
**Moreno Valley Trade Center
Warehouse
MOBILE SOURCE HEALTH RISK ASSESSMENT
CITY OF MORENO VALLEY**

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Moreno Valley Trade Center Warehouse
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 R3, which represents an existing residential home located at 13020 Essen Lane, approximately 118 feet south of the Project site. R3 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 6.75 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 0.002, 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 0.54 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 0.002, 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	6.75	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.54	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.002	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	0.002	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 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 net 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 for Light Industrial District (LI) uses 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 Agriculture 2 (RA2) District, most of which are already developed with houses. To the west the properties are zoned Residential Agriculture 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 warehouse uses, as shown on Exhibit 1-B. The Project is anticipated to be constructed and occupied by 2022¹. 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 Warehouse Traffic Impact Analysis* (TIA) prepared by Translutions, Inc., the Project is expected to generate a total of approximately 2,321 two-way vehicular trips per day (1,160 inbound and 1,161 outbound) which includes 885 two-way truck trips per day (442 inbound and 443 outbound) (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 885 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

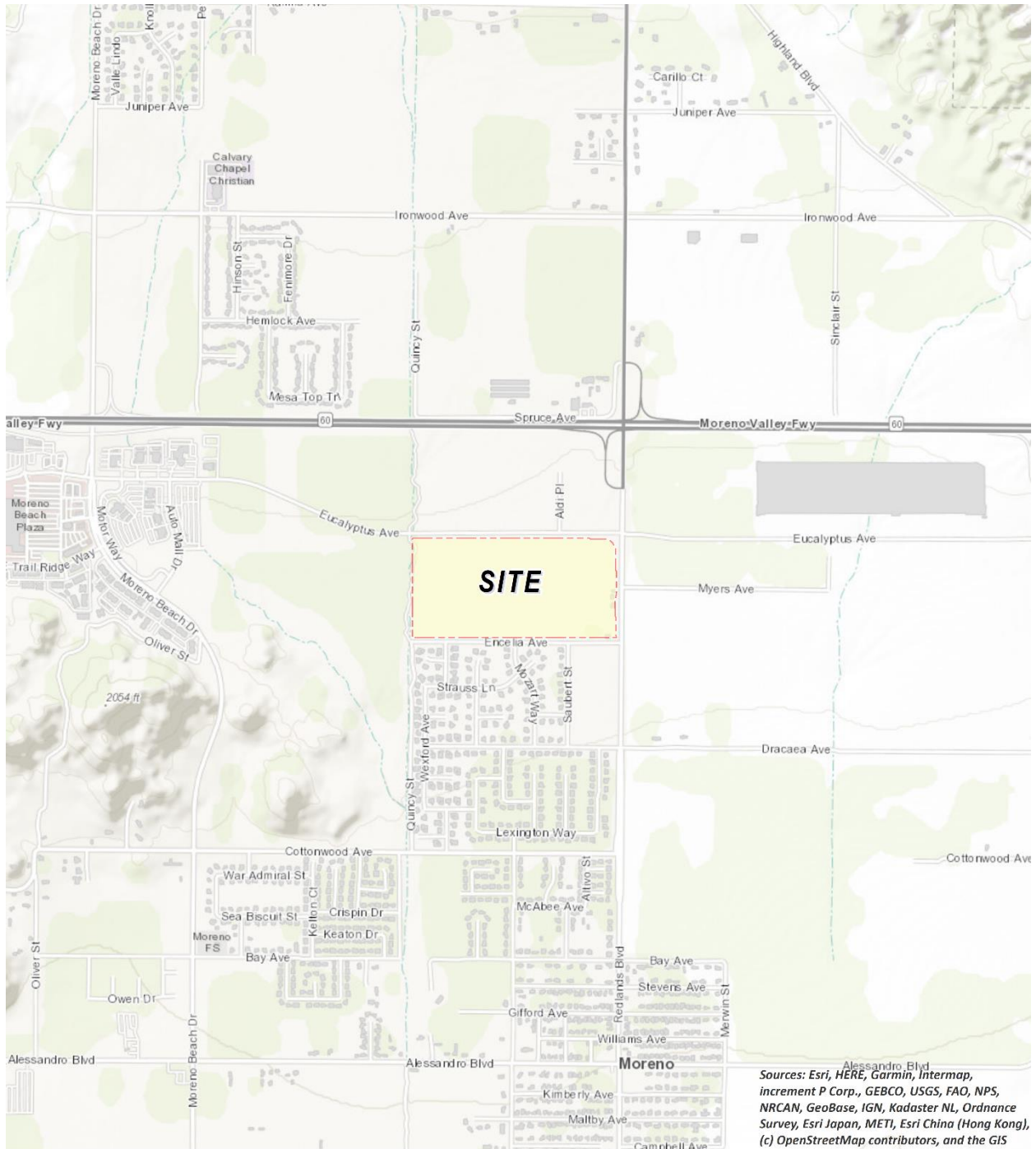
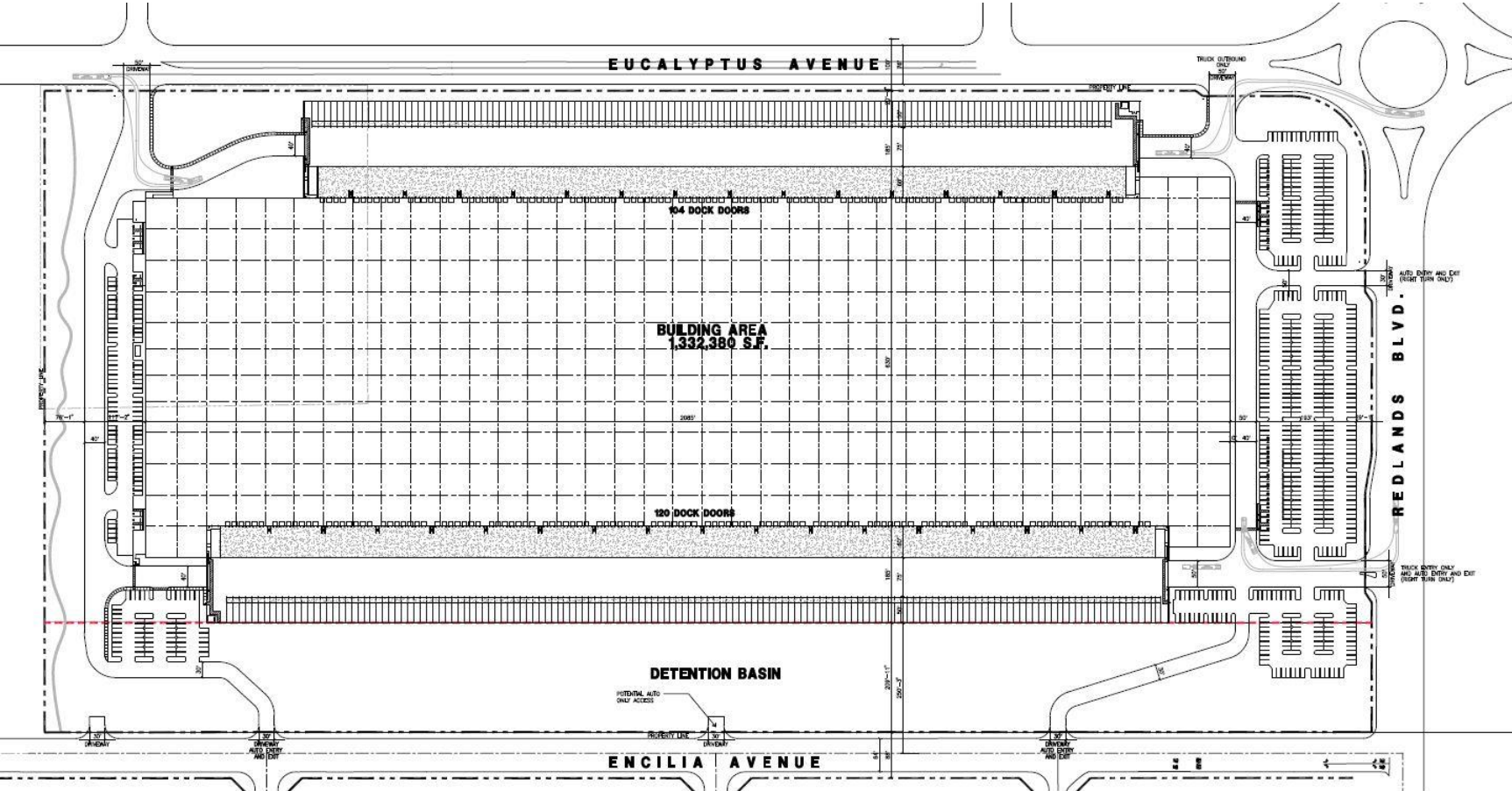


EXHIBIT 1-B: SITE PLAN



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 $\mu\text{g}/\text{m}^3$ 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 $10\mu\text{m}$ 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):

$$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

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

EF_{RunExhaust} (g/VMT): EMFAC running exhaust PM₁₀ 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 PM₁₀ 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 PM₁₀ 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):

$$\text{Emissions}_{\text{idle}} \text{ (g/s)} = \text{EF}_{\text{idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * \frac{60 \text{ minutes}}{\text{per hour}} / \text{seconds per day}$$

Where:

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

EF_{idle}(g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-1: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.10446 (g/idle-hr)
5	0.04647 (g/s)
25	0.02041 (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 Warehouse Traffic Impact Analysis (TIA)* prepared by Translutions, Inc., the Project is expected to generate a total of approximately 2,321 two-way vehicular trips per day (1,160 inbound and 1,161 outbound) which includes 885 two-way truck trips per day (442 inbound and 443 outbound) (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 885 two-way truck trips generated by the Project.

EXHIBIT 2-A: TRUCK TRAFFIC DISTRIBUTION

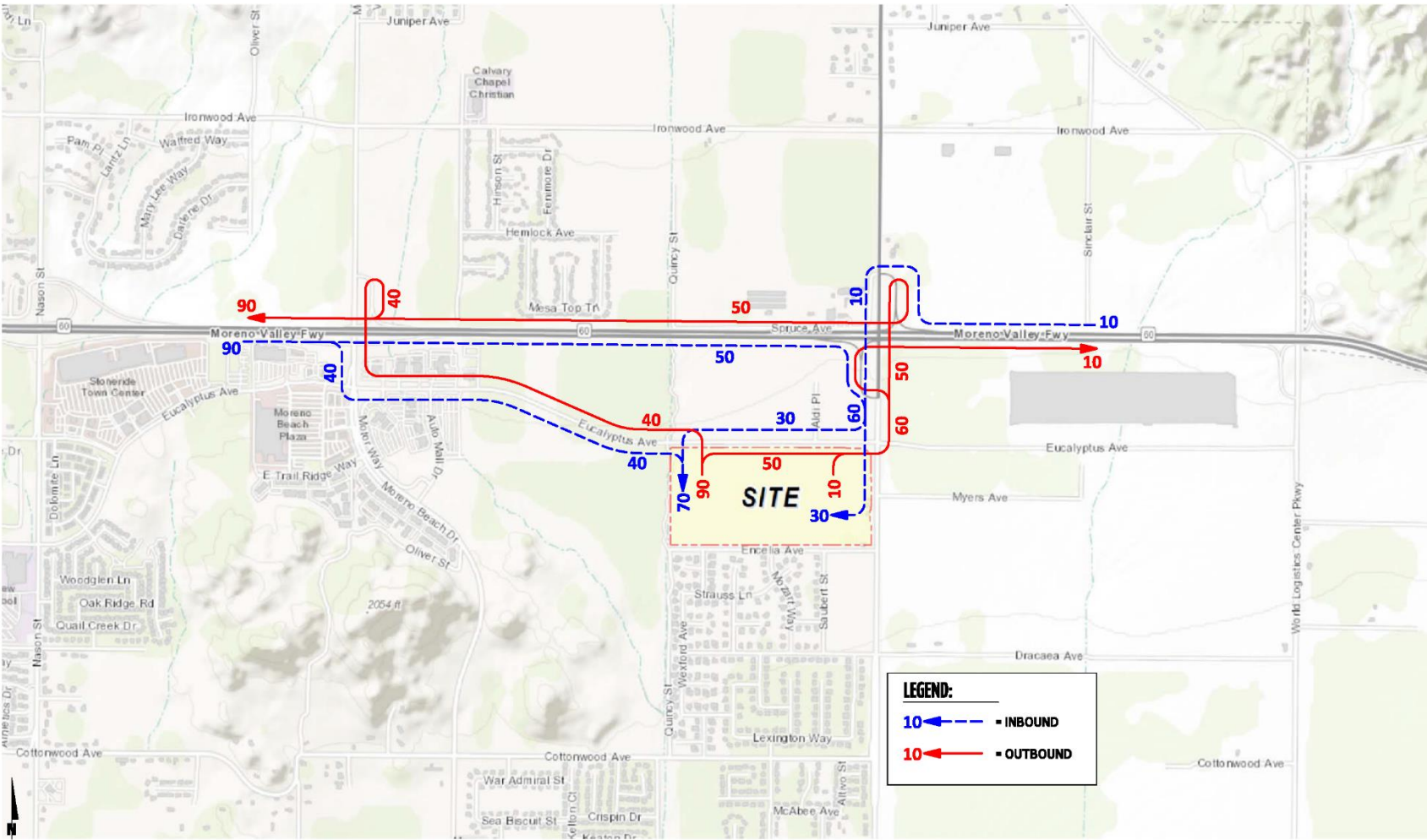
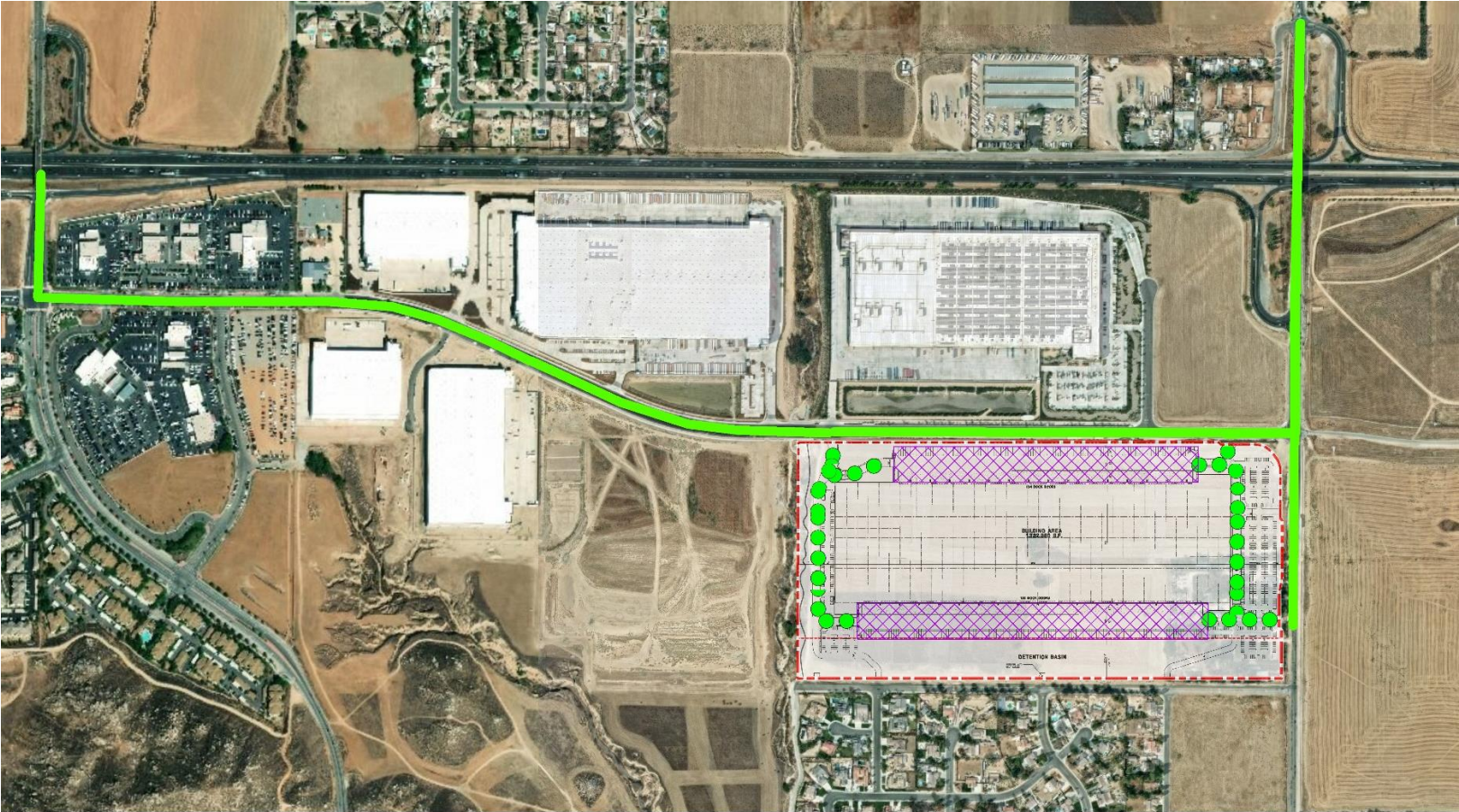






EXHIBIT 2-B: MODELED EMISSION SOURCES



LEGEND:

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

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 (North)	221			0.1045	5.78	6.687E-05
On-Site Idling at Dock Doors (South)	221			0.1045	5.78	6.687E-05
On-Site Travel	885	1017.12	0.0465		47.26	5.470E-04
Off-Site Travel 40% Inbound/Outbound Dw y 1 to SR-60/Moreno Beach Dr	354	329.00	0.0204		6.72	7.773E-05
Off-Site Travel 30% Inbound Dw y 1 from SR-60/Redlands	133	75.31	0.0204		1.54	1.779E-05
Off-Site Travel 50% Outbound Dw y 1 to SR-60/Redlands	221	125.52	0.0204		2.56	2.965E-05
Off-Site Travel 10% Outbound Dw y 5 to SR-60/Redlands	44	21.05	0.0204		0.43	4.972E-06
Off-Site Travel 30% Inbound Dw y 7 from SR-60/Redlands	133	39.41	0.0204		0.80	9.312E-06
Off-Site Travel 10% Inbound SR-60	44	12.92	0.0204		0.26	3.053E-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.

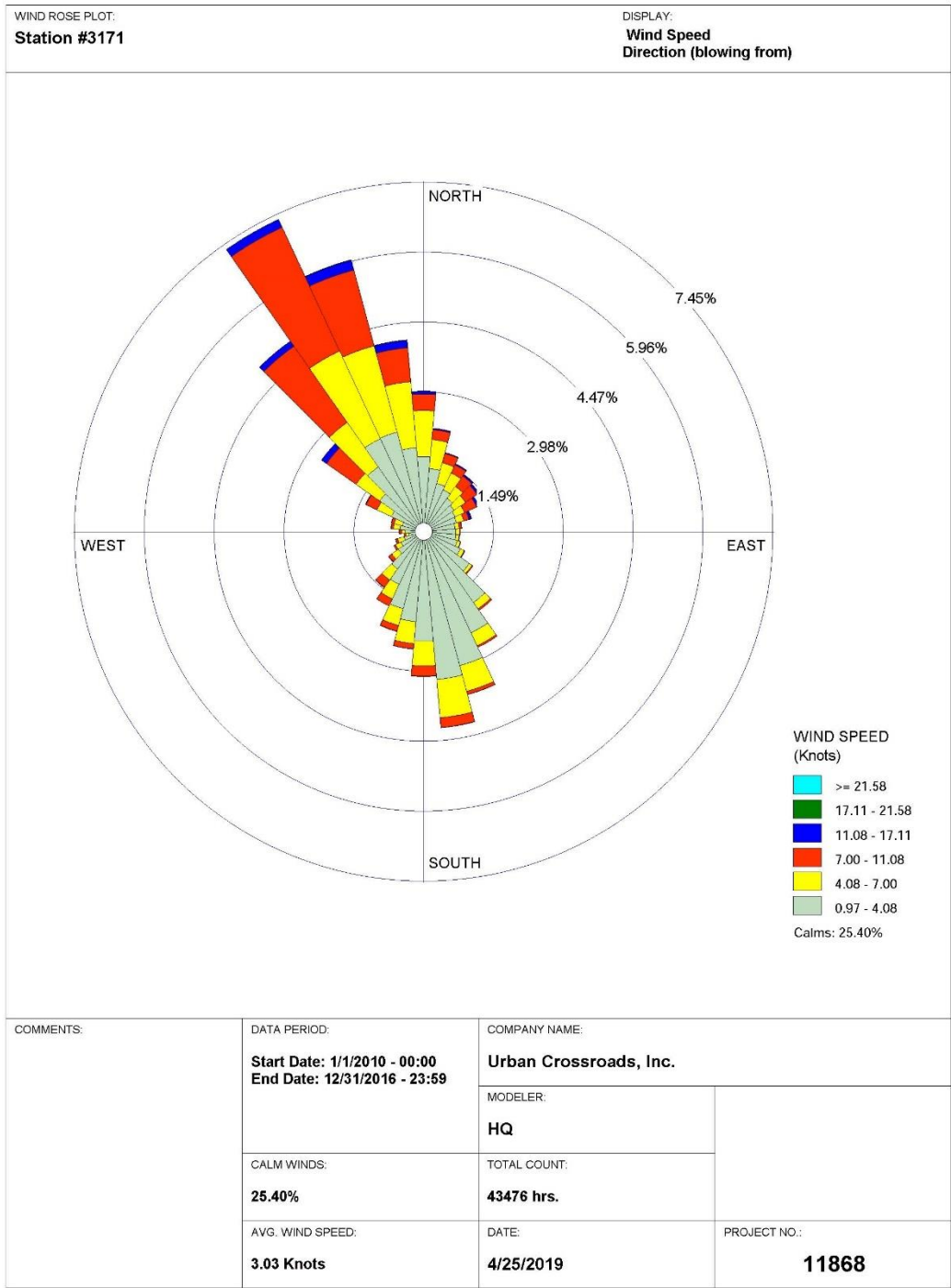
SCAQMD-recommended model parameters are presented in Table 2-3 (9). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD’s Perris monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (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)



WRPLOT View - Lakes Environmental Software

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.

$$\text{DOSE}_{\text{air}} = (\text{C}_{\text{air}} \times [\text{BR}/\text{BW}] \times A \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
C _{air}	=	concentration of contaminant in air (ug/m ³)
[BR/BW] BW-day)	=	daily breathing rate normalized to body weight (L/kg
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 m ³)

$$\text{RISK}_{\text{air}} = \text{DOSE}_{\text{air}} \times \text{CPF} \times \text{ED}/\text{AT}$$

Where:

DOSE _{air}	=	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/m³ (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:

$$\text{HI}_{\text{DPM}} = \text{C}_{\text{DPM}}/\text{REL}_{\text{DPM}}$$

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 RISKS³

Individual Exposure Scenario:

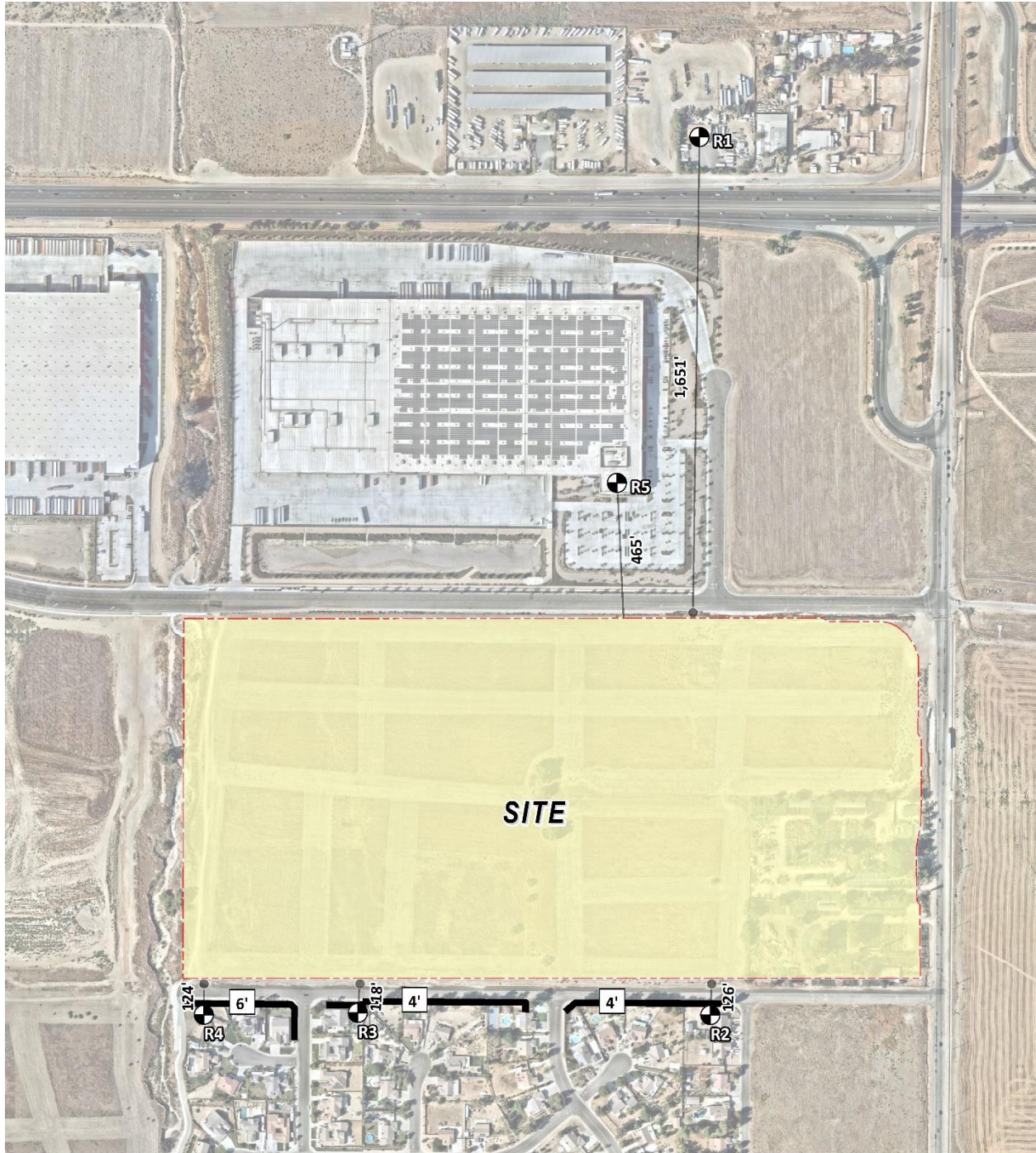
The residential land use with the greatest potential exposure to Project DPM source emissions is Location R3, which represents an existing residential home located at 13020 Essen Lane, approximately 118 feet south of the Project site. R3 is placed behind the existing 4-foot high barrier in the private outdoor living area (backyard). At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 6.75 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 0.002, 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 0.54 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 0.002, 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




LEGEND:

 Site Boundary

 Receptor Locations

 Existing Barrier

 Distance from receptor to Project site boundary (in feet)

 Existing Barrier Height (in feet)

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3 REFERENCES

1. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
2. **South Coast Air Quality Management 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>.
4. **Translutions, Inc.** *Moreno Valley Trade Center Traffic Impact Analysis.* 2020.
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>.
7. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
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.
9. —. User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] April 2018.
https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
10. **South Coast Air Quality Management District.** Data for AERMOD. [Online] [Cited: June 10, 2019.] <https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod>.
11. —. South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.

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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 Warehouse 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.

