



Placentia Logistics
MOBILE SOURCE HEALTH RISK ASSESSMENT
COUNTY OF RIVERSIDE

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12728-03 HRA Report

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LIST OF ABBREVIATED TERMS

%	Percent
(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AT	Averaging Time
BNSF	Burlington National Santa Fe
BR	Breathing Rate
BW	Body Weight
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DEM	Digital Elevation Model
DPM	Diesel Particulate Matter
EIR	Environmental Impact Report
EMFAC	EMissions FACtor
EPA	Environmental Protection Agency
g/idle-hr	Grams Per Idle-Hour
g/s	Gram Per Second
g/VMT	Grams Per Vehicle Miles Traveled
HHDT	Heavy Heavy-Duty Trucks
HI	Hazard Index
HRA	Health Risk Assessment
I-215	Interstate 215
kg	Kilogram
L/kg-day	Liter Per Kilogram-Day
LHDT	Light Heavy-Duty Trucks
MARB/IPA	March Air Reserve Base/Inland Port Airport
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
mg/kg/day	Milligrams Per Kilograms Per Day
MHDT	Medium Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
mph	Miles Per Hour

NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM ₁₀	Particulate Matter 10 microns in diameter or less
Project	Placentia Logistics
REL	Reference Exposure Level
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	<i>Placentia Logistics Traffic Impact Analysis</i>
URF	Unit Risk Factor
U.S.	United States
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled
WGS	World Geodetic System

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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 Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

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

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 99 feet south of the Project site, at the existing residential home south of Placentia Avenue. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 4.83 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, 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.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located approximately 290 feet east of the Project site at 20388 Harvill Avenue. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.46 in one million which is less than the 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 threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, 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.

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.

Notwithstanding, the nearest schools in the vicinity of the Project have been included in the evaluation in the abundance of caution. The school site land use with the greatest potential exposure to Project DPM source emissions is at the Val Verde Elementary School located approximately 0.54 miles (2,866 feet) southeast of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk attributable to the Project at this location is calculated to be an estimated 0.03 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.00005, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	4.83	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.46	10	NO
9 Year Exposure	Maximum Exposed School Child Receptor	0.03	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.002	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	0.002	1.0	NO
Annual Average	Maximum Exposed School Child Receptor	0.00005	1.0	NO

1 INTRODUCTION

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

The South Coast Air Quality Management District (SCAQMD) identifies that if a 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 California Environmental Quality Act (CEQA) Air Quality Analysis_(2)* and is comprised of all relevant and appropriate procedures presented by the United States (U.S.) Environmental Protection Agency (EPA), California EPA (CalEPA) and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

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

"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or Environmental Impact Report [EIR]. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for 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. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed Placentia Logistics site is located on the northwest corner of Harvill Avenue and Placentia Street, in unincorporated County of Riverside, as shown on Exhibit 1-A. The Project site is mostly vacant with 4 existing single-family homes located on the easterly portion of the site with access from Sharon Ann Lane. All existing residences and ancillary structures within the Project site will be demolished and Sharon Ann Lane will be vacated.

Existing land uses near the site include residential homes located west and south of the Project site. Properties to the north and east are developed with warehouse uses. Interstate 215 (I-215) is located approximately 1,200 feet east of the Project site; Burlington National Santa Fe (BNSF) railroad lines are located roughly 830 feet east of the Project site; and the March Air Reserve Base/Inland Port Airport (MARB/IPA) is located roughly 2.5 miles northeast of the Project site.

1.2 PROJECT DESCRIPTION

The Project proposes up to approximately 233,062 square feet (sf) of high-cube transload/short-term storage warehouse (without cold storage) use (85 percent [%] of the total square footage) and up to approximately 41,128 sf of general light industrial use (15% of the total square footage) for a total of 274,190 sf within a single building, as shown on Exhibit 1-B. The Project is anticipated to be constructed in a single phase. The Project Opening Year is 2021. Regional access to the Project site will be provided by the I-215 Freeway via Placentia Street.

At the time this HRA study was prepared, the future tenants of the Project were unknown. This HRA study is intended to describe health risk impacts associated with the expected typical 24-hour, seven day per week operational activities at the Project site.

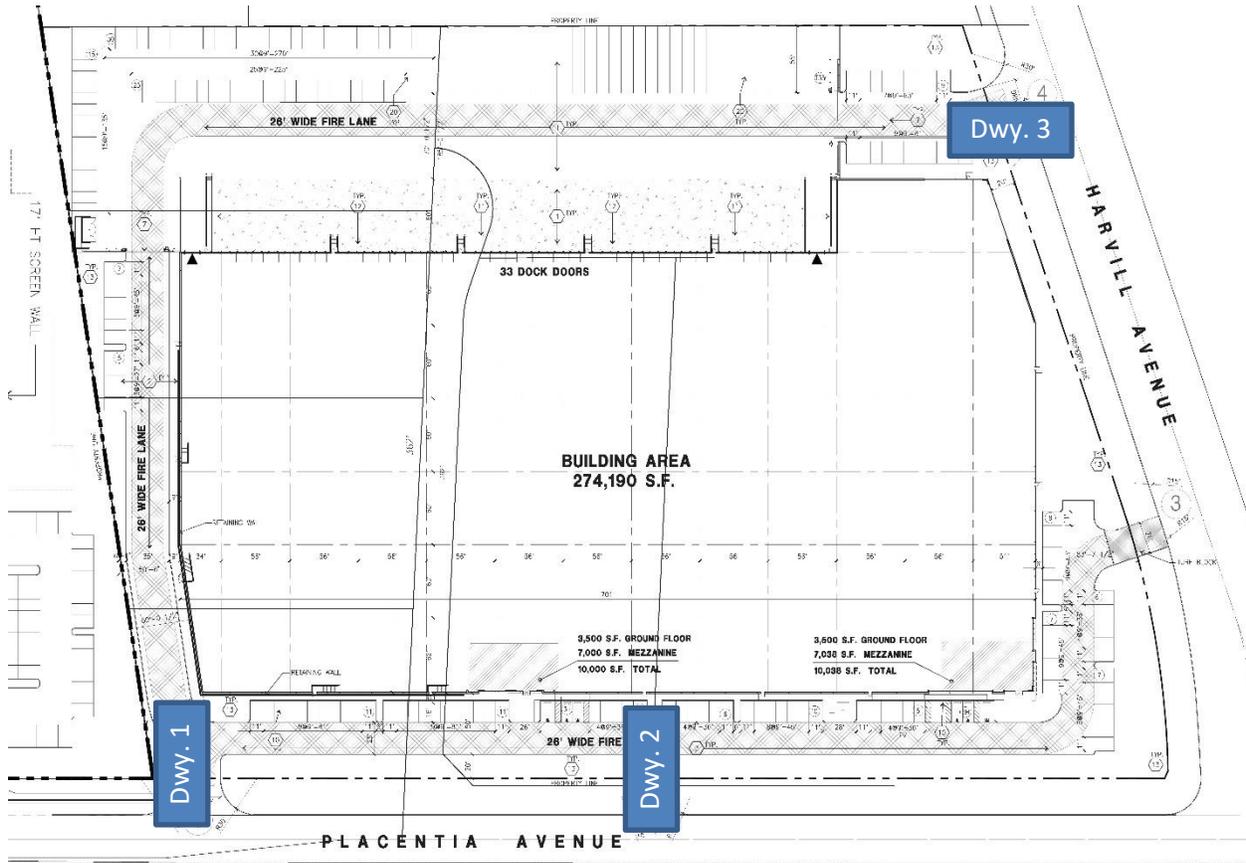
Per the *Placentia Logistics Traffic Impact Analysis* (TIA) prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 530 two-way vehicular trips per day (265 inbound and 265 outbound) which includes 150 two-way truck trips per day (75 inbound and 75 outbound)¹ (4). Consistent with the TIA, this HRA study evaluates the potential impacts resulting from diesel exhaust from the 149 two-way truck trips generated by the Project.

¹ Although the TIA identifies 149 total truck trips, the discussion has been revised so that the number of truck trips has been rounded to the nearest even number.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

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

- CARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per microgram per cubic meter ($\mu\text{g}/\text{m}^3$) is based upon the upper 95th percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM.
- The emissions derived assume that every truck accessing the project site will idle for 15 minutes under the unmitigated scenario, this is an overestimation of actual idling times and thus conservative.² It should be noted that ARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10 microns in diameter (PM_{10}) generated with the 2017 version of the Emission Factor (EMFAC) model developed by CARB. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB 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 VMT (g/VMT) or grams per idle-hour ($\text{g}/\text{idle-hr}$), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in "EMFAC Mode" for vehicles in the SCAQMD jurisdiction. The "EMFAC Mode" generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

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.

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

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2021 EMFAC 2017 run was conducted and a static 2021 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2021 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to improved vehicle efficiencies resulting from fleet turnover and implementation of cleaner technology with lower emissions. Based on EMFAC 2017, Light-Heavy-Duty Trucks (LHDT) comprise of 47.72% diesel, Medium-Heavy-Duty Trucks (MHDT) comprise of 82.28% diesel, and Heavy-Heavy-Duty Trucks (HHDT) comprise of 96.13% diesel trucks and have been accounted for accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (5):

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

Where:

$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)}$ = Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}} \text{ (g/VMT)}$ = EMFAC running exhaust PM10 emission factor at speed A;

Distance (VMT/trip) = Total distance traveled per trip;

g/s = Gram Per Second

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 idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (5):

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

Where:

$\text{Emissions}_{\text{idle}} \text{ (g/s)}$: Vehicle emissions during idling;

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

TABLE 2-1: 2021 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.14138 (g/idle-hr)
5	0.09518 (g/s)
25	0.03871 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix “2.1”. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeled truck travel routes included in the HRA are based on the anticipated truck trip distribution (inbound and outbound) as identified in the Project’s TIA (4), the anticipated truck trip distribution is illustrated on Exhibit 2-B. The modeling domain was extended along the Project’s primary truck route and includes off-site sources in the study area for more than $\frac{3}{4}$ mile. This modeling domain is substantially more conservative than using only a $\frac{1}{4}$ mile modeling domain, which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a $\frac{1}{4}$ mile of the primary source of emissions (1) (in the case of the Project this is the on-site idling and on-site travel).

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

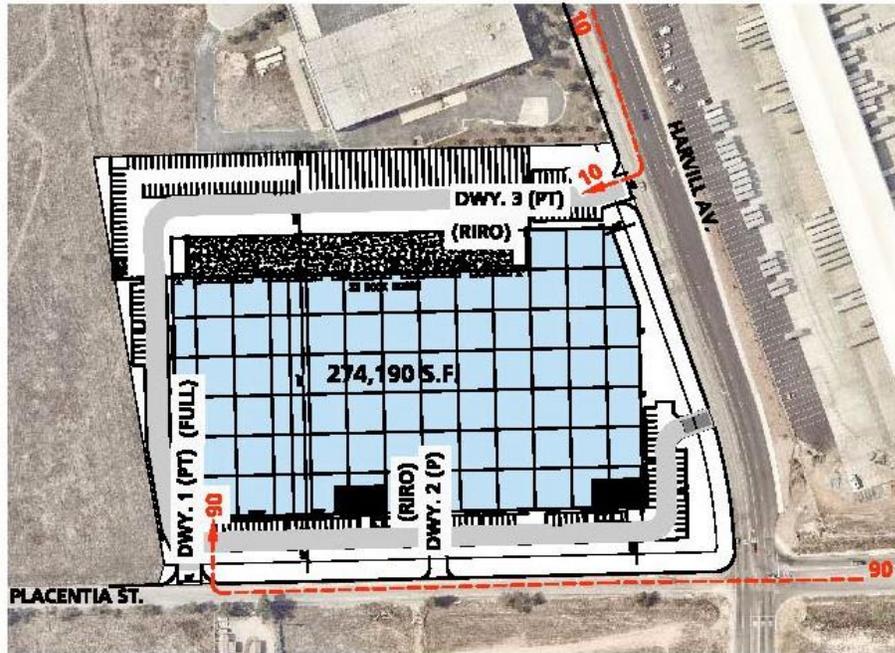
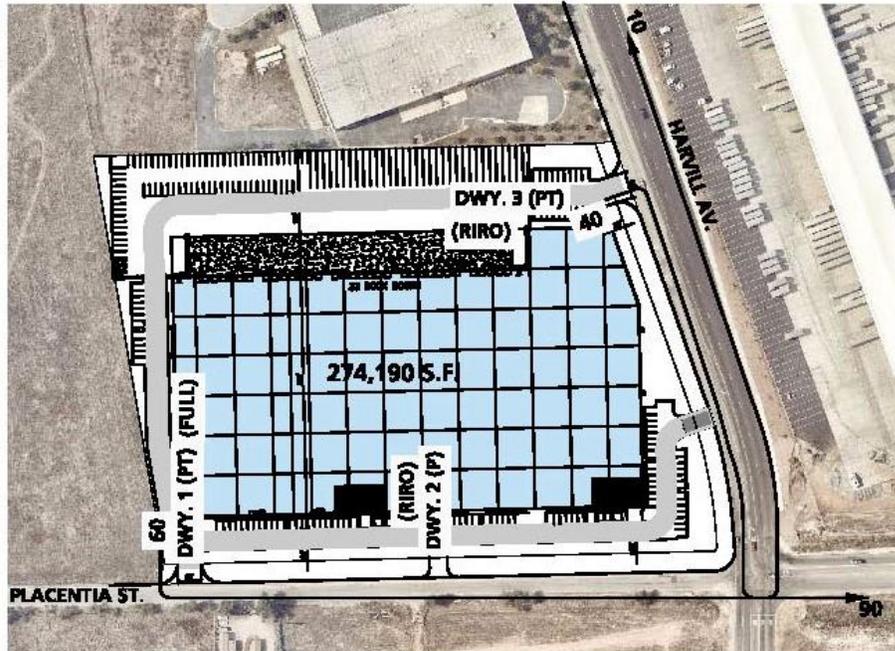
Per the TIA prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 530 two-way vehicular trips per day (265 inbound and 265 outbound) (4).

EXHIBIT 2-A: MODELED EMISSION SOURCES



N
LEGEND:
— On-Site Idling/Travel and Off-Site Travel

EXHIBIT 2-B: PROJECT TRUCK TRIP DISTRIBUTION



LEGEND:

- 10 = PERCENT TO/FROM PROJECT
- ← = OUTBOUND
- = INBOUND



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

RIVERSIDE 2021						
Source	Trucks Per Day	VMT ^a	Truck Emission Rate ^b	Truck Emission Rate ^b	Daily Truck Emissions ^c	Modeled Emission Rates
		(miles/day)	(grams/mile)	(grams/idle-hour)	(grams/day)	(g/second)
On-Site Idling	75			0.1414	2.63	3.048E-05
On-Site Travel	149	60.21	0.0952		5.73	6.633E-05
Off-Site Travel 50% Outbound Driveway 1 to Placentia	37	16.95	0.0387		0.66	7.595E-06
Off-Site Travel 10% Outbound Dwy 1 to Ramona Expressway	7	14.07	0.0387		0.54	6.305E-06
Off-Site Travel 10% Inbound Dwy 3. from Ramona Expressway	7	11.87	0.0387		0.46	5.320E-06
Off-Site Travel 90% Inbound Dwy 1. from Placentia	67	30.06	0.0387		1.16	1.347E-05
Off-Site Travel 40% Outbound Dwy 3. to Placentia	30	12.52	0.0387		0.48	5.608E-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 U.S. EPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD). For purposes of this analysis, the Lakes AERMOD View (Version 9.9.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 19191 (7).

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 U.S. EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

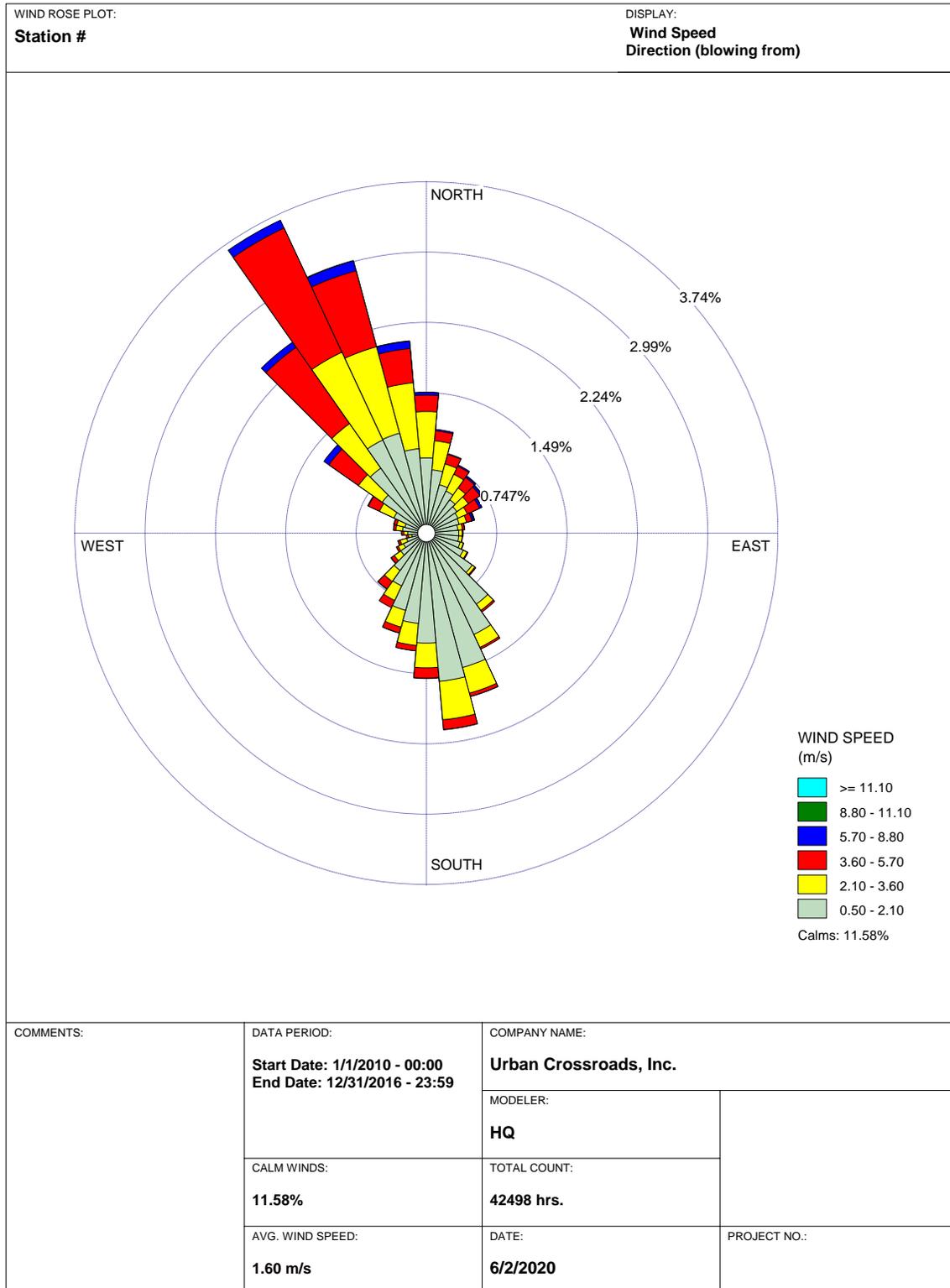
SCAQMD required model parameters are presented in Table 2-3 (8). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station (Source Receptor Area [SRA] 24) was used to represent local weather conditions and prevailing winds (9). A wind rose exhibit of the Perris monitoring station is provided at Exhibit 2-C.

TABLE 2-3: AERMOD MODEL PARAMETERS

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

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD summary output files for the proposed facility 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 these uses. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residential and worker over a period of 30 or 25 years of exposure, respectively. As such, even though it is unlikely to occur in practical terms (because the amount of time spent indoors), this study assumes that a resident or worker would be exposed over a long-period of time for 12 or 24-hours per day at the structure where they reside or work.

Consistent with SCAQMD modeling guidance, all receptors were set to the elevation so that only ground-level concentrations are analyzed (8). U.S. Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations.

