17
3754578.23        0.00335
         485061.11    3754595.73        0.00380                       485081.62
3754593.03        0.00383
         485192.97    3754581.93        0.00401                       484823.61
3754584.96        0.00271
         484884.84    3754593.03        0.00305                       484798.72
3754595.39        0.00269
         485166.06    3754581.93        0.00393                       485167.27
3755143.75        0.00831
         485005.78    3755160.81        0.00707                       484254.07
3755093.71        0.00354
         484513.36    3755169.91        0.00269                       484084.62
3755094.85        0.00206
         484819.28    3755160.81        0.00534

↟ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 FC\12974 FC.ISC
                          ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                         ***       12:29:46

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

GROUP ID	NETWORK AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00831	AT (485167.27, 3755143.75, 533.91, 533.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00707	AT (485005.78, 3755160.81, 535.48, 535.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00534	AT (484819.28, 3755160.81, 537.33, 537.33, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00440	AT (485270.99, 3754588.87, 520.42, 520.42, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00401	AT (485192.97, 3754581.93, 521.04, 521.04, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00393	AT (485166.06, 3754581.93, 521.19, 521.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00383	AT (485081.62, 3754593.03, 521.98, 521.98, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00380	AT (485061.11, 3754595.73, 522.41, 522.41, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00354	AT (484254.07, 3755093.71, 536.24, 623.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00335	AT (484995.17, 3754578.23, 522.06, 522.06, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 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    1736       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    1736       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 2022

Speed	LHD1	MHD	HHD
0	0.389075	0.130109	0.01485
5	0.037927	0.062152	0.04296
25	0.013603	0.0316	0.01812

Speed	**Weighted Average Emissions**
0	**0.11272**
5	**0.04535**
25	**0.01959**

Emission Rates - 2022 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 at Dock Doors	429			0.1127	12.08	1.398E-04
On-Site Travel	857	534.80	0.0453		24.25	2.807E-04
Off-Site Travel 40% Inbound/Outbound Dwy 1 to SR-60/Moreno Beach Dr.	343	318.59	0.0196		6.24	7.224E-05
Off-Site Travel 30% Inbound Dwy 1 from SR-60/Redlands	129	72.93	0.0196		1.43	1.654E-05
Off-Site Travel 50% Outbound Dwy 1 to SR-60/Redlands	214	121.55	0.0196		2.38	2.756E-05
Off-Site Travel 10% Outbound Dwy 5 to SR-60/Redlands	43	20.38	0.0196		0.40	4.621E-06
Off-Site Travel 30% Inbound Dwy 7 from SR-60/Redlands	129	38.17	0.0196		0.75	8.654E-06
Off-Site Travel 10% Inbound SR-60	43	12.51	0.0196		0.25	2.837E-06

[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_hu	process	speed_tim	pollutant	emission_rate
2022	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.043461
2022	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.018326
2022	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.076718
2022	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.027515
2022	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.070223
2022	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.035704
2022	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.015028
2022	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.78701
2022	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.147006

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: RIVERSIDE
Calendar Year: 2022
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	2022	HHDT	Aggregate	Aggregate	GAS	7.255052
RIVERSID	2022	HHDT	Aggregate	Aggregate	DSL	27819.82
RIVERSID	2022	HHDT	Aggregate	Aggregate	NG	316.9854
RIVERSID	2022	LHDT1	Aggregate	Aggregate	GAS	20620.88
RIVERSID	2022	LHDT1	Aggregate	Aggregate	DSL	20161.77
RIVERSID	2022	MHDT	Aggregate	Aggregate	GAS	2027.159
RIVERSID	2022	MHDT	Aggregate	Aggregate	DSL	15610.04

HHDT% GAS/NG	0.011521
HHDT% DSL	0.988479
LHDT1% GAS	0.505629
LHDT1% DSL	0.494371
MHDT% GAS	0.114937
MHDT% DSL	0.885063

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)
	0.00440	4.40E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.5E-06	4.9E-08	5.0E+00	1.4E-03	8.8E-04							
TOTAL								4.9E-08			8.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	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)
	0.00440	4.40E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.6E-06	1.2E-06	5.0E+00	1.4E-03	8.8E-04							
TOTAL								1.2E-06			8.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	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)
	0.00440	4.40E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.4E-06	1.1E-06	5.0E+00	1.4E-03	8.8E-04							
TOTAL								1.1E-06			8.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00440	4.40E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-06	1.7E-07	5.0E+00	1.4E-03	8.8E-04							
TOTAL								1.7E-07			8.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
								0.17										

** 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) 2.48

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	8.31E-03	8.31E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.3E-06	4.9E-07	5.0E+00	1.4E-03	1.7E-03							
	TOTAL								4.9E-07 0.49			1.7E-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)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70