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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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```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 5/27/2020
** FILE: C:\LAKES\AERMOD VIEW\12974 HCW\12974 HCW.ADI
**
*****
**
**
*****
** AERMOD CONTROL PATHWAY
*****
**
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CO STARTING
  TITLEONE C:\LAKES\AERMOD VIEW\12974 HCW\12974 HCW.ISC
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 2189641
  POLLUTID OTHER
  RUNORNOT RUN
  ERRORFIL "12974 HCW.ERR"
```

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CO FINISHED
```

```
**
*****
** AERMOD SOURCE PATHWAY
*****
**
**
```

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SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE1
** DESCRSRC ON-SITE IDLING NORTH SIDE
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00006687
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 484870.384, 3754955.198, 531.72, 3.49, 4.00
** 485351.136, 3754957.509, 528.00, 3.49, 4.00
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LOCATION	L0003378	VOLUME	484891.859	3754955.301	531.63
LOCATION	L0003379	VOLUME	484900.449	3754955.342	531.63
LOCATION	L0003380	VOLUME	484909.039	3754955.384	531.63
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LOCATION	L0003383	VOLUME	484934.809	3754955.508	531.64
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LOCATION	L0003389	VOLUME	484986.348	3754955.755	530.77
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LOCATION	L0003413	VOLUME	485192.506	3754956.747	529.68
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LOCATION	L0003417	VOLUME	485226.865	3754956.912	529.07
LOCATION	L0003418	VOLUME	485235.455	3754956.953	528.94
LOCATION	L0003419	VOLUME	485244.045	3754956.994	528.85
LOCATION	L0003420	VOLUME	485252.635	3754957.036	528.77
LOCATION	L0003421	VOLUME	485261.225	3754957.077	528.69
LOCATION	L0003422	VOLUME	485269.815	3754957.118	528.69
LOCATION	L0003423	VOLUME	485278.405	3754957.160	528.69
LOCATION	L0003424	VOLUME	485286.995	3754957.201	528.69
LOCATION	L0003425	VOLUME	485295.584	3754957.242	528.57

LOCATION L0003426	VOLUME	485304.174	3754957.283	528.37
LOCATION L0003427	VOLUME	485312.764	3754957.325	528.17
LOCATION L0003428	VOLUME	485321.354	3754957.366	528.00
LOCATION L0003429	VOLUME	485329.944	3754957.407	528.00
LOCATION L0003430	VOLUME	485338.534	3754957.449	528.00
LOCATION L0003431	VOLUME	485347.124	3754957.490	528.00

** END OF LINE VOLUME SOURCE ID = SLINE1

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** -----
 ** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

** DESCRSRC ON-SITE IDLING SOUTH SIDE

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00006687

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

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LOCATION L0003449	VOLUME	484966.007	3754729.316	526.08
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LOCATION L0003458	VOLUME	485043.316	3754729.638	525.11
LOCATION L0003459	VOLUME	485051.906	3754729.674	525.11
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LOCATION L0003461	VOLUME	485069.086	3754729.746	525.11
LOCATION L0003462	VOLUME	485077.676	3754729.781	525.11
LOCATION L0003463	VOLUME	485086.266	3754729.817	525.11
LOCATION L0003464	VOLUME	485094.856	3754729.853	525.12
LOCATION L0003465	VOLUME	485103.446	3754729.889	525.12
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LOCATION L0003468	VOLUME	485129.216	3754729.996	525.04
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LOCATION L0003487	VOLUME	485292.424	3754730.676	523.14
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LOCATION L0003489	VOLUME	485309.604	3754730.748	523.15
LOCATION L0003490	VOLUME	485318.194	3754730.784	523.15
LOCATION L0003491	VOLUME	485326.784	3754730.819	523.12
LOCATION L0003492	VOLUME	485335.374	3754730.855	523.07
LOCATION L0003493	VOLUME	485343.964	3754730.891	523.03
LOCATION L0003494	VOLUME	485352.554	3754730.927	523.00
LOCATION L0003495	VOLUME	485361.144	3754730.963	523.00
LOCATION L0003496	VOLUME	485369.734	3754730.998	523.00

** END OF LINE VOLUME SOURCE ID = SLINE2

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE3

** DESCRSRC ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.000547

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 13

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** 484762.523, 3754949.034, 531.92, 3.49, 4.00

** 484753.278, 3754931.314, 531.92, 3.49, 4.00
 ** 484747.115, 3754898.956, 530.86, 3.49, 4.00
 ** 484747.115, 3754715.592, 525.73, 3.49, 4.00
 ** 485421.246, 3754720.985, 522.62, 3.49, 4.00
 ** 485416.623, 3754970.607, 527.96, 3.49, 4.00
 ** 485368.856, 3754969.836, 528.00, 3.49, 4.00
 ** 484884.252, 3754970.607, 531.92, 3.49, 4.00
 ** 484842.649, 3754966.754, 531.99, 3.49, 4.00
 ** 484821.076, 3754957.509, 532.06, 3.49, 4.00
 ** 484794.882, 3754952.116, 532.37, 3.49, 4.00
 ** 484774.850, 3754950.575, 532.41, 3.49, 4.00

** -----

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LOCATION L0003499	VOLUME	484767.764	3754972.012	533.00
LOCATION L0003500	VOLUME	484765.854	3754963.637	532.91
LOCATION L0003501	VOLUME	484763.944	3754955.262	532.63
LOCATION L0003502	VOLUME	484761.505	3754947.082	532.36
LOCATION L0003503	VOLUME	484757.531	3754939.466	532.10
LOCATION L0003504	VOLUME	484753.558	3754931.850	531.85
LOCATION L0003505	VOLUME	484751.784	3754923.470	531.57
LOCATION L0003506	VOLUME	484750.177	3754915.032	531.29
LOCATION L0003507	VOLUME	484748.569	3754906.593	531.01
LOCATION L0003508	VOLUME	484747.115	3754898.141	530.73
LOCATION L0003509	VOLUME	484747.115	3754889.551	530.44
LOCATION L0003510	VOLUME	484747.115	3754880.961	530.15
LOCATION L0003511	VOLUME	484747.115	3754872.371	529.99
LOCATION L0003512	VOLUME	484747.115	3754863.781	529.96
LOCATION L0003513	VOLUME	484747.115	3754855.191	529.93
LOCATION L0003514	VOLUME	484747.115	3754846.601	529.90
LOCATION L0003515	VOLUME	484747.115	3754838.011	529.62
LOCATION L0003516	VOLUME	484747.115	3754829.421	529.34
LOCATION L0003517	VOLUME	484747.115	3754820.831	529.05
LOCATION L0003518	VOLUME	484747.115	3754812.241	528.78
LOCATION L0003519	VOLUME	484747.115	3754803.651	528.52
LOCATION L0003520	VOLUME	484747.115	3754795.061	528.26
LOCATION L0003521	VOLUME	484747.115	3754786.471	528.00
LOCATION L0003522	VOLUME	484747.115	3754777.881	527.72
LOCATION L0003523	VOLUME	484747.115	3754769.291	527.43
LOCATION L0003524	VOLUME	484747.115	3754760.701	527.14
LOCATION L0003525	VOLUME	484747.115	3754752.111	526.86
LOCATION L0003526	VOLUME	484747.115	3754743.521	526.57
LOCATION L0003527	VOLUME	484747.115	3754734.931	526.29
LOCATION L0003528	VOLUME	484747.115	3754726.341	526.00
LOCATION L0003529	VOLUME	484747.115	3754717.751	525.71
LOCATION L0003530	VOLUME	484753.546	3754715.644	525.68
LOCATION L0003531	VOLUME	484762.136	3754715.713	525.79
LOCATION L0003532	VOLUME	484770.726	3754715.781	525.89
LOCATION L0003533	VOLUME	484779.315	3754715.850	525.99
LOCATION L0003534	VOLUME	484787.905	3754715.919	526.00

LOCATION	L0003535	VOLUME	484796.495	3754715.987	526.00
LOCATION	L0003536	VOLUME	484805.085	3754716.056	526.00
LOCATION	L0003537	VOLUME	484813.674	3754716.125	526.00
LOCATION	L0003538	VOLUME	484822.264	3754716.194	526.00
LOCATION	L0003539	VOLUME	484830.854	3754716.262	526.00
LOCATION	L0003540	VOLUME	484839.444	3754716.331	526.00
LOCATION	L0003541	VOLUME	484848.033	3754716.400	526.00
LOCATION	L0003542	VOLUME	484856.623	3754716.469	526.00
LOCATION	L0003543	VOLUME	484865.213	3754716.537	526.00
LOCATION	L0003544	VOLUME	484873.802	3754716.606	525.96
LOCATION	L0003545	VOLUME	484882.392	3754716.675	525.87
LOCATION	L0003546	VOLUME	484890.982	3754716.743	525.78
LOCATION	L0003547	VOLUME	484899.572	3754716.812	525.69
LOCATION	L0003548	VOLUME	484908.161	3754716.881	525.68
LOCATION	L0003549	VOLUME	484916.751	3754716.950	525.69
LOCATION	L0003550	VOLUME	484925.341	3754717.018	525.69
LOCATION	L0003551	VOLUME	484933.931	3754717.087	525.69
LOCATION	L0003552	VOLUME	484942.520	3754717.156	525.69
LOCATION	L0003553	VOLUME	484951.110	3754717.224	525.69
LOCATION	L0003554	VOLUME	484959.700	3754717.293	525.70
LOCATION	L0003555	VOLUME	484968.289	3754717.362	525.70
LOCATION	L0003556	VOLUME	484976.879	3754717.431	525.70
LOCATION	L0003557	VOLUME	484985.469	3754717.499	525.70
LOCATION	L0003558	VOLUME	484994.059	3754717.568	525.61
LOCATION	L0003559	VOLUME	485002.648	3754717.637	525.41
LOCATION	L0003560	VOLUME	485011.238	3754717.705	525.21
LOCATION	L0003561	VOLUME	485019.828	3754717.774	525.01
LOCATION	L0003562	VOLUME	485028.418	3754717.843	525.00
LOCATION	L0003563	VOLUME	485037.007	3754717.912	525.00
LOCATION	L0003564	VOLUME	485045.597	3754717.980	525.00
LOCATION	L0003565	VOLUME	485054.187	3754718.049	524.96
LOCATION	L0003566	VOLUME	485062.776	3754718.118	524.88
LOCATION	L0003567	VOLUME	485071.366	3754718.186	524.81
LOCATION	L0003568	VOLUME	485079.956	3754718.255	524.73
LOCATION	L0003569	VOLUME	485088.546	3754718.324	524.73
LOCATION	L0003570	VOLUME	485097.135	3754718.393	524.73
LOCATION	L0003571	VOLUME	485105.725	3754718.461	524.74
LOCATION	L0003572	VOLUME	485114.315	3754718.530	524.74
LOCATION	L0003573	VOLUME	485122.904	3754718.599	524.74
LOCATION	L0003574	VOLUME	485131.494	3754718.667	524.74
LOCATION	L0003575	VOLUME	485140.084	3754718.736	524.75
LOCATION	L0003576	VOLUME	485148.674	3754718.805	524.53
LOCATION	L0003577	VOLUME	485157.263	3754718.874	524.32
LOCATION	L0003578	VOLUME	485165.853	3754718.942	524.11
LOCATION	L0003579	VOLUME	485174.443	3754719.011	523.96
LOCATION	L0003580	VOLUME	485183.033	3754719.080	523.90
LOCATION	L0003581	VOLUME	485191.622	3754719.149	523.83
LOCATION	L0003582	VOLUME	485200.212	3754719.217	523.76
LOCATION	L0003583	VOLUME	485208.802	3754719.286	523.76
LOCATION	L0003584	VOLUME	485217.391	3754719.355	523.77

LOCATION	L0003585	VOLUME	485225.981	3754719.423	523.77
LOCATION	L0003586	VOLUME	485234.571	3754719.492	523.66
LOCATION	L0003587	VOLUME	485243.161	3754719.561	523.44
LOCATION	L0003588	VOLUME	485251.750	3754719.630	523.22
LOCATION	L0003589	VOLUME	485260.340	3754719.698	523.00
LOCATION	L0003590	VOLUME	485268.930	3754719.767	523.00
LOCATION	L0003591	VOLUME	485277.520	3754719.836	523.00
LOCATION	L0003592	VOLUME	485286.109	3754719.904	523.00
LOCATION	L0003593	VOLUME	485294.699	3754719.973	522.97
LOCATION	L0003594	VOLUME	485303.289	3754720.042	522.91
LOCATION	L0003595	VOLUME	485311.878	3754720.111	522.85
LOCATION	L0003596	VOLUME	485320.468	3754720.179	522.79
LOCATION	L0003597	VOLUME	485329.058	3754720.248	522.80
LOCATION	L0003598	VOLUME	485337.648	3754720.317	522.80
LOCATION	L0003599	VOLUME	485346.237	3754720.385	522.80
LOCATION	L0003600	VOLUME	485354.827	3754720.454	522.80
LOCATION	L0003601	VOLUME	485363.417	3754720.523	522.81
LOCATION	L0003602	VOLUME	485372.007	3754720.592	522.81
LOCATION	L0003603	VOLUME	485380.596	3754720.660	522.81
LOCATION	L0003604	VOLUME	485389.186	3754720.729	522.81
LOCATION	L0003605	VOLUME	485397.776	3754720.798	522.81
LOCATION	L0003606	VOLUME	485406.365	3754720.866	522.82
LOCATION	L0003607	VOLUME	485414.955	3754720.935	522.69
LOCATION	L0003608	VOLUME	485421.203	3754723.284	522.57
LOCATION	L0003609	VOLUME	485421.044	3754731.873	522.70
LOCATION	L0003610	VOLUME	485420.885	3754740.461	522.81
LOCATION	L0003611	VOLUME	485420.726	3754749.050	522.91
LOCATION	L0003612	VOLUME	485420.567	3754757.638	523.04
LOCATION	L0003613	VOLUME	485420.408	3754766.227	523.33
LOCATION	L0003614	VOLUME	485420.249	3754774.815	523.61
LOCATION	L0003615	VOLUME	485420.090	3754783.404	523.90
LOCATION	L0003616	VOLUME	485419.931	3754791.992	524.19
LOCATION	L0003617	VOLUME	485419.772	3754800.581	524.47
LOCATION	L0003618	VOLUME	485419.613	3754809.169	524.76
LOCATION	L0003619	VOLUME	485419.454	3754817.758	525.00
LOCATION	L0003620	VOLUME	485419.295	3754826.347	525.00
LOCATION	L0003621	VOLUME	485419.136	3754834.935	525.00
LOCATION	L0003622	VOLUME	485418.977	3754843.524	525.00
LOCATION	L0003623	VOLUME	485418.818	3754852.112	525.19
LOCATION	L0003624	VOLUME	485418.659	3754860.701	525.48
LOCATION	L0003625	VOLUME	485418.499	3754869.289	525.76
LOCATION	L0003626	VOLUME	485418.340	3754877.878	526.04
LOCATION	L0003627	VOLUME	485418.181	3754886.466	526.25
LOCATION	L0003628	VOLUME	485418.022	3754895.055	526.46
LOCATION	L0003629	VOLUME	485417.863	3754903.643	526.67
LOCATION	L0003630	VOLUME	485417.704	3754912.232	526.80
LOCATION	L0003631	VOLUME	485417.545	3754920.820	526.87
LOCATION	L0003632	VOLUME	485417.386	3754929.409	526.94
LOCATION	L0003633	VOLUME	485417.227	3754937.997	527.05
LOCATION	L0003634	VOLUME	485417.068	3754946.586	527.34

LOCATION	L0003635	VOLUME	485416.909	3754955.174	527.63
LOCATION	L0003636	VOLUME	485416.750	3754963.763	527.91
LOCATION	L0003637	VOLUME	485414.878	3754970.579	528.00
LOCATION	L0003638	VOLUME	485406.289	3754970.440	528.02
LOCATION	L0003639	VOLUME	485397.701	3754970.301	528.05
LOCATION	L0003640	VOLUME	485389.112	3754970.163	528.09
LOCATION	L0003641	VOLUME	485380.523	3754970.024	528.12
LOCATION	L0003642	VOLUME	485371.934	3754969.886	528.12
LOCATION	L0003643	VOLUME	485363.344	3754969.845	528.12
LOCATION	L0003644	VOLUME	485354.754	3754969.859	528.12
LOCATION	L0003645	VOLUME	485346.164	3754969.872	528.12
LOCATION	L0003646	VOLUME	485337.574	3754969.886	528.12
LOCATION	L0003647	VOLUME	485328.984	3754969.900	528.12
LOCATION	L0003648	VOLUME	485320.394	3754969.913	528.12
LOCATION	L0003649	VOLUME	485311.804	3754969.927	528.36
LOCATION	L0003650	VOLUME	485303.214	3754969.941	528.61
LOCATION	L0003651	VOLUME	485294.624	3754969.954	528.87
LOCATION	L0003652	VOLUME	485286.034	3754969.968	529.02
LOCATION	L0003653	VOLUME	485277.444	3754969.982	529.05
LOCATION	L0003654	VOLUME	485268.854	3754969.995	529.09
LOCATION	L0003655	VOLUME	485260.264	3754970.009	529.12
LOCATION	L0003656	VOLUME	485251.674	3754970.023	529.12
LOCATION	L0003657	VOLUME	485243.084	3754970.036	529.12
LOCATION	L0003658	VOLUME	485234.495	3754970.050	529.12
LOCATION	L0003659	VOLUME	485225.905	3754970.063	529.25
LOCATION	L0003660	VOLUME	485217.315	3754970.077	529.50
LOCATION	L0003661	VOLUME	485208.725	3754970.091	529.75
LOCATION	L0003662	VOLUME	485200.135	3754970.104	530.00
LOCATION	L0003663	VOLUME	485191.545	3754970.118	530.00
LOCATION	L0003664	VOLUME	485182.955	3754970.132	530.00
LOCATION	L0003665	VOLUME	485174.365	3754970.145	530.00
LOCATION	L0003666	VOLUME	485165.775	3754970.159	530.02
LOCATION	L0003667	VOLUME	485157.185	3754970.173	530.05
LOCATION	L0003668	VOLUME	485148.595	3754970.186	530.09
LOCATION	L0003669	VOLUME	485140.005	3754970.200	530.13
LOCATION	L0003670	VOLUME	485131.415	3754970.214	530.13
LOCATION	L0003671	VOLUME	485122.825	3754970.227	530.13
LOCATION	L0003672	VOLUME	485114.235	3754970.241	530.13
LOCATION	L0003673	VOLUME	485105.645	3754970.255	530.26
LOCATION	L0003674	VOLUME	485097.055	3754970.268	530.51
LOCATION	L0003675	VOLUME	485088.465	3754970.282	530.76
LOCATION	L0003676	VOLUME	485079.875	3754970.296	531.00
LOCATION	L0003677	VOLUME	485071.285	3754970.309	531.00
LOCATION	L0003678	VOLUME	485062.695	3754970.323	531.00
LOCATION	L0003679	VOLUME	485054.105	3754970.337	531.00
LOCATION	L0003680	VOLUME	485045.515	3754970.350	531.02
LOCATION	L0003681	VOLUME	485036.925	3754970.364	531.06
LOCATION	L0003682	VOLUME	485028.335	3754970.378	531.10
LOCATION	L0003683	VOLUME	485019.745	3754970.391	531.13
LOCATION	L0003684	VOLUME	485011.155	3754970.405	531.13

LOCATION	VOLUME	SOURCE ID	SLINE3
L0003685	485002.565	3754970.419	531.13
L0003686	484993.975	3754970.432	531.14
L0003687	484985.385	3754970.446	531.27
L0003688	484976.795	3754970.460	531.52
L0003689	484968.205	3754970.473	531.77
L0003690	484959.615	3754970.487	532.00
L0003691	484951.025	3754970.501	532.04
L0003692	484942.435	3754970.514	532.08
L0003693	484933.845	3754970.528	532.12
L0003694	484925.255	3754970.541	532.14
L0003695	484916.665	3754970.555	532.14
L0003696	484908.075	3754970.569	532.14
L0003697	484899.485	3754970.582	532.14
L0003698	484890.895	3754970.596	532.14
L0003699	484882.313	3754970.427	532.14
L0003700	484873.760	3754969.635	532.11
L0003701	484865.206	3754968.843	532.08
L0003702	484856.653	3754968.051	532.06
L0003703	484848.100	3754967.259	532.03
L0003704	484839.785	3754965.527	531.97
L0003705	484831.889	3754962.143	531.90
L0003706	484823.994	3754958.760	531.88
L0003707	484815.772	3754956.417	531.94
L0003708	484807.358	3754954.685	532.06
L0003709	484798.945	3754952.953	532.21
L0003710	484790.453	3754951.776	532.34
L0003711	484781.888	3754951.117	532.46

** END OF LINE VOLUME SOURCE ID = SLINE3

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE4

** DESCRSRC 40% INBOUND/OUTBOUND DWY 1 TO SR-60/MORENO BEACH DR.

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00007773

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 14

** 484769.457, 3755016.833, 533.83, 3.49, 4.00

** 484624.615, 3755019.915, 534.83, 3.49, 4.00

** 484545.260, 3755029.160, 534.97, 3.49, 4.00

** 484437.399, 3755063.059, 534.93, 3.49, 4.00

** 484328.768, 3755112.367, 536.95, 3.49, 4.00

** 484294.098, 3755127.776, 536.94, 3.49, 4.00

** 484291.628, 3755128.293, 536.93, 3.49, 4.00

** 484223.200, 3755160.707, 537.60, 3.49, 4.00

** 484143.967, 3755193.120, 538.00, 3.49, 4.00

** 484071.937, 3755212.928, 537.93, 3.49, 4.00

** 483971.095, 3755220.131, 537.44, 3.49, 4.00

** 483717.190, 3755218.330, 536.93, 3.49, 4.00

** 483506.503, 3755223.733, 539.06, 3.49, 4.00

** 483510.104, 3755420.014, 547.91, 3.49, 4.00

**

LOCATION	L0003712	VOLUME	484765.163	3755016.924	533.68
LOCATION	L0003713	VOLUME	484756.575	3755017.107	533.69
LOCATION	L0003714	VOLUME	484747.987	3755017.290	533.70
LOCATION	L0003715	VOLUME	484739.399	3755017.472	533.70
LOCATION	L0003716	VOLUME	484730.811	3755017.655	533.71
LOCATION	L0003717	VOLUME	484722.223	3755017.838	533.72
LOCATION	L0003718	VOLUME	484713.635	3755018.021	533.78
LOCATION	L0003719	VOLUME	484705.047	3755018.203	533.86
LOCATION	L0003720	VOLUME	484696.459	3755018.386	533.94
LOCATION	L0003721	VOLUME	484687.871	3755018.569	534.00
LOCATION	L0003722	VOLUME	484679.283	3755018.751	534.00
LOCATION	L0003723	VOLUME	484670.695	3755018.934	534.00
LOCATION	L0003724	VOLUME	484662.107	3755019.117	534.00
LOCATION	L0003725	VOLUME	484653.518	3755019.300	534.17
LOCATION	L0003726	VOLUME	484644.930	3755019.482	534.39
LOCATION	L0003727	VOLUME	484636.342	3755019.665	534.61
LOCATION	L0003728	VOLUME	484627.754	3755019.848	534.78
LOCATION	L0003729	VOLUME	484619.202	3755020.545	534.81
LOCATION	L0003730	VOLUME	484610.669	3755021.539	534.84
LOCATION	L0003731	VOLUME	484602.137	3755022.533	534.87
LOCATION	L0003732	VOLUME	484593.605	3755023.527	534.90
LOCATION	L0003733	VOLUME	484585.072	3755024.521	534.94
LOCATION	L0003734	VOLUME	484576.540	3755025.516	534.97
LOCATION	L0003735	VOLUME	484568.008	3755026.510	535.00
LOCATION	L0003736	VOLUME	484559.476	3755027.504	535.00
LOCATION	L0003737	VOLUME	484550.943	3755028.498	535.00
LOCATION	L0003738	VOLUME	484542.524	3755030.020	535.00
LOCATION	L0003739	VOLUME	484534.329	3755032.595	535.00
LOCATION	L0003740	VOLUME	484526.134	3755035.171	535.00
LOCATION	L0003741	VOLUME	484517.939	3755037.746	535.00
LOCATION	L0003742	VOLUME	484509.745	3755040.322	535.00
LOCATION	L0003743	VOLUME	484501.550	3755042.897	535.00
LOCATION	L0003744	VOLUME	484493.355	3755045.473	535.00
LOCATION	L0003745	VOLUME	484485.160	3755048.048	535.00
LOCATION	L0003746	VOLUME	484476.965	3755050.624	535.00
LOCATION	L0003747	VOLUME	484468.770	3755053.199	535.00
LOCATION	L0003748	VOLUME	484460.576	3755055.775	535.00
LOCATION	L0003749	VOLUME	484452.381	3755058.351	535.07
LOCATION	L0003750	VOLUME	484444.186	3755060.926	535.15
LOCATION	L0003751	VOLUME	484436.055	3755063.669	535.24
LOCATION	L0003752	VOLUME	484428.233	3755067.219	535.36
LOCATION	L0003753	VOLUME	484420.411	3755070.770	535.48
LOCATION	L0003754	VOLUME	484412.589	3755074.320	535.60
LOCATION	L0003755	VOLUME	484404.768	3755077.871	535.72
LOCATION	L0003756	VOLUME	484396.946	3755081.421	535.83
LOCATION	L0003757	VOLUME	484389.124	3755084.971	535.95

LOCATION	L0003758	VOLUME	484381.302	3755088.522	536.07
LOCATION	L0003759	VOLUME	484373.480	3755092.072	536.19
LOCATION	L0003760	VOLUME	484365.658	3755095.623	536.31
LOCATION	L0003761	VOLUME	484357.836	3755099.173	536.43
LOCATION	L0003762	VOLUME	484350.014	3755102.723	536.54
LOCATION	L0003763	VOLUME	484342.192	3755106.274	536.66
LOCATION	L0003764	VOLUME	484334.370	3755109.824	536.78
LOCATION	L0003765	VOLUME	484326.540	3755113.357	536.90
LOCATION	L0003766	VOLUME	484318.691	3755116.846	537.00
LOCATION	L0003767	VOLUME	484310.841	3755120.334	537.00
LOCATION	L0003768	VOLUME	484302.991	3755123.823	537.00
LOCATION	L0003769	VOLUME	484295.142	3755127.312	537.00
LOCATION	L0003770	VOLUME	484287.178	3755130.401	537.00
LOCATION	L0003771	VOLUME	484279.415	3755134.078	537.00
LOCATION	L0003772	VOLUME	484271.651	3755137.756	537.00
LOCATION	L0003773	VOLUME	484263.888	3755141.433	537.00
LOCATION	L0003774	VOLUME	484256.125	3755145.110	537.00
LOCATION	L0003775	VOLUME	484248.362	3755148.787	537.08
LOCATION	L0003776	VOLUME	484240.599	3755152.465	537.20
LOCATION	L0003777	VOLUME	484232.836	3755156.142	537.33
LOCATION	L0003778	VOLUME	484225.073	3755159.819	537.45
LOCATION	L0003779	VOLUME	484217.168	3755163.174	537.56
LOCATION	L0003780	VOLUME	484209.217	3755166.427	537.67
LOCATION	L0003781	VOLUME	484201.267	3755169.679	537.78
LOCATION	L0003782	VOLUME	484193.316	3755172.932	537.88
LOCATION	L0003783	VOLUME	484185.366	3755176.184	537.99
LOCATION	L0003784	VOLUME	484177.415	3755179.436	538.00
LOCATION	L0003785	VOLUME	484169.465	3755182.689	538.00
LOCATION	L0003786	VOLUME	484161.514	3755185.941	538.00
LOCATION	L0003787	VOLUME	484153.564	3755189.194	538.00
LOCATION	L0003788	VOLUME	484145.614	3755192.446	538.00
LOCATION	L0003789	VOLUME	484137.400	3755194.926	538.00
LOCATION	L0003790	VOLUME	484129.117	3755197.204	538.00
LOCATION	L0003791	VOLUME	484120.835	3755199.481	538.00
LOCATION	L0003792	VOLUME	484112.552	3755201.759	537.96
LOCATION	L0003793	VOLUME	484104.270	3755204.037	537.96
LOCATION	L0003794	VOLUME	484095.987	3755206.314	538.00
LOCATION	L0003795	VOLUME	484087.705	3755208.592	538.07
LOCATION	L0003796	VOLUME	484079.422	3755210.870	538.15
LOCATION	L0003797	VOLUME	484071.112	3755212.987	538.22
LOCATION	L0003798	VOLUME	484062.544	3755213.599	538.24
LOCATION	L0003799	VOLUME	484053.976	3755214.211	538.26
LOCATION	L0003800	VOLUME	484045.408	3755214.823	538.28
LOCATION	L0003801	VOLUME	484036.839	3755215.435	538.30
LOCATION	L0003802	VOLUME	484028.271	3755216.047	538.30
LOCATION	L0003803	VOLUME	484019.703	3755216.659	538.22
LOCATION	L0003804	VOLUME	484011.135	3755217.271	538.13
LOCATION	L0003805	VOLUME	484002.567	3755217.883	538.03
LOCATION	L0003806	VOLUME	483993.999	3755218.495	537.88
LOCATION	L0003807	VOLUME	483985.430	3755219.107	537.72