Furthermore, worker receptors immediately adjacent to the Project site have been evaluated in the HRA. Any impacts to workers located further away from the Project site than the modeled worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIW. Similarly, any school receptors located further away from the Project site than the modeled school receptors would have a lesser impact than what has already been disclosed in the HRA at the MEISC.

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

2.4 CARCINOGENIC CHEMICAL RISK

Based on the *SCAQMD Air Quality Significance Thresholds* (10) (April 2019), emissions of 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 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 TACs 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 and killed by lightning (11).

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

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

L/kg-day = Liter per Kilogram-Day

Source: Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained from SCAQMD Air Quality Data Tables.**TABLE 2-5: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)**

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

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

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

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

Guidance from CARB and the CalEPA, 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 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]	=	daily breathing rate normalized to body weight (L/kg BW-day)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BR	=	Breathing Weight
BW	=	body weight
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 REL. The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic 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:

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

Where:

- HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.
- C_{DPM} = Annual average DPM concentration ($\mu\text{g}/\text{m}^3$).
- REL_{DPM} = 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 TOXIC AIR POLLUTANTS FROM PROJECT CONSTRUCTION ACTIVITIES

During short-term construction activity, the Project will also result in some DPM which is a listed carcinogen and TAC in the State of California. The 2015 OEHHA revised risk assessment guidelines suggest that construction projects as short as 2-6 months may warrant evaluation. Notwithstanding, based on Urban Crossroad's professional opinion and experience in preparing HRAs for development projects, given the size of the Project and the relatively small amount of equipment and relative short duration of activity, any DPM generated from construction activity would be negligible and not result in any significant health risks and no further evaluation is required.

Furthermore, the SCAQMD has acknowledged that they are currently evaluating the applicability of age sensitivity factors and have not established CEQA guidance. More specifically in their response to comments received on SCAQMD Rules 1401 in June 2015 (see Board Meeting June 5, 2015), the SCAQMD explicitly states that (Page A-7 and A-8):

"The Proposed Amended Rules are separate from the CEQA significance thresholds. The SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board. In the interim, staff will continue to use the previous guidelines for CEQA determinations."

2.7 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS³

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 99 feet south of the Project site, at the existing residential home south of Placentia Avenue. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 4.83 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, 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. The nearest modeled receptors for operational activity are illustrated on Exhibit 2-D.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located approximately 290 feet east of the Project site at 20388 Harvill Avenue. At the MEIW, the maximum incremental cancer risk impact at this location is 0.46 in one million which is less than the 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 threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, 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. The nearest modeled receptors for operational activity are illustrated on Exhibit 2-D.

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 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).

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.

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

For 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.

Notwithstanding, the nearest schools in the vicinity of the Project have been included in the evaluation in the abundance of caution. The school site land use with the greatest potential exposure to Project DPM source emissions is at the Val Verde Elementary School located approximately 0.54 miles (2,866 feet) southeast of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.03 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.00005, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The nearest modeled receptors for operational activity are illustrated on Exhibit 2-D.

EXHIBIT 2-D: MODELED RECEPTORS



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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. **Urban Crossroads, Inc.** *Placentia Logistics Traffic Impact Analysis.* 2019.
5. **California Air Resources Board.** EMFAC 2017. [Online] <https://www.arb.ca.gov/emfac/2017/>.
6. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
7. **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.
8. **South Coast Air Quality Management District.** South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.
9. —. Data for AERMOD. [Online] [Cited: June 10, 2019.] <https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod>.
10. —. South Coast AQMD Air Quality Significance Thresholds. [Online] April 2019. [Cited: June 6, 2019.] <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>.
11. **National Safety Council.** Injury Fact Chart. [Online] [Cited: September 18, 2019.] <https://www.nsc.org/work-safety/tools-resources/injury-facts/chart>.