LOCATION	L0003808	VOLUME	483976.862	3755219.719	537.57
LOCATION	L0003809	VOLUME	483968.287	3755220.111	537.46
LOCATION	L0003810	VOLUME	483959.697	3755220.050	537.46
LOCATION	L0003811	VOLUME	483951.107	3755219.989	537.45
LOCATION	L0003812	VOLUME	483942.518	3755219.928	537.45
LOCATION	L0003813	VOLUME	483933.928	3755219.868	537.45
LOCATION	L0003814	VOLUME	483925.338	3755219.807	537.45
LOCATION	L0003815	VOLUME	483916.748	3755219.746	537.45
LOCATION	L0003816	VOLUME	483908.159	3755219.685	537.44
LOCATION	L0003817	VOLUME	483899.569	3755219.624	537.44
LOCATION	L0003818	VOLUME	483890.979	3755219.563	537.44
LOCATION	L0003819	VOLUME	483882.389	3755219.502	537.44
LOCATION	L0003820	VOLUME	483873.799	3755219.441	537.44
LOCATION	L0003821	VOLUME	483865.210	3755219.380	537.43
LOCATION	L0003822	VOLUME	483856.620	3755219.319	537.43
LOCATION	L0003823	VOLUME	483848.030	3755219.258	537.40
LOCATION	L0003824	VOLUME	483839.440	3755219.197	537.28
LOCATION	L0003825	VOLUME	483830.850	3755219.137	537.15
LOCATION	L0003826	VOLUME	483822.261	3755219.076	537.03
LOCATION	L0003827	VOLUME	483813.671	3755219.015	536.88
LOCATION	L0003828	VOLUME	483805.081	3755218.954	536.71
LOCATION	L0003829	VOLUME	483796.491	3755218.893	536.54
LOCATION	L0003830	VOLUME	483787.902	3755218.832	536.46
LOCATION	L0003831	VOLUME	483779.312	3755218.771	536.62
LOCATION	L0003832	VOLUME	483770.722	3755218.710	536.79
LOCATION	L0003833	VOLUME	483762.132	3755218.649	536.96
LOCATION	L0003834	VOLUME	483753.542	3755218.588	537.00
LOCATION	L0003835	VOLUME	483744.953	3755218.527	537.00
LOCATION	L0003836	VOLUME	483736.363	3755218.466	537.00
LOCATION	L0003837	VOLUME	483727.773	3755218.405	537.00
LOCATION	L0003838	VOLUME	483719.183	3755218.345	537.00
LOCATION	L0003839	VOLUME	483710.596	3755218.500	537.00
LOCATION	L0003840	VOLUME	483702.008	3755218.720	537.00
LOCATION	L0003841	VOLUME	483693.421	3755218.940	537.00
LOCATION	L0003842	VOLUME	483684.834	3755219.160	537.00
LOCATION	L0003843	VOLUME	483676.247	3755219.380	537.00
LOCATION	L0003844	VOLUME	483667.660	3755219.600	537.08
LOCATION	L0003845	VOLUME	483659.072	3755219.821	537.37
LOCATION	L0003846	VOLUME	483650.485	3755220.041	537.65
LOCATION	L0003847	VOLUME	483641.898	3755220.261	537.94
LOCATION	L0003848	VOLUME	483633.311	3755220.481	538.12
LOCATION	L0003849	VOLUME	483624.724	3755220.701	538.27
LOCATION	L0003850	VOLUME	483616.137	3755220.922	538.41
LOCATION	L0003851	VOLUME	483607.549	3755221.142	538.59
LOCATION	L0003852	VOLUME	483598.962	3755221.362	538.87
LOCATION	L0003853	VOLUME	483590.375	3755221.582	539.16
LOCATION	L0003854	VOLUME	483581.788	3755221.802	539.45
LOCATION	L0003855	VOLUME	483573.201	3755222.022	539.40
LOCATION	L0003856	VOLUME	483564.613	3755222.243	539.26
LOCATION	L0003857	VOLUME	483556.026	3755222.463	539.11

LOCATION L0003858	VOLUME	483547.439	3755222.683	539.00
LOCATION L0003859	VOLUME	483538.852	3755222.903	539.00
LOCATION L0003860	VOLUME	483530.265	3755223.123	539.00
LOCATION L0003861	VOLUME	483521.678	3755223.344	539.00
LOCATION L0003862	VOLUME	483513.090	3755223.564	539.00
LOCATION L0003863	VOLUME	483506.539	3755225.733	539.00
LOCATION L0003864	VOLUME	483506.697	3755234.321	539.00
LOCATION L0003865	VOLUME	483506.855	3755242.910	539.31
LOCATION L0003866	VOLUME	483507.012	3755251.498	539.72
LOCATION L0003867	VOLUME	483507.170	3755260.087	540.13
LOCATION L0003868	VOLUME	483507.327	3755268.675	540.54
LOCATION L0003869	VOLUME	483507.485	3755277.264	540.99
LOCATION L0003870	VOLUME	483507.643	3755285.852	541.44
LOCATION L0003871	VOLUME	483507.800	3755294.441	541.90
LOCATION L0003872	VOLUME	483507.958	3755303.029	542.31
LOCATION L0003873	VOLUME	483508.115	3755311.618	542.71
LOCATION L0003874	VOLUME	483508.273	3755320.207	543.10
LOCATION L0003875	VOLUME	483508.431	3755328.795	543.71
LOCATION L0003876	VOLUME	483508.588	3755337.384	544.85
LOCATION L0003877	VOLUME	483508.746	3755345.972	545.99
LOCATION L0003878	VOLUME	483508.903	3755354.561	547.13
LOCATION L0003879	VOLUME	483509.061	3755363.149	547.59
LOCATION L0003880	VOLUME	483509.218	3755371.738	547.87
LOCATION L0003881	VOLUME	483509.376	3755380.326	548.15
LOCATION L0003882	VOLUME	483509.534	3755388.915	548.32
LOCATION L0003883	VOLUME	483509.691	3755397.504	548.22
LOCATION L0003884	VOLUME	483509.849	3755406.092	548.12
LOCATION L0003885	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

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001779

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 484777.829, 3755018.448, 533.85, 3.49, 4.00

** 485514.334, 3755022.049, 528.87, 3.49, 4.00

** 485510.733, 3755198.522, 532.87, 3.49, 4.00

**

LOCATION L0003886	VOLUME	484782.124	3755018.469	533.74
LOCATION L0003887	VOLUME	484790.714	3755018.511	533.74
LOCATION L0003888	VOLUME	484799.304	3755018.553	533.74
LOCATION L0003889	VOLUME	484807.894	3755018.595	533.74
LOCATION L0003890	VOLUME	484816.484	3755018.637	533.74
LOCATION L0003891	VOLUME	484825.074	3755018.679	533.74

LOCATION	L0003892	VOLUME	484833.664	3755018.721	533.74
LOCATION	L0003893	VOLUME	484842.254	3755018.763	533.75
LOCATION	L0003894	VOLUME	484850.843	3755018.805	533.75
LOCATION	L0003895	VOLUME	484859.433	3755018.847	533.75
LOCATION	L0003896	VOLUME	484868.023	3755018.889	533.75
LOCATION	L0003897	VOLUME	484876.613	3755018.931	533.59
LOCATION	L0003898	VOLUME	484885.203	3755018.973	533.37
LOCATION	L0003899	VOLUME	484893.793	3755019.015	533.16
LOCATION	L0003900	VOLUME	484902.383	3755019.057	533.00
LOCATION	L0003901	VOLUME	484910.973	3755019.099	533.00
LOCATION	L0003902	VOLUME	484919.563	3755019.141	533.00
LOCATION	L0003903	VOLUME	484928.152	3755019.183	533.00
LOCATION	L0003904	VOLUME	484936.742	3755019.225	532.95
LOCATION	L0003905	VOLUME	484945.332	3755019.267	532.88
LOCATION	L0003906	VOLUME	484953.922	3755019.309	532.81
LOCATION	L0003907	VOLUME	484962.512	3755019.351	532.77
LOCATION	L0003908	VOLUME	484971.102	3755019.393	532.77
LOCATION	L0003909	VOLUME	484979.692	3755019.435	532.77
LOCATION	L0003910	VOLUME	484988.282	3755019.477	532.77
LOCATION	L0003911	VOLUME	484996.872	3755019.519	532.77
LOCATION	L0003912	VOLUME	485005.462	3755019.561	532.77
LOCATION	L0003913	VOLUME	485014.051	3755019.603	532.77
LOCATION	L0003914	VOLUME	485022.641	3755019.645	532.69
LOCATION	L0003915	VOLUME	485031.231	3755019.687	532.41
LOCATION	L0003916	VOLUME	485039.821	3755019.729	532.12
LOCATION	L0003917	VOLUME	485048.411	3755019.771	531.84
LOCATION	L0003918	VOLUME	485057.001	3755019.813	531.78
LOCATION	L0003919	VOLUME	485065.591	3755019.855	531.78
LOCATION	L0003920	VOLUME	485074.181	3755019.897	531.78
LOCATION	L0003921	VOLUME	485082.771	3755019.939	531.79
LOCATION	L0003922	VOLUME	485091.361	3755019.981	531.79
LOCATION	L0003923	VOLUME	485099.950	3755020.023	531.79
LOCATION	L0003924	VOLUME	485108.540	3755020.065	531.79
LOCATION	L0003925	VOLUME	485117.130	3755020.107	531.61
LOCATION	L0003926	VOLUME	485125.720	3755020.149	531.38
LOCATION	L0003927	VOLUME	485134.310	3755020.191	531.15
LOCATION	L0003928	VOLUME	485142.900	3755020.233	530.98
LOCATION	L0003929	VOLUME	485151.490	3755020.275	530.92
LOCATION	L0003930	VOLUME	485160.080	3755020.317	530.87
LOCATION	L0003931	VOLUME	485168.670	3755020.359	530.81
LOCATION	L0003932	VOLUME	485177.260	3755020.401	530.80
LOCATION	L0003933	VOLUME	485185.849	3755020.443	530.80
LOCATION	L0003934	VOLUME	485194.439	3755020.485	530.80
LOCATION	L0003935	VOLUME	485203.029	3755020.527	530.81
LOCATION	L0003936	VOLUME	485211.619	3755020.569	530.81
LOCATION	L0003937	VOLUME	485220.209	3755020.611	530.81
LOCATION	L0003938	VOLUME	485228.799	3755020.653	530.81
LOCATION	L0003939	VOLUME	485237.389	3755020.695	530.61
LOCATION	L0003940	VOLUME	485245.979	3755020.737	530.38
LOCATION	L0003941	VOLUME	485254.569	3755020.779	530.15

LOCATION	L0003942	VOLUME	485263.158	3755020.821	529.98
LOCATION	L0003943	VOLUME	485271.748	3755020.863	529.93
LOCATION	L0003944	VOLUME	485280.338	3755020.905	529.88
LOCATION	L0003945	VOLUME	485288.928	3755020.947	529.83
LOCATION	L0003946	VOLUME	485297.518	3755020.989	529.82
LOCATION	L0003947	VOLUME	485306.108	3755021.031	529.82
LOCATION	L0003948	VOLUME	485314.698	3755021.073	529.82
LOCATION	L0003949	VOLUME	485323.288	3755021.115	529.82
LOCATION	L0003950	VOLUME	485331.878	3755021.157	529.83
LOCATION	L0003951	VOLUME	485340.468	3755021.199	529.83
LOCATION	L0003952	VOLUME	485349.057	3755021.241	529.83
LOCATION	L0003953	VOLUME	485357.647	3755021.283	529.62
LOCATION	L0003954	VOLUME	485366.237	3755021.325	529.38
LOCATION	L0003955	VOLUME	485374.827	3755021.367	529.15
LOCATION	L0003956	VOLUME	485383.417	3755021.409	528.98
LOCATION	L0003957	VOLUME	485392.007	3755021.451	528.93
LOCATION	L0003958	VOLUME	485400.597	3755021.493	528.89
LOCATION	L0003959	VOLUME	485409.187	3755021.535	528.84
LOCATION	L0003960	VOLUME	485417.777	3755021.577	528.84
LOCATION	L0003961	VOLUME	485426.367	3755021.619	528.84
LOCATION	L0003962	VOLUME	485434.956	3755021.661	528.84
LOCATION	L0003963	VOLUME	485443.546	3755021.703	528.84
LOCATION	L0003964	VOLUME	485452.136	3755021.745	528.85
LOCATION	L0003965	VOLUME	485460.726	3755021.787	528.85
LOCATION	L0003966	VOLUME	485469.316	3755021.829	528.85
LOCATION	L0003967	VOLUME	485477.906	3755021.871	528.85
LOCATION	L0003968	VOLUME	485486.496	3755021.913	528.85
LOCATION	L0003969	VOLUME	485495.086	3755021.955	528.85
LOCATION	L0003970	VOLUME	485503.676	3755021.997	528.85
LOCATION	L0003971	VOLUME	485512.266	3755022.039	528.86
LOCATION	L0003972	VOLUME	485514.201	3755028.569	529.00
LOCATION	L0003973	VOLUME	485514.026	3755037.157	529.00
LOCATION	L0003974	VOLUME	485513.851	3755045.745	529.00
LOCATION	L0003975	VOLUME	485513.675	3755054.334	529.00
LOCATION	L0003976	VOLUME	485513.500	3755062.922	529.22
LOCATION	L0003977	VOLUME	485513.325	3755071.510	529.50
LOCATION	L0003978	VOLUME	485513.150	3755080.098	529.79
LOCATION	L0003979	VOLUME	485512.974	3755088.686	530.08
LOCATION	L0003980	VOLUME	485512.799	3755097.275	530.36
LOCATION	L0003981	VOLUME	485512.624	3755105.863	530.65
LOCATION	L0003982	VOLUME	485512.449	3755114.451	530.94
LOCATION	L0003983	VOLUME	485512.273	3755123.039	531.09
LOCATION	L0003984	VOLUME	485512.098	3755131.627	531.20
LOCATION	L0003985	VOLUME	485511.923	3755140.216	531.31
LOCATION	L0003986	VOLUME	485511.747	3755148.804	531.44
LOCATION	L0003987	VOLUME	485511.572	3755157.392	531.61
LOCATION	L0003988	VOLUME	485511.397	3755165.980	531.78
LOCATION	L0003989	VOLUME	485511.222	3755174.569	531.96
LOCATION	L0003990	VOLUME	485511.046	3755183.157	532.23
LOCATION	L0003991	VOLUME	485510.871	3755191.745	532.51

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** END OF LINE VOLUME SOURCE ID = SLINE5
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** 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 = 0.00002965
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 484777.829, 3755018.448, 533.85, 3.49, 4.00
** 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	VOLUME	VOLUME	VOLUME	VOLUME
L0003992	484782.124	3755018.469	533.74	
L0003993	484790.714	3755018.511	533.74	
L0003994	484799.304	3755018.553	533.74	
L0003995	484807.894	3755018.595	533.74	
L0003996	484816.484	3755018.637	533.74	
L0003997	484825.074	3755018.679	533.74	
L0003998	484833.664	3755018.721	533.74	
L0003999	484842.254	3755018.763	533.75	
L0004000	484850.843	3755018.805	533.75	
L0004001	484859.433	3755018.847	533.75	
L0004002	484868.023	3755018.889	533.75	
L0004003	484876.613	3755018.931	533.59	
L0004004	484885.203	3755018.973	533.37	
L0004005	484893.793	3755019.015	533.16	
L0004006	484902.383	3755019.057	533.00	
L0004007	484910.973	3755019.099	533.00	
L0004008	484919.563	3755019.141	533.00	
L0004009	484928.152	3755019.183	533.00	
L0004010	484936.742	3755019.225	532.95	
L0004011	484945.332	3755019.267	532.88	
L0004012	484953.922	3755019.309	532.81	
L0004013	484962.512	3755019.351	532.77	
L0004014	484971.102	3755019.393	532.77	
L0004015	484979.692	3755019.435	532.77	
L0004016	484988.282	3755019.477	532.77	
L0004017	484996.872	3755019.519	532.77	
L0004018	485005.462	3755019.561	532.77	
L0004019	485014.051	3755019.603	532.77	
L0004020	485022.641	3755019.645	532.69	
L0004021	485031.231	3755019.687	532.41	
L0004022	485039.821	3755019.729	532.12	
L0004023	485048.411	3755019.771	531.84	
L0004024	485057.001	3755019.813	531.78	
L0004025	485065.591	3755019.855	531.78	

LOCATION	L0004026	VOLUME	485074.181	3755019.897	531.78
LOCATION	L0004027	VOLUME	485082.771	3755019.939	531.79
LOCATION	L0004028	VOLUME	485091.361	3755019.981	531.79
LOCATION	L0004029	VOLUME	485099.950	3755020.023	531.79
LOCATION	L0004030	VOLUME	485108.540	3755020.065	531.79
LOCATION	L0004031	VOLUME	485117.130	3755020.107	531.61
LOCATION	L0004032	VOLUME	485125.720	3755020.149	531.38
LOCATION	L0004033	VOLUME	485134.310	3755020.191	531.15
LOCATION	L0004034	VOLUME	485142.900	3755020.233	530.98
LOCATION	L0004035	VOLUME	485151.490	3755020.275	530.92
LOCATION	L0004036	VOLUME	485160.080	3755020.317	530.87
LOCATION	L0004037	VOLUME	485168.670	3755020.359	530.81
LOCATION	L0004038	VOLUME	485177.260	3755020.401	530.80
LOCATION	L0004039	VOLUME	485185.849	3755020.443	530.80
LOCATION	L0004040	VOLUME	485194.439	3755020.485	530.80
LOCATION	L0004041	VOLUME	485203.029	3755020.527	530.81
LOCATION	L0004042	VOLUME	485211.619	3755020.569	530.81
LOCATION	L0004043	VOLUME	485220.209	3755020.611	530.81
LOCATION	L0004044	VOLUME	485228.799	3755020.653	530.81
LOCATION	L0004045	VOLUME	485237.389	3755020.695	530.61
LOCATION	L0004046	VOLUME	485245.979	3755020.737	530.38
LOCATION	L0004047	VOLUME	485254.569	3755020.779	530.15
LOCATION	L0004048	VOLUME	485263.158	3755020.821	529.98
LOCATION	L0004049	VOLUME	485271.748	3755020.863	529.93
LOCATION	L0004050	VOLUME	485280.338	3755020.905	529.88
LOCATION	L0004051	VOLUME	485288.928	3755020.947	529.83
LOCATION	L0004052	VOLUME	485297.518	3755020.989	529.82
LOCATION	L0004053	VOLUME	485306.108	3755021.031	529.82
LOCATION	L0004054	VOLUME	485314.698	3755021.073	529.82
LOCATION	L0004055	VOLUME	485323.288	3755021.115	529.82
LOCATION	L0004056	VOLUME	485331.878	3755021.157	529.83
LOCATION	L0004057	VOLUME	485340.468	3755021.199	529.83
LOCATION	L0004058	VOLUME	485349.057	3755021.241	529.83
LOCATION	L0004059	VOLUME	485357.647	3755021.283	529.62
LOCATION	L0004060	VOLUME	485366.237	3755021.325	529.38
LOCATION	L0004061	VOLUME	485374.827	3755021.367	529.15
LOCATION	L0004062	VOLUME	485383.417	3755021.409	528.98
LOCATION	L0004063	VOLUME	485392.007	3755021.451	528.93
LOCATION	L0004064	VOLUME	485400.597	3755021.493	528.89
LOCATION	L0004065	VOLUME	485409.187	3755021.535	528.84
LOCATION	L0004066	VOLUME	485417.777	3755021.577	528.84
LOCATION	L0004067	VOLUME	485426.367	3755021.619	528.84
LOCATION	L0004068	VOLUME	485434.956	3755021.661	528.84
LOCATION	L0004069	VOLUME	485443.546	3755021.703	528.84
LOCATION	L0004070	VOLUME	485452.136	3755021.745	528.85
LOCATION	L0004071	VOLUME	485460.726	3755021.787	528.85
LOCATION	L0004072	VOLUME	485469.316	3755021.829	528.85
LOCATION	L0004073	VOLUME	485477.906	3755021.871	528.85
LOCATION	L0004074	VOLUME	485486.496	3755021.913	528.85
LOCATION	L0004075	VOLUME	485495.086	3755021.955	528.85

LOCATION L0004076	VOLUME	485503.676	3755021.997	528.85
LOCATION L0004077	VOLUME	485512.266	3755022.039	528.86
LOCATION L0004078	VOLUME	485514.201	3755028.569	529.00
LOCATION L0004079	VOLUME	485514.026	3755037.157	529.00
LOCATION L0004080	VOLUME	485513.851	3755045.745	529.00
LOCATION L0004081	VOLUME	485513.675	3755054.334	529.00
LOCATION L0004082	VOLUME	485513.500	3755062.922	529.22
LOCATION L0004083	VOLUME	485513.325	3755071.510	529.50
LOCATION L0004084	VOLUME	485513.150	3755080.098	529.79
LOCATION L0004085	VOLUME	485512.974	3755088.686	530.08
LOCATION L0004086	VOLUME	485512.799	3755097.275	530.36
LOCATION L0004087	VOLUME	485512.624	3755105.863	530.65
LOCATION L0004088	VOLUME	485512.449	3755114.451	530.94
LOCATION L0004089	VOLUME	485512.273	3755123.039	531.09
LOCATION L0004090	VOLUME	485512.098	3755131.627	531.20
LOCATION L0004091	VOLUME	485511.923	3755140.216	531.31
LOCATION L0004092	VOLUME	485511.747	3755148.804	531.44
LOCATION L0004093	VOLUME	485511.572	3755157.392	531.61
LOCATION L0004094	VOLUME	485511.397	3755165.980	531.78
LOCATION L0004095	VOLUME	485511.222	3755174.569	531.96
LOCATION L0004096	VOLUME	485511.046	3755183.157	532.23
LOCATION L0004097	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 = 4.972E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 4

** 485402.321, 3755019.754, 528.85, 0.00, 4.00

** 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

**

LOCATION L0004098	VOLUME	485406.615	3755019.842	528.81
LOCATION L0004099	VOLUME	485415.203	3755020.018	528.79
LOCATION L0004100	VOLUME	485423.792	3755020.194	528.79
LOCATION L0004101	VOLUME	485432.380	3755020.370	528.80
LOCATION L0004102	VOLUME	485440.968	3755020.546	528.81
LOCATION L0004103	VOLUME	485449.556	3755020.722	528.81
LOCATION L0004104	VOLUME	485458.144	3755020.898	528.82
LOCATION L0004105	VOLUME	485466.733	3755021.074	528.82
LOCATION L0004106	VOLUME	485475.321	3755021.250	528.83
LOCATION L0004107	VOLUME	485483.909	3755021.426	528.84
LOCATION L0004108	VOLUME	485492.497	3755021.602	528.84

LOCATION	L0004109	VOLUME	485501.085	3755021.778	528.85
LOCATION	L0004110	VOLUME	485509.674	3755021.954	528.85
LOCATION	L0004111	VOLUME	485514.314	3755025.977	528.99
LOCATION	L0004112	VOLUME	485514.270	3755034.567	529.00
LOCATION	L0004113	VOLUME	485514.226	3755043.157	529.00
LOCATION	L0004114	VOLUME	485514.181	3755051.747	529.00
LOCATION	L0004115	VOLUME	485514.137	3755060.337	529.13
LOCATION	L0004116	VOLUME	485514.093	3755068.927	529.42
LOCATION	L0004117	VOLUME	485514.049	3755077.517	529.71
LOCATION	L0004118	VOLUME	485514.004	3755086.107	529.99
LOCATION	L0004119	VOLUME	485513.960	3755094.696	530.28
LOCATION	L0004120	VOLUME	485513.916	3755103.286	530.56
LOCATION	L0004121	VOLUME	485513.872	3755111.876	530.85
LOCATION	L0004122	VOLUME	485513.827	3755120.466	531.06
LOCATION	L0004123	VOLUME	485513.783	3755129.056	531.19
LOCATION	L0004124	VOLUME	485513.739	3755137.646	531.32
LOCATION	L0004125	VOLUME	485513.694	3755146.236	531.45
LOCATION	L0004126	VOLUME	485513.650	3755154.826	531.61
LOCATION	L0004127	VOLUME	485513.606	3755163.416	531.76
LOCATION	L0004128	VOLUME	485513.562	3755172.005	531.92
LOCATION	L0004129	VOLUME	485513.517	3755180.595	532.14
LOCATION	L0004130	VOLUME	485513.473	3755189.185	532.43
LOCATION	L0004131	VOLUME	485513.429	3755197.775	532.71
LOCATION	L0004132	VOLUME	485513.385	3755206.365	533.00
LOCATION	L0004133	VOLUME	485513.340	3755214.955	533.57
LOCATION	L0004134	VOLUME	485513.296	3755223.545	534.15
LOCATION	L0004135	VOLUME	485513.252	3755232.135	534.72
LOCATION	L0004136	VOLUME	485513.208	3755240.724	535.15
LOCATION	L0004137	VOLUME	485513.163	3755249.314	535.43
LOCATION	L0004138	VOLUME	485513.119	3755257.904	535.72
LOCATION	L0004139	VOLUME	485513.075	3755266.494	536.00
LOCATION	L0004140	VOLUME	485513.031	3755275.084	536.00
LOCATION	L0004141	VOLUME	485512.986	3755283.674	536.00
LOCATION	L0004142	VOLUME	485512.942	3755292.264	536.00
LOCATION	L0004143	VOLUME	485513.005	3755300.853	536.00
LOCATION	L0004144	VOLUME	485513.103	3755309.443	536.00
LOCATION	L0004145	VOLUME	485513.200	3755318.032	536.00
LOCATION	L0004146	VOLUME	485513.298	3755326.622	536.00
LOCATION	L0004147	VOLUME	485513.396	3755335.211	536.13
LOCATION	L0004148	VOLUME	485513.494	3755343.801	536.26
LOCATION	L0004149	VOLUME	485513.591	3755352.390	536.39
LOCATION	L0004150	VOLUME	485513.689	3755360.979	536.54
LOCATION	L0004151	VOLUME	485513.787	3755369.569	536.70
LOCATION	L0004152	VOLUME	485513.884	3755378.158	536.85
LOCATION	L0004153	VOLUME	485513.982	3755386.748	537.01
LOCATION	L0004154	VOLUME	485514.080	3755395.337	537.30
LOCATION	L0004155	VOLUME	485514.177	3755403.927	537.59
LOCATION	L0004156	VOLUME	485514.275	3755412.516	537.87
LOCATION	L0004157	VOLUME	485514.373	3755421.106	538.08
LOCATION	L0004158	VOLUME	485514.471	3755429.695	538.23

LOCATION	VOLUME				
L0004159	485514.568	3755438.284	538.38		
L0004160	485514.666	3755446.874	538.52		
L0004161	485514.764	3755455.463	538.66		
L0004162	485514.861	3755464.053	538.80		
L0004163	485514.959	3755472.642	538.94		
L0004164	485515.057	3755481.232	539.16		
L0004165	485515.154	3755489.821	539.45		
L0004166	485515.252	3755498.411	539.74		
L0004167	485515.350	3755507.000	540.02		
L0004168	485515.448	3755515.589	540.31		
L0004169	485515.545	3755524.179	540.59		
L0004170	485515.643	3755532.768	540.88		
L0004171	485515.741	3755541.358	541.00		
L0004172	485515.838	3755549.947	541.00		
L0004173	485515.936	3755558.537	541.00		
L0004174	485516.034	3755567.126	541.03		
L0004175	485516.131	3755575.716	541.31		
L0004176	485516.229	3755584.305	541.60		
L0004177	485516.327	3755592.894	541.88		
L0004178	485516.425	3755601.484	542.17		
L0004179	485516.522	3755610.073	542.46		
L0004180	485516.620	3755618.663	542.74		
L0004181	485516.718	3755627.252	543.03		
L0004182	485516.815	3755635.842	543.32		
L0004183	485516.913	3755644.431	543.60		
L0004184	485517.011	3755653.021	543.89		
L0004185	485517.108	3755661.610	544.00		
L0004186	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

** CONFIGURATION = ADJACENT

** EMISSION RATE = 9.312E-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

**

LOCATION	VOLUME				
L0004187	485512.451	3754718.998	521.75		
L0004188	485512.451	3754727.588	522.02		
L0004189	485512.451	3754736.178	522.19		
L0004190	485512.451	3754744.768	522.36		
L0004191	485512.451	3754753.358	522.53		
L0004192	485512.451	3754761.948	522.67		
L0004193	485512.451	3754770.538	522.78		

LOCATION L0004194	VOLUME	485512.451	3754779.128	522.90
LOCATION L0004195	VOLUME	485512.451	3754787.718	523.05
LOCATION L0004196	VOLUME	485512.451	3754796.308	523.33
LOCATION L0004197	VOLUME	485512.451	3754804.898	523.62
LOCATION L0004198	VOLUME	485512.451	3754813.488	523.90
LOCATION L0004199	VOLUME	485512.451	3754822.078	524.19
LOCATION L0004200	VOLUME	485512.451	3754830.668	524.48
LOCATION L0004201	VOLUME	485512.451	3754839.258	524.76
LOCATION L0004202	VOLUME	485512.451	3754847.848	525.00
LOCATION L0004203	VOLUME	485512.451	3754856.438	525.00
LOCATION L0004204	VOLUME	485512.451	3754865.028	525.00
LOCATION L0004205	VOLUME	485512.451	3754873.618	525.00
LOCATION L0004206	VOLUME	485512.451	3754882.208	525.19
LOCATION L0004207	VOLUME	485512.451	3754890.798	525.48
LOCATION L0004208	VOLUME	485512.451	3754899.388	525.77
LOCATION L0004209	VOLUME	485512.451	3754907.978	526.05
LOCATION L0004210	VOLUME	485512.451	3754916.568	526.34
LOCATION L0004211	VOLUME	485512.451	3754925.158	526.63
LOCATION L0004212	VOLUME	485512.451	3754933.748	526.91
LOCATION L0004213	VOLUME	485512.451	3754942.338	527.00
LOCATION L0004214	VOLUME	485512.451	3754950.928	527.00
LOCATION L0004215	VOLUME	485512.451	3754959.518	527.00
LOCATION L0004216	VOLUME	485512.451	3754968.108	527.06
LOCATION L0004217	VOLUME	485512.451	3754976.698	527.34
LOCATION L0004218	VOLUME	485512.451	3754985.288	527.63
LOCATION L0004219	VOLUME	485512.451	3754993.878	527.92
LOCATION L0004220	VOLUME	485512.451	3755002.468	528.20
LOCATION L0004221	VOLUME	485512.451	3755011.058	528.49
LOCATION L0004222	VOLUME	485512.451	3755019.648	528.78
LOCATION L0004223	VOLUME	485512.451	3755028.238	529.00
LOCATION L0004224	VOLUME	485512.451	3755036.828	529.00
LOCATION L0004225	VOLUME	485512.451	3755045.418	529.00
LOCATION L0004226	VOLUME	485512.451	3755054.008	529.00
LOCATION L0004227	VOLUME	485512.451	3755062.598	529.21
LOCATION L0004228	VOLUME	485512.451	3755071.188	529.49
LOCATION L0004229	VOLUME	485512.451	3755079.778	529.78
LOCATION L0004230	VOLUME	485512.451	3755088.368	530.07
LOCATION L0004231	VOLUME	485512.451	3755096.958	530.35
LOCATION L0004232	VOLUME	485512.451	3755105.548	530.64
LOCATION L0004233	VOLUME	485512.451	3755114.138	530.93
LOCATION L0004234	VOLUME	485512.451	3755122.728	531.09
LOCATION L0004235	VOLUME	485512.451	3755131.318	531.21
LOCATION L0004236	VOLUME	485512.451	3755139.908	531.32
LOCATION L0004237	VOLUME	485512.451	3755148.498	531.45
LOCATION L0004238	VOLUME	485512.451	3755157.088	531.62
LOCATION L0004239	VOLUME	485512.451	3755165.678	531.79
LOCATION L0004240	VOLUME	485512.451	3755174.268	531.96
LOCATION L0004241	VOLUME	485512.451	3755182.858	532.22
LOCATION L0004242	VOLUME	485512.451	3755191.448	532.50

** END OF LINE VOLUME SOURCE ID = SLINE6

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** -----
** 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 = 3.053E-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	VOLUME	VOLUME	VOLUME	VOLUME
L0004243	485510.904	3755207.999	533.11	
L0004244	485511.006	3755216.588	533.68	
L0004245	485511.108	3755225.177	534.25	
L0004246	485511.210	3755233.767	534.83	
L0004247	485511.313	3755242.356	535.20	
L0004248	485511.415	3755250.946	535.49	
L0004249	485511.517	3755259.535	535.77	
L0004250	485511.619	3755268.124	536.00	
L0004251	485511.722	3755276.714	536.00	
L0004252	485511.824	3755285.303	536.00	
L0004253	485511.926	3755293.893	536.00	
L0004254	485512.029	3755302.482	536.00	
L0004255	485512.131	3755311.071	536.00	
L0004256	485512.233	3755319.661	536.00	
L0004257	485512.335	3755328.250	536.03	
L0004258	485512.438	3755336.839	536.14	
L0004259	485512.540	3755345.429	536.26	
L0004260	485512.642	3755354.018	536.39	
L0004261	485512.744	3755362.608	536.54	
L0004262	485512.847	3755371.197	536.71	
L0004263	485512.949	3755379.786	536.87	
L0004264	485513.051	3755388.376	537.07	
L0004265	485513.153	3755396.965	537.35	
L0004266	485513.256	3755405.555	537.64	
L0004267	485513.358	3755414.144	537.93	
L0004268	485513.460	3755422.733	538.12	
L0004269	485513.562	3755431.323	538.27	
L0004270	485513.665	3755439.912	538.43	
L0004271	485513.767	3755448.502	538.58	
L0004272	485513.869	3755457.091	538.71	
L0004273	485513.971	3755465.680	538.84	
L0004274	485514.074	3755474.270	538.97	
L0004275	485514.176	3755482.859	539.22	
L0004276	485514.278	3755491.449	539.50	
L0004277	485514.380	3755500.038	539.79	
L0004278	485514.483	3755508.627	540.08	

LOCATION	L0004279	VOLUME	485514.585	3755517.217	540.36
LOCATION	L0004280	VOLUME	485514.687	3755525.806	540.65
LOCATION	L0004281	VOLUME	485514.789	3755534.395	540.93
LOCATION	L0004282	VOLUME	485514.892	3755542.985	541.00
LOCATION	L0004283	VOLUME	485514.994	3755551.574	541.00
LOCATION	L0004284	VOLUME	485515.096	3755560.164	541.00
LOCATION	L0004285	VOLUME	485515.198	3755568.753	541.08
LOCATION	L0004286	VOLUME	485515.301	3755577.342	541.37
LOCATION	L0004287	VOLUME	485515.403	3755585.932	541.65
LOCATION	L0004288	VOLUME	485515.505	3755594.521	541.94
LOCATION	L0004289	VOLUME	485515.607	3755603.111	542.23
LOCATION	L0004290	VOLUME	485515.710	3755611.700	542.51
LOCATION	L0004291	VOLUME	485515.812	3755620.289	542.80
LOCATION	L0004292	VOLUME	485515.914	3755628.879	543.08
LOCATION	L0004293	VOLUME	485516.016	3755637.468	543.37
LOCATION	L0004294	VOLUME	485516.119	3755646.058	543.66
LOCATION	L0004295	VOLUME	485516.221	3755654.647	543.94
LOCATION	L0004296	VOLUME	485516.323	3755663.236	544.00
LOCATION	L0004297	VOLUME	485516.425	3755671.826	544.00

** END OF LINE VOLUME SOURCE ID = SLINE7

** SOURCE PARAMETERS **

** LINE VOLUME SOURCE ID = SLINE1

SRCPARAM	L0003376	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003377	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003378	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003379	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003380	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003381	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003382	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003383	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003384	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003385	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003386	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003387	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003388	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003389	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003390	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003391	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003392	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003393	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003394	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003395	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003396	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003397	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003398	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003399	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003400	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003401	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003402	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003403	0.000001194	3.49	4.00	3.25

SRCPARAM	L0003404	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003405	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003406	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003407	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003408	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003409	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003410	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003411	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003412	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003413	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003414	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003415	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003416	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003417	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003418	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003419	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003420	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003421	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003422	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003423	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003424	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003425	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003426	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003427	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003428	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003429	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003430	0.000001194	3.49	4.00	3.25
SRCPARAM	L0003431	0.000001194	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE2

SRCPARAM	L0003432	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003433	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003434	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003435	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003436	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003437	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003438	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003439	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003440	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003441	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003442	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003443	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003444	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003445	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003446	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003447	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003448	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003449	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003450	0.000001029	3.49	4.00	3.25
SRCPARAM	L0003451	0.000001029	3.49	4.00	3.25

SRCPARAM L0003452	0.000001029	3.49	4.00	3.25
SRCPARAM L0003453	0.000001029	3.49	4.00	3.25
SRCPARAM L0003454	0.000001029	3.49	4.00	3.25
SRCPARAM L0003455	0.000001029	3.49	4.00	3.25
SRCPARAM L0003456	0.000001029	3.49	4.00	3.25
SRCPARAM L0003457	0.000001029	3.49	4.00	3.25
SRCPARAM L0003458	0.000001029	3.49	4.00	3.25
SRCPARAM L0003459	0.000001029	3.49	4.00	3.25
SRCPARAM L0003460	0.000001029	3.49	4.00	3.25
SRCPARAM L0003461	0.000001029	3.49	4.00	3.25
SRCPARAM L0003462	0.000001029	3.49	4.00	3.25
SRCPARAM L0003463	0.000001029	3.49	4.00	3.25
SRCPARAM L0003464	0.000001029	3.49	4.00	3.25
SRCPARAM L0003465	0.000001029	3.49	4.00	3.25
SRCPARAM L0003466	0.000001029	3.49	4.00	3.25
SRCPARAM L0003467	0.000001029	3.49	4.00	3.25
SRCPARAM L0003468	0.000001029	3.49	4.00	3.25
SRCPARAM L0003469	0.000001029	3.49	4.00	3.25
SRCPARAM L0003470	0.000001029	3.49	4.00	3.25
SRCPARAM L0003471	0.000001029	3.49	4.00	3.25
SRCPARAM L0003472	0.000001029	3.49	4.00	3.25
SRCPARAM L0003473	0.000001029	3.49	4.00	3.25
SRCPARAM L0003474	0.000001029	3.49	4.00	3.25
SRCPARAM L0003475	0.000001029	3.49	4.00	3.25
SRCPARAM L0003476	0.000001029	3.49	4.00	3.25
SRCPARAM L0003477	0.000001029	3.49	4.00	3.25
SRCPARAM L0003478	0.000001029	3.49	4.00	3.25
SRCPARAM L0003479	0.000001029	3.49	4.00	3.25
SRCPARAM L0003480	0.000001029	3.49	4.00	3.25
SRCPARAM L0003481	0.000001029	3.49	4.00	3.25
SRCPARAM L0003482	0.000001029	3.49	4.00	3.25
SRCPARAM L0003483	0.000001029	3.49	4.00	3.25
SRCPARAM L0003484	0.000001029	3.49	4.00	3.25
SRCPARAM L0003485	0.000001029	3.49	4.00	3.25
SRCPARAM L0003486	0.000001029	3.49	4.00	3.25
SRCPARAM L0003487	0.000001029	3.49	4.00	3.25
SRCPARAM L0003488	0.000001029	3.49	4.00	3.25
SRCPARAM L0003489	0.000001029	3.49	4.00	3.25
SRCPARAM L0003490	0.000001029	3.49	4.00	3.25
SRCPARAM L0003491	0.000001029	3.49	4.00	3.25
SRCPARAM L0003492	0.000001029	3.49	4.00	3.25
SRCPARAM L0003493	0.000001029	3.49	4.00	3.25
SRCPARAM L0003494	0.000001029	3.49	4.00	3.25
SRCPARAM L0003495	0.000001029	3.49	4.00	3.25
SRCPARAM L0003496	0.000001029	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE3

SRCPARAM L0003497	0.000002544	3.49	4.00	3.25
SRCPARAM L0003498	0.000002544	3.49	4.00	3.25
SRCPARAM L0003499	0.000002544	3.49	4.00	3.25

SRCPARAM L0003700	0.000002544	3.49	4.00	3.25
SRCPARAM L0003701	0.000002544	3.49	4.00	3.25
SRCPARAM L0003702	0.000002544	3.49	4.00	3.25
SRCPARAM L0003703	0.000002544	3.49	4.00	3.25
SRCPARAM L0003704	0.000002544	3.49	4.00	3.25
SRCPARAM L0003705	0.000002544	3.49	4.00	3.25
SRCPARAM L0003706	0.000002544	3.49	4.00	3.25
SRCPARAM L0003707	0.000002544	3.49	4.00	3.25
SRCPARAM L0003708	0.000002544	3.49	4.00	3.25
SRCPARAM L0003709	0.000002544	3.49	4.00	3.25
SRCPARAM L0003710	0.000002544	3.49	4.00	3.25
SRCPARAM L0003711	0.000002544	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE4

SRCPARAM L0003712	0.000004467	3.49	4.00	3.25
SRCPARAM L0003713	0.000004467	3.49	4.00	3.25
SRCPARAM L0003714	0.000004467	3.49	4.00	3.25
SRCPARAM L0003715	0.000004467	3.49	4.00	3.25
SRCPARAM L0003716	0.000004467	3.49	4.00	3.25
SRCPARAM L0003717	0.000004467	3.49	4.00	3.25
SRCPARAM L0003718	0.000004467	3.49	4.00	3.25
SRCPARAM L0003719	0.000004467	3.49	4.00	3.25
SRCPARAM L0003720	0.000004467	3.49	4.00	3.25
SRCPARAM L0003721	0.000004467	3.49	4.00	3.25
SRCPARAM L0003722	0.000004467	3.49	4.00	3.25
SRCPARAM L0003723	0.000004467	3.49	4.00	3.25
SRCPARAM L0003724	0.000004467	3.49	4.00	3.25
SRCPARAM L0003725	0.000004467	3.49	4.00	3.25
SRCPARAM L0003726	0.000004467	3.49	4.00	3.25
SRCPARAM L0003727	0.000004467	3.49	4.00	3.25
SRCPARAM L0003728	0.000004467	3.49	4.00	3.25
SRCPARAM L0003729	0.000004467	3.49	4.00	3.25
SRCPARAM L0003730	0.000004467	3.49	4.00	3.25
SRCPARAM L0003731	0.000004467	3.49	4.00	3.25
SRCPARAM L0003732	0.000004467	3.49	4.00	3.25
SRCPARAM L0003733	0.000004467	3.49	4.00	3.25
SRCPARAM L0003734	0.000004467	3.49	4.00	3.25
SRCPARAM L0003735	0.000004467	3.49	4.00	3.25
SRCPARAM L0003736	0.000004467	3.49	4.00	3.25
SRCPARAM L0003737	0.000004467	3.49	4.00	3.25
SRCPARAM L0003738	0.000004467	3.49	4.00	3.25
SRCPARAM L0003739	0.000004467	3.49	4.00	3.25
SRCPARAM L0003740	0.000004467	3.49	4.00	3.25
SRCPARAM L0003741	0.000004467	3.49	4.00	3.25
SRCPARAM L0003742	0.000004467	3.49	4.00	3.25
SRCPARAM L0003743	0.000004467	3.49	4.00	3.25
SRCPARAM L0003744	0.000004467	3.49	4.00	3.25
SRCPARAM L0003745	0.000004467	3.49	4.00	3.25
SRCPARAM L0003746	0.000004467	3.49	4.00	3.25
SRCPARAM L0003747	0.000004467	3.49	4.00	3.25

SRCPARAM L0003848	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003849	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003850	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003851	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003852	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003853	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003854	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003855	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003856	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003857	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003858	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003859	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003860	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003861	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003862	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003863	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003864	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003865	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003866	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003867	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003868	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003869	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003870	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003871	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003872	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003873	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003874	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003875	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003876	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003877	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003878	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003879	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003880	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003881	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003882	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003883	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003884	0.0000004467	3.49	4.00	3.25
SRCPARAM L0003885	0.0000004467	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE5

SRCPARAM L0003886	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003887	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003888	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003889	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003890	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003891	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003892	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003893	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003894	0.0000001678	3.49	4.00	3.25
SRCPARAM L0003895	0.0000001678	3.49	4.00	3.25

SRCPARAM	L0003946	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003947	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003948	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003949	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003950	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003951	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003952	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003953	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003954	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003955	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003956	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003957	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003958	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003959	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003960	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003961	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003962	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003963	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003964	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003965	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003966	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003967	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003968	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003969	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003970	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003971	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003972	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003973	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003974	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003975	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003976	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003977	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003978	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003979	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003980	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003981	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003982	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003983	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003984	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003985	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003986	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003987	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003988	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003989	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003990	0.0000001678	3.49	4.00	3.25
SRCPARAM	L0003991	0.0000001678	3.49	4.00	3.25

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 ** LINE VOLUME SOURCE ID = SLINE8

SRCPARAM	L0003992	0.0000002797	3.49	4.00	3.25
SRCPARAM	L0003993	0.0000002797	3.49	4.00	3.25

SRCPARAM	L0004094	0.0000002797	3.49	4.00	3.25
SRCPARAM	L0004095	0.0000002797	3.49	4.00	3.25
SRCPARAM	L0004096	0.0000002797	3.49	4.00	3.25
SRCPARAM	L0004097	0.0000002797	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE9

SRCPARAM	L0004098	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004099	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004100	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004101	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004102	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004103	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004104	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004105	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004106	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004107	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004108	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004109	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004110	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004111	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004112	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004113	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004114	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004115	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004116	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004117	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004118	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004119	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004120	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004121	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004122	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004123	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004124	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004125	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004126	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004127	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004128	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004129	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004130	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004131	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004132	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004133	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004134	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004135	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004136	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004137	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004138	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004139	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004140	0.0000005587	0.00	4.00	3.25
SRCPARAM	L0004141	0.0000005587	0.00	4.00	3.25

SRCPARAM L0004142	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004143	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004144	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004145	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004146	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004147	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004148	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004149	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004150	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004151	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004152	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004153	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004154	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004155	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004156	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004157	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004158	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004159	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004160	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004161	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004162	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004163	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004164	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004165	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004166	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004167	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004168	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004169	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004170	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004171	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004172	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004173	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004174	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004175	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004176	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004177	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004178	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004179	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004180	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004181	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004182	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004183	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004184	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004185	0.00000005587	0.00	4.00	3.25
SRCPARAM L0004186	0.00000005587	0.00	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE6

SRCPARAM L0004187	0.0000001663	3.49	4.00	3.25
SRCPARAM L0004188	0.0000001663	3.49	4.00	3.25
SRCPARAM L0004189	0.0000001663	3.49	4.00	3.25

SRCPARAM	L0004240	0.0000001663	3.49	4.00	3.25
SRCPARAM	L0004241	0.0000001663	3.49	4.00	3.25
SRCPARAM	L0004242	0.0000001663	3.49	4.00	3.25

**

** -----
 ** LINE VOLUME SOURCE ID = SLINE7

SRCPARAM	L0004243	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004244	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004245	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004246	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004247	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004248	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004249	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004250	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004251	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004252	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004253	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004254	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004255	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004256	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004257	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004258	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004259	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004260	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004261	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004262	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004263	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004264	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004265	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004266	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004267	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004268	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004269	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004270	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004271	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004272	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004273	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004274	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004275	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004276	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004277	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004278	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004279	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004280	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004281	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004282	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004283	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004284	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004285	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004286	0.0000005551	3.49	4.00	3.25
SRCPARAM	L0004287	0.0000005551	3.49	4.00	3.25

SRCPARAM L0004288	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004289	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004290	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004291	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004292	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004293	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004294	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004295	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004296	0.00000005551	3.49	4.00	3.25
SRCPARAM L0004297	0.00000005551	3.49	4.00	3.25

**

 URBANSRC ALL
 SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING

INCLUDED "12974 HCW.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 HCW.AD\AN00GALL.PLT" 31

SUMMFILE "12974 HCW.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 2086 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 2086 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** SETUP Finishes Successfully ***

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 HCW.ISC *** 05/27/20
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 *** 12:07:08

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*** 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 922 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: 922 Source(s); 1 Source Group(s); and 19 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 922 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 = 3.9 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 12974 HCW.ERR

**File for Summary of Results: 12974 HCW.SUM

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003376		0	0.11940E-05	484874.7	3754955.2	531.6	3.49	4.00
3.25	YES							
L0003377		0	0.11940E-05	484883.3	3754955.3	531.6	3.49	4.00
3.25	YES							
L0003378		0	0.11940E-05	484891.9	3754955.3	531.6	3.49	4.00
3.25	YES							
L0003379		0	0.11940E-05	484900.4	3754955.3	531.6	3.49	4.00
3.25	YES							
L0003380		0	0.11940E-05	484909.0	3754955.4	531.6	3.49	4.00
3.25	YES							
L0003381		0	0.11940E-05	484917.6	3754955.4	531.6	3.49	4.00
3.25	YES							
L0003382		0	0.11940E-05	484926.2	3754955.5	531.6	3.49	4.00
3.25	YES							
L0003383		0	0.11940E-05	484934.8	3754955.5	531.6	3.49	4.00
3.25	YES							

L0003384	0	0.11940E-05	484943.4	3754955.5	531.6	3.49	4.00
3.25 YES							
L0003385	0	0.11940E-05	484952.0	3754955.6	531.6	3.49	4.00
3.25 YES							
L0003386	0	0.11940E-05	484960.6	3754955.6	531.6	3.49	4.00
3.25 YES							
L0003387	0	0.11940E-05	484969.2	3754955.7	531.3	3.49	4.00
3.25 YES							
L0003388	0	0.11940E-05	484977.8	3754955.7	531.1	3.49	4.00
3.25 YES							
L0003389	0	0.11940E-05	484986.3	3754955.8	530.8	3.49	4.00
3.25 YES							
L0003390	0	0.11940E-05	484994.9	3754955.8	530.6	3.49	4.00
3.25 YES							
L0003391	0	0.11940E-05	485003.5	3754955.8	530.6	3.49	4.00
3.25 YES							
L0003392	0	0.11940E-05	485012.1	3754955.9	530.6	3.49	4.00
3.25 YES							
L0003393	0	0.11940E-05	485020.7	3754955.9	530.6	3.49	4.00
3.25 YES							
L0003394	0	0.11940E-05	485029.3	3754956.0	530.6	3.49	4.00
3.25 YES							
L0003395	0	0.11940E-05	485037.9	3754956.0	530.6	3.49	4.00
3.25 YES							
L0003396	0	0.11940E-05	485046.5	3754956.0	530.7	3.49	4.00
3.25 YES							
L0003397	0	0.11940E-05	485055.1	3754956.1	530.7	3.49	4.00
3.25 YES							
L0003398	0	0.11940E-05	485063.7	3754956.1	530.7	3.49	4.00
3.25 YES							
L0003399	0	0.11940E-05	485072.2	3754956.2	530.7	3.49	4.00
3.25 YES							
L0003400	0	0.11940E-05	485080.8	3754956.2	530.6	3.49	4.00
3.25 YES							
L0003401	0	0.11940E-05	485089.4	3754956.3	530.5	3.49	4.00
3.25 YES							
L0003402	0	0.11940E-05	485098.0	3754956.3	530.3	3.49	4.00
3.25 YES							
L0003403	0	0.11940E-05	485106.6	3754956.3	530.1	3.49	4.00
3.25 YES							
L0003404	0	0.11940E-05	485115.2	3754956.4	529.9	3.49	4.00
3.25 YES							
L0003405	0	0.11940E-05	485123.8	3754956.4	529.8	3.49	4.00
3.25 YES							
L0003406	0	0.11940E-05	485132.4	3754956.5	529.8	3.49	4.00
3.25 YES							
L0003407	0	0.11940E-05	485141.0	3754956.5	529.7	3.49	4.00
3.25 YES							
L0003408	0	0.11940E-05	485149.6	3754956.5	529.7	3.49	4.00
3.25 YES							

L0003409 0 0.11940E-05 485158.1 3754956.6 529.7 3.49 4.00
3.25 YES
L0003410 0 0.11940E-05 485166.7 3754956.6 529.7 3.49 4.00
3.25 YES
L0003411 0 0.11940E-05 485175.3 3754956.7 529.7 3.49 4.00
3.25 YES
L0003412 0 0.11940E-05 485183.9 3754956.7 529.7 3.49 4.00
3.25 YES
L0003413 0 0.11940E-05 485192.5 3754956.7 529.7 3.49 4.00
3.25 YES
L0003414 0 0.11940E-05 485201.1 3754956.8 529.7 3.49 4.00
3.25 YES
L0003415 0 0.11940E-05 485209.7 3754956.8 529.5 3.49 4.00
3.25 YES

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HCW.ISC *** 05/27/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003416 0 0.11940E-05 485218.3 3754956.9 529.3 3.49 4.00
3.25 YES
L0003417 0 0.11940E-05 485226.9 3754956.9 529.1 3.49 4.00
3.25 YES
L0003418 0 0.11940E-05 485235.5 3754957.0 528.9 3.49 4.00
3.25 YES
L0003419 0 0.11940E-05 485244.0 3754957.0 528.8 3.49 4.00
3.25 YES
L0003420 0 0.11940E-05 485252.6 3754957.0 528.8 3.49 4.00
3.25 YES
L0003421 0 0.11940E-05 485261.2 3754957.1 528.7 3.49 4.00
3.25 YES
L0003422 0 0.11940E-05 485269.8 3754957.1 528.7 3.49 4.00
3.25 YES
L0003423 0 0.11940E-05 485278.4 3754957.2 528.7 3.49 4.00
3.25 YES

L0003424	0	0.11940E-05	485287.0	3754957.2	528.7	3.49	4.00
3.25	YES						
L0003425	0	0.11940E-05	485295.6	3754957.2	528.6	3.49	4.00
3.25	YES						
L0003426	0	0.11940E-05	485304.2	3754957.3	528.4	3.49	4.00
3.25	YES						
L0003427	0	0.11940E-05	485312.8	3754957.3	528.2	3.49	4.00
3.25	YES						
L0003428	0	0.11940E-05	485321.4	3754957.4	528.0	3.49	4.00
3.25	YES						
L0003429	0	0.11940E-05	485329.9	3754957.4	528.0	3.49	4.00
3.25	YES						
L0003430	0	0.11940E-05	485338.5	3754957.4	528.0	3.49	4.00
3.25	YES						
L0003431	0	0.11940E-05	485347.1	3754957.5	528.0	3.49	4.00
3.25	YES						
L0003432	0	0.10290E-05	484820.0	3754728.7	526.1	3.49	4.00
3.25	YES						
L0003433	0	0.10290E-05	484828.6	3754728.7	526.1	3.49	4.00
3.25	YES						
L0003434	0	0.10290E-05	484837.2	3754728.8	526.1	3.49	4.00
3.25	YES						
L0003435	0	0.10290E-05	484845.7	3754728.8	526.1	3.49	4.00
3.25	YES						
L0003436	0	0.10290E-05	484854.3	3754728.9	526.1	3.49	4.00
3.25	YES						
L0003437	0	0.10290E-05	484862.9	3754728.9	526.1	3.49	4.00
3.25	YES						
L0003438	0	0.10290E-05	484871.5	3754728.9	526.1	3.49	4.00
3.25	YES						
L0003439	0	0.10290E-05	484880.1	3754729.0	526.1	3.49	4.00
3.25	YES						
L0003440	0	0.10290E-05	484888.7	3754729.0	526.1	3.49	4.00
3.25	YES						
L0003441	0	0.10290E-05	484897.3	3754729.0	526.1	3.49	4.00
3.25	YES						
L0003442	0	0.10290E-05	484905.9	3754729.1	526.1	3.49	4.00
3.25	YES						
L0003443	0	0.10290E-05	484914.5	3754729.1	526.1	3.49	4.00
3.25	YES						
L0003444	0	0.10290E-05	484923.1	3754729.1	526.1	3.49	4.00
3.25	YES						
L0003445	0	0.10290E-05	484931.6	3754729.2	526.1	3.49	4.00
3.25	YES						
L0003446	0	0.10290E-05	484940.2	3754729.2	526.1	3.49	4.00
3.25	YES						
L0003447	0	0.10290E-05	484948.8	3754729.2	526.1	3.49	4.00
3.25	YES						
L0003448	0	0.10290E-05	484957.4	3754729.3	526.1	3.49	4.00
3.25	YES						

L0003449	0	0.10290E-05	484966.0	3754729.3	526.1	3.49	4.00
3.25	YES						
L0003450	0	0.10290E-05	484974.6	3754729.4	526.0	3.49	4.00
3.25	YES						
L0003451	0	0.10290E-05	484983.2	3754729.4	526.0	3.49	4.00
3.25	YES						
L0003452	0	0.10290E-05	484991.8	3754729.4	525.9	3.49	4.00
3.25	YES						
L0003453	0	0.10290E-05	485000.4	3754729.5	525.7	3.49	4.00
3.25	YES						
L0003454	0	0.10290E-05	485009.0	3754729.5	525.4	3.49	4.00
3.25	YES						
L0003455	0	0.10290E-05	485017.5	3754729.5	525.2	3.49	4.00
3.25	YES						

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HCW.ISC                               ***      05/27/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003456	0	0.10290E-05	485026.1	3754729.6	525.1	3.49	4.00
3.25	YES						
L0003457	0	0.10290E-05	485034.7	3754729.6	525.1	3.49	4.00
3.25	YES						
L0003458	0	0.10290E-05	485043.3	3754729.6	525.1	3.49	4.00
3.25	YES						
L0003459	0	0.10290E-05	485051.9	3754729.7	525.1	3.49	4.00
3.25	YES						
L0003460	0	0.10290E-05	485060.5	3754729.7	525.1	3.49	4.00
3.25	YES						
L0003461	0	0.10290E-05	485069.1	3754729.7	525.1	3.49	4.00
3.25	YES						
L0003462	0	0.10290E-05	485077.7	3754729.8	525.1	3.49	4.00
3.25	YES						
L0003463	0	0.10290E-05	485086.3	3754729.8	525.1	3.49	4.00
3.25	YES						

L0003464	0	0.10290E-05	485094.9	3754729.9	525.1	3.49	4.00
3.25 YES							
L0003465	0	0.10290E-05	485103.4	3754729.9	525.1	3.49	4.00
3.25 YES							
L0003466	0	0.10290E-05	485112.0	3754729.9	525.1	3.49	4.00
3.25 YES							
L0003467	0	0.10290E-05	485120.6	3754730.0	525.1	3.49	4.00
3.25 YES							
L0003468	0	0.10290E-05	485129.2	3754730.0	525.0	3.49	4.00
3.25 YES							
L0003469	0	0.10290E-05	485137.8	3754730.0	525.0	3.49	4.00
3.25 YES							
L0003470	0	0.10290E-05	485146.4	3754730.1	524.8	3.49	4.00
3.25 YES							
L0003471	0	0.10290E-05	485155.0	3754730.1	524.6	3.49	4.00
3.25 YES							
L0003472	0	0.10290E-05	485163.6	3754730.1	524.3	3.49	4.00
3.25 YES							
L0003473	0	0.10290E-05	485172.2	3754730.2	524.1	3.49	4.00
3.25 YES							
L0003474	0	0.10290E-05	485180.8	3754730.2	524.1	3.49	4.00
3.25 YES							
L0003475	0	0.10290E-05	485189.3	3754730.2	524.1	3.49	4.00
3.25 YES							
L0003476	0	0.10290E-05	485197.9	3754730.3	524.1	3.49	4.00
3.25 YES							
L0003477	0	0.10290E-05	485206.5	3754730.3	524.1	3.49	4.00
3.25 YES							
L0003478	0	0.10290E-05	485215.1	3754730.4	524.1	3.49	4.00
3.25 YES							
L0003479	0	0.10290E-05	485223.7	3754730.4	524.0	3.49	4.00
3.25 YES							
L0003480	0	0.10290E-05	485232.3	3754730.4	523.9	3.49	4.00
3.25 YES							
L0003481	0	0.10290E-05	485240.9	3754730.5	523.7	3.49	4.00
3.25 YES							
L0003482	0	0.10290E-05	485249.5	3754730.5	523.4	3.49	4.00
3.25 YES							
L0003483	0	0.10290E-05	485258.1	3754730.5	523.2	3.49	4.00
3.25 YES							
L0003484	0	0.10290E-05	485266.7	3754730.6	523.1	3.49	4.00
3.25 YES							
L0003485	0	0.10290E-05	485275.2	3754730.6	523.1	3.49	4.00
3.25 YES							
L0003486	0	0.10290E-05	485283.8	3754730.6	523.1	3.49	4.00
3.25 YES							
L0003487	0	0.10290E-05	485292.4	3754730.7	523.1	3.49	4.00
3.25 YES							
L0003488	0	0.10290E-05	485301.0	3754730.7	523.1	3.49	4.00
3.25 YES							