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4 CERTIFICATIONS

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

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:
AERMOD MODEL INPUT/OUTPUT

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 6/2/2020
** FILE: C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728 HRA (REV).ADI
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*****
**
**
*****
** AERMOD CONTROL PATHWAY
*****
**
**
CO STARTING
  TITLEONE C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728 HRA (REV).ISC
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 2189641 RIVERSIDE_COUNTY
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "12728 HRA (REV).ERR"
CO FINISHED
**
*****
** AERMOD SOURCE PATHWAY
*****
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC ON-SITE IDLING
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00003048
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 476981.885, 3742722.012, 464.05, 3.49, 4.00
** 477137.192, 3742724.455, 460.91, 3.49, 4.00
** -----

```

LOCATION	VOLUME				
L0027059	476986.180	3742722.080	463.93		
L0027060	476994.769	3742722.215	463.63		
L0027061	477003.358	3742722.350	463.34		
L0027062	477011.947	3742722.485	463.11		
L0027063	477020.536	3742722.620	463.08		
L0027064	477029.125	3742722.755	463.04		
L0027065	477037.714	3742722.891	463.01		
L0027066	477046.302	3742723.026	462.79		
L0027067	477054.891	3742723.161	462.50		
L0027068	477063.480	3742723.296	462.21		
L0027069	477072.069	3742723.431	461.93		
L0027070	477080.658	3742723.566	461.67		
L0027071	477089.247	3742723.701	461.41		
L0027072	477097.836	3742723.836	461.14		
L0027073	477106.425	3742723.971	461.06		
L0027074	477115.014	3742724.106	461.03		
L0027075	477123.603	3742724.242	461.01		
L0027076	477132.192	3742724.377	460.92		

** END OF LINE VOLUME SOURCE ID = SLINE9

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 ** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE10

** DESCRSRC ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00006633

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 19

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** 477160.507, 3742749.806, 459.95, 3.49, 4.00

** 476975.111, 3742744.920, 463.93, 3.49, 4.00

** 476969.711, 3742743.891, 464.27, 3.49, 4.00

** 476967.140, 3742740.806, 464.40, 3.49, 4.00

** 476964.311, 3742735.663, 464.74, 3.49, 4.00

** 476964.568, 3742727.177, 464.74, 3.49, 4.00

** 476967.140, 3742629.723, 467.08, 3.49, 4.00

** 476975.368, 3742595.266, 466.45, 3.49, 4.00

** 476984.594, 3742588.207, 466.95, 3.49, 4.00

** 477039.096, 3742589.147, 464.17, 3.49, 4.00

** 477187.838, 3742593.174, 460.02, 3.49, 4.00

** 477196.563, 3742593.711, 459.93, 3.49, 4.00

** 477202.604, 3742597.873, 459.78, 3.49, 4.00

** 477203.410, 3742606.599, 459.72, 3.49, 4.00

** 477203.141, 3742627.943, 459.76, 3.49, 4.00

** 477204.887, 3742639.220, 459.63, 3.49, 4.00

** 477215.089, 3742644.187, 459.04, 3.49, 4.00

** 477223.009, 3742646.603, 458.97, 3.49, 4.00

**

LOCATION	L0027077	VOLUME	477171.965	3742751.872	459.60
LOCATION	L0027078	VOLUME	477163.511	3742750.347	459.88
LOCATION	L0027079	VOLUME	477154.972	3742749.660	460.04
LOCATION	L0027080	VOLUME	477146.385	3742749.433	460.10
LOCATION	L0027081	VOLUME	477137.798	3742749.207	460.17
LOCATION	L0027082	VOLUME	477129.211	3742748.981	460.26
LOCATION	L0027083	VOLUME	477120.624	3742748.755	460.48
LOCATION	L0027084	VOLUME	477112.037	3742748.528	460.70
LOCATION	L0027085	VOLUME	477103.450	3742748.302	460.91
LOCATION	L0027086	VOLUME	477094.863	3742748.076	461.17
LOCATION	L0027087	VOLUME	477086.276	3742747.849	461.45
LOCATION	L0027088	VOLUME	477077.689	3742747.623	461.74
LOCATION	L0027089	VOLUME	477069.102	3742747.397	462.01
LOCATION	L0027090	VOLUME	477060.515	3742747.170	462.09
LOCATION	L0027091	VOLUME	477051.928	3742746.944	462.18
LOCATION	L0027092	VOLUME	477043.341	3742746.718	462.28
LOCATION	L0027093	VOLUME	477034.754	3742746.492	462.44
LOCATION	L0027094	VOLUME	477026.166	3742746.265	462.64
LOCATION	L0027095	VOLUME	477017.579	3742746.039	462.83
LOCATION	L0027096	VOLUME	477008.992	3742745.813	463.03
LOCATION	L0027097	VOLUME	477000.405	3742745.586	463.32
LOCATION	L0027098	VOLUME	476991.818	3742745.360	463.60
LOCATION	L0027099	VOLUME	476983.231	3742745.134	463.89
LOCATION	L0027100	VOLUME	476974.652	3742744.833	464.07
LOCATION	L0027101	VOLUME	476967.432	3742741.157	464.21
LOCATION	L0027102	VOLUME	476964.380	3742733.400	464.39
LOCATION	L0027103	VOLUME	476964.631	3742724.814	464.55
LOCATION	L0027104	VOLUME	476964.857	3742716.227	464.83
LOCATION	L0027105	VOLUME	476965.084	3742707.640	465.11
LOCATION	L0027106	VOLUME	476965.310	3742699.053	465.39
LOCATION	L0027107	VOLUME	476965.537	3742690.466	465.67
LOCATION	L0027108	VOLUME	476965.763	3742681.879	465.95
LOCATION	L0027109	VOLUME	476965.990	3742673.292	466.22
LOCATION	L0027110	VOLUME	476966.217	3742664.705	466.48
LOCATION	L0027111	VOLUME	476966.443	3742656.118	466.60
LOCATION	L0027112	VOLUME	476966.670	3742647.531	466.71
LOCATION	L0027113	VOLUME	476966.896	3742638.944	466.82
LOCATION	L0027114	VOLUME	476967.123	3742630.357	466.85
LOCATION	L0027115	VOLUME	476968.988	3742621.985	466.73
LOCATION	L0027116	VOLUME	476970.983	3742613.629	466.59
LOCATION	L0027117	VOLUME	476972.978	3742605.274	466.48
LOCATION	L0027118	VOLUME	476974.973	3742596.919	466.58
LOCATION	L0027119	VOLUME	476980.840	3742591.079	466.47
LOCATION	L0027120	VOLUME	476988.457	3742588.274	466.31
LOCATION	L0027121	VOLUME	476997.046	3742588.422	466.02
LOCATION	L0027122	VOLUME	477005.635	3742588.570	465.73
LOCATION	L0027123	VOLUME	477014.223	3742588.718	465.35
LOCATION	L0027124	VOLUME	477022.812	3742588.866	464.90
LOCATION	L0027125	VOLUME	477031.401	3742589.014	464.44
LOCATION	L0027126	VOLUME	477039.989	3742589.171	464.00

LOCATION	VOLUME	SOURCE ID	ADJACENT VOLUME	ADJACENT SOURCE ID	ADJACENT VOLUME
L0027127	477048.576	3742589.404	463.71		
L0027128	477057.163	3742589.636	463.42		
L0027129	477065.750	3742589.869	463.14		
L0027130	477074.337	3742590.101	462.93		
L0027131	477082.924	3742590.334	462.79		
L0027132	477091.510	3742590.566	462.65		
L0027133	477100.097	3742590.799	462.51		
L0027134	477108.684	3742591.031	462.36		
L0027135	477117.271	3742591.264	462.21		
L0027136	477125.858	3742591.496	462.07		
L0027137	477134.445	3742591.729	461.85		
L0027138	477143.032	3742591.961	461.56		
L0027139	477151.618	3742592.194	461.28		
L0027140	477160.205	3742592.426	460.99		
L0027141	477168.792	3742592.659	460.70		
L0027142	477177.379	3742592.891	460.42		
L0027143	477185.966	3742593.124	460.13		
L0027144	477194.542	3742593.587	459.84		
L0027145	477201.970	3742597.436	459.60		
L0027146	477203.323	3742605.659	459.55		
L0027147	477203.314	3742614.245	459.55		
L0027148	477203.206	3742622.834	459.56		
L0027149	477203.674	3742631.383	459.54		
L0027150	477205.480	3742639.509	459.48		
L0027151	477213.203	3742643.269	459.22		
L0027152	477221.299	3742646.081	458.95		

** END OF LINE VOLUME SOURCE ID = SLINE10

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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE11

** DESCRSRC 50% OUTBOUND DRIVEWAY 1 TO PLACENTIA

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 7.595E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 8

** 476981.286, 3742578.539, 467.00, 3.49, 4.00

** 476982.799, 3742563.408, 466.97, 3.49, 4.00

** 477243.543, 3742570.334, 458.24, 3.49, 4.00

** 477266.263, 3742570.956, 458.19, 3.49, 4.00

** 477333.631, 3742574.578, 456.08, 3.49, 4.00

** 477398.856, 3742575.120, 455.99, 3.49, 4.00

** 477413.336, 3742575.735, 455.67, 3.49, 4.00

** 477699.519, 3742564.375, 450.92, 3.49, 4.00

**

L0028054	476981.713	3742574.266	466.94		
L0028055	476982.568	3742565.718	466.91		
L0028056	476989.065	3742563.575	466.69		

LOCATION	L0028057	VOLUME	476997.652	3742563.803	466.41
LOCATION	L0028058	VOLUME	477006.239	3742564.031	466.12
LOCATION	L0028059	VOLUME	477014.826	3742564.259	465.73
LOCATION	L0028060	VOLUME	477023.413	3742564.487	465.27
LOCATION	L0028061	VOLUME	477032.000	3742564.715	464.81
LOCATION	L0028062	VOLUME	477040.587	3742564.943	464.35
LOCATION	L0028063	VOLUME	477049.174	3742565.171	464.06
LOCATION	L0028064	VOLUME	477057.761	3742565.400	463.76
LOCATION	L0028065	VOLUME	477066.348	3742565.628	463.47
LOCATION	L0028066	VOLUME	477074.935	3742565.856	463.29
LOCATION	L0028067	VOLUME	477083.522	3742566.084	463.18
LOCATION	L0028068	VOLUME	477092.109	3742566.312	463.08
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LOCATION	L0028071	VOLUME	477117.870	3742566.996	462.40
LOCATION	L0028072	VOLUME	477126.457	3742567.224	462.11
LOCATION	L0028073	VOLUME	477135.044	3742567.452	461.83
LOCATION	L0028074	VOLUME	477143.631	3742567.680	461.54
LOCATION	L0028075	VOLUME	477152.218	3742567.908	461.26
LOCATION	L0028076	VOLUME	477160.805	3742568.137	460.97
LOCATION	L0028077	VOLUME	477169.392	3742568.365	460.68
LOCATION	L0028078	VOLUME	477177.979	3742568.593	460.40
LOCATION	L0028079	VOLUME	477186.566	3742568.821	460.11
LOCATION	L0028080	VOLUME	477195.153	3742569.049	459.87
LOCATION	L0028081	VOLUME	477203.740	3742569.277	459.64
LOCATION	L0028082	VOLUME	477212.327	3742569.505	459.42
LOCATION	L0028083	VOLUME	477220.914	3742569.733	459.18
LOCATION	L0028084	VOLUME	477229.501	3742569.961	458.89
LOCATION	L0028085	VOLUME	477238.088	3742570.189	458.59
LOCATION	L0028086	VOLUME	477246.675	3742570.420	458.30
LOCATION	L0028087	VOLUME	477255.261	3742570.655	458.15
LOCATION	L0028088	VOLUME	477263.848	3742570.890	458.09
LOCATION	L0028089	VOLUME	477272.428	3742571.287	458.04
LOCATION	L0028090	VOLUME	477281.006	3742571.749	457.96
LOCATION	L0028091	VOLUME	477289.584	3742572.210	457.68
LOCATION	L0028092	VOLUME	477298.161	3742572.671	457.39
LOCATION	L0028093	VOLUME	477306.739	3742573.132	457.10
LOCATION	L0028094	VOLUME	477315.316	3742573.593	456.82
LOCATION	L0028095	VOLUME	477323.894	3742574.054	456.53
LOCATION	L0028096	VOLUME	477332.472	3742574.515	456.25
LOCATION	L0028097	VOLUME	477341.060	3742574.639	456.00
LOCATION	L0028098	VOLUME	477349.649	3742574.711	456.00
LOCATION	L0028099	VOLUME	477358.239	3742574.782	456.00
LOCATION	L0028100	VOLUME	477366.829	3742574.854	456.00
LOCATION	L0028101	VOLUME	477375.418	3742574.925	456.00
LOCATION	L0028102	VOLUME	477384.008	3742574.997	456.00
LOCATION	L0028103	VOLUME	477392.598	3742575.068	456.00
LOCATION	L0028104	VOLUME	477401.186	3742575.219	455.96
LOCATION	L0028105	VOLUME	477409.768	3742575.584	455.67
LOCATION	L0028106	VOLUME	477418.351	3742575.536	455.38

LOCATION	VOLUME				
L0028107	477426.934	3742575.196	455.10		
L0028108	477435.517	3742574.855	454.82		
L0028109	477444.100	3742574.514	454.55		
L0028110	477452.684	3742574.173	454.29		
L0028111	477461.267	3742573.833	454.07		
L0028112	477469.850	3742573.492	454.06		
L0028113	477478.433	3742573.151	454.04		
L0028114	477487.017	3742572.811	454.01		
L0028115	477495.600	3742572.470	453.83		
L0028116	477504.183	3742572.129	453.59		
L0028117	477512.766	3742571.788	453.35		
L0028118	477521.350	3742571.448	453.15		
L0028119	477529.933	3742571.107	453.11		
L0028120	477538.516	3742570.766	453.07		
L0028121	477547.099	3742570.425	453.02		
L0028122	477555.683	3742570.085	452.85		
L0028123	477564.266	3742569.744	452.62		
L0028124	477572.849	3742569.403	452.41		
L0028125	477581.432	3742569.063	452.22		
L0028126	477590.015	3742568.722	452.16		
L0028127	477598.599	3742568.381	452.10		
L0028128	477607.182	3742568.040	452.02		
L0028129	477615.765	3742567.700	451.86		
L0028130	477624.348	3742567.359	451.66		
L0028131	477632.932	3742567.018	451.47		
L0028132	477641.515	3742566.678	451.30		
L0028133	477650.098	3742566.337	451.22		
L0028134	477658.681	3742565.996	451.13		
L0028135	477667.265	3742565.655	451.03		
L0028136	477675.848	3742565.315	451.00		
L0028137	477684.431	3742564.974	451.00		
L0028138	477693.014	3742564.633	451.00		

** END OF LINE VOLUME SOURCE ID = SLINE11

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE12

** DESCRSRC 10% OUTBOUND DRIVEWAY 1 TO RAMONA EXPRESSWAY

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 6.305E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 20

** 476981.286, 3742578.539, 467.00, 3.49, 4.00

** 476982.799, 3742563.408, 466.97, 3.49, 4.00

** 477243.543, 3742570.334, 458.24, 3.49, 4.00

** 477240.860, 3742633.627, 458.16, 3.49, 4.00

** 477233.188, 3742662.753, 458.74, 3.49, 4.00

** 477122.237, 3742964.016, 459.12, 3.49, 4.00

** 476961.932, 3743433.173, 460.40, 3.49, 4.00
 ** 476848.425, 3743750.376, 458.10, 3.49, 4.00
 ** 476789.572, 3743906.862, 459.05, 3.49, 4.00
 ** 476744.914, 3744035.557, 459.88, 3.49, 4.00
 ** 476727.442, 3744096.632, 460.05, 3.49, 4.00
 ** 476725.279, 3744176.820, 459.56, 3.49, 4.00
 ** 476720.744, 3744269.896, 458.88, 3.49, 4.00
 ** 476693.722, 3744348.450, 459.13, 3.49, 4.00
 ** 476652.624, 3744402.395, 459.08, 3.49, 4.00
 ** 476541.869, 3744486.122, 461.06, 3.49, 4.00
 ** 476370.429, 3744608.671, 462.94, 3.49, 4.00
 ** 476428.695, 3744684.038, 461.38, 3.49, 4.00
 ** 476497.471, 3744743.618, 460.05, 3.49, 4.00
 ** 476765.254, 3744854.074, 456.97, 3.49, 4.00

**

LOCATION	L0028139	VOLUME	476981.713	3742574.266	466.94
LOCATION	L0028140	VOLUME	476982.568	3742565.718	466.91
LOCATION	L0028141	VOLUME	476989.065	3742563.575	466.69
LOCATION	L0028142	VOLUME	476997.652	3742563.803	466.41
LOCATION	L0028143	VOLUME	477006.239	3742564.031	466.12
LOCATION	L0028144	VOLUME	477014.826	3742564.259	465.73
LOCATION	L0028145	VOLUME	477023.413	3742564.487	465.27
LOCATION	L0028146	VOLUME	477032.000	3742564.715	464.81
LOCATION	L0028147	VOLUME	477040.587	3742564.943	464.35
LOCATION	L0028148	VOLUME	477049.174	3742565.171	464.06
LOCATION	L0028149	VOLUME	477057.761	3742565.400	463.76
LOCATION	L0028150	VOLUME	477066.348	3742565.628	463.47
LOCATION	L0028151	VOLUME	477074.935	3742565.856	463.29
LOCATION	L0028152	VOLUME	477083.522	3742566.084	463.18
LOCATION	L0028153	VOLUME	477092.109	3742566.312	463.08
LOCATION	L0028154	VOLUME	477100.696	3742566.540	462.97
LOCATION	L0028155	VOLUME	477109.283	3742566.768	462.69
LOCATION	L0028156	VOLUME	477117.870	3742566.996	462.40
LOCATION	L0028157	VOLUME	477126.457	3742567.224	462.11
LOCATION	L0028158	VOLUME	477135.044	3742567.452	461.83
LOCATION	L0028159	VOLUME	477143.631	3742567.680	461.54
LOCATION	L0028160	VOLUME	477152.218	3742567.908	461.26
LOCATION	L0028161	VOLUME	477160.805	3742568.137	460.97
LOCATION	L0028162	VOLUME	477169.392	3742568.365	460.68
LOCATION	L0028163	VOLUME	477177.979	3742568.593	460.40
LOCATION	L0028164	VOLUME	477186.566	3742568.821	460.11
LOCATION	L0028165	VOLUME	477195.153	3742569.049	459.87
LOCATION	L0028166	VOLUME	477203.740	3742569.277	459.64
LOCATION	L0028167	VOLUME	477212.327	3742569.505	459.42
LOCATION	L0028168	VOLUME	477220.914	3742569.733	459.18
LOCATION	L0028169	VOLUME	477229.501	3742569.961	458.89
LOCATION	L0028170	VOLUME	477238.088	3742570.189	458.59
LOCATION	L0028171	VOLUME	477243.410	3742573.465	458.31
LOCATION	L0028172	VOLUME	477243.046	3742582.047	458.23
LOCATION	L0028173	VOLUME	477242.682	3742590.629	458.24

LOCATION	L0028174	VOLUME	477242.319	3742599.211	458.25
LOCATION	L0028175	VOLUME	477241.955	3742607.794	458.26
LOCATION	L0028176	VOLUME	477241.591	3742616.376	458.28
LOCATION	L0028177	VOLUME	477241.227	3742624.958	458.29
LOCATION	L0028178	VOLUME	477240.863	3742633.541	458.30
LOCATION	L0028179	VOLUME	477238.694	3742641.850	458.37
LOCATION	L0028180	VOLUME	477236.506	3742650.157	458.45
LOCATION	L0028181	VOLUME	477234.318	3742658.463	458.52
LOCATION	L0028182	VOLUME	477231.752	3742666.651	458.60
LOCATION	L0028183	VOLUME	477228.783	3742674.712	458.70
LOCATION	L0028184	VOLUME	477225.815	3742682.772	458.80
LOCATION	L0028185	VOLUME	477222.846	3742690.833	458.90
LOCATION	L0028186	VOLUME	477219.878	3742698.894	458.91
LOCATION	L0028187	VOLUME	477216.909	3742706.955	458.68
LOCATION	L0028188	VOLUME	477213.940	3742715.015	458.50
LOCATION	L0028189	VOLUME	477210.972	3742723.076	458.37
LOCATION	L0028190	VOLUME	477208.003	3742731.137	458.40
LOCATION	L0028191	VOLUME	477205.034	3742739.198	458.49
LOCATION	L0028192	VOLUME	477202.066	3742747.258	458.59
LOCATION	L0028193	VOLUME	477199.097	3742755.319	458.69
LOCATION	L0028194	VOLUME	477196.129	3742763.380	458.79
LOCATION	L0028195	VOLUME	477193.160	3742771.440	458.89
LOCATION	L0028196	VOLUME	477190.191	3742779.501	458.99
LOCATION	L0028197	VOLUME	477187.223	3742787.562	459.08
LOCATION	L0028198	VOLUME	477184.254	3742795.623	459.13
LOCATION	L0028199	VOLUME	477181.285	3742803.683	459.12
LOCATION	L0028200	VOLUME	477178.317	3742811.744	459.06
LOCATION	L0028201	VOLUME	477175.348	3742819.805	458.94
LOCATION	L0028202	VOLUME	477172.379	3742827.866	458.84
LOCATION	L0028203	VOLUME	477169.411	3742835.926	458.79
LOCATION	L0028204	VOLUME	477166.442	3742843.987	458.80
LOCATION	L0028205	VOLUME	477163.474	3742852.048	458.88
LOCATION	L0028206	VOLUME	477160.505	3742860.108	458.98
LOCATION	L0028207	VOLUME	477157.536	3742868.169	459.08
LOCATION	L0028208	VOLUME	477154.568	3742876.230	459.18
LOCATION	L0028209	VOLUME	477151.599	3742884.291	459.28
LOCATION	L0028210	VOLUME	477148.630	3742892.351	459.37
LOCATION	L0028211	VOLUME	477145.662	3742900.412	459.47
LOCATION	L0028212	VOLUME	477142.693	3742908.473	459.53
LOCATION	L0028213	VOLUME	477139.725	3742916.534	459.44
LOCATION	L0028214	VOLUME	477136.756	3742924.594	459.30
LOCATION	L0028215	VOLUME	477133.787	3742932.655	459.10
LOCATION	L0028216	VOLUME	477130.819	3742940.716	459.00
LOCATION	L0028217	VOLUME	477127.850	3742948.776	459.07
LOCATION	L0028218	VOLUME	477124.881	3742956.837	459.17
LOCATION	L0028219	VOLUME	477121.934	3742964.905	459.26
LOCATION	L0028220	VOLUME	477119.156	3742973.034	459.36
LOCATION	L0028221	VOLUME	477116.379	3742981.163	459.45
LOCATION	L0028222	VOLUME	477113.601	3742989.291	459.54
LOCATION	L0028223	VOLUME	477110.824	3742997.420	459.63

LOCATION	L0028224	VOLUME	477108.046	3743005.548	459.73
LOCATION	L0028225	VOLUME	477105.269	3743013.677	459.82
LOCATION	L0028226	VOLUME	477102.492	3743021.805	459.91
LOCATION	L0028227	VOLUME	477099.714	3743029.934	460.00
LOCATION	L0028228	VOLUME	477096.937	3743038.063	460.00
LOCATION	L0028229	VOLUME	477094.159	3743046.191	460.00
LOCATION	L0028230	VOLUME	477091.382	3743054.320	460.00
LOCATION	L0028231	VOLUME	477088.604	3743062.448	460.00
LOCATION	L0028232	VOLUME	477085.827	3743070.577	460.00
LOCATION	L0028233	VOLUME	477083.050	3743078.706	460.00
LOCATION	L0028234	VOLUME	477080.272	3743086.834	460.00
LOCATION	L0028235	VOLUME	477077.495	3743094.963	460.00
LOCATION	L0028236	VOLUME	477074.717	3743103.091	460.00
LOCATION	L0028237	VOLUME	477071.940	3743111.220	460.00
LOCATION	L0028238	VOLUME	477069.162	3743119.349	460.00
LOCATION	L0028239	VOLUME	477066.385	3743127.477	460.00
LOCATION	L0028240	VOLUME	477063.607	3743135.606	460.00
LOCATION	L0028241	VOLUME	477060.830	3743143.734	460.00
LOCATION	L0028242	VOLUME	477058.053	3743151.863	460.00
LOCATION	L0028243	VOLUME	477055.275	3743159.991	460.00
LOCATION	L0028244	VOLUME	477052.498	3743168.120	460.00
LOCATION	L0028245	VOLUME	477049.720	3743176.249	460.00
LOCATION	L0028246	VOLUME	477046.943	3743184.377	460.00
LOCATION	L0028247	VOLUME	477044.165	3743192.506	460.00
LOCATION	L0028248	VOLUME	477041.388	3743200.634	460.00
LOCATION	L0028249	VOLUME	477038.611	3743208.763	460.04
LOCATION	L0028250	VOLUME	477035.833	3743216.892	460.13
LOCATION	L0028251	VOLUME	477033.056	3743225.020	460.23
LOCATION	L0028252	VOLUME	477030.278	3743233.149	460.32
LOCATION	L0028253	VOLUME	477027.501	3743241.277	460.34
LOCATION	L0028254	VOLUME	477024.723	3743249.406	460.28
LOCATION	L0028255	VOLUME	477021.946	3743257.535	460.17
LOCATION	L0028256	VOLUME	477019.168	3743265.663	460.01
LOCATION	L0028257	VOLUME	477016.391	3743273.792	460.00
LOCATION	L0028258	VOLUME	477013.614	3743281.920	460.00
LOCATION	L0028259	VOLUME	477010.836	3743290.049	460.00
LOCATION	L0028260	VOLUME	477008.059	3743298.177	460.06
LOCATION	L0028261	VOLUME	477005.281	3743306.306	460.15
LOCATION	L0028262	VOLUME	477002.504	3743314.435	460.25
LOCATION	L0028263	VOLUME	476999.726	3743322.563	460.34
LOCATION	L0028264	VOLUME	476996.949	3743330.692	460.43
LOCATION	L0028265	VOLUME	476994.172	3743338.820	460.52
LOCATION	L0028266	VOLUME	476991.394	3743346.949	460.62
LOCATION	L0028267	VOLUME	476988.617	3743355.078	460.71
LOCATION	L0028268	VOLUME	476985.839	3743363.206	460.61
LOCATION	L0028269	VOLUME	476983.062	3743371.335	460.44
LOCATION	L0028270	VOLUME	476980.284	3743379.463	460.22
LOCATION	L0028271	VOLUME	476977.507	3743387.592	460.08
LOCATION	L0028272	VOLUME	476974.729	3743395.721	460.17
LOCATION	L0028273	VOLUME	476971.952	3743403.849	460.26

LOCATION	L0028274	VOLUME	476969.175	3743411.978	460.36
LOCATION	L0028275	VOLUME	476966.397	3743420.106	460.39
LOCATION	L0028276	VOLUME	476963.620	3743428.235	460.32
LOCATION	L0028277	VOLUME	476960.796	3743436.347	460.21
LOCATION	L0028278	VOLUME	476957.902	3743444.435	460.04
LOCATION	L0028279	VOLUME	476955.008	3743452.523	460.00
LOCATION	L0028280	VOLUME	476952.114	3743460.611	460.00
LOCATION	L0028281	VOLUME	476949.220	3743468.699	460.01
LOCATION	L0028282	VOLUME	476946.326	3743476.786	460.00
LOCATION	L0028283	VOLUME	476943.432	3743484.874	460.00
LOCATION	L0028284	VOLUME	476940.538	3743492.962	460.00
LOCATION	L0028285	VOLUME	476937.644	3743501.050	460.00
LOCATION	L0028286	VOLUME	476934.749	3743509.137	460.00
LOCATION	L0028287	VOLUME	476931.855	3743517.225	460.00
LOCATION	L0028288	VOLUME	476928.961	3743525.313	460.00
LOCATION	L0028289	VOLUME	476926.067	3743533.401	460.00
LOCATION	L0028290	VOLUME	476923.173	3743541.489	460.00
LOCATION	L0028291	VOLUME	476920.279	3743549.576	460.00
LOCATION	L0028292	VOLUME	476917.385	3743557.664	460.00
LOCATION	L0028293	VOLUME	476914.491	3743565.752	460.00
LOCATION	L0028294	VOLUME	476911.597	3743573.840	459.81
LOCATION	L0028295	VOLUME	476908.702	3743581.927	459.67
LOCATION	L0028296	VOLUME	476905.808	3743590.015	459.58
LOCATION	L0028297	VOLUME	476902.914	3743598.103	459.53
LOCATION	L0028298	VOLUME	476900.020	3743606.191	459.44
LOCATION	L0028299	VOLUME	476897.126	3743614.279	459.30
LOCATION	L0028300	VOLUME	476894.232	3743622.366	459.11
LOCATION	L0028301	VOLUME	476891.338	3743630.454	459.00
LOCATION	L0028302	VOLUME	476888.444	3743638.542	459.00
LOCATION	L0028303	VOLUME	476885.549	3743646.630	459.00
LOCATION	L0028304	VOLUME	476882.655	3743654.717	459.00
LOCATION	L0028305	VOLUME	476879.761	3743662.805	458.85
LOCATION	L0028306	VOLUME	476876.867	3743670.893	458.72
LOCATION	L0028307	VOLUME	476873.973	3743678.981	458.64
LOCATION	L0028308	VOLUME	476871.079	3743687.069	458.61
LOCATION	L0028309	VOLUME	476868.185	3743695.156	458.51
LOCATION	L0028310	VOLUME	476865.291	3743703.244	458.35
LOCATION	L0028311	VOLUME	476862.397	3743711.332	458.15
LOCATION	L0028312	VOLUME	476859.502	3743719.420	458.01
LOCATION	L0028313	VOLUME	476856.608	3743727.508	458.07
LOCATION	L0028314	VOLUME	476853.714	3743735.595	458.07
LOCATION	L0028315	VOLUME	476850.820	3743743.683	458.03
LOCATION	L0028316	VOLUME	476847.904	3743751.763	457.89
LOCATION	L0028317	VOLUME	476844.880	3743759.803	457.77
LOCATION	L0028318	VOLUME	476841.856	3743767.843	457.71
LOCATION	L0028319	VOLUME	476838.832	3743775.883	457.70
LOCATION	L0028320	VOLUME	476835.808	3743783.923	457.59
LOCATION	L0028321	VOLUME	476832.784	3743791.964	457.43
LOCATION	L0028322	VOLUME	476829.761	3743800.004	457.21
LOCATION	L0028323	VOLUME	476826.737	3743808.044	457.16

LOCATION	L0028324	VOLUME	476823.713	3743816.084	457.47
LOCATION	L0028325	VOLUME	476820.689	3743824.124	457.72
LOCATION	L0028326	VOLUME	476817.665	3743832.164	457.92
LOCATION	L0028327	VOLUME	476814.641	3743840.205	458.07
LOCATION	L0028328	VOLUME	476811.618	3743848.245	458.24
LOCATION	L0028329	VOLUME	476808.594	3743856.285	458.48
LOCATION	L0028330	VOLUME	476805.570	3743864.325	458.76
LOCATION	L0028331	VOLUME	476802.546	3743872.365	458.91
LOCATION	L0028332	VOLUME	476799.522	3743880.406	459.00
LOCATION	L0028333	VOLUME	476796.498	3743888.446	459.00
LOCATION	L0028334	VOLUME	476793.475	3743896.486	459.00
LOCATION	L0028335	VOLUME	476790.451	3743904.526	459.00
LOCATION	L0028336	VOLUME	476787.574	3743912.620	459.00
LOCATION	L0028337	VOLUME	476784.758	3743920.735	459.00
LOCATION	L0028338	VOLUME	476781.942	3743928.850	459.00
LOCATION	L0028339	VOLUME	476779.126	3743936.965	459.00
LOCATION	L0028340	VOLUME	476776.310	3743945.081	459.00
LOCATION	L0028341	VOLUME	476773.494	3743953.196	459.00
LOCATION	L0028342	VOLUME	476770.678	3743961.311	459.00
LOCATION	L0028343	VOLUME	476767.862	3743969.427	459.07
LOCATION	L0028344	VOLUME	476765.046	3743977.542	459.16
LOCATION	L0028345	VOLUME	476762.230	3743985.657	459.25
LOCATION	L0028346	VOLUME	476759.413	3743993.772	459.35
LOCATION	L0028347	VOLUME	476756.597	3744001.888	459.44
LOCATION	L0028348	VOLUME	476753.781	3744010.003	459.54
LOCATION	L0028349	VOLUME	476750.965	3744018.118	459.63
LOCATION	L0028350	VOLUME	476748.149	3744026.234	459.72
LOCATION	L0028351	VOLUME	476745.333	3744034.349	459.82
LOCATION	L0028352	VOLUME	476742.903	3744042.586	459.90
LOCATION	L0028353	VOLUME	476740.541	3744050.845	459.98
LOCATION	L0028354	VOLUME	476738.178	3744059.104	460.00
LOCATION	L0028355	VOLUME	476735.815	3744067.362	460.00
LOCATION	L0028356	VOLUME	476733.453	3744075.621	460.00
LOCATION	L0028357	VOLUME	476731.090	3744083.880	460.00
LOCATION	L0028358	VOLUME	476728.728	3744092.139	460.00
LOCATION	L0028359	VOLUME	476727.337	3744100.547	460.00
LOCATION	L0028360	VOLUME	476727.105	3744109.134	460.00
LOCATION	L0028361	VOLUME	476726.873	3744117.721	460.00
LOCATION	L0028362	VOLUME	476726.642	3744126.307	460.00
LOCATION	L0028363	VOLUME	476726.410	3744134.894	460.00
LOCATION	L0028364	VOLUME	476726.178	3744143.481	459.87
LOCATION	L0028365	VOLUME	476725.947	3744152.068	459.72
LOCATION	L0028366	VOLUME	476725.715	3744160.655	459.57
LOCATION	L0028367	VOLUME	476725.483	3744169.242	459.48
LOCATION	L0028368	VOLUME	476725.230	3744177.828	459.49
LOCATION	L0028369	VOLUME	476724.812	3744186.408	459.50
LOCATION	L0028370	VOLUME	476724.394	3744194.988	459.52
LOCATION	L0028371	VOLUME	476723.976	3744203.567	459.40
LOCATION	L0028372	VOLUME	476723.557	3744212.147	459.25
LOCATION	L0028373	VOLUME	476723.139	3744220.727	459.10

LOCATION	L0028374	VOLUME	476722.721	3744229.307	458.96
LOCATION	L0028375	VOLUME	476722.303	3744237.887	458.84
LOCATION	L0028376	VOLUME	476721.885	3744246.466	458.73
LOCATION	L0028377	VOLUME	476721.467	3744255.046	458.63
LOCATION	L0028378	VOLUME	476721.049	3744263.626	458.63
LOCATION	L0028379	VOLUME	476719.991	3744272.083	458.66
LOCATION	L0028380	VOLUME	476717.197	3744280.206	458.76
LOCATION	L0028381	VOLUME	476714.403	3744288.329	458.85
LOCATION	L0028382	VOLUME	476711.609	3744296.451	458.94
LOCATION	L0028383	VOLUME	476708.815	3744304.574	459.03
LOCATION	L0028384	VOLUME	476706.020	3744312.697	459.13
LOCATION	L0028385	VOLUME	476703.226	3744320.820	459.19
LOCATION	L0028386	VOLUME	476700.432	3744328.943	459.18
LOCATION	L0028387	VOLUME	476697.638	3744337.066	459.12
LOCATION	L0028388	VOLUME	476694.844	3744345.189	459.02
LOCATION	L0028389	VOLUME	476690.606	3744352.539	458.92
LOCATION	L0028390	VOLUME	476685.401	3744359.372	458.92
LOCATION	L0028391	VOLUME	476680.195	3744366.205	458.99
LOCATION	L0028392	VOLUME	476674.989	3744373.038	459.16
LOCATION	L0028393	VOLUME	476669.784	3744379.871	459.29
LOCATION	L0028394	VOLUME	476664.578	3744386.704	459.33
LOCATION	L0028395	VOLUME	476659.372	3744393.537	459.29
LOCATION	L0028396	VOLUME	476654.167	3744400.370	459.17
LOCATION	L0028397	VOLUME	476647.802	3744406.040	459.07
LOCATION	L0028398	VOLUME	476640.950	3744411.220	459.30
LOCATION	L0028399	VOLUME	476634.098	3744416.400	459.52
LOCATION	L0028400	VOLUME	476627.246	3744421.580	459.75
LOCATION	L0028401	VOLUME	476620.393	3744426.761	459.98
LOCATION	L0028402	VOLUME	476613.541	3744431.941	460.00
LOCATION	L0028403	VOLUME	476606.689	3744437.121	460.00
LOCATION	L0028404	VOLUME	476599.836	3744442.301	460.00
LOCATION	L0028405	VOLUME	476592.984	3744447.481	460.00
LOCATION	L0028406	VOLUME	476586.132	3744452.661	460.12
LOCATION	L0028407	VOLUME	476579.279	3744457.841	460.35
LOCATION	L0028408	VOLUME	476572.427	3744463.021	460.58
LOCATION	L0028409	VOLUME	476565.575	3744468.202	460.81
LOCATION	L0028410	VOLUME	476558.722	3744473.382	461.00
LOCATION	L0028411	VOLUME	476551.870	3744478.562	461.00
LOCATION	L0028412	VOLUME	476545.018	3744483.742	461.00
LOCATION	L0028413	VOLUME	476538.092	3744488.822	461.00
LOCATION	L0028414	VOLUME	476531.104	3744493.817	461.00
LOCATION	L0028415	VOLUME	476524.115	3744498.813	461.17
LOCATION	L0028416	VOLUME	476517.127	3744503.808	461.32
LOCATION	L0028417	VOLUME	476510.139	3744508.803	461.38
LOCATION	L0028418	VOLUME	476503.151	3744513.799	461.37
LOCATION	L0028419	VOLUME	476496.163	3744518.794	461.34
LOCATION	L0028420	VOLUME	476489.174	3744523.789	461.41
LOCATION	L0028421	VOLUME	476482.186	3744528.785	461.59
LOCATION	L0028422	VOLUME	476475.198	3744533.780	461.82
LOCATION	L0028423	VOLUME	476468.210	3744538.775	462.00

LOCATION L0028424	VOLUME	476461.222	3744543.771	462.00
LOCATION L0028425	VOLUME	476454.233	3744548.766	462.00
LOCATION L0028426	VOLUME	476447.245	3744553.761	462.00
LOCATION L0028427	VOLUME	476440.257	3744558.756	462.00
LOCATION L0028428	VOLUME	476433.269	3744563.752	462.00
LOCATION L0028429	VOLUME	476426.281	3744568.747	462.00
LOCATION L0028430	VOLUME	476419.292	3744573.742	462.00
LOCATION L0028431	VOLUME	476412.304	3744578.738	462.00
LOCATION L0028432	VOLUME	476405.316	3744583.733	462.15
LOCATION L0028433	VOLUME	476398.328	3744588.728	462.38
LOCATION L0028434	VOLUME	476391.339	3744593.724	462.62
LOCATION L0028435	VOLUME	476384.351	3744598.719	462.85
LOCATION L0028436	VOLUME	476377.363	3744603.714	463.00
LOCATION L0028437	VOLUME	476370.469	3744608.723	463.00
LOCATION L0028438	VOLUME	476375.723	3744615.519	463.00
LOCATION L0028439	VOLUME	476380.977	3744622.315	462.77
LOCATION L0028440	VOLUME	476386.231	3744629.111	462.45
LOCATION L0028441	VOLUME	476391.485	3744635.907	462.21
LOCATION L0028442	VOLUME	476396.739	3744642.703	462.05
LOCATION L0028443	VOLUME	476401.993	3744649.499	462.00
LOCATION L0028444	VOLUME	476407.247	3744656.295	462.00
LOCATION L0028445	VOLUME	476412.501	3744663.091	461.91
LOCATION L0028446	VOLUME	476417.755	3744669.887	461.74
LOCATION L0028447	VOLUME	476423.009	3744676.682	461.56
LOCATION L0028448	VOLUME	476428.263	3744683.478	461.39
LOCATION L0028449	VOLUME	476434.653	3744689.199	461.17
LOCATION L0028450	VOLUME	476441.146	3744694.824	460.96
LOCATION L0028451	VOLUME	476447.638	3744700.448	460.74
LOCATION L0028452	VOLUME	476454.131	3744706.073	460.52
LOCATION L0028453	VOLUME	476460.623	3744711.697	460.43
LOCATION L0028454	VOLUME	476467.116	3744717.322	460.43
LOCATION L0028455	VOLUME	476473.608	3744722.946	460.49
LOCATION L0028456	VOLUME	476480.101	3744728.571	460.49
LOCATION L0028457	VOLUME	476486.593	3744734.195	460.41
LOCATION L0028458	VOLUME	476493.086	3744739.820	460.20
LOCATION L0028459	VOLUME	476500.049	3744744.682	460.00
LOCATION L0028460	VOLUME	476507.990	3744747.957	460.00
LOCATION L0028461	VOLUME	476515.931	3744751.233	460.00
LOCATION L0028462	VOLUME	476523.872	3744754.508	460.00
LOCATION L0028463	VOLUME	476531.813	3744757.784	459.93
LOCATION L0028464	VOLUME	476539.754	3744761.059	459.67
LOCATION L0028465	VOLUME	476547.695	3744764.335	459.40
LOCATION L0028466	VOLUME	476555.636	3744767.610	459.14
LOCATION L0028467	VOLUME	476563.577	3744770.886	458.88
LOCATION L0028468	VOLUME	476571.518	3744774.161	458.61
LOCATION L0028469	VOLUME	476579.458	3744777.437	458.35
LOCATION L0028470	VOLUME	476587.399	3744780.712	458.08
LOCATION L0028471	VOLUME	476595.340	3744783.988	458.00
LOCATION L0028472	VOLUME	476603.281	3744787.263	458.00
LOCATION L0028473	VOLUME	476611.222	3744790.539	458.00

LOCATION L0028474	VOLUME	476619.163	3744793.814	458.00
LOCATION L0028475	VOLUME	476627.104	3744797.090	457.99
LOCATION L0028476	VOLUME	476635.045	3744800.365	457.93
LOCATION L0028477	VOLUME	476642.986	3744803.641	457.81
LOCATION L0028478	VOLUME	476650.927	3744806.916	457.62
LOCATION L0028479	VOLUME	476658.868	3744810.192	457.37
LOCATION L0028480	VOLUME	476666.809	3744813.467	457.18
LOCATION L0028481	VOLUME	476674.750	3744816.743	457.05
LOCATION L0028482	VOLUME	476682.691	3744820.018	457.00
LOCATION L0028483	VOLUME	476690.632	3744823.294	457.00
LOCATION L0028484	VOLUME	476698.573	3744826.569	457.00
LOCATION L0028485	VOLUME	476706.514	3744829.845	457.00
LOCATION L0028486	VOLUME	476714.455	3744833.120	457.00
LOCATION L0028487	VOLUME	476722.396	3744836.396	457.00
LOCATION L0028488	VOLUME	476730.337	3744839.671	457.00
LOCATION L0028489	VOLUME	476738.278	3744842.946	457.00
LOCATION L0028490	VOLUME	476746.219	3744846.222	457.00
LOCATION L0028491	VOLUME	476754.160	3744849.497	457.00
LOCATION L0028492	VOLUME	476762.101	3744852.773	457.00

** END OF LINE VOLUME SOURCE ID = SLINE12

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE14

** DESCRSRC 10% INBOUND DRIVEWAY 3 FROM RAMONA EXPRESSWAY

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 5.32E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 16

** 477191.210, 3742759.709, 459.00, 3.49, 4.00

** 477122.237, 3742964.016, 459.12, 3.49, 4.00

** 476961.932, 3743433.173, 460.40, 3.49, 4.00

** 476848.425, 3743750.376, 458.10, 3.49, 4.00

** 476789.572, 3743906.862, 459.05, 3.49, 4.00

** 476744.914, 3744035.557, 459.88, 3.49, 4.00

** 476727.442, 3744096.632, 460.05, 3.49, 4.00

** 476725.279, 3744176.820, 459.56, 3.49, 4.00

** 476720.744, 3744269.896, 458.88, 3.49, 4.00

** 476693.722, 3744348.450, 459.13, 3.49, 4.00

** 476652.624, 3744402.395, 459.08, 3.49, 4.00

** 476541.869, 3744486.122, 461.06, 3.49, 4.00

** 476370.429, 3744608.671, 462.94, 3.49, 4.00

** 476428.695, 3744684.038, 461.38, 3.49, 4.00

** 476497.471, 3744743.618, 460.05, 3.49, 4.00

** 476765.254, 3744854.074, 456.97, 3.49, 4.00

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LOCATION L0028493	VOLUME	477189.836	3742763.778	459.00
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LOCATION L0028494	VOLUME	477187.088	3742771.917	459.09
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LOCATION	L0028495	VOLUME	477184.341	3742780.056	459.18
LOCATION	L0028496	VOLUME	477181.593	3742788.194	459.26
LOCATION	L0028497	VOLUME	477178.846	3742796.333	459.24
LOCATION	L0028498	VOLUME	477176.098	3742804.472	459.18
LOCATION	L0028499	VOLUME	477173.351	3742812.611	459.07
LOCATION	L0028500	VOLUME	477170.603	3742820.749	458.95
LOCATION	L0028501	VOLUME	477167.856	3742828.888	458.89
LOCATION	L0028502	VOLUME	477165.108	3742837.027	458.88
LOCATION	L0028503	VOLUME	477162.360	3742845.166	458.92
LOCATION	L0028504	VOLUME	477159.613	3742853.304	459.01
LOCATION	L0028505	VOLUME	477156.865	3742861.443	459.10
LOCATION	L0028506	VOLUME	477154.118	3742869.582	459.19
LOCATION	L0028507	VOLUME	477151.370	3742877.720	459.28
LOCATION	L0028508	VOLUME	477148.623	3742885.859	459.37
LOCATION	L0028509	VOLUME	477145.875	3742893.998	459.47
LOCATION	L0028510	VOLUME	477143.127	3742902.137	459.56
LOCATION	L0028511	VOLUME	477140.380	3742910.275	459.56
LOCATION	L0028512	VOLUME	477137.632	3742918.414	459.44
LOCATION	L0028513	VOLUME	477134.885	3742926.553	459.27
LOCATION	L0028514	VOLUME	477132.137	3742934.692	459.05
LOCATION	L0028515	VOLUME	477129.390	3742942.830	459.02
LOCATION	L0028516	VOLUME	477126.642	3742950.969	459.11
LOCATION	L0028517	VOLUME	477123.894	3742959.108	459.20
LOCATION	L0028518	VOLUME	477121.135	3742967.242	459.29
LOCATION	L0028519	VOLUME	477118.358	3742975.371	459.38
LOCATION	L0028520	VOLUME	477115.580	3742983.500	459.48
LOCATION	L0028521	VOLUME	477112.803	3742991.628	459.57
LOCATION	L0028522	VOLUME	477110.025	3742999.757	459.66
LOCATION	L0028523	VOLUME	477107.248	3743007.885	459.75
LOCATION	L0028524	VOLUME	477104.470	3743016.014	459.85
LOCATION	L0028525	VOLUME	477101.693	3743024.143	459.94
LOCATION	L0028526	VOLUME	477098.916	3743032.271	460.00
LOCATION	L0028527	VOLUME	477096.138	3743040.400	460.00
LOCATION	L0028528	VOLUME	477093.361	3743048.528	460.00
LOCATION	L0028529	VOLUME	477090.583	3743056.657	460.00
LOCATION	L0028530	VOLUME	477087.806	3743064.786	460.00
LOCATION	L0028531	VOLUME	477085.028	3743072.914	460.00
LOCATION	L0028532	VOLUME	477082.251	3743081.043	460.00
LOCATION	L0028533	VOLUME	477079.474	3743089.171	460.00
LOCATION	L0028534	VOLUME	477076.696	3743097.300	460.00
LOCATION	L0028535	VOLUME	477073.919	3743105.428	460.00
LOCATION	L0028536	VOLUME	477071.141	3743113.557	460.00
LOCATION	L0028537	VOLUME	477068.364	3743121.686	460.00
LOCATION	L0028538	VOLUME	477065.586	3743129.814	460.00
LOCATION	L0028539	VOLUME	477062.809	3743137.943	460.00
LOCATION	L0028540	VOLUME	477060.031	3743146.071	460.00
LOCATION	L0028541	VOLUME	477057.254	3743154.200	460.00
LOCATION	L0028542	VOLUME	477054.477	3743162.329	460.00
LOCATION	L0028543	VOLUME	477051.699	3743170.457	460.00
LOCATION	L0028544	VOLUME	477048.922	3743178.586	460.00