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L0003489      0  0.10290E-05  485309.6  3754730.7  523.1  3.49  4.00
3.25  YES
L0003490      0  0.10290E-05  485318.2  3754730.8  523.1  3.49  4.00
3.25  YES
L0003491      0  0.10290E-05  485326.8  3754730.8  523.1  3.49  4.00
3.25  YES
L0003492      0  0.10290E-05  485335.4  3754730.9  523.1  3.49  4.00
3.25  YES
L0003493      0  0.10290E-05  485344.0  3754730.9  523.0  3.49  4.00
3.25  YES
L0003494      0  0.10290E-05  485352.6  3754730.9  523.0  3.49  4.00
3.25  YES
L0003495      0  0.10290E-05  485361.1  3754731.0  523.0  3.49  4.00
3.25  YES

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▲ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                      ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
***                               12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

```

L0003496      0  0.10290E-05  485369.7  3754731.0  523.0  3.49  4.00
3.25  YES
L0003497      0  0.25440E-05  484771.6  3754988.8  533.0  3.49  4.00
3.25  YES
L0003498      0  0.25440E-05  484769.7  3754980.4  533.0  3.49  4.00
3.25  YES
L0003499      0  0.25440E-05  484767.8  3754972.0  533.0  3.49  4.00
3.25  YES
L0003500      0  0.25440E-05  484765.9  3754963.6  532.9  3.49  4.00
3.25  YES
L0003501      0  0.25440E-05  484763.9  3754955.3  532.6  3.49  4.00
3.25  YES
L0003502      0  0.25440E-05  484761.5  3754947.1  532.4  3.49  4.00
3.25  YES
L0003503      0  0.25440E-05  484757.5  3754939.5  532.1  3.49  4.00
3.25  YES

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L0003504	0	0.25440E-05	484753.6	3754931.8	531.8	3.49	4.00
3.25 YES							
L0003505	0	0.25440E-05	484751.8	3754923.5	531.6	3.49	4.00
3.25 YES							
L0003506	0	0.25440E-05	484750.2	3754915.0	531.3	3.49	4.00
3.25 YES							
L0003507	0	0.25440E-05	484748.6	3754906.6	531.0	3.49	4.00
3.25 YES							
L0003508	0	0.25440E-05	484747.1	3754898.1	530.7	3.49	4.00
3.25 YES							
L0003509	0	0.25440E-05	484747.1	3754889.6	530.4	3.49	4.00
3.25 YES							
L0003510	0	0.25440E-05	484747.1	3754881.0	530.1	3.49	4.00
3.25 YES							
L0003511	0	0.25440E-05	484747.1	3754872.4	530.0	3.49	4.00
3.25 YES							
L0003512	0	0.25440E-05	484747.1	3754863.8	530.0	3.49	4.00
3.25 YES							
L0003513	0	0.25440E-05	484747.1	3754855.2	529.9	3.49	4.00
3.25 YES							
L0003514	0	0.25440E-05	484747.1	3754846.6	529.9	3.49	4.00
3.25 YES							
L0003515	0	0.25440E-05	484747.1	3754838.0	529.6	3.49	4.00
3.25 YES							
L0003516	0	0.25440E-05	484747.1	3754829.4	529.3	3.49	4.00
3.25 YES							
L0003517	0	0.25440E-05	484747.1	3754820.8	529.0	3.49	4.00
3.25 YES							
L0003518	0	0.25440E-05	484747.1	3754812.2	528.8	3.49	4.00
3.25 YES							
L0003519	0	0.25440E-05	484747.1	3754803.7	528.5	3.49	4.00
3.25 YES							
L0003520	0	0.25440E-05	484747.1	3754795.1	528.3	3.49	4.00
3.25 YES							
L0003521	0	0.25440E-05	484747.1	3754786.5	528.0	3.49	4.00
3.25 YES							
L0003522	0	0.25440E-05	484747.1	3754777.9	527.7	3.49	4.00
3.25 YES							
L0003523	0	0.25440E-05	484747.1	3754769.3	527.4	3.49	4.00
3.25 YES							
L0003524	0	0.25440E-05	484747.1	3754760.7	527.1	3.49	4.00
3.25 YES							
L0003525	0	0.25440E-05	484747.1	3754752.1	526.9	3.49	4.00
3.25 YES							
L0003526	0	0.25440E-05	484747.1	3754743.5	526.6	3.49	4.00
3.25 YES							
L0003527	0	0.25440E-05	484747.1	3754734.9	526.3	3.49	4.00
3.25 YES							
L0003528	0	0.25440E-05	484747.1	3754726.3	526.0	3.49	4.00
3.25 YES							

L0003529 0 0.25440E-05 484747.1 3754717.8 525.7 3.49 4.00
 3.25 YES
 L0003530 0 0.25440E-05 484753.5 3754715.6 525.7 3.49 4.00
 3.25 YES
 L0003531 0 0.25440E-05 484762.1 3754715.7 525.8 3.49 4.00
 3.25 YES
 L0003532 0 0.25440E-05 484770.7 3754715.8 525.9 3.49 4.00
 3.25 YES
 L0003533 0 0.25440E-05 484779.3 3754715.8 526.0 3.49 4.00
 3.25 YES
 L0003534 0 0.25440E-05 484787.9 3754715.9 526.0 3.49 4.00
 3.25 YES
 L0003535 0 0.25440E-05 484796.5 3754716.0 526.0 3.49 4.00
 3.25 YES

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 *** ***
 *** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003536 0 0.25440E-05 484805.1 3754716.1 526.0 3.49 4.00
 3.25 YES
 L0003537 0 0.25440E-05 484813.7 3754716.1 526.0 3.49 4.00
 3.25 YES
 L0003538 0 0.25440E-05 484822.3 3754716.2 526.0 3.49 4.00
 3.25 YES
 L0003539 0 0.25440E-05 484830.9 3754716.3 526.0 3.49 4.00
 3.25 YES
 L0003540 0 0.25440E-05 484839.4 3754716.3 526.0 3.49 4.00
 3.25 YES
 L0003541 0 0.25440E-05 484848.0 3754716.4 526.0 3.49 4.00
 3.25 YES
 L0003542 0 0.25440E-05 484856.6 3754716.5 526.0 3.49 4.00
 3.25 YES
 L0003543 0 0.25440E-05 484865.2 3754716.5 526.0 3.49 4.00
 3.25 YES

L0003544	0	0.25440E-05	484873.8	3754716.6	526.0	3.49	4.00
3.25 YES							
L0003545	0	0.25440E-05	484882.4	3754716.7	525.9	3.49	4.00
3.25 YES							
L0003546	0	0.25440E-05	484891.0	3754716.7	525.8	3.49	4.00
3.25 YES							
L0003547	0	0.25440E-05	484899.6	3754716.8	525.7	3.49	4.00
3.25 YES							
L0003548	0	0.25440E-05	484908.2	3754716.9	525.7	3.49	4.00
3.25 YES							
L0003549	0	0.25440E-05	484916.8	3754716.9	525.7	3.49	4.00
3.25 YES							
L0003550	0	0.25440E-05	484925.3	3754717.0	525.7	3.49	4.00
3.25 YES							
L0003551	0	0.25440E-05	484933.9	3754717.1	525.7	3.49	4.00
3.25 YES							
L0003552	0	0.25440E-05	484942.5	3754717.2	525.7	3.49	4.00
3.25 YES							
L0003553	0	0.25440E-05	484951.1	3754717.2	525.7	3.49	4.00
3.25 YES							
L0003554	0	0.25440E-05	484959.7	3754717.3	525.7	3.49	4.00
3.25 YES							
L0003555	0	0.25440E-05	484968.3	3754717.4	525.7	3.49	4.00
3.25 YES							
L0003556	0	0.25440E-05	484976.9	3754717.4	525.7	3.49	4.00
3.25 YES							
L0003557	0	0.25440E-05	484985.5	3754717.5	525.7	3.49	4.00
3.25 YES							
L0003558	0	0.25440E-05	484994.1	3754717.6	525.6	3.49	4.00
3.25 YES							
L0003559	0	0.25440E-05	485002.6	3754717.6	525.4	3.49	4.00
3.25 YES							
L0003560	0	0.25440E-05	485011.2	3754717.7	525.2	3.49	4.00
3.25 YES							
L0003561	0	0.25440E-05	485019.8	3754717.8	525.0	3.49	4.00
3.25 YES							
L0003562	0	0.25440E-05	485028.4	3754717.8	525.0	3.49	4.00
3.25 YES							
L0003563	0	0.25440E-05	485037.0	3754717.9	525.0	3.49	4.00
3.25 YES							
L0003564	0	0.25440E-05	485045.6	3754718.0	525.0	3.49	4.00
3.25 YES							
L0003565	0	0.25440E-05	485054.2	3754718.0	525.0	3.49	4.00
3.25 YES							
L0003566	0	0.25440E-05	485062.8	3754718.1	524.9	3.49	4.00
3.25 YES							
L0003567	0	0.25440E-05	485071.4	3754718.2	524.8	3.49	4.00
3.25 YES							
L0003568	0	0.25440E-05	485080.0	3754718.3	524.7	3.49	4.00
3.25 YES							

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L0003569      0  0.25440E-05  485088.5  3754718.3  524.7    3.49    4.00
3.25  YES
L0003570      0  0.25440E-05  485097.1  3754718.4  524.7    3.49    4.00
3.25  YES
L0003571      0  0.25440E-05  485105.7  3754718.5  524.7    3.49    4.00
3.25  YES
L0003572      0  0.25440E-05  485114.3  3754718.5  524.7    3.49    4.00
3.25  YES
L0003573      0  0.25440E-05  485122.9  3754718.6  524.7    3.49    4.00
3.25  YES
L0003574      0  0.25440E-05  485131.5  3754718.7  524.7    3.49    4.00
3.25  YES
L0003575      0  0.25440E-05  485140.1  3754718.7  524.8    3.49    4.00
3.25  YES

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^ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                ***           05/27/20
*** AERMET - VERSION 16216 ***   ***
***                ***           12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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INIT.  URBAN  NUMBER EMISSION RATE      BASE  RELEASE  INIT.
SOURCE  SOURCE  EMISSION RATE      PART. (GRAMS/SEC)  X      Y      ELEV.  HEIGHT  SY
SZ      SOURCE  SCALAR VARY      CATS.          (METERS) (METERS) (METERS) (METERS) (METERS)
ID      ID      BY
(METERS)
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L0003576      0  0.25440E-05  485148.7  3754718.8  524.5    3.49    4.00
3.25  YES
L0003577      0  0.25440E-05  485157.3  3754718.9  524.3    3.49    4.00
3.25  YES
L0003578      0  0.25440E-05  485165.9  3754718.9  524.1    3.49    4.00
3.25  YES
L0003579      0  0.25440E-05  485174.4  3754719.0  524.0    3.49    4.00
3.25  YES
L0003580      0  0.25440E-05  485183.0  3754719.1  523.9    3.49    4.00
3.25  YES
L0003581      0  0.25440E-05  485191.6  3754719.1  523.8    3.49    4.00
3.25  YES
L0003582      0  0.25440E-05  485200.2  3754719.2  523.8    3.49    4.00
3.25  YES
L0003583      0  0.25440E-05  485208.8  3754719.3  523.8    3.49    4.00
3.25  YES

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L0003584	0	0.25440E-05	485217.4	3754719.4	523.8	3.49	4.00
3.25 YES							
L0003585	0	0.25440E-05	485226.0	3754719.4	523.8	3.49	4.00
3.25 YES							
L0003586	0	0.25440E-05	485234.6	3754719.5	523.7	3.49	4.00
3.25 YES							
L0003587	0	0.25440E-05	485243.2	3754719.6	523.4	3.49	4.00
3.25 YES							
L0003588	0	0.25440E-05	485251.8	3754719.6	523.2	3.49	4.00
3.25 YES							
L0003589	0	0.25440E-05	485260.3	3754719.7	523.0	3.49	4.00
3.25 YES							
L0003590	0	0.25440E-05	485268.9	3754719.8	523.0	3.49	4.00
3.25 YES							
L0003591	0	0.25440E-05	485277.5	3754719.8	523.0	3.49	4.00
3.25 YES							
L0003592	0	0.25440E-05	485286.1	3754719.9	523.0	3.49	4.00
3.25 YES							
L0003593	0	0.25440E-05	485294.7	3754720.0	523.0	3.49	4.00
3.25 YES							
L0003594	0	0.25440E-05	485303.3	3754720.0	522.9	3.49	4.00
3.25 YES							
L0003595	0	0.25440E-05	485311.9	3754720.1	522.8	3.49	4.00
3.25 YES							
L0003596	0	0.25440E-05	485320.5	3754720.2	522.8	3.49	4.00
3.25 YES							
L0003597	0	0.25440E-05	485329.1	3754720.2	522.8	3.49	4.00
3.25 YES							
L0003598	0	0.25440E-05	485337.6	3754720.3	522.8	3.49	4.00
3.25 YES							
L0003599	0	0.25440E-05	485346.2	3754720.4	522.8	3.49	4.00
3.25 YES							
L0003600	0	0.25440E-05	485354.8	3754720.5	522.8	3.49	4.00
3.25 YES							
L0003601	0	0.25440E-05	485363.4	3754720.5	522.8	3.49	4.00
3.25 YES							
L0003602	0	0.25440E-05	485372.0	3754720.6	522.8	3.49	4.00
3.25 YES							
L0003603	0	0.25440E-05	485380.6	3754720.7	522.8	3.49	4.00
3.25 YES							
L0003604	0	0.25440E-05	485389.2	3754720.7	522.8	3.49	4.00
3.25 YES							
L0003605	0	0.25440E-05	485397.8	3754720.8	522.8	3.49	4.00
3.25 YES							
L0003606	0	0.25440E-05	485406.4	3754720.9	522.8	3.49	4.00
3.25 YES							
L0003607	0	0.25440E-05	485415.0	3754720.9	522.7	3.49	4.00
3.25 YES							
L0003608	0	0.25440E-05	485421.2	3754723.3	522.6	3.49	4.00
3.25 YES							

L0003609	0	0.25440E-05	485421.0	3754731.9	522.7	3.49	4.00
3.25	YES						
L0003610	0	0.25440E-05	485420.9	3754740.5	522.8	3.49	4.00
3.25	YES						
L0003611	0	0.25440E-05	485420.7	3754749.0	522.9	3.49	4.00
3.25	YES						
L0003612	0	0.25440E-05	485420.6	3754757.6	523.0	3.49	4.00
3.25	YES						
L0003613	0	0.25440E-05	485420.4	3754766.2	523.3	3.49	4.00
3.25	YES						
L0003614	0	0.25440E-05	485420.2	3754774.8	523.6	3.49	4.00
3.25	YES						
L0003615	0	0.25440E-05	485420.1	3754783.4	523.9	3.49	4.00
3.25	YES						

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*** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***      05/27/20
*** AERMET - VERSION 16216 ***      ***
***                               ***      12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003616	0	0.25440E-05	485419.9	3754792.0	524.2	3.49	4.00
3.25	YES						
L0003617	0	0.25440E-05	485419.8	3754800.6	524.5	3.49	4.00
3.25	YES						
L0003618	0	0.25440E-05	485419.6	3754809.2	524.8	3.49	4.00
3.25	YES						
L0003619	0	0.25440E-05	485419.5	3754817.8	525.0	3.49	4.00
3.25	YES						
L0003620	0	0.25440E-05	485419.3	3754826.3	525.0	3.49	4.00
3.25	YES						
L0003621	0	0.25440E-05	485419.1	3754834.9	525.0	3.49	4.00
3.25	YES						
L0003622	0	0.25440E-05	485419.0	3754843.5	525.0	3.49	4.00
3.25	YES						
L0003623	0	0.25440E-05	485418.8	3754852.1	525.2	3.49	4.00
3.25	YES						

L0003624	0	0.25440E-05	485418.7	3754860.7	525.5	3.49	4.00
3.25	YES						
L0003625	0	0.25440E-05	485418.5	3754869.3	525.8	3.49	4.00
3.25	YES						
L0003626	0	0.25440E-05	485418.3	3754877.9	526.0	3.49	4.00
3.25	YES						
L0003627	0	0.25440E-05	485418.2	3754886.5	526.2	3.49	4.00
3.25	YES						
L0003628	0	0.25440E-05	485418.0	3754895.1	526.5	3.49	4.00
3.25	YES						
L0003629	0	0.25440E-05	485417.9	3754903.6	526.7	3.49	4.00
3.25	YES						
L0003630	0	0.25440E-05	485417.7	3754912.2	526.8	3.49	4.00
3.25	YES						
L0003631	0	0.25440E-05	485417.5	3754920.8	526.9	3.49	4.00
3.25	YES						
L0003632	0	0.25440E-05	485417.4	3754929.4	526.9	3.49	4.00
3.25	YES						
L0003633	0	0.25440E-05	485417.2	3754938.0	527.0	3.49	4.00
3.25	YES						
L0003634	0	0.25440E-05	485417.1	3754946.6	527.3	3.49	4.00
3.25	YES						
L0003635	0	0.25440E-05	485416.9	3754955.2	527.6	3.49	4.00
3.25	YES						
L0003636	0	0.25440E-05	485416.8	3754963.8	527.9	3.49	4.00
3.25	YES						
L0003637	0	0.25440E-05	485414.9	3754970.6	528.0	3.49	4.00
3.25	YES						
L0003638	0	0.25440E-05	485406.3	3754970.4	528.0	3.49	4.00
3.25	YES						
L0003639	0	0.25440E-05	485397.7	3754970.3	528.0	3.49	4.00
3.25	YES						
L0003640	0	0.25440E-05	485389.1	3754970.2	528.1	3.49	4.00
3.25	YES						
L0003641	0	0.25440E-05	485380.5	3754970.0	528.1	3.49	4.00
3.25	YES						
L0003642	0	0.25440E-05	485371.9	3754969.9	528.1	3.49	4.00
3.25	YES						
L0003643	0	0.25440E-05	485363.3	3754969.8	528.1	3.49	4.00
3.25	YES						
L0003644	0	0.25440E-05	485354.8	3754969.9	528.1	3.49	4.00
3.25	YES						
L0003645	0	0.25440E-05	485346.2	3754969.9	528.1	3.49	4.00
3.25	YES						
L0003646	0	0.25440E-05	485337.6	3754969.9	528.1	3.49	4.00
3.25	YES						
L0003647	0	0.25440E-05	485329.0	3754969.9	528.1	3.49	4.00
3.25	YES						
L0003648	0	0.25440E-05	485320.4	3754969.9	528.1	3.49	4.00
3.25	YES						

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L0003649      0   0.25440E-05  485311.8 3754969.9  528.4   3.49   4.00
3.25      YES
L0003650      0   0.25440E-05  485303.2 3754969.9  528.6   3.49   4.00
3.25      YES
L0003651      0   0.25440E-05  485294.6 3754970.0  528.9   3.49   4.00
3.25      YES
L0003652      0   0.25440E-05  485286.0 3754970.0  529.0   3.49   4.00
3.25      YES
L0003653      0   0.25440E-05  485277.4 3754970.0  529.0   3.49   4.00
3.25      YES
L0003654      0   0.25440E-05  485268.9 3754970.0  529.1   3.49   4.00
3.25      YES
L0003655      0   0.25440E-05  485260.3 3754970.0  529.1   3.49   4.00
3.25      YES

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↑ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                      ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
                                ***   12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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L0003656      0   0.25440E-05  485251.7 3754970.0  529.1   3.49   4.00
3.25      YES
L0003657      0   0.25440E-05  485243.1 3754970.0  529.1   3.49   4.00
3.25      YES
L0003658      0   0.25440E-05  485234.5 3754970.0  529.1   3.49   4.00
3.25      YES
L0003659      0   0.25440E-05  485225.9 3754970.1  529.2   3.49   4.00
3.25      YES
L0003660      0   0.25440E-05  485217.3 3754970.1  529.5   3.49   4.00
3.25      YES
L0003661      0   0.25440E-05  485208.7 3754970.1  529.8   3.49   4.00
3.25      YES
L0003662      0   0.25440E-05  485200.1 3754970.1  530.0   3.49   4.00
3.25      YES
L0003663      0   0.25440E-05  485191.5 3754970.1  530.0   3.49   4.00
3.25      YES

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L0003664	0	0.25440E-05	485183.0	3754970.1	530.0	3.49	4.00
3.25 YES							
L0003665	0	0.25440E-05	485174.4	3754970.1	530.0	3.49	4.00
3.25 YES							
L0003666	0	0.25440E-05	485165.8	3754970.2	530.0	3.49	4.00
3.25 YES							
L0003667	0	0.25440E-05	485157.2	3754970.2	530.0	3.49	4.00
3.25 YES							
L0003668	0	0.25440E-05	485148.6	3754970.2	530.1	3.49	4.00
3.25 YES							
L0003669	0	0.25440E-05	485140.0	3754970.2	530.1	3.49	4.00
3.25 YES							
L0003670	0	0.25440E-05	485131.4	3754970.2	530.1	3.49	4.00
3.25 YES							
L0003671	0	0.25440E-05	485122.8	3754970.2	530.1	3.49	4.00
3.25 YES							
L0003672	0	0.25440E-05	485114.2	3754970.2	530.1	3.49	4.00
3.25 YES							
L0003673	0	0.25440E-05	485105.6	3754970.3	530.3	3.49	4.00
3.25 YES							
L0003674	0	0.25440E-05	485097.1	3754970.3	530.5	3.49	4.00
3.25 YES							
L0003675	0	0.25440E-05	485088.5	3754970.3	530.8	3.49	4.00
3.25 YES							
L0003676	0	0.25440E-05	485079.9	3754970.3	531.0	3.49	4.00
3.25 YES							
L0003677	0	0.25440E-05	485071.3	3754970.3	531.0	3.49	4.00
3.25 YES							
L0003678	0	0.25440E-05	485062.7	3754970.3	531.0	3.49	4.00
3.25 YES							
L0003679	0	0.25440E-05	485054.1	3754970.3	531.0	3.49	4.00
3.25 YES							
L0003680	0	0.25440E-05	485045.5	3754970.3	531.0	3.49	4.00
3.25 YES							
L0003681	0	0.25440E-05	485036.9	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003682	0	0.25440E-05	485028.3	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003683	0	0.25440E-05	485019.7	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003684	0	0.25440E-05	485011.2	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003685	0	0.25440E-05	485002.6	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003686	0	0.25440E-05	484994.0	3754970.4	531.1	3.49	4.00
3.25 YES							
L0003687	0	0.25440E-05	484985.4	3754970.4	531.3	3.49	4.00
3.25 YES							
L0003688	0	0.25440E-05	484976.8	3754970.5	531.5	3.49	4.00
3.25 YES							

L0003689	0	0.25440E-05	484968.2	3754970.5	531.8	3.49	4.00
3.25 YES							
L0003690	0	0.25440E-05	484959.6	3754970.5	532.0	3.49	4.00
3.25 YES							
L0003691	0	0.25440E-05	484951.0	3754970.5	532.0	3.49	4.00
3.25 YES							
L0003692	0	0.25440E-05	484942.4	3754970.5	532.1	3.49	4.00
3.25 YES							
L0003693	0	0.25440E-05	484933.8	3754970.5	532.1	3.49	4.00
3.25 YES							
L0003694	0	0.25440E-05	484925.3	3754970.5	532.1	3.49	4.00
3.25 YES							
L0003695	0	0.25440E-05	484916.7	3754970.6	532.1	3.49	4.00
3.25 YES							

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*** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***      05/27/20
*** AERMET - VERSION 16216 ***      ***
***                               ***      12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003696	0	0.25440E-05	484908.1	3754970.6	532.1	3.49	4.00
3.25 YES							
L0003697	0	0.25440E-05	484899.5	3754970.6	532.1	3.49	4.00
3.25 YES							
L0003698	0	0.25440E-05	484890.9	3754970.6	532.1	3.49	4.00