LOCATION	L0028545	VOLUME	477046.144	3743186.714	460.00
LOCATION	L0028546	VOLUME	477043.367	3743194.843	460.00
LOCATION	L0028547	VOLUME	477040.589	3743202.972	460.00
LOCATION	L0028548	VOLUME	477037.812	3743211.100	460.07
LOCATION	L0028549	VOLUME	477035.035	3743219.229	460.16
LOCATION	L0028550	VOLUME	477032.257	3743227.357	460.25
LOCATION	L0028551	VOLUME	477029.480	3743235.486	460.35
LOCATION	L0028552	VOLUME	477026.702	3743243.614	460.33
LOCATION	L0028553	VOLUME	477023.925	3743251.743	460.26
LOCATION	L0028554	VOLUME	477021.147	3743259.872	460.13
LOCATION	L0028555	VOLUME	477018.370	3743268.000	460.00
LOCATION	L0028556	VOLUME	477015.592	3743276.129	460.00
LOCATION	L0028557	VOLUME	477012.815	3743284.257	460.00
LOCATION	L0028558	VOLUME	477010.038	3743292.386	460.00
LOCATION	L0028559	VOLUME	477007.260	3743300.515	460.09
LOCATION	L0028560	VOLUME	477004.483	3743308.643	460.18
LOCATION	L0028561	VOLUME	477001.705	3743316.772	460.27
LOCATION	L0028562	VOLUME	476998.928	3743324.900	460.36
LOCATION	L0028563	VOLUME	476996.150	3743333.029	460.46
LOCATION	L0028564	VOLUME	476993.373	3743341.158	460.55
LOCATION	L0028565	VOLUME	476990.596	3743349.286	460.64
LOCATION	L0028566	VOLUME	476987.818	3743357.415	460.70
LOCATION	L0028567	VOLUME	476985.041	3743365.543	460.57
LOCATION	L0028568	VOLUME	476982.263	3743373.672	460.38
LOCATION	L0028569	VOLUME	476979.486	3743381.800	460.16
LOCATION	L0028570	VOLUME	476976.708	3743389.929	460.11
LOCATION	L0028571	VOLUME	476973.931	3743398.058	460.20
LOCATION	L0028572	VOLUME	476971.153	3743406.186	460.29
LOCATION	L0028573	VOLUME	476968.376	3743414.315	460.38
LOCATION	L0028574	VOLUME	476965.599	3743422.443	460.38
LOCATION	L0028575	VOLUME	476962.821	3743430.572	460.30
LOCATION	L0028576	VOLUME	476959.964	3743438.673	460.17
LOCATION	L0028577	VOLUME	476957.070	3743446.761	460.00
LOCATION	L0028578	VOLUME	476954.176	3743454.848	460.00
LOCATION	L0028579	VOLUME	476951.282	3743462.936	460.00
LOCATION	L0028580	VOLUME	476948.388	3743471.024	460.01
LOCATION	L0028581	VOLUME	476945.494	3743479.112	460.00
LOCATION	L0028582	VOLUME	476942.600	3743487.200	460.00
LOCATION	L0028583	VOLUME	476939.706	3743495.287	460.00
LOCATION	L0028584	VOLUME	476936.811	3743503.375	460.00
LOCATION	L0028585	VOLUME	476933.917	3743511.463	460.00
LOCATION	L0028586	VOLUME	476931.023	3743519.551	460.00
LOCATION	L0028587	VOLUME	476928.129	3743527.638	460.00
LOCATION	L0028588	VOLUME	476925.235	3743535.726	460.00
LOCATION	L0028589	VOLUME	476922.341	3743543.814	460.00
LOCATION	L0028590	VOLUME	476919.447	3743551.902	460.00
LOCATION	L0028591	VOLUME	476916.553	3743559.990	460.00
LOCATION	L0028592	VOLUME	476913.658	3743568.077	459.95
LOCATION	L0028593	VOLUME	476910.764	3743576.165	459.77
LOCATION	L0028594	VOLUME	476907.870	3743584.253	459.64

LOCATION	L0028595	VOLUME	476904.976	3743592.341	459.56
LOCATION	L0028596	VOLUME	476902.082	3743600.428	459.51
LOCATION	L0028597	VOLUME	476899.188	3743608.516	459.41
LOCATION	L0028598	VOLUME	476896.294	3743616.604	459.25
LOCATION	L0028599	VOLUME	476893.400	3743624.692	459.04
LOCATION	L0028600	VOLUME	476890.506	3743632.780	459.00
LOCATION	L0028601	VOLUME	476887.611	3743640.867	459.00
LOCATION	L0028602	VOLUME	476884.717	3743648.955	459.00
LOCATION	L0028603	VOLUME	476881.823	3743657.043	458.98
LOCATION	L0028604	VOLUME	476878.929	3743665.131	458.81
LOCATION	L0028605	VOLUME	476876.035	3743673.218	458.69
LOCATION	L0028606	VOLUME	476873.141	3743681.306	458.63
LOCATION	L0028607	VOLUME	476870.247	3743689.394	458.58
LOCATION	L0028608	VOLUME	476867.353	3743697.482	458.47
LOCATION	L0028609	VOLUME	476864.459	3743705.570	458.30
LOCATION	L0028610	VOLUME	476861.564	3743713.657	458.08
LOCATION	L0028611	VOLUME	476858.670	3743721.745	458.03
LOCATION	L0028612	VOLUME	476855.776	3743729.833	458.07
LOCATION	L0028613	VOLUME	476852.882	3743737.921	458.06
LOCATION	L0028614	VOLUME	476849.988	3743746.008	458.00
LOCATION	L0028615	VOLUME	476847.034	3743754.074	457.85
LOCATION	L0028616	VOLUME	476844.010	3743762.115	457.75
LOCATION	L0028617	VOLUME	476840.986	3743770.155	457.70
LOCATION	L0028618	VOLUME	476837.963	3743778.195	457.68
LOCATION	L0028619	VOLUME	476834.939	3743786.235	457.55
LOCATION	L0028620	VOLUME	476831.915	3743794.275	457.37
LOCATION	L0028621	VOLUME	476828.891	3743802.315	457.16
LOCATION	L0028622	VOLUME	476825.867	3743810.356	457.25
LOCATION	L0028623	VOLUME	476822.843	3743818.396	457.55
LOCATION	L0028624	VOLUME	476819.820	3743826.436	457.78
LOCATION	L0028625	VOLUME	476816.796	3743834.476	457.97
LOCATION	L0028626	VOLUME	476813.772	3743842.516	458.11
LOCATION	L0028627	VOLUME	476810.748	3743850.557	458.31
LOCATION	L0028628	VOLUME	476807.724	3743858.597	458.55
LOCATION	L0028629	VOLUME	476804.701	3743866.637	458.84
LOCATION	L0028630	VOLUME	476801.677	3743874.677	458.94
LOCATION	L0028631	VOLUME	476798.653	3743882.717	459.00
LOCATION	L0028632	VOLUME	476795.629	3743890.757	459.00
LOCATION	L0028633	VOLUME	476792.605	3743898.798	459.00
LOCATION	L0028634	VOLUME	476789.581	3743906.838	459.00
LOCATION	L0028635	VOLUME	476786.557	3743914.878	459.00
LOCATION	L0028636	VOLUME	476783.533	3743922.918	459.00
LOCATION	L0028637	VOLUME	476780.509	3743930.958	459.00
LOCATION	L0028638	VOLUME	476777.485	3743938.998	459.00
LOCATION	L0028639	VOLUME	476774.461	3743947.038	459.00
LOCATION	L0028640	VOLUME	476771.437	3743955.078	459.00
LOCATION	L0028641	VOLUME	476768.413	3743963.118	459.00
LOCATION	L0028642	VOLUME	476765.389	3743971.158	459.09
LOCATION	L0028643	VOLUME	476762.365	3743979.198	459.19
LOCATION	L0028644	VOLUME	476759.341	3743987.238	459.28

LOCATION	L0028645	VOLUME	476758.604	3743996.106	459.37
LOCATION	L0028646	VOLUME	476755.788	3744004.221	459.47
LOCATION	L0028647	VOLUME	476752.972	3744012.336	459.56
LOCATION	L0028648	VOLUME	476750.156	3744020.452	459.66
LOCATION	L0028649	VOLUME	476747.339	3744028.567	459.75
LOCATION	L0028650	VOLUME	476744.586	3744036.702	459.84
LOCATION	L0028651	VOLUME	476742.224	3744044.961	459.92
LOCATION	L0028652	VOLUME	476739.861	3744053.219	460.00
LOCATION	L0028653	VOLUME	476737.499	3744061.478	460.00
LOCATION	L0028654	VOLUME	476735.136	3744069.737	460.00
LOCATION	L0028655	VOLUME	476732.774	3744077.996	460.00
LOCATION	L0028656	VOLUME	476730.411	3744086.254	460.00
LOCATION	L0028657	VOLUME	476728.049	3744094.513	460.00
LOCATION	L0028658	VOLUME	476727.270	3744103.016	460.00
LOCATION	L0028659	VOLUME	476727.038	3744111.603	460.00
LOCATION	L0028660	VOLUME	476726.807	3744120.190	460.00
LOCATION	L0028661	VOLUME	476726.575	3744128.776	460.00
LOCATION	L0028662	VOLUME	476726.343	3744137.363	459.98
LOCATION	L0028663	VOLUME	476726.112	3744145.950	459.82
LOCATION	L0028664	VOLUME	476725.880	3744154.537	459.67
LOCATION	L0028665	VOLUME	476725.648	3744163.124	459.53
LOCATION	L0028666	VOLUME	476725.417	3744171.711	459.48
LOCATION	L0028667	VOLUME	476725.110	3744180.295	459.49
LOCATION	L0028668	VOLUME	476724.691	3744188.875	459.51
LOCATION	L0028669	VOLUME	476724.273	3744197.454	459.50
LOCATION	L0028670	VOLUME	476723.855	3744206.034	459.36
LOCATION	L0028671	VOLUME	476723.437	3744214.614	459.21
LOCATION	L0028672	VOLUME	476723.019	3744223.194	459.06
LOCATION	L0028673	VOLUME	476722.601	3744231.774	458.92
LOCATION	L0028674	VOLUME	476722.183	3744240.354	458.81
LOCATION	L0028675	VOLUME	476721.765	3744248.933	458.70
LOCATION	L0028676	VOLUME	476721.347	3744257.513	458.62
LOCATION	L0028677	VOLUME	476720.929	3744266.093	458.63
LOCATION	L0028678	VOLUME	476719.188	3744274.418	458.69
LOCATION	L0028679	VOLUME	476716.394	3744282.541	458.78
LOCATION	L0028680	VOLUME	476713.600	3744290.664	458.88
LOCATION	L0028681	VOLUME	476710.805	3744298.787	458.97
LOCATION	L0028682	VOLUME	476708.011	3744306.910	459.06
LOCATION	L0028683	VOLUME	476705.217	3744315.033	459.15
LOCATION	L0028684	VOLUME	476702.423	3744323.155	459.19
LOCATION	L0028685	VOLUME	476699.629	3744331.278	459.17
LOCATION	L0028686	VOLUME	476696.834	3744339.401	459.10
LOCATION	L0028687	VOLUME	476694.040	3744347.524	458.98
LOCATION	L0028688	VOLUME	476689.110	3744354.504	458.91
LOCATION	L0028689	VOLUME	476683.904	3744361.337	458.93
LOCATION	L0028690	VOLUME	476678.698	3744368.170	459.04
LOCATION	L0028691	VOLUME	476673.493	3744375.003	459.21
LOCATION	L0028692	VOLUME	476668.287	3744381.836	459.31
LOCATION	L0028693	VOLUME	476663.081	3744388.669	459.33
LOCATION	L0028694	VOLUME	476657.876	3744395.502	459.26

LOCATION L0028695	VOLUME	476652.670	3744402.335	459.12
LOCATION L0028696	VOLUME	476645.832	3744407.529	459.13
LOCATION L0028697	VOLUME	476638.980	3744412.710	459.36
LOCATION L0028698	VOLUME	476632.128	3744417.890	459.59
LOCATION L0028699	VOLUME	476625.275	3744423.070	459.82
LOCATION L0028700	VOLUME	476618.423	3744428.250	460.00
LOCATION L0028701	VOLUME	476611.571	3744433.430	460.00
LOCATION L0028702	VOLUME	476604.718	3744438.610	460.00
LOCATION L0028703	VOLUME	476597.866	3744443.790	460.00
LOCATION L0028704	VOLUME	476591.014	3744448.970	460.00
LOCATION L0028705	VOLUME	476584.161	3744454.151	460.19
LOCATION L0028706	VOLUME	476577.309	3744459.331	460.42
LOCATION L0028707	VOLUME	476570.457	3744464.511	460.65
LOCATION L0028708	VOLUME	476563.604	3744469.691	460.87
LOCATION L0028709	VOLUME	476556.752	3744474.871	461.00
LOCATION L0028710	VOLUME	476549.900	3744480.051	461.00
LOCATION L0028711	VOLUME	476543.047	3744485.231	461.00
LOCATION L0028712	VOLUME	476536.083	3744490.258	461.00
LOCATION L0028713	VOLUME	476529.094	3744495.254	461.03
LOCATION L0028714	VOLUME	476522.106	3744500.249	461.22
LOCATION L0028715	VOLUME	476515.118	3744505.244	461.34
LOCATION L0028716	VOLUME	476508.130	3744510.240	461.38
LOCATION L0028717	VOLUME	476501.142	3744515.235	461.35
LOCATION L0028718	VOLUME	476494.153	3744520.230	461.35
LOCATION L0028719	VOLUME	476487.165	3744525.226	461.44
LOCATION L0028720	VOLUME	476480.177	3744530.221	461.66
LOCATION L0028721	VOLUME	476473.189	3744535.216	461.89
LOCATION L0028722	VOLUME	476466.200	3744540.211	462.00
LOCATION L0028723	VOLUME	476459.212	3744545.207	462.00
LOCATION L0028724	VOLUME	476452.224	3744550.202	462.00
LOCATION L0028725	VOLUME	476445.236	3744555.197	462.00
LOCATION L0028726	VOLUME	476438.248	3744560.193	462.00
LOCATION L0028727	VOLUME	476431.259	3744565.188	462.00
LOCATION L0028728	VOLUME	476424.271	3744570.183	462.00
LOCATION L0028729	VOLUME	476417.283	3744575.179	462.00
LOCATION L0028730	VOLUME	476410.295	3744580.174	462.00
LOCATION L0028731	VOLUME	476403.307	3744585.169	462.22
LOCATION L0028732	VOLUME	476396.318	3744590.165	462.45
LOCATION L0028733	VOLUME	476389.330	3744595.160	462.68
LOCATION L0028734	VOLUME	476382.342	3744600.155	462.92
LOCATION L0028735	VOLUME	476375.354	3744605.150	463.00
LOCATION L0028736	VOLUME	476371.980	3744610.677	463.00
LOCATION L0028737	VOLUME	476377.234	3744617.473	462.96
LOCATION L0028738	VOLUME	476382.488	3744624.269	462.67
LOCATION L0028739	VOLUME	476387.742	3744631.065	462.37
LOCATION L0028740	VOLUME	476392.996	3744637.861	462.16
LOCATION L0028741	VOLUME	476398.250	3744644.657	462.02
LOCATION L0028742	VOLUME	476403.504	3744651.453	462.00
LOCATION L0028743	VOLUME	476408.757	3744658.249	462.00
LOCATION L0028744	VOLUME	476414.011	3744665.045	461.86

LOCATION L0028745	VOLUME	476419.265	3744671.841	461.69
LOCATION L0028746	VOLUME	476424.519	3744678.636	461.51
LOCATION L0028747	VOLUME	476430.027	3744685.192	461.33
LOCATION L0028748	VOLUME	476436.520	3744690.817	461.11
LOCATION L0028749	VOLUME	476443.012	3744696.441	460.89
LOCATION L0028750	VOLUME	476449.505	3744702.066	460.68
LOCATION L0028751	VOLUME	476455.997	3744707.690	460.49
LOCATION L0028752	VOLUME	476462.490	3744713.315	460.42
LOCATION L0028753	VOLUME	476468.982	3744718.939	460.44
LOCATION L0028754	VOLUME	476475.475	3744724.564	460.50
LOCATION L0028755	VOLUME	476481.968	3744730.188	460.48
LOCATION L0028756	VOLUME	476488.460	3744735.813	460.37
LOCATION L0028757	VOLUME	476494.953	3744741.437	460.13
LOCATION L0028758	VOLUME	476502.332	3744745.624	460.00
LOCATION L0028759	VOLUME	476510.273	3744748.899	460.00
LOCATION L0028760	VOLUME	476518.214	3744752.175	460.00
LOCATION L0028761	VOLUME	476526.155	3744755.450	460.00
LOCATION L0028762	VOLUME	476534.096	3744758.726	459.86
LOCATION L0028763	VOLUME	476542.037	3744762.001	459.59
LOCATION L0028764	VOLUME	476549.978	3744765.277	459.33
LOCATION L0028765	VOLUME	476557.919	3744768.552	459.06
LOCATION L0028766	VOLUME	476565.860	3744771.828	458.80
LOCATION L0028767	VOLUME	476573.801	3744775.103	458.53
LOCATION L0028768	VOLUME	476581.742	3744778.379	458.27
LOCATION L0028769	VOLUME	476589.683	3744781.654	458.01
LOCATION L0028770	VOLUME	476597.624	3744784.929	458.00
LOCATION L0028771	VOLUME	476605.565	3744788.205	458.00
LOCATION L0028772	VOLUME	476613.506	3744791.480	458.00
LOCATION L0028773	VOLUME	476621.447	3744794.756	458.00
LOCATION L0028774	VOLUME	476629.388	3744798.031	457.98
LOCATION L0028775	VOLUME	476637.329	3744801.307	457.90
LOCATION L0028776	VOLUME	476645.270	3744804.582	457.76
LOCATION L0028777	VOLUME	476653.211	3744807.858	457.54
LOCATION L0028778	VOLUME	476661.152	3744811.133	457.31
LOCATION L0028779	VOLUME	476669.093	3744814.409	457.14
LOCATION L0028780	VOLUME	476677.034	3744817.684	457.03
LOCATION L0028781	VOLUME	476684.975	3744820.960	457.00
LOCATION L0028782	VOLUME	476692.916	3744824.235	457.00
LOCATION L0028783	VOLUME	476700.856	3744827.511	457.00
LOCATION L0028784	VOLUME	476708.797	3744830.786	457.00
LOCATION L0028785	VOLUME	476716.738	3744834.062	457.00
LOCATION L0028786	VOLUME	476724.679	3744837.337	457.00
LOCATION L0028787	VOLUME	476732.620	3744840.613	457.00
LOCATION L0028788	VOLUME	476740.561	3744843.888	457.00
LOCATION L0028789	VOLUME	476748.502	3744847.164	457.00
LOCATION L0028790	VOLUME	476756.443	3744850.439	457.00
LOCATION L0028791	VOLUME	476764.384	3744853.715	457.00

** END OF LINE VOLUME SOURCE ID = SLINE14

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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE15
 ** DESCRSRC 90% INBOUND DRIVEWAY 1 FROM PLACENTIA
 ** PREFIX
 ** LENGTH OF SIDE = 8.59
 ** CONFIGURATION = ADJACENT
 ** EMISSION RATE = 0.00001347
 ** VERTICAL DIMENSION = 6.99
 ** SZINIT = 3.25
 ** NODES = 8
 ** 476981.286, 3742581.379, 467.00, 3.49, 4.00
 ** 476982.799, 3742566.248, 466.97, 3.49, 4.00
 ** 477243.543, 3742573.174, 458.16, 3.49, 4.00
 ** 477265.553, 3742575.216, 458.15, 3.49, 4.00
 ** 477333.394, 3742579.548, 456.08, 3.49, 4.00
 ** 477397.430, 3742579.989, 455.99, 3.49, 4.00
 ** 477412.787, 3742580.330, 455.69, 3.49, 4.00
 ** 477688.657, 3742578.633, 451.00, 3.49, 4.00

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LOCATION	VOLUME				
L0028792	476981.713	3742577.105	466.91		
L0028793	476982.568	3742568.558	466.91		
L0028794	476989.065	3742566.414	466.69		
L0028795	476997.652	3742566.643	466.41		
L0028796	477006.239	3742566.871	466.12		
L0028797	477014.826	3742567.099	465.72		
L0028798	477023.413	3742567.327	465.23		
L0028799	477032.000	3742567.555	464.74		
L0028800	477040.587	3742567.783	464.26		
L0028801	477049.174	3742568.011	463.96		
L0028802	477057.761	3742568.239	463.67		
L0028803	477066.348	3742568.467	463.37		
L0028804	477074.935	3742568.695	463.21		
L0028805	477083.522	3742568.923	463.13		
L0028806	477092.109	3742569.151	463.06		
L0028807	477100.696	3742569.380	462.97		
L0028808	477109.283	3742569.608	462.69		
L0028809	477117.870	3742569.836	462.40		
L0028810	477126.457	3742570.064	462.11		
L0028811	477135.044	3742570.292	461.83		
L0028812	477143.631	3742570.520	461.54		
L0028813	477152.218	3742570.748	461.26		
L0028814	477160.805	3742570.976	460.97		
L0028815	477169.392	3742571.204	460.68		
L0028816	477177.979	3742571.432	460.40		
L0028817	477186.566	3742571.660	460.11		
L0028818	477195.153	3742571.889	459.85		
L0028819	477203.740	3742572.117	459.60		
L0028820	477212.327	3742572.345	459.35		
L0028821	477220.914	3742572.573	459.08		
L0028822	477229.501	3742572.801	458.79		
L0028823	477238.088	3742573.029	458.50		

LOCATION	L0028824	VOLUME	477246.662	3742573.463	458.20
LOCATION	L0028825	VOLUME	477255.216	3742574.257	458.05
LOCATION	L0028826	VOLUME	477263.769	3742575.051	458.02
LOCATION	L0028827	VOLUME	477272.337	3742575.649	458.00
LOCATION	L0028828	VOLUME	477280.910	3742576.197	457.97
LOCATION	L0028829	VOLUME	477289.482	3742576.744	457.68
LOCATION	L0028830	VOLUME	477298.055	3742577.292	457.39
LOCATION	L0028831	VOLUME	477306.628	3742577.839	457.11
LOCATION	L0028832	VOLUME	477315.200	3742578.386	456.82
LOCATION	L0028833	VOLUME	477323.773	3742578.934	456.54
LOCATION	L0028834	VOLUME	477332.345	3742579.481	456.25
LOCATION	L0028835	VOLUME	477340.933	3742579.600	456.00
LOCATION	L0028836	VOLUME	477349.523	3742579.659	456.00
LOCATION	L0028837	VOLUME	477358.112	3742579.718	456.00
LOCATION	L0028838	VOLUME	477366.702	3742579.777	456.00
LOCATION	L0028839	VOLUME	477375.292	3742579.837	455.98
LOCATION	L0028840	VOLUME	477383.882	3742579.896	455.94
LOCATION	L0028841	VOLUME	477392.472	3742579.955	455.90
LOCATION	L0028842	VOLUME	477401.061	3742580.069	455.84
LOCATION	L0028843	VOLUME	477409.648	3742580.260	455.58
LOCATION	L0028844	VOLUME	477418.238	3742580.296	455.33
LOCATION	L0028845	VOLUME	477426.827	3742580.243	455.09
LOCATION	L0028846	VOLUME	477435.417	3742580.191	454.82
LOCATION	L0028847	VOLUME	477444.007	3742580.138	454.53
LOCATION	L0028848	VOLUME	477452.597	3742580.085	454.24
LOCATION	L0028849	VOLUME	477461.187	3742580.032	454.00
LOCATION	L0028850	VOLUME	477469.777	3742579.979	454.00
LOCATION	L0028851	VOLUME	477478.366	3742579.926	454.00
LOCATION	L0028852	VOLUME	477486.956	3742579.874	454.00
LOCATION	L0028853	VOLUME	477495.546	3742579.821	453.81
LOCATION	L0028854	VOLUME	477504.136	3742579.768	453.52
LOCATION	L0028855	VOLUME	477512.726	3742579.715	453.24
LOCATION	L0028856	VOLUME	477521.316	3742579.662	452.99
LOCATION	L0028857	VOLUME	477529.905	3742579.609	452.96
LOCATION	L0028858	VOLUME	477538.495	3742579.557	452.93
LOCATION	L0028859	VOLUME	477547.085	3742579.504	452.90
LOCATION	L0028860	VOLUME	477555.675	3742579.451	452.72
LOCATION	L0028861	VOLUME	477564.265	3742579.398	452.46
LOCATION	L0028862	VOLUME	477572.855	3742579.345	452.21
LOCATION	L0028863	VOLUME	477581.445	3742579.292	452.00
LOCATION	L0028864	VOLUME	477590.034	3742579.240	452.00
LOCATION	L0028865	VOLUME	477598.624	3742579.187	452.00
LOCATION	L0028866	VOLUME	477607.214	3742579.134	452.00
LOCATION	L0028867	VOLUME	477615.804	3742579.081	451.80
LOCATION	L0028868	VOLUME	477624.394	3742579.028	451.52
LOCATION	L0028869	VOLUME	477632.984	3742578.975	451.23
LOCATION	L0028870	VOLUME	477641.573	3742578.923	451.00
LOCATION	L0028871	VOLUME	477650.163	3742578.870	451.00
LOCATION	L0028872	VOLUME	477658.753	3742578.817	451.00
LOCATION	L0028873	VOLUME	477667.343	3742578.764	451.00

LOCATION L0028874 VOLUME 477675.933 3742578.711 450.98
LOCATION L0028875 VOLUME 477684.523 3742578.658 450.96

** END OF LINE VOLUME SOURCE ID = SLINE15

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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE13

** DESCRSRC 40% OUTBOUND DWY 3 TO PLACENTIA

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 5.608E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 14

** 477179.169, 3742753.927, 459.35, 3.49, 4.00

** 477195.792, 3742765.009, 458.95, 3.49, 4.00

** 477210.198, 3742728.992, 458.24, 3.49, 4.00

** 477229.038, 3742675.799, 458.87, 3.49, 4.00

** 477239.566, 3742645.877, 458.41, 3.49, 4.00

** 477241.782, 3742612.077, 458.14, 3.49, 4.00

** 477241.782, 3742573.844, 458.22, 3.49, 4.00

** 477243.998, 3742569.411, 458.26, 3.49, 4.00

** 477333.209, 3742574.398, 456.09, 3.49, 4.00

** 477369.779, 3742574.398, 456.00, 3.49, 4.00

** 477422.973, 3742575.506, 455.05, 3.49, 4.00

** 477505.534, 3742571.074, 453.58, 3.49, 4.00

** 477635.194, 3742567.749, 451.30, 3.49, 4.00

** 477695.591, 3742564.513, 450.93, 3.49, 4.00

**

LOCATION L0027975 VOLUME 477182.742 3742756.309 459.24

LOCATION L0027976 VOLUME 477189.890 3742761.074 459.00

LOCATION L0027977 VOLUME 477196.347 3742763.619 458.78

LOCATION L0027978 VOLUME 477199.538 3742755.644 458.68

LOCATION L0027979 VOLUME 477202.728 3742747.668 458.57

LOCATION L0027980 VOLUME 477205.918 3742739.693 458.47

LOCATION L0027981 VOLUME 477209.108 3742731.717 458.36

LOCATION L0027982 VOLUME 477212.086 3742723.661 458.32

LOCATION L0027983 VOLUME 477214.954 3742715.564 458.46

LOCATION L0027984 VOLUME 477217.822 3742707.467 458.65

LOCATION L0027985 VOLUME 477220.690 3742699.370 458.87

LOCATION L0027986 VOLUME 477223.557 3742691.273 458.88

LOCATION L0027987 VOLUME 477226.425 3742683.175 458.78

LOCATION L0027988 VOLUME 477229.291 3742675.078 458.69

LOCATION L0027989 VOLUME 477232.142 3742666.975 458.59

LOCATION L0027990 VOLUME 477234.993 3742658.872 458.50

LOCATION L0027991 VOLUME 477237.845 3742650.769 458.40

LOCATION L0027992 VOLUME 477239.788 3742642.480 458.34

LOCATION L0027993 VOLUME 477240.350 3742633.908 458.32

LOCATION L0027994 VOLUME 477240.912 3742625.337 458.30

LOCATION L0027995 VOLUME 477241.475 3742616.765 458.28

LOCATION	L0027996	VOLUME	477241.782	3742608.185	458.27
LOCATION	L0027997	VOLUME	477241.782	3742599.595	458.27
LOCATION	L0027998	VOLUME	477241.782	3742591.005	458.27
LOCATION	L0027999	VOLUME	477241.782	3742582.415	458.27
LOCATION	L0028000	VOLUME	477241.790	3742573.827	458.35
LOCATION	L0028001	VOLUME	477247.646	3742569.615	458.29
LOCATION	L0028002	VOLUME	477256.222	3742570.095	458.16
LOCATION	L0028003	VOLUME	477264.799	3742570.574	458.09
LOCATION	L0028004	VOLUME	477273.375	3742571.054	458.04
LOCATION	L0028005	VOLUME	477281.952	3742571.533	457.93
LOCATION	L0028006	VOLUME	477290.529	3742572.012	457.64
LOCATION	L0028007	VOLUME	477299.105	3742572.492	457.36
LOCATION	L0028008	VOLUME	477307.682	3742572.971	457.07
LOCATION	L0028009	VOLUME	477316.259	3742573.451	456.79
LOCATION	L0028010	VOLUME	477324.835	3742573.930	456.50
LOCATION	L0028011	VOLUME	477333.412	3742574.398	456.22
LOCATION	L0028012	VOLUME	477342.002	3742574.398	456.00
LOCATION	L0028013	VOLUME	477350.592	3742574.398	456.00
LOCATION	L0028014	VOLUME	477359.182	3742574.398	456.00
LOCATION	L0028015	VOLUME	477367.772	3742574.398	456.00
LOCATION	L0028016	VOLUME	477376.361	3742574.535	456.00
LOCATION	L0028017	VOLUME	477384.949	3742574.714	456.00
LOCATION	L0028018	VOLUME	477393.537	3742574.893	456.00
LOCATION	L0028019	VOLUME	477402.125	3742575.072	455.93
LOCATION	L0028020	VOLUME	477410.713	3742575.251	455.64
LOCATION	L0028021	VOLUME	477419.301	3742575.430	455.35
LOCATION	L0028022	VOLUME	477427.883	3742575.243	455.07
LOCATION	L0028023	VOLUME	477436.461	3742574.782	454.79
LOCATION	L0028024	VOLUME	477445.039	3742574.322	454.53
LOCATION	L0028025	VOLUME	477453.616	3742573.861	454.27
LOCATION	L0028026	VOLUME	477462.194	3742573.401	454.08
LOCATION	L0028027	VOLUME	477470.772	3742572.940	454.07
LOCATION	L0028028	VOLUME	477479.349	3742572.480	454.04
LOCATION	L0028029	VOLUME	477487.927	3742572.019	454.01
LOCATION	L0028030	VOLUME	477496.505	3742571.558	453.81
LOCATION	L0028031	VOLUME	477505.082	3742571.098	453.58
LOCATION	L0028032	VOLUME	477513.669	3742570.865	453.35
LOCATION	L0028033	VOLUME	477522.256	3742570.645	453.17
LOCATION	L0028034	VOLUME	477530.843	3742570.425	453.12
LOCATION	L0028035	VOLUME	477539.430	3742570.205	453.07
LOCATION	L0028036	VOLUME	477548.018	3742569.984	453.01
LOCATION	L0028037	VOLUME	477556.605	3742569.764	452.82
LOCATION	L0028038	VOLUME	477565.192	3742569.544	452.60
LOCATION	L0028039	VOLUME	477573.779	3742569.324	452.38
LOCATION	L0028040	VOLUME	477582.366	3742569.104	452.22
LOCATION	L0028041	VOLUME	477590.954	3742568.883	452.15
LOCATION	L0028042	VOLUME	477599.541	3742568.663	452.09
LOCATION	L0028043	VOLUME	477608.128	3742568.443	452.02
LOCATION	L0028044	VOLUME	477616.715	3742568.223	451.83
LOCATION	L0028045	VOLUME	477625.302	3742568.003	451.63

LOCATION L0028046	VOLUME	477633.889	3742567.783	451.42
LOCATION L0028047	VOLUME	477642.469	3742567.359	451.27
LOCATION L0028048	VOLUME	477651.046	3742566.900	451.19
LOCATION L0028049	VOLUME	477659.624	3742566.440	451.11
LOCATION L0028050	VOLUME	477668.202	3742565.980	451.02
LOCATION L0028051	VOLUME	477676.779	3742565.521	451.00
LOCATION L0028052	VOLUME	477685.357	3742565.061	451.00
LOCATION L0028053	VOLUME	477693.935	3742564.601	451.00

** END OF LINE VOLUME SOURCE ID = SLINE13

** SOURCE PARAMETERS **

** LINE VOLUME SOURCE ID = SLINE9

SRCPARAM L0027059	0.000001693	3.49	4.00	3.25
SRCPARAM L0027060	0.000001693	3.49	4.00	3.25
SRCPARAM L0027061	0.000001693	3.49	4.00	3.25
SRCPARAM L0027062	0.000001693	3.49	4.00	3.25
SRCPARAM L0027063	0.000001693	3.49	4.00	3.25
SRCPARAM L0027064	0.000001693	3.49	4.00	3.25
SRCPARAM L0027065	0.000001693	3.49	4.00	3.25
SRCPARAM L0027066	0.000001693	3.49	4.00	3.25
SRCPARAM L0027067	0.000001693	3.49	4.00	3.25
SRCPARAM L0027068	0.000001693	3.49	4.00	3.25
SRCPARAM L0027069	0.000001693	3.49	4.00	3.25
SRCPARAM L0027070	0.000001693	3.49	4.00	3.25
SRCPARAM L0027071	0.000001693	3.49	4.00	3.25
SRCPARAM L0027072	0.000001693	3.49	4.00	3.25
SRCPARAM L0027073	0.000001693	3.49	4.00	3.25
SRCPARAM L0027074	0.000001693	3.49	4.00	3.25
SRCPARAM L0027075	0.000001693	3.49	4.00	3.25
SRCPARAM L0027076	0.000001693	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE10

SRCPARAM L0027077	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027078	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027079	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027080	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027081	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027082	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027083	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027084	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027085	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027086	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027087	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027088	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027089	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027090	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027091	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027092	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027093	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027094	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027095	0.0000008728	3.49	4.00	3.25

SRCPARAM L0027146	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027147	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027148	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027149	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027150	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027151	0.0000008728	3.49	4.00	3.25
SRCPARAM L0027152	0.0000008728	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE11

SRCPARAM L0028054	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028055	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028056	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028057	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028058	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028059	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028060	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028061	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028062	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028063	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028064	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028065	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028066	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028067	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028068	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028069	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028070	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028071	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028072	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028073	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028074	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028075	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028076	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028077	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028078	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028079	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028080	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028081	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028082	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028083	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028084	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028085	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028086	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028087	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028088	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028089	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028090	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028091	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028092	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028093	0.0000008935	3.49	4.00	3.25
SRCPARAM L0028094	0.0000008935	3.49	4.00	3.25

SRCPARAM L0028095	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028096	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028097	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028098	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028099	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028100	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028101	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028102	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028103	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028104	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028105	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028106	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028107	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028108	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028109	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028110	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028111	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028112	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028113	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028114	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028115	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028116	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028117	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028118	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028119	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028120	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028121	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028122	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028123	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028124	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028125	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028126	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028127	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028128	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028129	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028130	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028131	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028132	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028133	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028134	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028135	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028136	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028137	0.00000008935	3.49	4.00	3.25
SRCPARAM L0028138	0.00000008935	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE12

SRCPARAM L0028139	0.00000001781	3.49	4.00	3.25
SRCPARAM L0028140	0.00000001781	3.49	4.00	3.25
SRCPARAM L0028141	0.00000001781	3.49	4.00	3.25
SRCPARAM L0028142	0.00000001781	3.49	4.00	3.25

SRCPARAM L0028791	0.0000001779	3.49	4.00	3.25
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** LINE VOLUME SOURCE ID = SLINE15

SRCPARAM L0028792	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028793	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028794	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028795	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028796	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028797	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028798	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028799	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028800	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028801	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028802	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028803	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028804	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028805	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028806	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028807	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028808	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028809	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028810	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028811	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028812	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028813	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028814	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028815	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028816	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028817	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028818	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028819	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028820	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028821	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028822	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028823	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028824	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028825	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028826	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028827	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028828	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028829	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028830	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028831	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028832	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028833	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028834	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028835	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028836	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028837	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028838	0.0000001604	3.49	4.00	3.25

SRCPARAM L0028839	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028840	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028841	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028842	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028843	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028844	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028845	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028846	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028847	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028848	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028849	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028850	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028851	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028852	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028853	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028854	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028855	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028856	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028857	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028858	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028859	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028860	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028861	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028862	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028863	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028864	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028865	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028866	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028867	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028868	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028869	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028870	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028871	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028872	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028873	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028874	0.0000001604	3.49	4.00	3.25