3.25 YES							
L0003699	0	0.25440E-05	484882.3	3754970.4	532.1	3.49	4.00
3.25 YES							
L0003700	0	0.25440E-05	484873.8	3754969.6	532.1	3.49	4.00
3.25 YES							
L0003701	0	0.25440E-05	484865.2	3754968.8	532.1	3.49	4.00
3.25 YES							
L0003702	0	0.25440E-05	484856.7	3754968.1	532.1	3.49	4.00
3.25 YES							
L0003703	0	0.25440E-05	484848.1	3754967.3	532.0	3.49	4.00
3.25 YES							

L0003704	0	0.25440E-05	484839.8	3754965.5	532.0	3.49	4.00
3.25 YES							
L0003705	0	0.25440E-05	484831.9	3754962.1	531.9	3.49	4.00
3.25 YES							
L0003706	0	0.25440E-05	484824.0	3754958.8	531.9	3.49	4.00
3.25 YES							
L0003707	0	0.25440E-05	484815.8	3754956.4	531.9	3.49	4.00
3.25 YES							
L0003708	0	0.25440E-05	484807.4	3754954.7	532.1	3.49	4.00
3.25 YES							
L0003709	0	0.25440E-05	484798.9	3754953.0	532.2	3.49	4.00
3.25 YES							
L0003710	0	0.25440E-05	484790.5	3754951.8	532.3	3.49	4.00
3.25 YES							
L0003711	0	0.25440E-05	484781.9	3754951.1	532.5	3.49	4.00
3.25 YES							
L0003712	0	0.44670E-06	484765.2	3755016.9	533.7	3.49	4.00
3.25 YES							
L0003713	0	0.44670E-06	484756.6	3755017.1	533.7	3.49	4.00
3.25 YES							
L0003714	0	0.44670E-06	484748.0	3755017.3	533.7	3.49	4.00
3.25 YES							
L0003715	0	0.44670E-06	484739.4	3755017.5	533.7	3.49	4.00
3.25 YES							
L0003716	0	0.44670E-06	484730.8	3755017.7	533.7	3.49	4.00
3.25 YES							
L0003717	0	0.44670E-06	484722.2	3755017.8	533.7	3.49	4.00
3.25 YES							
L0003718	0	0.44670E-06	484713.6	3755018.0	533.8	3.49	4.00
3.25 YES							
L0003719	0	0.44670E-06	484705.0	3755018.2	533.9	3.49	4.00
3.25 YES							
L0003720	0	0.44670E-06	484696.5	3755018.4	533.9	3.49	4.00
3.25 YES							
L0003721	0	0.44670E-06	484687.9	3755018.6	534.0	3.49	4.00
3.25 YES							
L0003722	0	0.44670E-06	484679.3	3755018.8	534.0	3.49	4.00
3.25 YES							
L0003723	0	0.44670E-06	484670.7	3755018.9	534.0	3.49	4.00
3.25 YES							
L0003724	0	0.44670E-06	484662.1	3755019.1	534.0	3.49	4.00
3.25 YES							
L0003725	0	0.44670E-06	484653.5	3755019.3	534.2	3.49	4.00
3.25 YES							
L0003726	0	0.44670E-06	484644.9	3755019.5	534.4	3.49	4.00
3.25 YES							
L0003727	0	0.44670E-06	484636.3	3755019.7	534.6	3.49	4.00
3.25 YES							
L0003728	0	0.44670E-06	484627.8	3755019.8	534.8	3.49	4.00
3.25 YES							

L0003729	0	0.44670E-06	484619.2	3755020.5	534.8	3.49	4.00
3.25	YES						
L0003730	0	0.44670E-06	484610.7	3755021.5	534.8	3.49	4.00
3.25	YES						
L0003731	0	0.44670E-06	484602.1	3755022.5	534.9	3.49	4.00
3.25	YES						
L0003732	0	0.44670E-06	484593.6	3755023.5	534.9	3.49	4.00
3.25	YES						
L0003733	0	0.44670E-06	484585.1	3755024.5	534.9	3.49	4.00
3.25	YES						
L0003734	0	0.44670E-06	484576.5	3755025.5	535.0	3.49	4.00
3.25	YES						
L0003735	0	0.44670E-06	484568.0	3755026.5	535.0	3.49	4.00
3.25	YES						

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^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 12:07:08

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

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

L0003736	0	0.44670E-06	484559.5	3755027.5	535.0	3.49	4.00
3.25	YES						
L0003737	0	0.44670E-06	484550.9	3755028.5	535.0	3.49	4.00
3.25	YES						
L0003738	0	0.44670E-06	484542.5	3755030.0	535.0	3.49	4.00
3.25	YES						
L0003739	0	0.44670E-06	484534.3	3755032.6	535.0	3.49	4.00
3.25	YES						
L0003740	0	0.44670E-06	484526.1	3755035.2	535.0	3.49	4.00
3.25	YES						
L0003741	0	0.44670E-06	484517.9	3755037.7	535.0	3.49	4.00
3.25	YES						
L0003742	0	0.44670E-06	484509.7	3755040.3	535.0	3.49	4.00
3.25	YES						
L0003743	0	0.44670E-06	484501.5	3755042.9	535.0	3.49	4.00
3.25	YES						

L0003744	0	0.44670E-06	484493.4	3755045.5	535.0	3.49	4.00
3.25	YES						
L0003745	0	0.44670E-06	484485.2	3755048.0	535.0	3.49	4.00
3.25	YES						
L0003746	0	0.44670E-06	484477.0	3755050.6	535.0	3.49	4.00
3.25	YES						
L0003747	0	0.44670E-06	484468.8	3755053.2	535.0	3.49	4.00
3.25	YES						
L0003748	0	0.44670E-06	484460.6	3755055.8	535.0	3.49	4.00
3.25	YES						
L0003749	0	0.44670E-06	484452.4	3755058.4	535.1	3.49	4.00
3.25	YES						
L0003750	0	0.44670E-06	484444.2	3755060.9	535.1	3.49	4.00
3.25	YES						
L0003751	0	0.44670E-06	484436.1	3755063.7	535.2	3.49	4.00
3.25	YES						
L0003752	0	0.44670E-06	484428.2	3755067.2	535.4	3.49	4.00
3.25	YES						
L0003753	0	0.44670E-06	484420.4	3755070.8	535.5	3.49	4.00
3.25	YES						
L0003754	0	0.44670E-06	484412.6	3755074.3	535.6	3.49	4.00
3.25	YES						
L0003755	0	0.44670E-06	484404.8	3755077.9	535.7	3.49	4.00
3.25	YES						
L0003756	0	0.44670E-06	484396.9	3755081.4	535.8	3.49	4.00
3.25	YES						
L0003757	0	0.44670E-06	484389.1	3755085.0	535.9	3.49	4.00
3.25	YES						
L0003758	0	0.44670E-06	484381.3	3755088.5	536.1	3.49	4.00
3.25	YES						
L0003759	0	0.44670E-06	484373.5	3755092.1	536.2	3.49	4.00
3.25	YES						
L0003760	0	0.44670E-06	484365.7	3755095.6	536.3	3.49	4.00
3.25	YES						
L0003761	0	0.44670E-06	484357.8	3755099.2	536.4	3.49	4.00
3.25	YES						
L0003762	0	0.44670E-06	484350.0	3755102.7	536.5	3.49	4.00
3.25	YES						
L0003763	0	0.44670E-06	484342.2	3755106.3	536.7	3.49	4.00
3.25	YES						
L0003764	0	0.44670E-06	484334.4	3755109.8	536.8	3.49	4.00
3.25	YES						
L0003765	0	0.44670E-06	484326.5	3755113.4	536.9	3.49	4.00
3.25	YES						
L0003766	0	0.44670E-06	484318.7	3755116.8	537.0	3.49	4.00
3.25	YES						
L0003767	0	0.44670E-06	484310.8	3755120.3	537.0	3.49	4.00
3.25	YES						
L0003768	0	0.44670E-06	484303.0	3755123.8	537.0	3.49	4.00
3.25	YES						

L0003769	0	0.44670E-06	484295.1	3755127.3	537.0	3.49	4.00
3.25	YES						
L0003770	0	0.44670E-06	484287.2	3755130.4	537.0	3.49	4.00
3.25	YES						
L0003771	0	0.44670E-06	484279.4	3755134.1	537.0	3.49	4.00
3.25	YES						
L0003772	0	0.44670E-06	484271.7	3755137.8	537.0	3.49	4.00
3.25	YES						
L0003773	0	0.44670E-06	484263.9	3755141.4	537.0	3.49	4.00
3.25	YES						
L0003774	0	0.44670E-06	484256.1	3755145.1	537.0	3.49	4.00
3.25	YES						
L0003775	0	0.44670E-06	484248.4	3755148.8	537.1	3.49	4.00
3.25	YES						

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*** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***      05/27/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003776	0	0.44670E-06	484240.6	3755152.5	537.2	3.49	4.00
3.25	YES						
L0003777	0	0.44670E-06	484232.8	3755156.1	537.3	3.49	4.00
3.25	YES						
L0003778	0	0.44670E-06	484225.1	3755159.8	537.4	3.49	4.00
3.25	YES						
L0003779	0	0.44670E-06	484217.2	3755163.2	537.6	3.49	4.00
3.25	YES						
L0003780	0	0.44670E-06	484209.2	3755166.4	537.7	3.49	4.00
3.25	YES						
L0003781	0	0.44670E-06	484201.3	3755169.7	537.8	3.49	4.00
3.25	YES						
L0003782	0	0.44670E-06	484193.3	3755172.9	537.9	3.49	4.00
3.25	YES						
L0003783	0	0.44670E-06	484185.4	3755176.2	538.0	3.49	4.00
3.25	YES						

L0003784	0	0.44670E-06	484177.4	3755179.4	538.0	3.49	4.00
3.25 YES							
L0003785	0	0.44670E-06	484169.5	3755182.7	538.0	3.49	4.00
3.25 YES							
L0003786	0	0.44670E-06	484161.5	3755185.9	538.0	3.49	4.00
3.25 YES							
L0003787	0	0.44670E-06	484153.6	3755189.2	538.0	3.49	4.00
3.25 YES							
L0003788	0	0.44670E-06	484145.6	3755192.4	538.0	3.49	4.00
3.25 YES							
L0003789	0	0.44670E-06	484137.4	3755194.9	538.0	3.49	4.00
3.25 YES							
L0003790	0	0.44670E-06	484129.1	3755197.2	538.0	3.49	4.00
3.25 YES							
L0003791	0	0.44670E-06	484120.8	3755199.5	538.0	3.49	4.00
3.25 YES							
L0003792	0	0.44670E-06	484112.6	3755201.8	538.0	3.49	4.00
3.25 YES							
L0003793	0	0.44670E-06	484104.3	3755204.0	538.0	3.49	4.00
3.25 YES							
L0003794	0	0.44670E-06	484096.0	3755206.3	538.0	3.49	4.00
3.25 YES							
L0003795	0	0.44670E-06	484087.7	3755208.6	538.1	3.49	4.00
3.25 YES							
L0003796	0	0.44670E-06	484079.4	3755210.9	538.1	3.49	4.00
3.25 YES							
L0003797	0	0.44670E-06	484071.1	3755213.0	538.2	3.49	4.00
3.25 YES							
L0003798	0	0.44670E-06	484062.5	3755213.6	538.2	3.49	4.00
3.25 YES							
L0003799	0	0.44670E-06	484054.0	3755214.2	538.3	3.49	4.00
3.25 YES							
L0003800	0	0.44670E-06	484045.4	3755214.8	538.3	3.49	4.00
3.25 YES							
L0003801	0	0.44670E-06	484036.8	3755215.4	538.3	3.49	4.00
3.25 YES							
L0003802	0	0.44670E-06	484028.3	3755216.0	538.3	3.49	4.00
3.25 YES							
L0003803	0	0.44670E-06	484019.7	3755216.7	538.2	3.49	4.00
3.25 YES							
L0003804	0	0.44670E-06	484011.1	3755217.3	538.1	3.49	4.00
3.25 YES							
L0003805	0	0.44670E-06	484002.6	3755217.9	538.0	3.49	4.00
3.25 YES							
L0003806	0	0.44670E-06	483994.0	3755218.5	537.9	3.49	4.00
3.25 YES							
L0003807	0	0.44670E-06	483985.4	3755219.1	537.7	3.49	4.00
3.25 YES							
L0003808	0	0.44670E-06	483976.9	3755219.7	537.6	3.49	4.00
3.25 YES							

L0003809	0	0.44670E-06	483968.3	3755220.1	537.5	3.49	4.00
3.25	YES						
L0003810	0	0.44670E-06	483959.7	3755220.0	537.5	3.49	4.00
3.25	YES						
L0003811	0	0.44670E-06	483951.1	3755220.0	537.4	3.49	4.00
3.25	YES						
L0003812	0	0.44670E-06	483942.5	3755219.9	537.4	3.49	4.00
3.25	YES						
L0003813	0	0.44670E-06	483933.9	3755219.9	537.4	3.49	4.00
3.25	YES						
L0003814	0	0.44670E-06	483925.3	3755219.8	537.4	3.49	4.00
3.25	YES						
L0003815	0	0.44670E-06	483916.7	3755219.7	537.4	3.49	4.00
3.25	YES						

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003816	0	0.44670E-06	483908.2	3755219.7	537.4	3.49	4.00
3.25	YES						
L0003817	0	0.44670E-06	483899.6	3755219.6	537.4	3.49	4.00
3.25	YES						
L0003818	0	0.44670E-06	483891.0	3755219.6	537.4	3.49	4.00
3.25	YES						
L0003819	0	0.44670E-06	483882.4	3755219.5	537.4	3.49	4.00
3.25	YES						
L0003820	0	0.44670E-06	483873.8	3755219.4	537.4	3.49	4.00
3.25	YES						
L0003821	0	0.44670E-06	483865.2	3755219.4	537.4	3.49	4.00
3.25	YES						
L0003822	0	0.44670E-06	483856.6	3755219.3	537.4	3.49	4.00
3.25	YES						
L0003823	0	0.44670E-06	483848.0	3755219.3	537.4	3.49	4.00
3.25	YES						

L0003824	0	0.44670E-06	483839.4	3755219.2	537.3	3.49	4.00
3.25 YES							
L0003825	0	0.44670E-06	483830.8	3755219.1	537.1	3.49	4.00
3.25 YES							
L0003826	0	0.44670E-06	483822.3	3755219.1	537.0	3.49	4.00
3.25 YES							
L0003827	0	0.44670E-06	483813.7	3755219.0	536.9	3.49	4.00
3.25 YES							
L0003828	0	0.44670E-06	483805.1	3755219.0	536.7	3.49	4.00
3.25 YES							
L0003829	0	0.44670E-06	483796.5	3755218.9	536.5	3.49	4.00
3.25 YES							
L0003830	0	0.44670E-06	483787.9	3755218.8	536.5	3.49	4.00
3.25 YES							
L0003831	0	0.44670E-06	483779.3	3755218.8	536.6	3.49	4.00
3.25 YES							
L0003832	0	0.44670E-06	483770.7	3755218.7	536.8	3.49	4.00
3.25 YES							
L0003833	0	0.44670E-06	483762.1	3755218.6	537.0	3.49	4.00
3.25 YES							
L0003834	0	0.44670E-06	483753.5	3755218.6	537.0	3.49	4.00
3.25 YES							
L0003835	0	0.44670E-06	483745.0	3755218.5	537.0	3.49	4.00
3.25 YES							
L0003836	0	0.44670E-06	483736.4	3755218.5	537.0	3.49	4.00
3.25 YES							
L0003837	0	0.44670E-06	483727.8	3755218.4	537.0	3.49	4.00
3.25 YES							
L0003838	0	0.44670E-06	483719.2	3755218.3	537.0	3.49	4.00
3.25 YES							
L0003839	0	0.44670E-06	483710.6	3755218.5	537.0	3.49	4.00
3.25 YES							
L0003840	0	0.44670E-06	483702.0	3755218.7	537.0	3.49	4.00
3.25 YES							
L0003841	0	0.44670E-06	483693.4	3755218.9	537.0	3.49	4.00
3.25 YES							
L0003842	0	0.44670E-06	483684.8	3755219.2	537.0	3.49	4.00
3.25 YES							
L0003843	0	0.44670E-06	483676.2	3755219.4	537.0	3.49	4.00
3.25 YES							
L0003844	0	0.44670E-06	483667.7	3755219.6	537.1	3.49	4.00
3.25 YES							
L0003845	0	0.44670E-06	483659.1	3755219.8	537.4	3.49	4.00
3.25 YES							
L0003846	0	0.44670E-06	483650.5	3755220.0	537.6	3.49	4.00
3.25 YES							
L0003847	0	0.44670E-06	483641.9	3755220.3	537.9	3.49	4.00
3.25 YES							
L0003848	0	0.44670E-06	483633.3	3755220.5	538.1	3.49	4.00
3.25 YES							

L0003849 0 0.44670E-06 483624.7 3755220.7 538.3 3.49 4.00
 3.25 YES
 L0003850 0 0.44670E-06 483616.1 3755220.9 538.4 3.49 4.00
 3.25 YES
 L0003851 0 0.44670E-06 483607.5 3755221.1 538.6 3.49 4.00
 3.25 YES
 L0003852 0 0.44670E-06 483599.0 3755221.4 538.9 3.49 4.00
 3.25 YES
 L0003853 0 0.44670E-06 483590.4 3755221.6 539.2 3.49 4.00
 3.25 YES
 L0003854 0 0.44670E-06 483581.8 3755221.8 539.4 3.49 4.00
 3.25 YES
 L0003855 0 0.44670E-06 483573.2 3755222.0 539.4 3.49 4.00
 3.25 YES

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003856 0 0.44670E-06 483564.6 3755222.2 539.3 3.49 4.00
 3.25 YES
 L0003857 0 0.44670E-06 483556.0 3755222.5 539.1 3.49 4.00
 3.25 YES
 L0003858 0 0.44670E-06 483547.4 3755222.7 539.0 3.49 4.00
 3.25 YES
 L0003859 0 0.44670E-06 483538.9 3755222.9 539.0 3.49 4.00
 3.25 YES
 L0003860 0 0.44670E-06 483530.3 3755223.1 539.0 3.49 4.00
 3.25 YES
 L0003861 0 0.44670E-06 483521.7 3755223.3 539.0 3.49 4.00
 3.25 YES
 L0003862 0 0.44670E-06 483513.1 3755223.6 539.0 3.49 4.00
 3.25 YES
 L0003863 0 0.44670E-06 483506.5 3755225.7 539.0 3.49 4.00
 3.25 YES

L0003864	0	0.44670E-06	483506.7	3755234.3	539.0	3.49	4.00
3.25	YES						
L0003865	0	0.44670E-06	483506.9	3755242.9	539.3	3.49	4.00
3.25	YES						
L0003866	0	0.44670E-06	483507.0	3755251.5	539.7	3.49	4.00
3.25	YES						
L0003867	0	0.44670E-06	483507.2	3755260.1	540.1	3.49	4.00
3.25	YES						
L0003868	0	0.44670E-06	483507.3	3755268.7	540.5	3.49	4.00
3.25	YES						
L0003869	0	0.44670E-06	483507.5	3755277.3	541.0	3.49	4.00
3.25	YES						
L0003870	0	0.44670E-06	483507.6	3755285.9	541.4	3.49	4.00
3.25	YES						
L0003871	0	0.44670E-06	483507.8	3755294.4	541.9	3.49	4.00
3.25	YES						
L0003872	0	0.44670E-06	483508.0	3755303.0	542.3	3.49	4.00
3.25	YES						
L0003873	0	0.44670E-06	483508.1	3755311.6	542.7	3.49	4.00
3.25	YES						
L0003874	0	0.44670E-06	483508.3	3755320.2	543.1	3.49	4.00
3.25	YES						
L0003875	0	0.44670E-06	483508.4	3755328.8	543.7	3.49	4.00
3.25	YES						
L0003876	0	0.44670E-06	483508.6	3755337.4	544.8	3.49	4.00
3.25	YES						
L0003877	0	0.44670E-06	483508.7	3755346.0	546.0	3.49	4.00
3.25	YES						
L0003878	0	0.44670E-06	483508.9	3755354.6	547.1	3.49	4.00
3.25	YES						
L0003879	0	0.44670E-06	483509.1	3755363.1	547.6	3.49	4.00
3.25	YES						
L0003880	0	0.44670E-06	483509.2	3755371.7	547.9	3.49	4.00
3.25	YES						
L0003881	0	0.44670E-06	483509.4	3755380.3	548.1	3.49	4.00
3.25	YES						
L0003882	0	0.44670E-06	483509.5	3755388.9	548.3	3.49	4.00
3.25	YES						
L0003883	0	0.44670E-06	483509.7	3755397.5	548.2	3.49	4.00
3.25	YES						
L0003884	0	0.44670E-06	483509.8	3755406.1	548.1	3.49	4.00
3.25	YES						
L0003885	0	0.44670E-06	483510.0	3755414.7	548.0	3.49	4.00
3.25	YES						
L0003886	0	0.16780E-06	484782.1	3755018.5	533.7	3.49	4.00
3.25	YES						
L0003887	0	0.16780E-06	484790.7	3755018.5	533.7	3.49	4.00
3.25	YES						
L0003888	0	0.16780E-06	484799.3	3755018.6	533.7	3.49	4.00
3.25	YES						

L0003889	0	0.16780E-06	484807.9	3755018.6	533.7	3.49	4.00
3.25 YES							
L0003890	0	0.16780E-06	484816.5	3755018.6	533.7	3.49	4.00
3.25 YES							
L0003891	0	0.16780E-06	484825.1	3755018.7	533.7	3.49	4.00
3.25 YES							
L0003892	0	0.16780E-06	484833.7	3755018.7	533.7	3.49	4.00
3.25 YES							
L0003893	0	0.16780E-06	484842.3	3755018.8	533.8	3.49	4.00
3.25 YES							
L0003894	0	0.16780E-06	484850.8	3755018.8	533.8	3.49	4.00
3.25 YES							
L0003895	0	0.16780E-06	484859.4	3755018.8	533.8	3.49	4.00
3.25 YES							

▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003896	0	0.16780E-06	484868.0	3755018.9	533.8	3.49	4.00
3.25 YES							
L0003897	0	0.16780E-06	484876.6	3755018.9	533.6	3.49	4.00
3.25 YES							
L0003898	0	0.16780E-06	484885.2	3755019.0	533.4	3.49	4.00
3.25 YES							
L0003899	0	0.16780E-06	484893.8	3755019.0	533.2	3.49	4.00
3.25 YES							
L0003900	0	0.16780E-06	484902.4	3755019.1	533.0	3.49	4.00
3.25 YES							
L0003901	0	0.16780E-06	484911.0	3755019.1	533.0	3.49	4.00
3.25 YES							
L0003902	0	0.16780E-06	484919.6	3755019.1	533.0	3.49	4.00
3.25 YES							
L0003903	0	0.16780E-06	484928.2	3755019.2	533.0	3.49	4.00
3.25 YES							

L0003904	0	0.16780E-06	484936.7	3755019.2	532.9	3.49	4.00
3.25 YES							
L0003905	0	0.16780E-06	484945.3	3755019.3	532.9	3.49	4.00
3.25 YES							
L0003906	0	0.16780E-06	484953.9	3755019.3	532.8	3.49	4.00
3.25 YES							
L0003907	0	0.16780E-06	484962.5	3755019.4	532.8	3.49	4.00
3.25 YES							
L0003908	0	0.16780E-06	484971.1	3755019.4	532.8	3.49	4.00
3.25 YES							
L0003909	0	0.16780E-06	484979.7	3755019.4	532.8	3.49	4.00
3.25 YES							
L0003910	0	0.16780E-06	484988.3	3755019.5	532.8	3.49	4.00
3.25 YES							
L0003911	0	0.16780E-06	484996.9	3755019.5	532.8	3.49	4.00
3.25 YES							
L0003912	0	0.16780E-06	485005.5	3755019.6	532.8	3.49	4.00
3.25 YES							
L0003913	0	0.16780E-06	485014.1	3755019.6	532.8	3.49	4.00
3.25 YES							
L0003914	0	0.16780E-06	485022.6	3755019.6	532.7	3.49	4.00
3.25 YES							
L0003915	0	0.16780E-06	485031.2	3755019.7	532.4	3.49	4.00
3.25 YES							
L0003916	0	0.16780E-06	485039.8	3755019.7	532.1	3.49	4.00
3.25 YES							
L0003917	0	0.16780E-06	485048.4	3755019.8	531.8	3.49	4.00
3.25 YES							
L0003918	0	0.16780E-06	485057.0	3755019.8	531.8	3.49	4.00
3.25 YES							
L0003919	0	0.16780E-06	485065.6	3755019.9	531.8	3.49	4.00
3.25 YES							
L0003920	0	0.16780E-06	485074.2	3755019.9	531.8	3.49	4.00
3.25 YES							
L0003921	0	0.16780E-06	485082.8	3755019.9	531.8	3.49	4.00
3.25 YES							
L0003922	0	0.16780E-06	485091.4	3755020.0	531.8	3.49	4.00
3.25 YES							
L0003923	0	0.16780E-06	485100.0	3755020.0	531.8	3.49	4.00
3.25 YES							
L0003924	0	0.16780E-06	485108.5	3755020.1	531.8	3.49	4.00
3.25 YES							
L0003925	0	0.16780E-06	485117.1	3755020.1	531.6	3.49	4.00
3.25 YES							
L0003926	0	0.16780E-06	485125.7	3755020.1	531.4	3.49	4.00
3.25 YES							
L0003927	0	0.16780E-06	485134.3	3755020.2	531.1	3.49	4.00
3.25 YES							
L0003928	0	0.16780E-06	485142.9	3755020.2	531.0	3.49	4.00
3.25 YES							

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L0003929      0  0.16780E-06  485151.5  3755020.3  530.9   3.49   4.00
3.25    YES
L0003930      0  0.16780E-06  485160.1  3755020.3  530.9   3.49   4.00
3.25    YES
L0003931      0  0.16780E-06  485168.7  3755020.4  530.8   3.49   4.00
3.25    YES
L0003932      0  0.16780E-06  485177.3  3755020.4  530.8   3.49   4.00
3.25    YES
L0003933      0  0.16780E-06  485185.8  3755020.4  530.8   3.49   4.00
3.25    YES
L0003934      0  0.16780E-06  485194.4  3755020.5  530.8   3.49   4.00
3.25    YES
L0003935      0  0.16780E-06  485203.0  3755020.5  530.8   3.49   4.00
3.25    YES