SRCPARAM L0028875	0.0000001604	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE13

SRCPARAM L0027975	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027976	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027977	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027978	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027979	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027980	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027981	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027982	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027983	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027984	0.00000007099	3.49	4.00	3.25
SRCPARAM L0027985	0.00000007099	3.49	4.00	3.25

SRCPARAM L0028036	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028037	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028038	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028039	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028040	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028041	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028042	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028043	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028044	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028045	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028046	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028047	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028048	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028049	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028050	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028051	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028052	0.00000007099	3.49	4.00	3.25
SRCPARAM L0028053	0.00000007099	3.49	4.00	3.25

**

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING

INCLUDED "12728 HRA (REV).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 "12728 HRA (REV).AD\AN00GALL.PLT" 31

SUMMFILE "12728 HRA (REV).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 2244 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 2244 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
 *** AERMET - VERSION 16216 *** ***
 *** 11:05:52

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

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 995 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

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

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 995 Source(s); 1 Source Group(s); and 45
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 995 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

Hours m for Missing
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: 12728 HRA (REV).ERR

**File for Summary of Results: 12728 HRA (REV).SUM

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC *** 06/02/20
*** AERMET - VERSION 16216 *** ***
*** 11:05:52

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0027059	0	0.16930E-05	476986.2	3742722.1	463.9	3.49	4.00
3.25 YES							
L0027060	0	0.16930E-05	476994.8	3742722.2	463.6	3.49	4.00
3.25 YES							
L0027061	0	0.16930E-05	477003.4	3742722.3	463.3	3.49	4.00
3.25 YES							
L0027062	0	0.16930E-05	477011.9	3742722.5	463.1	3.49	4.00
3.25 YES							

L0027063	0	0.16930E-05	477020.5	3742722.6	463.1	3.49	4.00
3.25 YES							
L0027064	0	0.16930E-05	477029.1	3742722.8	463.0	3.49	4.00
3.25 YES							
L0027065	0	0.16930E-05	477037.7	3742722.9	463.0	3.49	4.00
3.25 YES							
L0027066	0	0.16930E-05	477046.3	3742723.0	462.8	3.49	4.00
3.25 YES							
L0027067	0	0.16930E-05	477054.9	3742723.2	462.5	3.49	4.00
3.25 YES							
L0027068	0	0.16930E-05	477063.5	3742723.3	462.2	3.49	4.00
3.25 YES							
L0027069	0	0.16930E-05	477072.1	3742723.4	461.9	3.49	4.00
3.25 YES							
L0027070	0	0.16930E-05	477080.7	3742723.6	461.7	3.49	4.00
3.25 YES							
L0027071	0	0.16930E-05	477089.2	3742723.7	461.4	3.49	4.00
3.25 YES							
L0027072	0	0.16930E-05	477097.8	3742723.8	461.1	3.49	4.00
3.25 YES							
L0027073	0	0.16930E-05	477106.4	3742724.0	461.1	3.49	4.00
3.25 YES							
L0027074	0	0.16930E-05	477115.0	3742724.1	461.0	3.49	4.00
3.25 YES							
L0027075	0	0.16930E-05	477123.6	3742724.2	461.0	3.49	4.00
3.25 YES							
L0027076	0	0.16930E-05	477132.2	3742724.4	460.9	3.49	4.00
3.25 YES							
L0027077	0	0.87280E-06	477172.0	3742751.9	459.6	3.49	4.00
3.25 YES							
L0027078	0	0.87280E-06	477163.5	3742750.3	459.9	3.49	4.00
3.25 YES							
L0027079	0	0.87280E-06	477155.0	3742749.7	460.0	3.49	4.00
3.25 YES							
L0027080	0	0.87280E-06	477146.4	3742749.4	460.1	3.49	4.00
3.25 YES							
L0027081	0	0.87280E-06	477137.8	3742749.2	460.2	3.49	4.00
3.25 YES							
L0027082	0	0.87280E-06	477129.2	3742749.0	460.3	3.49	4.00
3.25 YES							
L0027083	0	0.87280E-06	477120.6	3742748.8	460.5	3.49	4.00
3.25 YES							
L0027084	0	0.87280E-06	477112.0	3742748.5	460.7	3.49	4.00
3.25 YES							
L0027085	0	0.87280E-06	477103.5	3742748.3	460.9	3.49	4.00
3.25 YES							
L0027086	0	0.87280E-06	477094.9	3742748.1	461.2	3.49	4.00
3.25 YES							
L0027087	0	0.87280E-06	477086.3	3742747.8	461.4	3.49	4.00
3.25 YES							

L0027103	0	0.87280E-06	476964.6	3742724.8	464.6	3.49	4.00
3.25	YES						
L0027104	0	0.87280E-06	476964.9	3742716.2	464.8	3.49	4.00
3.25	YES						
L0027105	0	0.87280E-06	476965.1	3742707.6	465.1	3.49	4.00
3.25	YES						
L0027106	0	0.87280E-06	476965.3	3742699.1	465.4	3.49	4.00
3.25	YES						
L0027107	0	0.87280E-06	476965.5	3742690.5	465.7	3.49	4.00
3.25	YES						
L0027108	0	0.87280E-06	476965.8	3742681.9	465.9	3.49	4.00
3.25	YES						
L0027109	0	0.87280E-06	476966.0	3742673.3	466.2	3.49	4.00
3.25	YES						
L0027110	0	0.87280E-06	476966.2	3742664.7	466.5	3.49	4.00
3.25	YES						
L0027111	0	0.87280E-06	476966.4	3742656.1	466.6	3.49	4.00
3.25	YES						
L0027112	0	0.87280E-06	476966.7	3742647.5	466.7	3.49	4.00
3.25	YES						
L0027113	0	0.87280E-06	476966.9	3742638.9	466.8	3.49	4.00
3.25	YES						
L0027114	0	0.87280E-06	476967.1	3742630.4	466.9	3.49	4.00
3.25	YES						
L0027115	0	0.87280E-06	476969.0	3742622.0	466.7	3.49	4.00
3.25	YES						
L0027116	0	0.87280E-06	476971.0	3742613.6	466.6	3.49	4.00
3.25	YES						
L0027117	0	0.87280E-06	476973.0	3742605.3	466.5	3.49	4.00
3.25	YES						
L0027118	0	0.87280E-06	476975.0	3742596.9	466.6	3.49	4.00
3.25	YES						
L0027119	0	0.87280E-06	476980.8	3742591.1	466.5	3.49	4.00
3.25	YES						
L0027120	0	0.87280E-06	476988.5	3742588.3	466.3	3.49	4.00
3.25	YES						
L0027121	0	0.87280E-06	476997.0	3742588.4	466.0	3.49	4.00
3.25	YES						
L0027122	0	0.87280E-06	477005.6	3742588.6	465.7	3.49	4.00
3.25	YES						
L0027123	0	0.87280E-06	477014.2	3742588.7	465.4	3.49	4.00
3.25	YES						
L0027124	0	0.87280E-06	477022.8	3742588.9	464.9	3.49	4.00
3.25	YES						
L0027125	0	0.87280E-06	477031.4	3742589.0	464.4	3.49	4.00
3.25	YES						
L0027126	0	0.87280E-06	477040.0	3742589.2	464.0	3.49	4.00
3.25	YES						
L0027127	0	0.87280E-06	477048.6	3742589.4	463.7	3.49	4.00
3.25	YES						

L0027143	0	0.87280E-06	477186.0	3742593.1	460.1	3.49	4.00
3.25	YES						
L0027144	0	0.87280E-06	477194.5	3742593.6	459.8	3.49	4.00
3.25	YES						
L0027145	0	0.87280E-06	477202.0	3742597.4	459.6	3.49	4.00
3.25	YES						
L0027146	0	0.87280E-06	477203.3	3742605.7	459.6	3.49	4.00
3.25	YES						
L0027147	0	0.87280E-06	477203.3	3742614.2	459.6	3.49	4.00
3.25	YES						
L0027148	0	0.87280E-06	477203.2	3742622.8	459.6	3.49	4.00
3.25	YES						
L0027149	0	0.87280E-06	477203.7	3742631.4	459.5	3.49	4.00
3.25	YES						
L0027150	0	0.87280E-06	477205.5	3742639.5	459.5	3.49	4.00
3.25	YES						
L0027151	0	0.87280E-06	477213.2	3742643.3	459.2	3.49	4.00
3.25	YES						
L0027152	0	0.87280E-06	477221.3	3742646.1	458.9	3.49	4.00
3.25	YES						
L0028054	0	0.89350E-07	476981.7	3742574.3	466.9	3.49	4.00
3.25	YES						
L0028055	0	0.89350E-07	476982.6	3742565.7	466.9	3.49	4.00
3.25	YES						
L0028056	0	0.89350E-07	476989.1	3742563.6	466.7	3.49	4.00
3.25	YES						
L0028057	0	0.89350E-07	476997.7	3742563.8	466.4	3.49	4.00
3.25	YES						
L0028058	0	0.89350E-07	477006.2	3742564.0	466.1	3.49	4.00
3.25	YES						
L0028059	0	0.89350E-07	477014.8	3742564.3	465.7	3.49	4.00
3.25	YES						
L0028060	0	0.89350E-07	477023.4	3742564.5	465.3	3.49	4.00
3.25	YES						
L0028061	0	0.89350E-07	477032.0	3742564.7	464.8	3.49	4.00
3.25	YES						
L0028062	0	0.89350E-07	477040.6	3742564.9	464.4	3.49	4.00
3.25	YES						
L0028063	0	0.89350E-07	477049.2	3742565.2	464.1	3.49	4.00
3.25	YES						
L0028064	0	0.89350E-07	477057.8	3742565.4	463.8	3.49	4.00
3.25	YES						
L0028065	0	0.89350E-07	477066.3	3742565.6	463.5	3.49	4.00
3.25	YES						
L0028066	0	0.89350E-07	477074.9	3742565.9	463.3	3.49	4.00
3.25	YES						
L0028067	0	0.89350E-07	477083.5	3742566.1	463.2	3.49	4.00
3.25	YES						
L0028068	0	0.89350E-07	477092.1	3742566.3	463.1	3.49	4.00
3.25	YES						

L0028084	0	0.89350E-07	477229.5	3742570.0	458.9	3.49	4.00
3.25	YES						
L0028085	0	0.89350E-07	477238.1	3742570.2	458.6	3.49	4.00
3.25	YES						
L0028086	0	0.89350E-07	477246.7	3742570.4	458.3	3.49	4.00
3.25	YES						
L0028087	0	0.89350E-07	477255.3	3742570.7	458.2	3.49	4.00
3.25	YES						
L0028088	0	0.89350E-07	477263.8	3742570.9	458.1	3.49	4.00
3.25	YES						
L0028089	0	0.89350E-07	477272.4	3742571.3	458.0	3.49	4.00
3.25	YES						
L0028090	0	0.89350E-07	477281.0	3742571.7	458.0	3.49	4.00
3.25	YES						
L0028091	0	0.89350E-07	477289.6	3742572.2	457.7	3.49	4.00
3.25	YES						
L0028092	0	0.89350E-07	477298.2	3742572.7	457.4	3.49	4.00
3.25	YES						
L0028093	0	0.89350E-07	477306.7	3742573.1	457.1	3.49	4.00
3.25	YES						
L0028094	0	0.89350E-07	477315.3	3742573.6	456.8	3.49	4.00
3.25	YES						
L0028095	0	0.89350E-07	477323.9	3742574.1	456.5	3.49	4.00
3.25	YES						
L0028096	0	0.89350E-07	477332.5	3742574.5	456.2	3.49	4.00
3.25	YES						
L0028097	0	0.89350E-07	477341.1	3742574.6	456.0	3.49	4.00
3.25	YES						
L0028098	0	0.89350E-07	477349.6	3742574.7	456.0	3.49	4.00
3.25	YES						
L0028099	0	0.89350E-07	477358.2	3742574.8	456.0	3.49	4.00
3.25	YES						
L0028100	0	0.89350E-07	477366.8	3742574.9	456.0	3.49	4.00
3.25	YES						
L0028101	0	0.89350E-07	477375.4	3742574.9	456.0	3.49	4.00
3.25	YES						
L0028102	0	0.89350E-07	477384.0	3742575.0	456.0	3.49	4.00
3.25	YES						
L0028103	0	0.89350E-07	477392.6	3742575.1	456.0	3.49	4.00
3.25	YES						
L0028104	0	0.89350E-07	477401.2	3742575.2	456.0	3.49	4.00
3.25	YES						
L0028105	0	0.89350E-07	477409.8	3742575.6	455.7	3.49	4.00
3.25	YES						
L0028106	0	0.89350E-07	477418.4	3742575.5	455.4	3.49	4.00
3.25	YES						
L0028107	0	0.89350E-07	477426.9	3742575.2	455.1	3.49	4.00
3.25	YES						
L0028108	0	0.89350E-07	477435.5	3742574.9	454.8	3.49	4.00
3.25	YES						

L0028124	0	0.89350E-07	477572.8	3742569.4	452.4	3.49	4.00
3.25	YES						
L0028125	0	0.89350E-07	477581.4	3742569.1	452.2	3.49	4.00
3.25	YES						
L0028126	0	0.89350E-07	477590.0	3742568.7	452.2	3.49	4.00
3.25	YES						
L0028127	0	0.89350E-07	477598.6	3742568.4	452.1	3.49	4.00
3.25	YES						
L0028128	0	0.89350E-07	477607.2	3742568.0	452.0	3.49	4.00
3.25	YES						
L0028129	0	0.89350E-07	477615.8	3742567.7	451.9	3.49	4.00
3.25	YES						
L0028130	0	0.89350E-07	477624.3	3742567.4	451.7	3.49	4.00
3.25	YES						
L0028131	0	0.89350E-07	477632.9	3742567.0	451.5	3.49	4.00
3.25	YES						
L0028132	0	0.89350E-07	477641.5	3742566.7	451.3	3.49	4.00
3.25	YES						
L0028133	0	0.89350E-07	477650.1	3742566.3	451.2	3.49	4.00
3.25	YES						
L0028134	0	0.89350E-07	477658.7	3742566.0	451.1	3.49	4.00
3.25	YES						
L0028135	0	0.89350E-07	477667.3	3742565.7	451.0	3.49	4.00
3.25	YES						
L0028136	0	0.89350E-07	477675.8	3742565.3	451.0	3.49	4.00
3.25	YES						
L0028137	0	0.89350E-07	477684.4	3742565.0	451.0	3.49	4.00
3.25	YES						
L0028138	0	0.89350E-07	477693.0	3742564.6	451.0	3.49	4.00
3.25	YES						
L0028139	0	0.17810E-07	476981.7	3742574.3	466.9	3.49	4.00
3.25	YES						
L0028140	0	0.17810E-07	476982.6	3742565.7	466.9	3.49	4.00
3.25	YES						
L0028141	0	0.17810E-07	476989.1	3742563.6	466.7	3.49	4.00
3.25	YES						
L0028142	0	0.17810E-07	476997.7	3742563.8	466.4	3.49	4.00
3.25	YES						
L0028143	0	0.17810E-07	477006.2	3742564.0	466.1	3.49	4.00
3.25	YES						
L0028144	0	0.17810E-07	477014.8	3742564.3	465.7	3.49	4.00
3.25	YES						
L0028145	0	0.17810E-07	477023.4	3742564.5	465.3	3.49	4.00
3.25	YES						
L0028146	0	0.17810E-07	477032.0	3742564.7	464.8	3.49	4.00
3.25	YES						
L0028147	0	0.17810E-07	477040.6	3742564.9	464.4	3.49	4.00
3.25	YES						
L0028148	0	0.17810E-07	477049.2	3742565.2	464.1	3.49	4.00
3.25	YES						

L0028164	0	0.17810E-07	477186.6	3742568.8	460.1	3.49	4.00
3.25	YES						
L0028165	0	0.17810E-07	477195.2	3742569.0	459.9	3.49	4.00
3.25	YES						
L0028166	0	0.17810E-07	477203.7	3742569.3	459.6	3.49	4.00
3.25	YES						
L0028167	0	0.17810E-07	477212.3	3742569.5	459.4	3.49	4.00
3.25	YES						
L0028168	0	0.17810E-07	477220.9	3742569.7	459.2	3.49	4.00
3.25	YES						
L0028169	0	0.17810E-07	477229.5	3742570.0	458.9	3.49	4.00
3.25	YES						
L0028170	0	0.17810E-07	477238.1	3742570.2	458.6	3.49	4.00
3.25	YES						
L0028171	0	0.17810E-07	477243.4	3742573.5	458.3	3.49	4.00
3.25	YES						
L0028172	0	0.17810E-07	477243.0	3742582.0	458.2	3.49	4.00
3.25	YES						
L0028173	0	0.17810E-07	477242.7	3742590.6	458.2	3.49	4.00
3.25	YES						
L0028174	0	0.17810E-07	477242.3	3742599.2	458.2	3.49	4.00
3.25	YES						
L0028175	0	0.17810E-07	477242.0	3742607.8	458.3	3.49	4.00
3.25	YES						
L0028176	0	0.17810E-07	477241.6	3742616.4	458.3	3.49	4.00
3.25	YES						
L0028177	0	0.17810E-07	477241.2	3742625.0	458.3	3.49	4.00
3.25	YES						
L0028178	0	0.17810E-07	477240.9	3742633.5	458.3	3.49	4.00
3.25	YES						
L0028179	0	0.17810E-07	477238.7	3742641.8	458.4	3.49	4.00
3.25	YES						
L0028180	0	0.17810E-07	477236.5	3742650.2	458.4	3.49	4.00
3.25	YES						
L0028181	0	0.17810E-07	477234.3	3742658.5	458.5	3.49	4.00
3.25	YES						
L0028182	0	0.17810E-07	477231.8	3742666.7	458.6	3.49	4.00
3.25	YES						
L0028183	0	0.17810E-07	477228.8	3742674.7	458.7	3.49	4.00
3.25	YES						
L0028184	0	0.17810E-07	477225.8	3742682.8	458.8	3.49	4.00
3.25	YES						
L0028185	0	0.17810E-07	477222.8	3742690.8	458.9	3.49	4.00
3.25	YES						
L0028186	0	0.17810E-07	477219.9	3742698.9	458.9	3.49	4.00
3.25	YES						
L0028187	0	0.17810E-07	477216.9	3742707.0	458.7	3.49	4.00
3.25	YES						
L0028188	0	0.17810E-07	477213.9	3742715.0	458.5	3.49	4.00
3.25	YES						

L0028204	0	0.17810E-07	477166.4	3742844.0	458.8	3.49	4.00
3.25	YES						
L0028205	0	0.17810E-07	477163.5	3742852.0	458.9	3.49	4.00
3.25	YES						
L0028206	0	0.17810E-07	477160.5	3742860.1	459.0	3.49	4.00
3.25	YES						
L0028207	0	0.17810E-07	477157.5	3742868.2	459.1	3.49	4.00
3.25	YES						
L0028208	0	0.17810E-07	477154.6	3742876.2	459.2	3.49	4.00
3.25	YES						
L0028209	0	0.17810E-07	477151.6	3742884.3	459.3	3.49	4.00
3.25	YES						
L0028210	0	0.17810E-07	477148.6	3742892.4	459.4	3.49	4.00
3.25	YES						
L0028211	0	0.17810E-07	477145.7	3742900.4	459.5	3.49	4.00
3.25	YES						
L0028212	0	0.17810E-07	477142.7	3742908.5	459.5	3.49	4.00
3.25	YES						
L0028213	0	0.17810E-07	477139.7	3742916.5	459.4	3.49	4.00
3.25	YES						
L0028214	0	0.17810E-07	477136.8	3742924.6	459.3	3.49	4.00
3.25	YES						
L0028215	0	0.17810E-07	477133.8	3742932.7	459.1	3.49	4.00
3.25	YES						
L0028216	0	0.17810E-07	477130.8	3742940.7	459.0	3.49	4.00
3.25	YES						
L0028217	0	0.17810E-07	477127.8	3742948.8	459.1	3.49	4.00
3.25	YES						
L0028218	0	0.17810E-07	477124.9	3742956.8	459.2	3.49	4.00
3.25	YES						
L0028219	0	0.17810E-07	477121.9	3742964.9	459.3	3.49	4.00
3.25	YES						
L0028220	0	0.17810E-07	477119.2	3742973.0	459.4	3.49	4.00
3.25	YES						
L0028221	0	0.17810E-07	477116.4	3742981.2	459.4	3.49	4.00
3.25	YES						
L0028222	0	0.17810E-07	477113.6	3742989.3	459.5	3.49	4.00
3.25	YES						
L0028223	0	0.17810E-07	477110.8	3742997.4	459.6	3.49	4.00
3.25	YES						
L0028224	0	0.17810E-07	477108.0	3743005.5	459.7	3.49	4.00
3.25	YES						
L0028225	0	0.17810E-07	477105.3	3743013.7	459.8	3.49	4.00
3.25	YES						
L0028226	0	0.17810E-07	477102.5	3743021.8	459.9	3.49	4.00
3.25	YES						
L0028227	0	0.17810E-07	477099.7	3743029.9	460.0	3.49	4.00
3.25	YES						
L0028228	0	0.17810E-07	477096.9	3743038.1	460.0	3.49	4.00
3.25	YES						

L0028229	0	0.17810E-07	477094.2	3743046.2	460.0	3.49	4.00
3.25	YES						
L0028230	0	0.17810E-07	477091.4	3743054.3	460.0	3.49	4.00
3.25	YES						
L0028231	0	0.17810E-07	477088.6	3743062.4	460.0	3.49	4.00
3.25	YES						
L0028232	0	0.17810E-07	477085.8	3743070.6	460.0	3.49	4.00
3.25	YES						
L0028233	0	0.17810E-07	477083.0	3743078.7	460.0	3.49	4.00
3.25	YES						
L0028234	0	0.17810E-07	477080.3	3743086.8	460.0	3.49	4.00
3.25	YES						
L0028235	0	0.17810E-07	477077.5	3743095.0	460.0	3.49	4.00
3.25	YES						
L0028236	0	0.17810E-07	477074.7	3743103.1	460.0	3.49	4.00
3.25	YES						
L0028237	0	0.17810E-07	477071.9	3743111.2	460.0	3.49	4.00
3.25	YES						
L0028238	0	0.17810E-07	477069.2	3743119.3	460.0	3.49	4.00
3.25	YES						
L0028239	0	0.17810E-07	477066.4	3743127.5	460.0	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028240	0	0.17810E-07	477063.6	3743135.6	460.0	3.49	4.00
3.25	YES						
L0028241	0	0.17810E-07	477060.8	3743143.7	460.0	3.49	4.00
3.25	YES						
L0028242	0	0.17810E-07	477058.1	3743151.9	460.0	3.49	4.00
3.25	YES						
L0028243	0	0.17810E-07	477055.3	3743160.0	460.0	3.49	4.00
3.25	YES						

L0028244	0	0.17810E-07	477052.5	3743168.1	460.0	3.49	4.00
3.25	YES						
L0028245	0	0.17810E-07	477049.7	3743176.2	460.0	3.49	4.00
3.25	YES						
L0028246	0	0.17810E-07	477046.9	3743184.4	460.0	3.49	4.00
3.25	YES						
L0028247	0	0.17810E-07	477044.2	3743192.5	460.0	3.49	4.00
3.25	YES						
L0028248	0	0.17810E-07	477041.4	3743200.6	460.0	3.49	4.00
3.25	YES						
L0028249	0	0.17810E-07	477038.6	3743208.8	460.0	3.49	4.00
3.25	YES						
L0028250	0	0.17810E-07	477035.8	3743216.9	460.1	3.49	4.00
3.25	YES						
L0028251	0	0.17810E-07	477033.1	3743225.0	460.2	3.49	4.00
3.25	YES						
L0028252	0	0.17810E-07	477030.3	3743233.1	460.3	3.49	4.00
3.25	YES						
L0028253	0	0.17810E-07	477027.5	3743241.3	460.3	3.49	4.00
3.25	YES						
L0028254	0	0.17810E-07	477024.7	3743249.4	460.3	3.49	4.00
3.25	YES						