```

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▲ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                         ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
***                               ***   12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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L0003936      0  0.16780E-06  485211.6  3755020.6  530.8   3.49   4.00
3.25    YES
L0003937      0  0.16780E-06  485220.2  3755020.6  530.8   3.49   4.00
3.25    YES
L0003938      0  0.16780E-06  485228.8  3755020.7  530.8   3.49   4.00
3.25    YES
L0003939      0  0.16780E-06  485237.4  3755020.7  530.6   3.49   4.00
3.25    YES
L0003940      0  0.16780E-06  485246.0  3755020.7  530.4   3.49   4.00
3.25    YES
L0003941      0  0.16780E-06  485254.6  3755020.8  530.1   3.49   4.00
3.25    YES
L0003942      0  0.16780E-06  485263.2  3755020.8  530.0   3.49   4.00
3.25    YES
L0003943      0  0.16780E-06  485271.7  3755020.9  529.9   3.49   4.00
3.25    YES

```


L0003944	0	0.16780E-06	485280.3	3755020.9	529.9	3.49	4.00
3.25 YES							
L0003945	0	0.16780E-06	485288.9	3755020.9	529.8	3.49	4.00
3.25 YES							
L0003946	0	0.16780E-06	485297.5	3755021.0	529.8	3.49	4.00
3.25 YES							
L0003947	0	0.16780E-06	485306.1	3755021.0	529.8	3.49	4.00
3.25 YES							
L0003948	0	0.16780E-06	485314.7	3755021.1	529.8	3.49	4.00
3.25 YES							
L0003949	0	0.16780E-06	485323.3	3755021.1	529.8	3.49	4.00
3.25 YES							
L0003950	0	0.16780E-06	485331.9	3755021.2	529.8	3.49	4.00
3.25 YES							
L0003951	0	0.16780E-06	485340.5	3755021.2	529.8	3.49	4.00
3.25 YES							
L0003952	0	0.16780E-06	485349.1	3755021.2	529.8	3.49	4.00
3.25 YES							
L0003953	0	0.16780E-06	485357.6	3755021.3	529.6	3.49	4.00
3.25 YES							
L0003954	0	0.16780E-06	485366.2	3755021.3	529.4	3.49	4.00
3.25 YES							
L0003955	0	0.16780E-06	485374.8	3755021.4	529.1	3.49	4.00
3.25 YES							
L0003956	0	0.16780E-06	485383.4	3755021.4	529.0	3.49	4.00
3.25 YES							
L0003957	0	0.16780E-06	485392.0	3755021.5	528.9	3.49	4.00
3.25 YES							
L0003958	0	0.16780E-06	485400.6	3755021.5	528.9	3.49	4.00
3.25 YES							
L0003959	0	0.16780E-06	485409.2	3755021.5	528.8	3.49	4.00
3.25 YES							
L0003960	0	0.16780E-06	485417.8	3755021.6	528.8	3.49	4.00
3.25 YES							
L0003961	0	0.16780E-06	485426.4	3755021.6	528.8	3.49	4.00
3.25 YES							
L0003962	0	0.16780E-06	485435.0	3755021.7	528.8	3.49	4.00
3.25 YES							
L0003963	0	0.16780E-06	485443.5	3755021.7	528.8	3.49	4.00
3.25 YES							
L0003964	0	0.16780E-06	485452.1	3755021.7	528.8	3.49	4.00
3.25 YES							
L0003965	0	0.16780E-06	485460.7	3755021.8	528.8	3.49	4.00
3.25 YES							
L0003966	0	0.16780E-06	485469.3	3755021.8	528.8	3.49	4.00
3.25 YES							
L0003967	0	0.16780E-06	485477.9	3755021.9	528.8	3.49	4.00
3.25 YES							
L0003968	0	0.16780E-06	485486.5	3755021.9	528.8	3.49	4.00
3.25 YES							

L0003969	0	0.16780E-06	485495.1	3755022.0	528.8	3.49	4.00
3.25	YES						
L0003970	0	0.16780E-06	485503.7	3755022.0	528.8	3.49	4.00
3.25	YES						
L0003971	0	0.16780E-06	485512.3	3755022.0	528.9	3.49	4.00
3.25	YES						
L0003972	0	0.16780E-06	485514.2	3755028.6	529.0	3.49	4.00
3.25	YES						
L0003973	0	0.16780E-06	485514.0	3755037.2	529.0	3.49	4.00
3.25	YES						
L0003974	0	0.16780E-06	485513.9	3755045.7	529.0	3.49	4.00
3.25	YES						
L0003975	0	0.16780E-06	485513.7	3755054.3	529.0	3.49	4.00
3.25	YES						

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^ *** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***      05/27/20
*** AERMET - VERSION 16216 ***      ***
***                               ***      12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0003976	0	0.16780E-06	485513.5	3755062.9	529.2	3.49	4.00
3.25	YES						
L0003977	0	0.16780E-06	485513.3	3755071.5	529.5	3.49	4.00
3.25	YES						
L0003978	0	0.16780E-06	485513.1	3755080.1	529.8	3.49	4.00
3.25	YES						
L0003979	0	0.16780E-06	485513.0	3755088.7	530.1	3.49	4.00
3.25	YES						
L0003980	0	0.16780E-06	485512.8	3755097.3	530.4	3.49	4.00
3.25	YES						
L0003981	0	0.16780E-06	485512.6	3755105.9	530.6	3.49	4.00
3.25	YES						
L0003982	0	0.16780E-06	485512.4	3755114.5	530.9	3.49	4.00
3.25	YES						
L0003983	0	0.16780E-06	485512.3	3755123.0	531.1	3.49	4.00
3.25	YES						

L0003984	0	0.16780E-06	485512.1	3755131.6	531.2	3.49	4.00
3.25 YES							
L0003985	0	0.16780E-06	485511.9	3755140.2	531.3	3.49	4.00
3.25 YES							
L0003986	0	0.16780E-06	485511.7	3755148.8	531.4	3.49	4.00
3.25 YES							
L0003987	0	0.16780E-06	485511.6	3755157.4	531.6	3.49	4.00
3.25 YES							
L0003988	0	0.16780E-06	485511.4	3755166.0	531.8	3.49	4.00
3.25 YES							
L0003989	0	0.16780E-06	485511.2	3755174.6	532.0	3.49	4.00
3.25 YES							
L0003990	0	0.16780E-06	485511.0	3755183.2	532.2	3.49	4.00
3.25 YES							
L0003991	0	0.16780E-06	485510.9	3755191.7	532.5	3.49	4.00
3.25 YES							
L0003992	0	0.27970E-06	484782.1	3755018.5	533.7	3.49	4.00
3.25 YES							
L0003993	0	0.27970E-06	484790.7	3755018.5	533.7	3.49	4.00
3.25 YES							
L0003994	0	0.27970E-06	484799.3	3755018.6	533.7	3.49	4.00
3.25 YES							
L0003995	0	0.27970E-06	484807.9	3755018.6	533.7	3.49	4.00
3.25 YES							
L0003996	0	0.27970E-06	484816.5	3755018.6	533.7	3.49	4.00
3.25 YES							
L0003997	0	0.27970E-06	484825.1	3755018.7	533.7	3.49	4.00
3.25 YES							
L0003998	0	0.27970E-06	484833.7	3755018.7	533.7	3.49	4.00
3.25 YES							
L0003999	0	0.27970E-06	484842.3	3755018.8	533.8	3.49	4.00
3.25 YES							
L0004000	0	0.27970E-06	484850.8	3755018.8	533.8	3.49	4.00
3.25 YES							
L0004001	0	0.27970E-06	484859.4	3755018.8	533.8	3.49	4.00
3.25 YES							
L0004002	0	0.27970E-06	484868.0	3755018.9	533.8	3.49	4.00
3.25 YES							
L0004003	0	0.27970E-06	484876.6	3755018.9	533.6	3.49	4.00
3.25 YES							
L0004004	0	0.27970E-06	484885.2	3755019.0	533.4	3.49	4.00
3.25 YES							
L0004005	0	0.27970E-06	484893.8	3755019.0	533.2	3.49	4.00
3.25 YES							
L0004006	0	0.27970E-06	484902.4	3755019.1	533.0	3.49	4.00
3.25 YES							
L0004007	0	0.27970E-06	484911.0	3755019.1	533.0	3.49	4.00
3.25 YES							
L0004008	0	0.27970E-06	484919.6	3755019.1	533.0	3.49	4.00
3.25 YES							

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L0004009          0  0.27970E-06  484928.2  3755019.2   533.0    3.49    4.00
3.25      YES
L0004010          0  0.27970E-06  484936.7  3755019.2   532.9    3.49    4.00
3.25      YES
L0004011          0  0.27970E-06  484945.3  3755019.3   532.9    3.49    4.00
3.25      YES
L0004012          0  0.27970E-06  484953.9  3755019.3   532.8    3.49    4.00
3.25      YES
L0004013          0  0.27970E-06  484962.5  3755019.4   532.8    3.49    4.00
3.25      YES
L0004014          0  0.27970E-06  484971.1  3755019.4   532.8    3.49    4.00
3.25      YES
L0004015          0  0.27970E-06  484979.7  3755019.4   532.8    3.49    4.00
3.25      YES

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^ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                ***       05/27/20
*** AERMET - VERSION  16216 ***   ***
***                   ***       12:07:08

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*** MODELOPTs:  RegDFault  CONC  ELEV  URBAN  ADJ_U*

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION RATE	PART. (GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY		(METERS)	(METERS)	(METERS)	(METERS)
L0004016		0	0.27970E-06	484988.3	3755019.5	532.8	4.00
3.25	YES						
L0004017		0	0.27970E-06	484996.9	3755019.5	532.8	4.00
3.25	YES						
L0004018		0	0.27970E-06	485005.5	3755019.6	532.8	4.00
3.25	YES						
L0004019		0	0.27970E-06	485014.1	3755019.6	532.8	4.00
3.25	YES						
L0004020		0	0.27970E-06	485022.6	3755019.6	532.7	4.00
3.25	YES						
L0004021		0	0.27970E-06	485031.2	3755019.7	532.4	4.00
3.25	YES						
L0004022		0	0.27970E-06	485039.8	3755019.7	532.1	4.00
3.25	YES						
L0004023		0	0.27970E-06	485048.4	3755019.8	531.8	4.00
3.25	YES						

L0004024	0	0.27970E-06	485057.0	3755019.8	531.8	3.49	4.00
3.25	YES						
L0004025	0	0.27970E-06	485065.6	3755019.9	531.8	3.49	4.00
3.25	YES						
L0004026	0	0.27970E-06	485074.2	3755019.9	531.8	3.49	4.00
3.25	YES						
L0004027	0	0.27970E-06	485082.8	3755019.9	531.8	3.49	4.00
3.25	YES						
L0004028	0	0.27970E-06	485091.4	3755020.0	531.8	3.49	4.00
3.25	YES						
L0004029	0	0.27970E-06	485100.0	3755020.0	531.8	3.49	4.00
3.25	YES						
L0004030	0	0.27970E-06	485108.5	3755020.1	531.8	3.49	4.00
3.25	YES						
L0004031	0	0.27970E-06	485117.1	3755020.1	531.6	3.49	4.00
3.25	YES						
L0004032	0	0.27970E-06	485125.7	3755020.1	531.4	3.49	4.00
3.25	YES						
L0004033	0	0.27970E-06	485134.3	3755020.2	531.1	3.49	4.00
3.25	YES						
L0004034	0	0.27970E-06	485142.9	3755020.2	531.0	3.49	4.00
3.25	YES						
L0004035	0	0.27970E-06	485151.5	3755020.3	530.9	3.49	4.00
3.25	YES						
L0004036	0	0.27970E-06	485160.1	3755020.3	530.9	3.49	4.00
3.25	YES						
L0004037	0	0.27970E-06	485168.7	3755020.4	530.8	3.49	4.00
3.25	YES						
L0004038	0	0.27970E-06	485177.3	3755020.4	530.8	3.49	4.00
3.25	YES						
L0004039	0	0.27970E-06	485185.8	3755020.4	530.8	3.49	4.00
3.25	YES						
L0004040	0	0.27970E-06	485194.4	3755020.5	530.8	3.49	4.00
3.25	YES						
L0004041	0	0.27970E-06	485203.0	3755020.5	530.8	3.49	4.00
3.25	YES						
L0004042	0	0.27970E-06	485211.6	3755020.6	530.8	3.49	4.00
3.25	YES						
L0004043	0	0.27970E-06	485220.2	3755020.6	530.8	3.49	4.00
3.25	YES						
L0004044	0	0.27970E-06	485228.8	3755020.7	530.8	3.49	4.00
3.25	YES						
L0004045	0	0.27970E-06	485237.4	3755020.7	530.6	3.49	4.00
3.25	YES						
L0004046	0	0.27970E-06	485246.0	3755020.7	530.4	3.49	4.00
3.25	YES						
L0004047	0	0.27970E-06	485254.6	3755020.8	530.1	3.49	4.00
3.25	YES						
L0004048	0	0.27970E-06	485263.2	3755020.8	530.0	3.49	4.00
3.25	YES						

L0004049	0	0.27970E-06	485271.7	3755020.9	529.9	3.49	4.00
3.25	YES						
L0004050	0	0.27970E-06	485280.3	3755020.9	529.9	3.49	4.00
3.25	YES						
L0004051	0	0.27970E-06	485288.9	3755020.9	529.8	3.49	4.00
3.25	YES						
L0004052	0	0.27970E-06	485297.5	3755021.0	529.8	3.49	4.00
3.25	YES						
L0004053	0	0.27970E-06	485306.1	3755021.0	529.8	3.49	4.00
3.25	YES						
L0004054	0	0.27970E-06	485314.7	3755021.1	529.8	3.49	4.00
3.25	YES						
L0004055	0	0.27970E-06	485323.3	3755021.1	529.8	3.49	4.00
3.25	YES						

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*** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                        ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
***                               ***   12:07:08

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PAGE 19

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004056	0	0.27970E-06	485331.9	3755021.2	529.8	3.49	4.00
3.25	YES						
L0004057	0	0.27970E-06	485340.5	3755021.2	529.8	3.49	4.00
3.25	YES						
L0004058	0	0.27970E-06	485349.1	3755021.2	529.8	3.49	4.00
3.25	YES						
L0004059	0	0.27970E-06	485357.6	3755021.3	529.6	3.49	4.00
3.25	YES						
L0004060	0	0.27970E-06	485366.2	3755021.3	529.4	3.49	4.00
3.25	YES						
L0004061	0	0.27970E-06	485374.8	3755021.4	529.1	3.49	4.00
3.25	YES						
L0004062	0	0.27970E-06	485383.4	3755021.4	529.0	3.49	4.00
3.25	YES						
L0004063	0	0.27970E-06	485392.0	3755021.5	528.9	3.49	4.00
3.25	YES						

L0004064	0	0.27970E-06	485400.6	3755021.5	528.9	3.49	4.00
3.25	YES						
L0004065	0	0.27970E-06	485409.2	3755021.5	528.8	3.49	4.00
3.25	YES						
L0004066	0	0.27970E-06	485417.8	3755021.6	528.8	3.49	4.00
3.25	YES						
L0004067	0	0.27970E-06	485426.4	3755021.6	528.8	3.49	4.00
3.25	YES						
L0004068	0	0.27970E-06	485435.0	3755021.7	528.8	3.49	4.00
3.25	YES						
L0004069	0	0.27970E-06	485443.5	3755021.7	528.8	3.49	4.00
3.25	YES						
L0004070	0	0.27970E-06	485452.1	3755021.7	528.8	3.49	4.00
3.25	YES						
L0004071	0	0.27970E-06	485460.7	3755021.8	528.8	3.49	4.00
3.25	YES						
L0004072	0	0.27970E-06	485469.3	3755021.8	528.8	3.49	4.00
3.25	YES						
L0004073	0	0.27970E-06	485477.9	3755021.9	528.8	3.49	4.00
3.25	YES						
L0004074	0	0.27970E-06	485486.5	3755021.9	528.8	3.49	4.00
3.25	YES						
L0004075	0	0.27970E-06	485495.1	3755022.0	528.8	3.49	4.00
3.25	YES						
L0004076	0	0.27970E-06	485503.7	3755022.0	528.8	3.49	4.00
3.25	YES						
L0004077	0	0.27970E-06	485512.3	3755022.0	528.9	3.49	4.00
3.25	YES						
L0004078	0	0.27970E-06	485514.2	3755028.6	529.0	3.49	4.00
3.25	YES						
L0004079	0	0.27970E-06	485514.0	3755037.2	529.0	3.49	4.00
3.25	YES						
L0004080	0	0.27970E-06	485513.9	3755045.7	529.0	3.49	4.00
3.25	YES						
L0004081	0	0.27970E-06	485513.7	3755054.3	529.0	3.49	4.00
3.25	YES						
L0004082	0	0.27970E-06	485513.5	3755062.9	529.2	3.49	4.00
3.25	YES						
L0004083	0	0.27970E-06	485513.3	3755071.5	529.5	3.49	4.00
3.25	YES						
L0004084	0	0.27970E-06	485513.1	3755080.1	529.8	3.49	4.00
3.25	YES						
L0004085	0	0.27970E-06	485513.0	3755088.7	530.1	3.49	4.00
3.25	YES						
L0004086	0	0.27970E-06	485512.8	3755097.3	530.4	3.49	4.00
3.25	YES						
L0004087	0	0.27970E-06	485512.6	3755105.9	530.6	3.49	4.00
3.25	YES						
L0004088	0	0.27970E-06	485512.4	3755114.5	530.9	3.49	4.00
3.25	YES						

L0004089	0	0.27970E-06	485512.3	3755123.0	531.1	3.49	4.00
3.25	YES						
L0004090	0	0.27970E-06	485512.1	3755131.6	531.2	3.49	4.00
3.25	YES						
L0004091	0	0.27970E-06	485511.9	3755140.2	531.3	3.49	4.00
3.25	YES						
L0004092	0	0.27970E-06	485511.7	3755148.8	531.4	3.49	4.00
3.25	YES						
L0004093	0	0.27970E-06	485511.6	3755157.4	531.6	3.49	4.00
3.25	YES						
L0004094	0	0.27970E-06	485511.4	3755166.0	531.8	3.49	4.00
3.25	YES						
L0004095	0	0.27970E-06	485511.2	3755174.6	532.0	3.49	4.00
3.25	YES						

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 12:07:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004096	0	0.27970E-06	485511.0	3755183.2	532.2	3.49	4.00
3.25	YES						
L0004097	0	0.27970E-06	485510.9	3755191.7	532.5	3.49	4.00
3.25	YES						
L0004098	0	0.55870E-07	485406.6	3755019.8	528.8	0.00	4.00
3.25	YES						
L0004099	0	0.55870E-07	485415.2	3755020.0	528.8	0.00	4.00
3.25	YES						
L0004100	0	0.55870E-07	485423.8	3755020.2	528.8	0.00	4.00
3.25	YES						
L0004101	0	0.55870E-07	485432.4	3755020.4	528.8	0.00	4.00
3.25	YES						
L0004102	0	0.55870E-07	485441.0	3755020.5	528.8	0.00	4.00
3.25	YES						
L0004103	0	0.55870E-07	485449.6	3755020.7	528.8	0.00	4.00
3.25	YES						

L0004104	0	0.55870E-07	485458.1	3755020.9	528.8	0.00	4.00
3.25	YES						
L0004105	0	0.55870E-07	485466.7	3755021.1	528.8	0.00	4.00
3.25	YES						
L0004106	0	0.55870E-07	485475.3	3755021.2	528.8	0.00	4.00
3.25	YES						
L0004107	0	0.55870E-07	485483.9	3755021.4	528.8	0.00	4.00
3.25	YES						
L0004108	0	0.55870E-07	485492.5	3755021.6	528.8	0.00	4.00
3.25	YES						
L0004109	0	0.55870E-07	485501.1	3755021.8	528.8	0.00	4.00
3.25	YES						
L0004110	0	0.55870E-07	485509.7	3755022.0	528.8	0.00	4.00
3.25	YES						
L0004111	0	0.55870E-07	485514.3	3755026.0	529.0	0.00	4.00
3.25	YES						
L0004112	0	0.55870E-07	485514.3	3755034.6	529.0	0.00	4.00
3.25	YES						
L0004113	0	0.55870E-07	485514.2	3755043.2	529.0	0.00	4.00
3.25	YES						
L0004114	0	0.55870E-07	485514.2	3755051.7	529.0	0.00	4.00
3.25	YES						
L0004115	0	0.55870E-07	485514.1	3755060.3	529.1	0.00	4.00
3.25	YES						
L0004116	0	0.55870E-07	485514.1	3755068.9	529.4	0.00	4.00
3.25	YES						
L0004117	0	0.55870E-07	485514.0	3755077.5	529.7	0.00	4.00
3.25	YES						
L0004118	0	0.55870E-07	485514.0	3755086.1	530.0	0.00	4.00
3.25	YES						
L0004119	0	0.55870E-07	485514.0	3755094.7	530.3	0.00	4.00
3.25	YES						
L0004120	0	0.55870E-07	485513.9	3755103.3	530.6	0.00	4.00
3.25	YES						
L0004121	0	0.55870E-07	485513.9	3755111.9	530.8	0.00	4.00
3.25	YES						
L0004122	0	0.55870E-07	485513.8	3755120.5	531.1	0.00	4.00
3.25	YES						
L0004123	0	0.55870E-07	485513.8	3755129.1	531.2	0.00	4.00
3.25	YES						
L0004124	0	0.55870E-07	485513.7	3755137.6	531.3	0.00	4.00
3.25	YES						
L0004125	0	0.55870E-07	485513.7	3755146.2	531.4	0.00	4.00
3.25	YES						
L0004126	0	0.55870E-07	485513.6	3755154.8	531.6	0.00	4.00
3.25	YES						
L0004127	0	0.55870E-07	485513.6	3755163.4	531.8	0.00	4.00
3.25	YES						
L0004128	0	0.55870E-07	485513.6	3755172.0	531.9	0.00	4.00
3.25	YES						

L0004129	0	0.55870E-07	485513.5	3755180.6	532.1	0.00	4.00
3.25	YES						
L0004130	0	0.55870E-07	485513.5	3755189.2	532.4	0.00	4.00
3.25	YES						
L0004131	0	0.55870E-07	485513.4	3755197.8	532.7	0.00	4.00
3.25	YES						
L0004132	0	0.55870E-07	485513.4	3755206.4	533.0	0.00	4.00
3.25	YES						
L0004133	0	0.55870E-07	485513.3	3755215.0	533.6	0.00	4.00
3.25	YES						
L0004134	0	0.55870E-07	485513.3	3755223.5	534.1	0.00	4.00
3.25	YES						
L0004135	0	0.55870E-07	485513.3	3755232.1	534.7	0.00	4.00
3.25	YES						

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▲ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
***                               ***   12:07:08
  
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004136	0	0.55870E-07	485513.2	3755240.7	535.1	0.00	4.00
3.25	YES						
L0004137	0	0.55870E-07	485513.2	3755249.3	535.4	0.00	4.00
3.25	YES						
L0004138	0	0.55870E-07	485513.1	3755257.9	535.7	0.00	4.00
3.25	YES						
L0004139	0	0.55870E-07	485513.1	3755266.5	536.0	0.00	4.00
3.25	YES						
L0004140	0	0.55870E-07	485513.0	3755275.1	536.0	0.00	4.00
3.25	YES						
L0004141	0	0.55870E-07	485513.0	3755283.7	536.0	0.00	4.00
3.25	YES						
L0004142	0	0.55870E-07	485512.9	3755292.3	536.0	0.00	4.00
3.25	YES						
L0004143	0	0.55870E-07	485513.0	3755300.9	536.0	0.00	4.00
3.25	YES						

L0004144	0	0.55870E-07	485513.1	3755309.4	536.0	0.00	4.00
3.25	YES						
L0004145	0	0.55870E-07	485513.2	3755318.0	536.0	0.00	4.00
3.25	YES						
L0004146	0	0.55870E-07	485513.3	3755326.6	536.0	0.00	4.00
3.25	YES						
L0004147	0	0.55870E-07	485513.4	3755335.2	536.1	0.00	4.00
3.25	YES						
L0004148	0	0.55870E-07	485513.5	3755343.8	536.3	0.00	4.00
3.25	YES						
L0004149	0	0.55870E-07	485513.6	3755352.4	536.4	0.00	4.00
3.25	YES						
L0004150	0	0.55870E-07	485513.7	3755361.0	536.5	0.00	4.00
3.25	YES						
L0004151	0	0.55870E-07	485513.8	3755369.6	536.7	0.00	4.00
3.25	YES						
L0004152	0	0.55870E-07	485513.9	3755378.2	536.8	0.00	4.00
3.25	YES						
L0004153	0	0.55870E-07	485514.0	3755386.7	537.0	0.00	4.00
3.25	YES						
L0004154	0	0.55870E-07	485514.1	3755395.3	537.3	0.00	4.00
3.25	YES						
L0004155	0	0.55870E-07	485514.2	3755403.9	537.6	0.00	4.00
3.25	YES						
L0004156	0	0.55870E-07	485514.3	3755412.5	537.9	0.00	4.00
3.25	YES						
L0004157	0	0.55870E-07	485514.4	3755421.1	538.1	0.00	4.00
3.25	YES						
L0004158	0	0.55870E-07	485514.5	3755429.7	538.2	0.00	4.00
3.25	YES						
L0004159	0	0.55870E-07	485514.6	3755438.3	538.4	0.00	4.00
3.25	YES						
L0004160	0	0.55870E-07	485514.7	3755446.9	538.5	0.00	4.00
3.25	YES						
L0004161	0	0.55870E-07	485514.8	3755455.5	538.7	0.00	4.00
3.25	YES						
L0004162	0	0.55870E-07	485514.9	3755464.1	538.8	0.00	4.00
3.25	YES						
L0004163	0	0.55870E-07	485515.0	3755472.6	538.9	0.00	4.00
3.25	YES						
L0004164	0	0.55870E-07	485515.1	3755481.2	539.2	0.00	4.00
3.25	YES						
L0004165	0	0.55870E-07	485515.2	3755489.8	539.4	0.00	4.00
3.25	YES						
L0004166	0	0.55870E-07	485515.3	3755498.4	539.7	0.00	4.00
3.25	YES						
L0004167	0	0.55870E-07	485515.3	3755507.0	540.0	0.00	4.00
3.25	YES						
L0004168	0	0.55870E-07	485515.4	3755515.6	540.3	0.00	4.00
3.25	YES						

L0004169 0 0.55870E-07 485515.5 3755524.2 540.6 0.00 4.00
3.25 YES
L0004170 0 0.55870E-07 485515.6 3755532.8 540.9 0.00 4.00
3.25 YES
L0004171 0 0.55870E-07 485515.7 3755541.4 541.0 0.00 4.00
3.25 YES
L0004172 0 0.55870E-07 485515.8 3755549.9 541.0 0.00 4.00
3.25 YES
L0004173 0 0.55870E-07 485515.9 3755558.5 541.0 0.00 4.00
3.25 YES
L0004174 0 0.55870E-07 485516.0 3755567.1 541.0 0.00 4.00
3.25 YES
L0004175 0 0.55870E-07 485516.1 3755575.7 541.3 0.00 4.00
3.25 YES

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004176 0 0.55870E-07 485516.2 3755584.3 541.6 0.00 4.00
3.25 YES
L0004177 0 0.55870E-07 485516.3 3755592.9 541.9 0.00 4.00
3.25 YES
L0004178 0 0.55870E-07 485516.4 3755601.5 542.2 0.00 4.00
3.25 YES
L0004179 0 0.55870E-07 485516.5 3755610.1 542.5 0.00 4.00
3.25 YES
L0004180 0 0.55870E-07 485516.6 3755618.7 542.7 0.00 4.00
3.25 YES
L0004181 0 0.55870E-07 485516.7 3755627.3 543.0 0.00 4.00
3.25 YES
L0004182 0 0.55870E-07 485516.8 3755635.8 543.3 0.00 4.00
3.25 YES
L0004183 0 0.55870E-07 485516.9 3755644.4 543.6 0.00 4.00
3.25 YES

L0004184	0	0.55870E-07	485517.0	3755653.0	543.9	0.00	4.00
3.25 YES							
L0004185	0	0.55870E-07	485517.1	3755661.6	544.0	0.00	4.00
3.25 YES							
L0004186	0	0.55870E-07	485517.2	3755670.2	544.0	0.00	4.00
3.25 YES							
L0004187	0	0.16630E-06	485512.5	3754719.0	521.8	3.49	4.00
3.25 YES							
L0004188	0	0.16630E-06	485512.5	3754727.6	522.0	3.49	4.00
3.25 YES							
L0004189	0	0.16630E-06	485512.5	3754736.2	522.2	3.49	4.00
3.25 YES							
L0004190	0	0.16630E-06	485512.5	3754744.8	522.4	3.49	4.00
3.25 YES							
L0004191	0	0.16630E-06	485512.5	3754753.4	522.5	3.49	4.00
3.25 YES							
L0004192	0	0.16630E-06	485512.5	3754761.9	522.7	3.49	4.00
3.25 YES							
L0004193	0	0.16630E-06	485512.5	3754770.5	522.8	3.49	4.00
3.25 YES							
L0004194	0	0.16630E-06	485512.5	3754779.1	522.9	3.49	4.00
3.25 YES							
L0004195	0	0.16630E-06	485512.5	3754787.7	523.0	3.49	4.00
3.25 YES							
L0004196	0	0.16630E-06	485512.5	3754796.3	523.3	3.49	4.00
3.25 YES							
L0004197	0	0.16630E-06	485512.5	3754804.9	523.6	3.49	4.00
3.25 YES							
L0004198	0	0.16630E-06	485512.5	3754813.5	523.9	3.49	4.00
3.25 YES							
L0004199	0	0.16630E-06	485512.5	3754822.1	524.2	3.49	4.00
3.25 YES							
L0004200	0	0.16630E-06	485512.5	3754830.7	524.5	3.49	4.00
3.25 YES							
L0004201	0	0.16630E-06	485512.5	3754839.3	524.8	3.49	4.00
3.25 YES							
L0004202	0	0.16630E-06	485512.5	3754847.8	525.0	3.49	4.00
3.25 YES							
L0004203	0	0.16630E-06	485512.5	3754856.4	525.0	3.49	4.00
3.25 YES							
L0004204	0	0.16630E-06	485512.5	3754865.0	525.0	3.49	4.00
3.25 YES							
L0004205	0	0.16630E-06	485512.5	3754873.6	525.0	3.49	4.00
3.25 YES							
L0004206	0	0.16630E-06	485512.5	3754882.2	525.2	3.49	4.00
3.25 YES							
L0004207	0	0.16630E-06	485512.5	3754890.8	525.5	3.49	4.00
3.25 YES							
L0004208	0	0.16630E-06	485512.5	3754899.4	525.8	3.49	4.00
3.25 YES							

L0004209	0	0.16630E-06	485512.5	3754908.0	526.0	3.49	4.00
3.25 YES							
L0004210	0	0.16630E-06	485512.5	3754916.6	526.3	3.49	4.00
3.25 YES							
L0004211	0	0.16630E-06	485512.5	3754925.2	526.6	3.49	4.00
3.25 YES							
L0004212	0	0.16630E-06	485512.5	3754933.7	526.9	3.49	4.00
3.25 YES							
L0004213	0	0.16630E-06	485512.5	3754942.3	527.0	3.49	4.00
3.25 YES							
L0004214	0	0.16630E-06	485512.5	3754950.9	527.0	3.49	4.00
3.25 YES							
L0004215	0	0.16630E-06	485512.5	3754959.5	527.0	3.49	4.00
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 *** ***
 *** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004216	0	0.16630E-06	485512.5	3754968.1	527.1	3.49	4.00
3.25 YES							
L0004217	0	0.16630E-06	485512.5	3754976.7	527.3	3.49	4.00
3.25 YES							
L0004218	0	0.16630E-06	485512.5	3754985.3	527.6	3.49	4.00
3.25 YES							
L0004219	0	0.16630E-06	485512.5	3754993.9	527.9	3.49	4.00
3.25 YES							
L0004220	0	0.16630E-06	485512.5	3755002.5	528.2	3.49	4.00
3.25 YES							
L0004221	0	0.16630E-06	485512.5	3755011.1	528.5	3.49	4.00
3.25 YES							
L0004222	0	0.16630E-06	485512.5	3755019.6	528.8	3.49	4.00
3.25 YES							
L0004223	0	0.16630E-06	485512.5	3755028.2	529.0	3.49	4.00
3.25 YES							

L0004224	0	0.16630E-06	485512.5	3755036.8	529.0	3.49	4.00
3.25	YES						
L0004225	0	0.16630E-06	485512.5	3755045.4	529.0	3.49	4.00
3.25	YES						
L0004226	0	0.16630E-06	485512.5	3755054.0	529.0	3.49	4.00
3.25	YES						
L0004227	0	0.16630E-06	485512.5	3755062.6	529.2	3.49	4.00
3.25	YES						
L0004228	0	0.16630E-06	485512.5	3755071.2	529.5	3.49	4.00
3.25	YES						
L0004229	0	0.16630E-06	485512.5	3755079.8	529.8	3.49	4.00
3.25	YES						
L0004230	0	0.16630E-06	485512.5	3755088.4	530.1	3.49	4.00
3.25	YES						
L0004231	0	0.16630E-06	485512.5	3755097.0	530.3	3.49	4.00
3.25	YES						
L0004232	0	0.16630E-06	485512.5	3755105.5	530.6	3.49	4.00
3.25	YES						
L0004233	0	0.16630E-06	485512.5	3755114.1	530.9	3.49	4.00
3.25	YES						
L0004234	0	0.16630E-06	485512.5	3755122.7	531.1	3.49	4.00
3.25	YES						
L0004235	0	0.16630E-06	485512.5	3755131.3	531.2	3.49	4.00
3.25	YES						
L0004236	0	0.16630E-06	485512.5	3755139.9	531.3	3.49	4.00
3.25	YES						
L0004237	0	0.16630E-06	485512.5	3755148.5	531.4	3.49	4.00
3.25	YES						
L0004238	0	0.16630E-06	485512.5	3755157.1	531.6	3.49	4.00
3.25	YES						
L0004239	0	0.16630E-06	485512.5	3755165.7	531.8	3.49	4.00
3.25	YES						
L0004240	0	0.16630E-06	485512.5	3755174.3	532.0	3.49	4.00
3.25	YES						
L0004241	0	0.16630E-06	485512.5	3755182.9	532.2	3.49	4.00
3.25	YES						
L0004242	0	0.16630E-06	485512.5	3755191.4	532.5	3.49	4.00
3.25	YES						
L0004243	0	0.55510E-07	485510.9	3755208.0	533.1	3.49	4.00
3.25	YES						
L0004244	0	0.55510E-07	485511.0	3755216.6	533.7	3.49	4.00
3.25	YES						
L0004245	0	0.55510E-07	485511.1	3755225.2	534.2	3.49	4.00
3.25	YES						
L0004246	0	0.55510E-07	485511.2	3755233.8	534.8	3.49	4.00
3.25	YES						
L0004247	0	0.55510E-07	485511.3	3755242.4	535.2	3.49	4.00
3.25	YES						
L0004248	0	0.55510E-07	485511.4	3755250.9	535.5	3.49	4.00
3.25	YES						

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L0004249      0  0.55510E-07  485511.5  3755259.5   535.8    3.49    4.00
3.25  YES
L0004250      0  0.55510E-07  485511.6  3755268.1   536.0    3.49    4.00
3.25  YES
L0004251      0  0.55510E-07  485511.7  3755276.7   536.0    3.49    4.00
3.25  YES
L0004252      0  0.55510E-07  485511.8  3755285.3   536.0    3.49    4.00
3.25  YES
L0004253      0  0.55510E-07  485511.9  3755293.9   536.0    3.49    4.00
3.25  YES
L0004254      0  0.55510E-07  485512.0  3755302.5   536.0    3.49    4.00
3.25  YES
L0004255      0  0.55510E-07  485512.1  3755311.1   536.0    3.49    4.00
3.25  YES

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▲ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC                               ***   05/27/20
*** AERMET - VERSION 16216 ***   ***
***                               ***   12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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L0004256      0  0.55510E-07  485512.2  3755319.7   536.0    3.49    4.00
3.25  YES
L0004257      0  0.55510E-07  485512.3  3755328.2   536.0    3.49    4.00
3.25  YES
L0004258      0  0.55510E-07  485512.4  3755336.8   536.1    3.49    4.00
3.25  YES
L0004259      0  0.55510E-07  485512.5  3755345.4   536.3    3.49    4.00
3.25  YES
L0004260      0  0.55510E-07  485512.6  3755354.0   536.4    3.49    4.00
3.25  YES
L0004261      0  0.55510E-07  485512.7  3755362.6   536.5    3.49    4.00
3.25  YES
L0004262      0  0.55510E-07  485512.8  3755371.2   536.7    3.49    4.00
3.25  YES
L0004263      0  0.55510E-07  485512.9  3755379.8   536.9    3.49    4.00
3.25  YES

```


L0004264	0	0.55510E-07	485513.1	3755388.4	537.1	3.49	4.00
3.25	YES						
L0004265	0	0.55510E-07	485513.2	3755397.0	537.3	3.49	4.00
3.25	YES						
L0004266	0	0.55510E-07	485513.3	3755405.6	537.6	3.49	4.00
3.25	YES						
L0004267	0	0.55510E-07	485513.4	3755414.1	537.9	3.49	4.00
3.25	YES						
L0004268	0	0.55510E-07	485513.5	3755422.7	538.1	3.49	4.00
3.25	YES						
L0004269	0	0.55510E-07	485513.6	3755431.3	538.3	3.49	4.00
3.25	YES						
L0004270	0	0.55510E-07	485513.7	3755439.9	538.4	3.49	4.00
3.25	YES						
L0004271	0	0.55510E-07	485513.8	3755448.5	538.6	3.49	4.00
3.25	YES						
L0004272	0	0.55510E-07	485513.9	3755457.1	538.7	3.49	4.00
3.25	YES						
L0004273	0	0.55510E-07	485514.0	3755465.7	538.8	3.49	4.00
3.25	YES						
L0004274	0	0.55510E-07	485514.1	3755474.3	539.0	3.49	4.00
3.25	YES						
L0004275	0	0.55510E-07	485514.2	3755482.9	539.2	3.49	4.00
3.25	YES						
L0004276	0	0.55510E-07	485514.3	3755491.4	539.5	3.49	4.00
3.25	YES						
L0004277	0	0.55510E-07	485514.4	3755500.0	539.8	3.49	4.00
3.25	YES						
L0004278	0	0.55510E-07	485514.5	3755508.6	540.1	3.49	4.00
3.25	YES						
L0004279	0	0.55510E-07	485514.6	3755517.2	540.4	3.49	4.00
3.25	YES						
L0004280	0	0.55510E-07	485514.7	3755525.8	540.6	3.49	4.00
3.25	YES						
L0004281	0	0.55510E-07	485514.8	3755534.4	540.9	3.49	4.00
3.25	YES						
L0004282	0	0.55510E-07	485514.9	3755543.0	541.0	3.49	4.00
3.25	YES						
L0004283	0	0.55510E-07	485515.0	3755551.6	541.0	3.49	4.00
3.25	YES						
L0004284	0	0.55510E-07	485515.1	3755560.2	541.0	3.49	4.00
3.25	YES						
L0004285	0	0.55510E-07	485515.2	3755568.8	541.1	3.49	4.00
3.25	YES						
L0004286	0	0.55510E-07	485515.3	3755577.3	541.4	3.49	4.00
3.25	YES						
L0004287	0	0.55510E-07	485515.4	3755585.9	541.6	3.49	4.00
3.25	YES						
L0004288	0	0.55510E-07	485515.5	3755594.5	541.9	3.49	4.00
3.25	YES						

L0004289	0	0.55510E-07	485515.6	3755603.1	542.2	3.49	4.00
3.25	YES						
L0004290	0	0.55510E-07	485515.7	3755611.7	542.5	3.49	4.00
3.25	YES						
L0004291	0	0.55510E-07	485515.8	3755620.3	542.8	3.49	4.00
3.25	YES						
L0004292	0	0.55510E-07	485515.9	3755628.9	543.1	3.49	4.00
3.25	YES						
L0004293	0	0.55510E-07	485516.0	3755637.5	543.4	3.49	4.00
3.25	YES						
L0004294	0	0.55510E-07	485516.1	3755646.1	543.7	3.49	4.00
3.25	YES						
L0004295	0	0.55510E-07	485516.2	3755654.6	543.9	3.49	4.00
3.25	YES						

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^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0004296	0	0.55510E-07	485516.3	3755663.2	544.0	3.49	4.00
3.25	YES						
L0004297	0	0.55510E-07	485516.4	3755671.8	544.0	3.49	4.00
3.25	YES						

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^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

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L0003389	, L0003390	,	, L0003391	,						
	L0003392	,	L0003393	,	L0003394	,	L0003395	,	L0003396	,
L0003397	, L0003398	,	, L0003399	,						
	L0003400	,	L0003401	,	L0003402	,	L0003403	,	L0003404	,
L0003405	, L0003406	,	, L0003407	,						
	L0003408	,	L0003409	,	L0003410	,	L0003411	,	L0003412	,
L0003413	, L0003414	,	, L0003415	,						
	L0003416	,	L0003417	,	L0003418	,	L0003419	,	L0003420	,
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	L0003440	,	L0003441	,	L0003442	,	L0003443	,	L0003444	,
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L0003493	, L0003494	,	, L0003495	,						
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HCW.ISC ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0003557	L0003552 , L0003553 , L0003554 , L0003555 , L0003556 , L0003557 , L0003558 , L0003559 ,
L0003565	L0003560 , L0003561 , L0003562 , L0003563 , L0003564 , L0003565 , L0003566 , L0003567 ,
L0003573	L0003568 , L0003569 , L0003570 , L0003571 , L0003572 , L0003573 , L0003574 , L0003575 ,
L0003581	L0003576 , L0003577 , L0003578 , L0003579 , L0003580 , L0003581 , L0003582 , L0003583 ,
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▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0003701	L0003696 , L0003702	, L0003697 , L0003703	, L0003698 ,	, L0003699	, L0003700	,
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L0003725	L0003720 , L0003726	, L0003721 , L0003727	, L0003722 ,	, L0003723	, L0003724	,
L0003733	L0003728 , L0003734	, L0003729 , L0003735	, L0003730 ,	, L0003731	, L0003732	,
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^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC ***
*** AERMET - VERSION 16216 *** ***
*** 12:07:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0003885	L0003880 , L0003881 , L0003882 , L0003883 , L0003884 , L0003885 , L0003886 , L0003887 ,
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 L0004013 L0004008 , L0004009 , L0004010 , L0004011 , L0004012 ,
 , L0004014 , L0004015 ,

▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0004021	L0004016 , L0004022	L0004017 , L0004023	L0004018 ,	L0004019 ,	L0004020 ,
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L0004037	L0004032 , L0004038	L0004033 , L0004039	L0004034 ,	L0004035 ,	L0004036 ,
L0004045	L0004040 , L0004046	L0004041 , L0004047	L0004042 ,	L0004043 ,	L0004044 ,
L0004053	L0004048 , L0004054	L0004049 , L0004055	L0004050 ,	L0004051 ,	L0004052 ,
L0004061	L0004056 , L0004062	L0004057 , L0004063	L0004058 ,	L0004059 ,	L0004060 ,
L0004069	L0004064 , L0004070	L0004065 , L0004071	L0004066 ,	L0004067 ,	L0004068 ,
L0004077	L0004072 , L0004078	L0004073 , L0004079	L0004074 ,	L0004075 ,	L0004076 ,
L0004085	L0004080 , L0004086	L0004081 , L0004087	L0004082 ,	L0004083 ,	L0004084 ,
L0004093	L0004088 , L0004094	L0004089 , L0004095	L0004090 ,	L0004091 ,	L0004092 ,
L0004101	L0004096 , L0004102	L0004097 , L0004103	L0004098 ,	L0004099 ,	L0004100 ,
L0004109	L0004104 , L0004110	L0004105 , L0004111	L0004106 ,	L0004107 ,	L0004108 ,
L0004117	L0004112 , L0004118	L0004113 , L0004119	L0004114 ,	L0004115 ,	L0004116 ,
L0004125	L0004120 , L0004126	L0004121 , L0004127	L0004122 ,	L0004123 ,	L0004124 ,
L0004133	L0004128 , L0004134	L0004129 , L0004135	L0004130 ,	L0004131 ,	L0004132 ,
	L0004136 ,	L0004137 ,	L0004138 ,	L0004139 ,	L0004140 ,

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L0004141 , L0004142 , L0004143 ,
      L0004144 , L0004145 , L0004146 , L0004147 , L0004148 ,
L0004149 , L0004150 , L0004151 ,
      L0004152 , L0004153 , L0004154 , L0004155 , L0004156 ,
L0004157 , L0004158 , L0004159 ,
      L0004160 , L0004161 , L0004162 , L0004163 , L0004164 ,
L0004165 , L0004166 , L0004167 ,
      L0004168 , L0004169 , L0004170 , L0004171 , L0004172 ,
L0004173 , L0004174 , L0004175 ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0004181	L0004176 , L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 ,
L0004189	L0004184 , L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 ,
L0004197	L0004192 , L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 ,
L0004205	L0004200 , L0004201 , L0004202 , L0004203 , L0004204 , L0004205 , L0004206 , L0004207 ,
L0004213	L0004208 , L0004209 , L0004210 , L0004211 , L0004212 , L0004213 , L0004214 , L0004215 ,
L0004221	L0004216 , L0004217 , L0004218 , L0004219 , L0004220 , L0004221 , L0004222 , L0004223 ,
L0004229	L0004224 , L0004225 , L0004226 , L0004227 , L0004228 , L0004229 , L0004230 , L0004231 ,

L0004237 L0004232 , L0004233 , L0004234 , L0004235 , L0004236 ,
 , L0004238 , L0004239 ,

 L0004245 L0004240 , L0004241 , L0004242 , L0004243 , L0004244 ,
 , L0004246 , L0004247 ,

 L0004253 L0004248 , L0004249 , L0004250 , L0004251 , L0004252 ,
 , L0004254 , L0004255 ,

 L0004261 L0004256 , L0004257 , L0004258 , L0004259 , L0004260 ,
 , L0004262 , L0004263 ,

 L0004269 L0004264 , L0004265 , L0004266 , L0004267 , L0004268 ,
 , L0004270 , L0004271 ,

 L0004277 L0004272 , L0004273 , L0004274 , L0004275 , L0004276 ,
 , L0004278 , L0004279 ,

 L0004285 L0004280 , L0004281 , L0004282 , L0004283 , L0004284 ,
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 L0004293 L0004288 , L0004289 , L0004290 , L0004291 , L0004292 ,
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L0004296 , L0004297 ,
 ^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 *** ***
 *** 12:07:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0003380	2189641.	L0003376 , L0003377 , L0003378 , L0003379 ,
L0003383	, L0003381	, L0003382 ,
	, L0003383	
L0003389	L0003384	, L0003385 , L0003386 , L0003387 , L0003388 ,
	, L0003390	, L0003391 ,
L0003397	L0003392	, L0003393 , L0003394 , L0003395 , L0003396 ,
	, L0003398	, L0003399 ,

L0003405	L0003400 , L0003406	, L0003401 , L0003407	, L0003402 ,	, L0003403	, L0003404	,
L0003413	L0003408 , L0003414	, L0003409 , L0003415	, L0003410 ,	, L0003411	, L0003412	,
L0003421	L0003416 , L0003422	, L0003417 , L0003423	, L0003418 ,	, L0003419	, L0003420	,
L0003429	L0003424 , L0003430	, L0003425 , L0003431	, L0003426 ,	, L0003427	, L0003428	,
L0003437	L0003432 , L0003438	, L0003433 , L0003439	, L0003434 ,	, L0003435	, L0003436	,
L0003445	L0003440 , L0003446	, L0003441 , L0003447	, L0003442 ,	, L0003443	, L0003444	,
L0003453	L0003448 , L0003454	, L0003449 , L0003455	, L0003450 ,	, L0003451	, L0003452	,
L0003461	L0003456 , L0003462	, L0003457 , L0003463	, L0003458 ,	, L0003459	, L0003460	,
L0003469	L0003464 , L0003470	, L0003465 , L0003471	, L0003466 ,	, L0003467	, L0003468	,
L0003477	L0003472 , L0003478	, L0003473 , L0003479	, L0003474 ,	, L0003475	, L0003476	,
L0003485	L0003480 , L0003486	, L0003481 , L0003487	, L0003482 ,	, L0003483	, L0003484	,
L0003493	L0003488 , L0003494	, L0003489 , L0003495	, L0003490 ,	, L0003491	, L0003492	,
L0003501	L0003496 , L0003502	, L0003497 , L0003503	, L0003498 ,	, L0003499	, L0003500	,
L0003509	L0003504 , L0003510	, L0003505 , L0003511	, L0003506 ,	, L0003507	, L0003508	,
L0003517	L0003512 , L0003518	, L0003513 , L0003519	, L0003514 ,	, L0003515	, L0003516	,
L0003525	L0003520 , L0003526	, L0003521 , L0003527	, L0003522 ,	, L0003523	, L0003524	,
	L0003528	, L0003529	, L0003530	, L0003531	, L0003532	,

L0003533 , L0003534 , L0003535 ,
 *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0003541	L0003536 , L0003537 , L0003538 , L0003539 , L0003540 , L0003542 , L0003543 ,	
L0003549	L0003544 , L0003545 , L0003546 , L0003547 , L0003548 , L0003550 , L0003551 ,	
L0003557	L0003552 , L0003553 , L0003554 , L0003555 , L0003556 , L0003558 , L0003559 ,	
L0003565	L0003560 , L0003561 , L0003562 , L0003563 , L0003564 , L0003566 , L0003567 ,	
L0003573	L0003568 , L0003569 , L0003570 , L0003571 , L0003572 , L0003574 , L0003575 ,	
L0003581	L0003576 , L0003577 , L0003578 , L0003579 , L0003580 , L0003582 , L0003583 ,	
L0003589	L0003584 , L0003585 , L0003586 , L0003587 , L0003588 , L0003590 , L0003591 ,	
L0003597	L0003592 , L0003593 , L0003594 , L0003595 , L0003596 , L0003598 , L0003599 ,	
L0003605	L0003600 , L0003601 , L0003602 , L0003603 , L0003604 , L0003606 , L0003607 ,	
L0003613	L0003608 , L0003609 , L0003610 , L0003611 , L0003612 , L0003614 , L0003615 ,	
L0003621	L0003616 , L0003617 , L0003618 , L0003619 , L0003620 , L0003622 , L0003623 ,	

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L0003629      L0003624      , L0003625      , L0003626      , L0003627      , L0003628      ,
              , L0003630      , L0003631      ,
L0003637      L0003632      , L0003633      , L0003634      , L0003635      , L0003636      ,
              , L0003638      , L0003639      ,
L0003645      L0003640      , L0003641      , L0003642      , L0003643      , L0003644      ,
              , L0003646      , L0003647      ,
L0003653      L0003648      , L0003649      , L0003650      , L0003651      , L0003652      ,
              , L0003654      , L0003655      ,
L0003661      L0003656      , L0003657      , L0003658      , L0003659      , L0003660      ,
              , L0003662      , L0003663      ,
L0003669      L0003664      , L0003665      , L0003666      , L0003667      , L0003668      ,
              , L0003670      , L0003671      ,
L0003677      L0003672      , L0003673      , L0003674      , L0003675      , L0003676      ,
              , L0003678      , L0003679      ,
L0003685      L0003680      , L0003681      , L0003682      , L0003683      , L0003684      ,
              , L0003686      , L0003687      ,
L0003693      L0003688      , L0003689      , L0003690      , L0003691      , L0003692      ,
              , L0003694      , L0003695      ,
^ *** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC      ***      ***      05/27/20
*** AERMET - VERSION 16216 ***      ***
***      ***      12:07:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0003701	L0003696 , L0003702	L0003697 , L0003703 , L0003698 , L0003699 , L0003700
L0003709	L0003704 , L0003710	L0003705 , L0003711 , L0003706 , L0003707 , L0003708
L0003717	L0003712 , L0003718	L0003713 , L0003719 , L0003714 , L0003715 , L0003716

L0003725	L0003720 , L0003726	, L0003721 , L0003727	, L0003722 ,	, L0003723	, L0003724	,
L0003733	L0003728 , L0003734	, L0003729 , L0003735	, L0003730 ,	, L0003731	, L0003732	,
L0003741	L0003736 , L0003742	, L0003737 , L0003743	, L0003738 ,	, L0003739	, L0003740	,
L0003749	L0003744 , L0003750	, L0003745 , L0003751	, L0003746 ,	, L0003747	, L0003748	,
L0003757	L0003752 , L0003758	, L0003753 , L0003759	, L0003754 ,	, L0003755	, L0003756	,
L0003765	L0003760 , L0003766	, L0003761 , L0003767	, L0003762 ,	, L0003763	, L0003764	,
L0003773	L0003768 , L0003774	, L0003769 , L0003775	, L0003770 ,	, L0003771	, L0003772	,
L0003781	L0003776 , L0003782	, L0003777 , L0003783	, L0003778 ,	, L0003779	, L0003780	,
L0003789	L0003784 , L0003790	, L0003785 , L0003791	, L0003786 ,	, L0003787	, L0003788	,
L0003797	L0003792 , L0003798	, L0003793 , L0003799	, L0003794 ,	, L0003795	, L0003796	,
L0003805	L0003800 , L0003806	, L0003801 , L0003807	, L0003802 ,	, L0003803	, L0003804	,
L0003813	L0003808 , L0003814	, L0003809 , L0003815	, L0003810 ,	, L0003811	, L0003812	,
L0003821	L0003816 , L0003822	, L0003817 , L0003823	, L0003818 ,	, L0003819	, L0003820	,
L0003829	L0003824 , L0003830	, L0003825 , L0003831	, L0003826 ,	, L0003827	, L0003828	,
L0003837	L0003832 , L0003838	, L0003833 , L0003839	, L0003834 ,	, L0003835	, L0003836	,
L0003845	L0003840 , L0003846	, L0003841 , L0003847	, L0003842 ,	, L0003843	, L0003844	,
	L0003848	, L0003849	, L0003850	, L0003851	, L0003852	,

L0003853 , L0003854 , L0003855 ,
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 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0003861	L0003856 , L0003862	L0003857 , L0003858 , L0003859 , L0003860 ,
L0003869	L0003864 , L0003870	L0003865 , L0003866 , L0003867 , L0003868 ,
L0003877	L0003872 , L0003878	L0003873 , L0003874 , L0003875 , L0003876 ,
L0003885	L0003880 , L0003886	L0003881 , L0003882 , L0003883 , L0003884 ,
L0003893	L0003888 , L0003894	L0003889 , L0003890 , L0003891 , L0003892 ,
L0003901	L0003896 , L0003902	L0003897 , L0003898 , L0003899 , L0003900 ,
L0003909	L0003904 , L0003910	L0003905 , L0003906 , L0003907 , L0003908 ,
L0003917	L0003912 , L0003918	L0003913 , L0003914 , L0003915 , L0003916 ,
L0003925	L0003920 , L0003926	L0003921 , L0003922 , L0003923 , L0003924 ,
L0003933	L0003928 , L0003934	L0003929 , L0003930 , L0003931 , L0003932 ,
L0003941	L0003936 , L0003942	L0003937 , L0003938 , L0003939 , L0003940 ,


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L0003949    L0003944 , L0003945 , L0003946 , L0003947 , L0003948 ,
            , L0003950 , L0003951 ,
L0003957    L0003952 , L0003953 , L0003954 , L0003955 , L0003956 ,
            , L0003958 , L0003959 ,
L0003965    L0003960 , L0003961 , L0003962 , L0003963 , L0003964 ,
            , L0003966 , L0003967 ,
L0003973    L0003968 , L0003969 , L0003970 , L0003971 , L0003972 ,
            , L0003974 , L0003975 ,
L0003981    L0003976 , L0003977 , L0003978 , L0003979 , L0003980 ,
            , L0003982 , L0003983 ,
L0003989    L0003984 , L0003985 , L0003986 , L0003987 , L0003988 ,
            , L0003990 , L0003991 ,
L0003997    L0003992 , L0003993 , L0003994 , L0003995 , L0003996 ,
            , L0003998 , L0003999 ,
L0004005    L0004000 , L0004001 , L0004002 , L0004003 , L0004004 ,
            , L0004006 , L0004007 ,
L0004013    L0004008 , L0004009 , L0004010 , L0004011 , L0004012 ,
            , L0004014 , L0004015 ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
HCW.ISC ***
*** AERMET - VERSION 16216 *** ***
*** 05/27/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0004021	L0004016 , L0004022	L0004017 , L0004023 , L0004018 , L0004019 , L0004020 ,
L0004029	L0004024 , L0004030	L0004025 , L0004031 , L0004026 , L0004027 , L0004028 ,
L0004037	L0004032 , L0004038	L0004033 , L0004039 , L0004034 , L0004035 , L0004036 ,

L0004045	L0004040 , L0004046	, L0004041 , L0004047	, L0004042 ,	, L0004043	, L0004044	,
L0004053	L0004048 , L0004054	, L0004049 , L0004055	, L0004050 ,	, L0004051	, L0004052	,
L0004061	L0004056 , L0004062	, L0004057 , L0004063	, L0004058 ,	, L0004059	, L0004060	,
L0004069	L0004064 , L0004070	, L0004065 , L0004071	, L0004066 ,	, L0004067	, L0004068	,
L0004077	L0004072 , L0004078	, L0004073 , L0004079	, L0004074 ,	, L0004075	, L0004076	,
L0004085	L0004080 , L0004086	, L0004081 , L0004087	, L0004082 ,	, L0004083	, L0004084	,
L0004093	L0004088 , L0004094	, L0004089 , L0004095	, L0004090 ,	, L0004091	, L0004092	,
L0004101	L0004096 , L0004102	, L0004097 , L0004103	, L0004098 ,	, L0004099	, L0004100	,
L0004109	L0004104 , L0004110	, L0004105 , L0004111	, L0004106 ,	, L0004107	, L0004108	,
L0004117	L0004112 , L0004118	, L0004113 , L0004119	, L0004114 ,	, L0004115	, L0004116	,
L0004125	L0004120 , L0004126	, L0004121 , L0004127	, L0004122 ,	, L0004123	, L0004124	,
L0004133	L0004128 , L0004134	, L0004129 , L0004135	, L0004130 ,	, L0004131	, L0004132	,
L0004141	L0004136 , L0004142	, L0004137 , L0004143	, L0004138 ,	, L0004139	, L0004140	,
L0004149	L0004144 , L0004150	, L0004145 , L0004151	, L0004146 ,	, L0004147	, L0004148	,
L0004157	L0004152 , L0004158	, L0004153 , L0004159	, L0004154 ,	, L0004155	, L0004156	,
L0004165	L0004160 , L0004166	, L0004161 , L0004167	, L0004162 ,	, L0004163	, L0004164	,
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L0004173 , L0004174 , L0004175 ,
 *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0004181	L0004176 , L0004182	L0004177 , L0004183 , L0004178 , L0004179 , L0004180 ,
L0004189	L0004184 , L0004190	L0004185 , L0004191 , L0004186 , L0004187 , L0004188 ,
L0004197	L0004192 , L0004198	L0004193 , L0004199 , L0004194 , L0004195 , L0004196 ,
L0004205	L0004200 , L0004206	L0004201 , L0004207 , L0004202 , L0004203 , L0004204 ,
L0004213	L0004208 , L0004214	L0004209 , L0004215 , L0004210 , L0004211 , L0004212 ,
L0004221	L0004216 , L0004222	L0004217 , L0004223 , L0004218 , L0004219 , L0004220 ,
L0004229	L0004224 , L0004230	L0004225 , L0004231 , L0004226 , L0004227 , L0004228 ,
L0004237	L0004232 , L0004238	L0004233 , L0004239 , L0004234 , L0004235 , L0004236 ,
L0004245	L0004240 , L0004246	L0004241 , L0004247 , L0004242 , L0004243 , L0004244 ,
L0004253	L0004248 , L0004254	L0004249 , L0004255 , L0004250 , L0004251 , L0004252 ,
L0004261	L0004256 , L0004262	L0004257 , L0004263 , L0004258 , L0004259 , L0004260 ,

L0004269 L0004264 , L0004265 , L0004266 , L0004267 , L0004268 ,
 , L0004270 , L0004271 ,
 L0004277 L0004272 , L0004273 , L0004274 , L0004275 , L0004276 ,
 , L0004278 , L0004279 ,
 L0004285 L0004280 , L0004281 , L0004282 , L0004283 , L0004284 ,
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 L0004293 L0004288 , L0004289 , L0004290 , L0004291 , L0004292 ,
 , L0004294 , L0004295 ,

L0004296 , L0004297 ,
 ▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

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*** 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);

▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

PROCESSING ***

*** METEOROLOGICAL DAYS SELECTED FOR
(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	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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.

CATEGORIES ***

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

1.54, 3.09, 5.14, 8.23,

10.80,
 *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12974 HCW\12974
 HCW.ISC *** 05/27/20
 *** AERMET - VERSION 16216 ***
 *** 12:07:08

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

DATA ***

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

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
Name: UNKNOWN

Upper air station no.: 3190
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)

```

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*** 12:07:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003376 , L0003377
, L0003378 , L0003379 , L0003380 ,
, L0003381 , L0003382 , L0003383 , L0003384 , L0003385
, L0003386 , L0003387 , L0003388 ,
, L0003389 , L0003390 , L0003391 , L0003392 , L0003393
, L0003394 , L0003395 , L0003396 ,
, L0003397 , L0003398 , L0003399 , L0003400 , L0003401
, L0003402 , L0003403 , . . . ,

```

*** 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 0.00274 485270.99
3754588.87 0.01076

```

484903.88	3754588.87	0.01080	484740.57
3754586.26	0.00756		
484962.67	3754583.65	0.01078	484995.17
3754578.23	0.01054		
485061.11	3754595.73	0.01196	485081.62
3754593.03	0.01173		
485192.97	3754581.93	0.01073	484823.61
3754584.96	0.00948		
484884.84	3754593.03	0.01092	484798.72
3754595.39	0.00966		
485166.06	3754581.93	0.01082	485167.27
3755143.75	0.00908		
485005.78	3755160.81	0.00816	484254.07
3755093.71	0.00434		
484513.36	3755169.91	0.00382	484084.62
3755094.85	0.00259		
484819.28	3755160.81	0.00698	

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 HCW.ISC *** 05/27/20

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 *** 12:07:08

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*** 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	0.01196 AT (	485061.11, 3754595.73,
522.41,	522.41, 0.00) DC		
	2ND HIGHEST VALUE IS	0.01173 AT (	485081.62, 3754593.03,
521.98,	521.98, 0.00) DC		
	3RD HIGHEST VALUE IS	0.01092 AT (	484884.84, 3754593.03,
523.00,	523.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.01082 AT (	485166.06, 3754581.93,
521.19,	521.19, 0.00) DC		
	5TH HIGHEST VALUE IS	0.01080 AT (	484903.88, 3754588.87,
522.93,	522.93, 0.00) DC		

522.24, 6TH HIGHEST VALUE IS 0.01078 AT (484962.67, 3754583.65,
 522.24, 522.24, 0.00) DC
 520.42, 7TH HIGHEST VALUE IS 0.01076 AT (485270.99, 3754588.87,
 520.42, 520.42, 0.00) DC
 521.04, 8TH HIGHEST VALUE IS 0.01073 AT (485192.97, 3754581.93,
 521.04, 521.04, 0.00) DC
 522.06, 9TH HIGHEST VALUE IS 0.01054 AT (484995.17, 3754578.23,
 522.06, 522.06, 0.00) DC
 523.63, 10TH HIGHEST VALUE IS 0.00966 AT (484798.72, 3754595.39,
 523.63, 523.63, 0.00) DC

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

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 HCW.ISC *** 05/27/20
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*** 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 2086 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 2086 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	0.10446
5	0.04647
25	0.02041

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 (North)	221			0.1045	5.78	6.687E-05
On-Site Idling at Dock Doors (South)	221			0.1045	5.78	6.687E-05
On-Site Travel	885	1017.12	0.0465		47.26	5.470E-04
Off-Site Travel 40% Inbound/Outbound Dwy 1 to SR-60/Moreno Beach Dr.	354	329.00	0.0204		6.72	7.773E-05
Off-Site Travel 30% Inbound Dwy 1 from SR-60/Redlands	133	75.31	0.0204		1.54	1.779E-05
Off-Site Travel 50% Outbound Dwy 1 to SR-60/Redlands	221	125.52	0.0204		2.56	2.965E-05
Off-Site Travel 10% Outbound Dwy 5 to SR-60/Redlands	44	21.05	0.0204		0.43	4.972E-06
Off-Site Travel 30% Inbound Dwy 7 from SR-60/Redlands	133	39.41	0.0204		0.80	9.312E-06
Off-Site Travel 10% Inbound SR-60	44	12.92	0.0204		0.26	3.053E-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_h	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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		0.01196			1.20E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.1E-06	1.3E-07	5.0E+00	1.4E-03	2.4E-03					
TOTAL								1.3E-07			2.4E-03	0.0E+00	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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		0.01196			1.20E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.3E-05	3.2E-06	5.0E+00	1.4E-03	2.4E-03					
TOTAL								3.2E-06			2.4E-03	0.0E+00	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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.01196	1.20E-05			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.6E-06	3.0E-06	5.0E+00	1.4E-03	2.4E-03					
TOTAL							3.0E-06			2.4E-03	0.0E+00	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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
		0.01196			1.20E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.0E-06	4.6E-07	5.0E+00	1.4E-03	2.4E-03				
TOTAL								4.6E-07			2.4E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.46

** 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) 6.75

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

	Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
		(b)	(c)			URF (ug/m ³ -1)	CPF (mg/kg/day) ¹	DOSE (mg/kg-day)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		(ug/m ³)	(mg/m ³)			(f)	(g)	(h)												
1	Diesel Particulates	9.08E-03	9.08E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-06	5.4E-07	5.0E+00	1.4E-03	1.8E-03								
TOTAL									5.4E-07 0.54		1.8E-03	0.0E+00	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

Note: Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	250
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	230
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver		
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		