L0028255	0	0.17810E-07	477021.9	3743257.5	460.2	3.49	4.00
3.25	YES						
L0028256	0	0.17810E-07	477019.2	3743265.7	460.0	3.49	4.00
3.25	YES						
L0028257	0	0.17810E-07	477016.4	3743273.8	460.0	3.49	4.00
3.25	YES						
L0028258	0	0.17810E-07	477013.6	3743281.9	460.0	3.49	4.00
3.25	YES						
L0028259	0	0.17810E-07	477010.8	3743290.0	460.0	3.49	4.00
3.25	YES						
L0028260	0	0.17810E-07	477008.1	3743298.2	460.1	3.49	4.00
3.25	YES						
L0028261	0	0.17810E-07	477005.3	3743306.3	460.2	3.49	4.00
3.25	YES						
L0028262	0	0.17810E-07	477002.5	3743314.4	460.2	3.49	4.00
3.25	YES						
L0028263	0	0.17810E-07	476999.7	3743322.6	460.3	3.49	4.00
3.25	YES						
L0028264	0	0.17810E-07	476996.9	3743330.7	460.4	3.49	4.00
3.25	YES						
L0028265	0	0.17810E-07	476994.2	3743338.8	460.5	3.49	4.00
3.25	YES						
L0028266	0	0.17810E-07	476991.4	3743346.9	460.6	3.49	4.00
3.25	YES						
L0028267	0	0.17810E-07	476988.6	3743355.1	460.7	3.49	4.00
3.25	YES						
L0028268	0	0.17810E-07	476985.8	3743363.2	460.6	3.49	4.00
3.25	YES						

L0028269	0	0.17810E-07	476983.1	3743371.3	460.4	3.49	4.00
3.25	YES						
L0028270	0	0.17810E-07	476980.3	3743379.5	460.2	3.49	4.00
3.25	YES						
L0028271	0	0.17810E-07	476977.5	3743387.6	460.1	3.49	4.00
3.25	YES						
L0028272	0	0.17810E-07	476974.7	3743395.7	460.2	3.49	4.00
3.25	YES						
L0028273	0	0.17810E-07	476972.0	3743403.8	460.3	3.49	4.00
3.25	YES						
L0028274	0	0.17810E-07	476969.2	3743412.0	460.4	3.49	4.00
3.25	YES						
L0028275	0	0.17810E-07	476966.4	3743420.1	460.4	3.49	4.00
3.25	YES						
L0028276	0	0.17810E-07	476963.6	3743428.2	460.3	3.49	4.00
3.25	YES						
L0028277	0	0.17810E-07	476960.8	3743436.3	460.2	3.49	4.00
3.25	YES						
L0028278	0	0.17810E-07	476957.9	3743444.4	460.0	3.49	4.00
3.25	YES						
L0028279	0	0.17810E-07	476955.0	3743452.5	460.0	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028280	0	0.17810E-07	476952.1	3743460.6	460.0	3.49	4.00
3.25	YES						
L0028281	0	0.17810E-07	476949.2	3743468.7	460.0	3.49	4.00
3.25	YES						
L0028282	0	0.17810E-07	476946.3	3743476.8	460.0	3.49	4.00
3.25	YES						
L0028283	0	0.17810E-07	476943.4	3743484.9	460.0	3.49	4.00
3.25	YES						

L0028284	0	0.17810E-07	476940.5	3743493.0	460.0	3.49	4.00
3.25	YES						
L0028285	0	0.17810E-07	476937.6	3743501.0	460.0	3.49	4.00
3.25	YES						
L0028286	0	0.17810E-07	476934.7	3743509.1	460.0	3.49	4.00
3.25	YES						
L0028287	0	0.17810E-07	476931.9	3743517.2	460.0	3.49	4.00
3.25	YES						
L0028288	0	0.17810E-07	476929.0	3743525.3	460.0	3.49	4.00
3.25	YES						
L0028289	0	0.17810E-07	476926.1	3743533.4	460.0	3.49	4.00
3.25	YES						
L0028290	0	0.17810E-07	476923.2	3743541.5	460.0	3.49	4.00
3.25	YES						
L0028291	0	0.17810E-07	476920.3	3743549.6	460.0	3.49	4.00
3.25	YES						
L0028292	0	0.17810E-07	476917.4	3743557.7	460.0	3.49	4.00
3.25	YES						
L0028293	0	0.17810E-07	476914.5	3743565.8	460.0	3.49	4.00
3.25	YES						
L0028294	0	0.17810E-07	476911.6	3743573.8	459.8	3.49	4.00
3.25	YES						
L0028295	0	0.17810E-07	476908.7	3743581.9	459.7	3.49	4.00
3.25	YES						
L0028296	0	0.17810E-07	476905.8	3743590.0	459.6	3.49	4.00
3.25	YES						
L0028297	0	0.17810E-07	476902.9	3743598.1	459.5	3.49	4.00
3.25	YES						
L0028298	0	0.17810E-07	476900.0	3743606.2	459.4	3.49	4.00
3.25	YES						
L0028299	0	0.17810E-07	476897.1	3743614.3	459.3	3.49	4.00
3.25	YES						
L0028300	0	0.17810E-07	476894.2	3743622.4	459.1	3.49	4.00
3.25	YES						
L0028301	0	0.17810E-07	476891.3	3743630.5	459.0	3.49	4.00
3.25	YES						
L0028302	0	0.17810E-07	476888.4	3743638.5	459.0	3.49	4.00
3.25	YES						
L0028303	0	0.17810E-07	476885.5	3743646.6	459.0	3.49	4.00
3.25	YES						
L0028304	0	0.17810E-07	476882.7	3743654.7	459.0	3.49	4.00
3.25	YES						
L0028305	0	0.17810E-07	476879.8	3743662.8	458.9	3.49	4.00
3.25	YES						
L0028306	0	0.17810E-07	476876.9	3743670.9	458.7	3.49	4.00
3.25	YES						
L0028307	0	0.17810E-07	476874.0	3743679.0	458.6	3.49	4.00
3.25	YES						
L0028308	0	0.17810E-07	476871.1	3743687.1	458.6	3.49	4.00
3.25	YES						

L0028309	0	0.17810E-07	476868.2	3743695.2	458.5	3.49	4.00
3.25	YES						
L0028310	0	0.17810E-07	476865.3	3743703.2	458.4	3.49	4.00
3.25	YES						
L0028311	0	0.17810E-07	476862.4	3743711.3	458.2	3.49	4.00
3.25	YES						
L0028312	0	0.17810E-07	476859.5	3743719.4	458.0	3.49	4.00
3.25	YES						
L0028313	0	0.17810E-07	476856.6	3743727.5	458.1	3.49	4.00
3.25	YES						
L0028314	0	0.17810E-07	476853.7	3743735.6	458.1	3.49	4.00
3.25	YES						
L0028315	0	0.17810E-07	476850.8	3743743.7	458.0	3.49	4.00
3.25	YES						
L0028316	0	0.17810E-07	476847.9	3743751.8	457.9	3.49	4.00
3.25	YES						
L0028317	0	0.17810E-07	476844.9	3743759.8	457.8	3.49	4.00
3.25	YES						
L0028318	0	0.17810E-07	476841.9	3743767.8	457.7	3.49	4.00
3.25	YES						
L0028319	0	0.17810E-07	476838.8	3743775.9	457.7	3.49	4.00
3.25	YES						

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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		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							

L0028320	0	0.17810E-07	476835.8	3743783.9	457.6	3.49	4.00
3.25	YES						
L0028321	0	0.17810E-07	476832.8	3743792.0	457.4	3.49	4.00
3.25	YES						
L0028322	0	0.17810E-07	476829.8	3743800.0	457.2	3.49	4.00
3.25	YES						
L0028323	0	0.17810E-07	476826.7	3743808.0	457.2	3.49	4.00
3.25	YES						

L0028324	0	0.17810E-07	476823.7	3743816.1	457.5	3.49	4.00
3.25 YES							
L0028325	0	0.17810E-07	476820.7	3743824.1	457.7	3.49	4.00
3.25 YES							
L0028326	0	0.17810E-07	476817.7	3743832.2	457.9	3.49	4.00
3.25 YES							
L0028327	0	0.17810E-07	476814.6	3743840.2	458.1	3.49	4.00
3.25 YES							
L0028328	0	0.17810E-07	476811.6	3743848.2	458.2	3.49	4.00
3.25 YES							
L0028329	0	0.17810E-07	476808.6	3743856.3	458.5	3.49	4.00
3.25 YES							
L0028330	0	0.17810E-07	476805.6	3743864.3	458.8	3.49	4.00
3.25 YES							
L0028331	0	0.17810E-07	476802.5	3743872.4	458.9	3.49	4.00
3.25 YES							
L0028332	0	0.17810E-07	476799.5	3743880.4	459.0	3.49	4.00
3.25 YES							
L0028333	0	0.17810E-07	476796.5	3743888.4	459.0	3.49	4.00
3.25 YES							
L0028334	0	0.17810E-07	476793.5	3743896.5	459.0	3.49	4.00
3.25 YES							
L0028335	0	0.17810E-07	476790.5	3743904.5	459.0	3.49	4.00
3.25 YES							
L0028336	0	0.17810E-07	476787.6	3743912.6	459.0	3.49	4.00
3.25 YES							
L0028337	0	0.17810E-07	476784.8	3743920.7	459.0	3.49	4.00
3.25 YES							
L0028338	0	0.17810E-07	476781.9	3743928.8	459.0	3.49	4.00
3.25 YES							
L0028339	0	0.17810E-07	476779.1	3743937.0	459.0	3.49	4.00
3.25 YES							
L0028340	0	0.17810E-07	476776.3	3743945.1	459.0	3.49	4.00
3.25 YES							
L0028341	0	0.17810E-07	476773.5	3743953.2	459.0	3.49	4.00
3.25 YES							
L0028342	0	0.17810E-07	476770.7	3743961.3	459.0	3.49	4.00
3.25 YES							
L0028343	0	0.17810E-07	476767.9	3743969.4	459.1	3.49	4.00
3.25 YES							
L0028344	0	0.17810E-07	476765.0	3743977.5	459.2	3.49	4.00
3.25 YES							
L0028345	0	0.17810E-07	476762.2	3743985.7	459.2	3.49	4.00
3.25 YES							
L0028346	0	0.17810E-07	476759.4	3743993.8	459.4	3.49	4.00
3.25 YES							
L0028347	0	0.17810E-07	476756.6	3744001.9	459.4	3.49	4.00
3.25 YES							
L0028348	0	0.17810E-07	476753.8	3744010.0	459.5	3.49	4.00
3.25 YES							

L0028349	0	0.17810E-07	476751.0	3744018.1	459.6	3.49	4.00
3.25	YES						
L0028350	0	0.17810E-07	476748.1	3744026.2	459.7	3.49	4.00
3.25	YES						
L0028351	0	0.17810E-07	476745.3	3744034.3	459.8	3.49	4.00
3.25	YES						
L0028352	0	0.17810E-07	476742.9	3744042.6	459.9	3.49	4.00
3.25	YES						
L0028353	0	0.17810E-07	476740.5	3744050.8	460.0	3.49	4.00
3.25	YES						
L0028354	0	0.17810E-07	476738.2	3744059.1	460.0	3.49	4.00
3.25	YES						
L0028355	0	0.17810E-07	476735.8	3744067.4	460.0	3.49	4.00
3.25	YES						
L0028356	0	0.17810E-07	476733.5	3744075.6	460.0	3.49	4.00
3.25	YES						
L0028357	0	0.17810E-07	476731.1	3744083.9	460.0	3.49	4.00
3.25	YES						
L0028358	0	0.17810E-07	476728.7	3744092.1	460.0	3.49	4.00
3.25	YES						
L0028359	0	0.17810E-07	476727.3	3744100.5	460.0	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028360	0	0.17810E-07	476727.1	3744109.1	460.0	3.49	4.00
3.25	YES						
L0028361	0	0.17810E-07	476726.9	3744117.7	460.0	3.49	4.00
3.25	YES						
L0028362	0	0.17810E-07	476726.6	3744126.3	460.0	3.49	4.00
3.25	YES						
L0028363	0	0.17810E-07	476726.4	3744134.9	460.0	3.49	4.00
3.25	YES						

L0028364	0	0.17810E-07	476726.2	3744143.5	459.9	3.49	4.00
3.25	YES						
L0028365	0	0.17810E-07	476725.9	3744152.1	459.7	3.49	4.00
3.25	YES						
L0028366	0	0.17810E-07	476725.7	3744160.7	459.6	3.49	4.00
3.25	YES						
L0028367	0	0.17810E-07	476725.5	3744169.2	459.5	3.49	4.00
3.25	YES						
L0028368	0	0.17810E-07	476725.2	3744177.8	459.5	3.49	4.00
3.25	YES						
L0028369	0	0.17810E-07	476724.8	3744186.4	459.5	3.49	4.00
3.25	YES						
L0028370	0	0.17810E-07	476724.4	3744195.0	459.5	3.49	4.00
3.25	YES						
L0028371	0	0.17810E-07	476724.0	3744203.6	459.4	3.49	4.00
3.25	YES						
L0028372	0	0.17810E-07	476723.6	3744212.1	459.2	3.49	4.00
3.25	YES						
L0028373	0	0.17810E-07	476723.1	3744220.7	459.1	3.49	4.00
3.25	YES						
L0028374	0	0.17810E-07	476722.7	3744229.3	459.0	3.49	4.00
3.25	YES						
L0028375	0	0.17810E-07	476722.3	3744237.9	458.8	3.49	4.00
3.25	YES						
L0028376	0	0.17810E-07	476721.9	3744246.5	458.7	3.49	4.00
3.25	YES						
L0028377	0	0.17810E-07	476721.5	3744255.0	458.6	3.49	4.00
3.25	YES						
L0028378	0	0.17810E-07	476721.0	3744263.6	458.6	3.49	4.00
3.25	YES						
L0028379	0	0.17810E-07	476720.0	3744272.1	458.7	3.49	4.00
3.25	YES						
L0028380	0	0.17810E-07	476717.2	3744280.2	458.8	3.49	4.00
3.25	YES						
L0028381	0	0.17810E-07	476714.4	3744288.3	458.9	3.49	4.00
3.25	YES						
L0028382	0	0.17810E-07	476711.6	3744296.5	458.9	3.49	4.00
3.25	YES						
L0028383	0	0.17810E-07	476708.8	3744304.6	459.0	3.49	4.00
3.25	YES						
L0028384	0	0.17810E-07	476706.0	3744312.7	459.1	3.49	4.00
3.25	YES						
L0028385	0	0.17810E-07	476703.2	3744320.8	459.2	3.49	4.00
3.25	YES						
L0028386	0	0.17810E-07	476700.4	3744328.9	459.2	3.49	4.00
3.25	YES						
L0028387	0	0.17810E-07	476697.6	3744337.1	459.1	3.49	4.00
3.25	YES						
L0028388	0	0.17810E-07	476694.8	3744345.2	459.0	3.49	4.00
3.25	YES						

L0028404	0	0.17810E-07	476599.8	3744442.3	460.0	3.49	4.00
3.25 YES							
L0028405	0	0.17810E-07	476593.0	3744447.5	460.0	3.49	4.00
3.25 YES							
L0028406	0	0.17810E-07	476586.1	3744452.7	460.1	3.49	4.00
3.25 YES							
L0028407	0	0.17810E-07	476579.3	3744457.8	460.4	3.49	4.00
3.25 YES							
L0028408	0	0.17810E-07	476572.4	3744463.0	460.6	3.49	4.00
3.25 YES							
L0028409	0	0.17810E-07	476565.6	3744468.2	460.8	3.49	4.00
3.25 YES							
L0028410	0	0.17810E-07	476558.7	3744473.4	461.0	3.49	4.00
3.25 YES							
L0028411	0	0.17810E-07	476551.9	3744478.6	461.0	3.49	4.00
3.25 YES							
L0028412	0	0.17810E-07	476545.0	3744483.7	461.0	3.49	4.00
3.25 YES							
L0028413	0	0.17810E-07	476538.1	3744488.8	461.0	3.49	4.00
3.25 YES							
L0028414	0	0.17810E-07	476531.1	3744493.8	461.0	3.49	4.00
3.25 YES							
L0028415	0	0.17810E-07	476524.1	3744498.8	461.2	3.49	4.00
3.25 YES							
L0028416	0	0.17810E-07	476517.1	3744503.8	461.3	3.49	4.00
3.25 YES							
L0028417	0	0.17810E-07	476510.1	3744508.8	461.4	3.49	4.00
3.25 YES							
L0028418	0	0.17810E-07	476503.2	3744513.8	461.4	3.49	4.00
3.25 YES							
L0028419	0	0.17810E-07	476496.2	3744518.8	461.3	3.49	4.00
3.25 YES							
L0028420	0	0.17810E-07	476489.2	3744523.8	461.4	3.49	4.00
3.25 YES							
L0028421	0	0.17810E-07	476482.2	3744528.8	461.6	3.49	4.00
3.25 YES							
L0028422	0	0.17810E-07	476475.2	3744533.8	461.8	3.49	4.00
3.25 YES							
L0028423	0	0.17810E-07	476468.2	3744538.8	462.0	3.49	4.00
3.25 YES							
L0028424	0	0.17810E-07	476461.2	3744543.8	462.0	3.49	4.00
3.25 YES							
L0028425	0	0.17810E-07	476454.2	3744548.8	462.0	3.49	4.00
3.25 YES							
L0028426	0	0.17810E-07	476447.2	3744553.8	462.0	3.49	4.00
3.25 YES							
L0028427	0	0.17810E-07	476440.3	3744558.8	462.0	3.49	4.00
3.25 YES							
L0028428	0	0.17810E-07	476433.3	3744563.8	462.0	3.49	4.00
3.25 YES							

L0028429	0	0.17810E-07	476426.3	3744568.7	462.0	3.49	4.00
3.25	YES						
L0028430	0	0.17810E-07	476419.3	3744573.7	462.0	3.49	4.00
3.25	YES						
L0028431	0	0.17810E-07	476412.3	3744578.7	462.0	3.49	4.00
3.25	YES						
L0028432	0	0.17810E-07	476405.3	3744583.7	462.2	3.49	4.00
3.25	YES						
L0028433	0	0.17810E-07	476398.3	3744588.7	462.4	3.49	4.00
3.25	YES						
L0028434	0	0.17810E-07	476391.3	3744593.7	462.6	3.49	4.00
3.25	YES						
L0028435	0	0.17810E-07	476384.4	3744598.7	462.9	3.49	4.00
3.25	YES						
L0028436	0	0.17810E-07	476377.4	3744603.7	463.0	3.49	4.00
3.25	YES						
L0028437	0	0.17810E-07	476370.5	3744608.7	463.0	3.49	4.00
3.25	YES						
L0028438	0	0.17810E-07	476375.7	3744615.5	463.0	3.49	4.00
3.25	YES						
L0028439	0	0.17810E-07	476381.0	3744622.3	462.8	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028440	0	0.17810E-07	476386.2	3744629.1	462.4	3.49	4.00
3.25	YES						
L0028441	0	0.17810E-07	476391.5	3744635.9	462.2	3.49	4.00
3.25	YES						
L0028442	0	0.17810E-07	476396.7	3744642.7	462.1	3.49	4.00
3.25	YES						
L0028443	0	0.17810E-07	476402.0	3744649.5	462.0	3.49	4.00
3.25	YES						

L0028444	0	0.17810E-07	476407.2	3744656.3	462.0	3.49	4.00
3.25 YES							
L0028445	0	0.17810E-07	476412.5	3744663.1	461.9	3.49	4.00
3.25 YES							
L0028446	0	0.17810E-07	476417.8	3744669.9	461.7	3.49	4.00
3.25 YES							
L0028447	0	0.17810E-07	476423.0	3744676.7	461.6	3.49	4.00
3.25 YES							
L0028448	0	0.17810E-07	476428.3	3744683.5	461.4	3.49	4.00
3.25 YES							
L0028449	0	0.17810E-07	476434.7	3744689.2	461.2	3.49	4.00
3.25 YES							
L0028450	0	0.17810E-07	476441.1	3744694.8	461.0	3.49	4.00
3.25 YES							
L0028451	0	0.17810E-07	476447.6	3744700.4	460.7	3.49	4.00
3.25 YES							
L0028452	0	0.17810E-07	476454.1	3744706.1	460.5	3.49	4.00
3.25 YES							
L0028453	0	0.17810E-07	476460.6	3744711.7	460.4	3.49	4.00
3.25 YES							
L0028454	0	0.17810E-07	476467.1	3744717.3	460.4	3.49	4.00
3.25 YES							
L0028455	0	0.17810E-07	476473.6	3744722.9	460.5	3.49	4.00
3.25 YES							
L0028456	0	0.17810E-07	476480.1	3744728.6	460.5	3.49	4.00
3.25 YES							
L0028457	0	0.17810E-07	476486.6	3744734.2	460.4	3.49	4.00
3.25 YES							
L0028458	0	0.17810E-07	476493.1	3744739.8	460.2	3.49	4.00
3.25 YES							
L0028459	0	0.17810E-07	476500.0	3744744.7	460.0	3.49	4.00
3.25 YES							
L0028460	0	0.17810E-07	476508.0	3744748.0	460.0	3.49	4.00
3.25 YES							
L0028461	0	0.17810E-07	476515.9	3744751.2	460.0	3.49	4.00
3.25 YES							
L0028462	0	0.17810E-07	476523.9	3744754.5	460.0	3.49	4.00
3.25 YES							
L0028463	0	0.17810E-07	476531.8	3744757.8	459.9	3.49	4.00
3.25 YES							
L0028464	0	0.17810E-07	476539.8	3744761.1	459.7	3.49	4.00
3.25 YES							
L0028465	0	0.17810E-07	476547.7	3744764.3	459.4	3.49	4.00
3.25 YES							
L0028466	0	0.17810E-07	476555.6	3744767.6	459.1	3.49	4.00
3.25 YES							
L0028467	0	0.17810E-07	476563.6	3744770.9	458.9	3.49	4.00
3.25 YES							
L0028468	0	0.17810E-07	476571.5	3744774.2	458.6	3.49	4.00
3.25 YES							

L0028469	0	0.17810E-07	476579.5	3744777.4	458.4	3.49	4.00
3.25	YES						
L0028470	0	0.17810E-07	476587.4	3744780.7	458.1	3.49	4.00
3.25	YES						
L0028471	0	0.17810E-07	476595.3	3744784.0	458.0	3.49	4.00
3.25	YES						
L0028472	0	0.17810E-07	476603.3	3744787.3	458.0	3.49	4.00
3.25	YES						
L0028473	0	0.17810E-07	476611.2	3744790.5	458.0	3.49	4.00
3.25	YES						
L0028474	0	0.17810E-07	476619.2	3744793.8	458.0	3.49	4.00
3.25	YES						
L0028475	0	0.17810E-07	476627.1	3744797.1	458.0	3.49	4.00
3.25	YES						
L0028476	0	0.17810E-07	476635.0	3744800.4	457.9	3.49	4.00
3.25	YES						
L0028477	0	0.17810E-07	476643.0	3744803.6	457.8	3.49	4.00
3.25	YES						
L0028478	0	0.17810E-07	476650.9	3744806.9	457.6	3.49	4.00
3.25	YES						
L0028479	0	0.17810E-07	476658.9	3744810.2	457.4	3.49	4.00
3.25	YES						

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 HRA (REV).ISC *** 06/02/20
 *** AERMET - VERSION 16216 *** ***
 *** 11:05:52

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028480	0	0.17810E-07	476666.8	3744813.5	457.2	3.49	4.00
3.25	YES						
L0028481	0	0.17810E-07	476674.8	3744816.7	457.1	3.49	4.00
3.25	YES						
L0028482	0	0.17810E-07	476682.7	3744820.0	457.0	3.49	4.00
3.25	YES						
L0028483	0	0.17810E-07	476690.6	3744823.3	457.0	3.49	4.00
3.25	YES						

L0028484	0	0.17810E-07	476698.6	3744826.6	457.0	3.49	4.00
3.25	YES						
L0028485	0	0.17810E-07	476706.5	3744829.8	457.0	3.49	4.00
3.25	YES						
L0028486	0	0.17810E-07	476714.5	3744833.1	457.0	3.49	4.00
3.25	YES						
L0028487	0	0.17810E-07	476722.4	3744836.4	457.0	3.49	4.00
3.25	YES						
L0028488	0	0.17810E-07	476730.3	3744839.7	457.0	3.49	4.00
3.25	YES						
L0028489	0	0.17810E-07	476738.3	3744842.9	457.0	3.49	4.00
3.25	YES						
L0028490	0	0.17810E-07	476746.2	3744846.2	457.0	3.49	4.00
3.25	YES						
L0028491	0	0.17810E-07	476754.2	3744849.5	457.0	3.49	4.00
3.25	YES						
L0028492	0	0.17810E-07	476762.1	3744852.8	457.0	3.49	4.00
3.25	YES						
L0028493	0	0.17790E-07	477189.8	3742763.8	459.0	3.49	4.00
3.25	YES						
L0028494	0	0.17790E-07	477187.1	3742771.9	459.1	3.49	4.00
3.25	YES						
L0028495	0	0.17790E-07	477184.3	3742780.1	459.2	3.49	4.00
3.25	YES						
L0028496	0	0.17790E-07	477181.6	3742788.2	459.3	3.49	4.00
3.25	YES						
L0028497	0	0.17790E-07	477178.8	3742796.3	459.2	3.49	4.00
3.25	YES						
L0028498	0	0.17790E-07	477176.1	3742804.5	459.2	3.49	4.00
3.25	YES						
L0028499	0	0.17790E-07	477173.4	3742812.6	459.1	3.49	4.00
3.25	YES						
L0028500	0	0.17790E-07	477170.6	3742820.7	458.9	3.49	4.00
3.25	YES						
L0028501	0	0.17790E-07	477167.9	3742828.9	458.9	3.49	4.00
3.25	YES						
L0028502	0	0.17790E-07	477165.1	3742837.0	458.9	3.49	4.00
3.25	YES						
L0028503	0	0.17790E-07	477162.4	3742845.2	458.9	3.49	4.00
3.25	YES						
L0028504	0	0.17790E-07	477159.6	3742853.3	459.0	3.49	4.00
3.25	YES						
L0028505	0	0.17790E-07	477156.9	3742861.4	459.1	3.49	4.00
3.25	YES						
L0028506	0	0.17790E-07	477154.1	3742869.6	459.2	3.49	4.00
3.25	YES						
L0028507	0	0.17790E-07	477151.4	3742877.7	459.3	3.49	4.00
3.25	YES						
L0028508	0	0.17790E-07	477148.6	3742885.9	459.4	3.49	4.00
3.25	YES						

L0028509	0	0.17790E-07	477145.9	3742894.0	459.5	3.49	4.00
3.25	YES						
L0028510	0	0.17790E-07	477143.1	3742902.1	459.6	3.49	4.00
3.25	YES						
L0028511	0	0.17790E-07	477140.4	3742910.3	459.6	3.49	4.00
3.25	YES						
L0028512	0	0.17790E-07	477137.6	3742918.4	459.4	3.49	4.00
3.25	YES						
L0028513	0	0.17790E-07	477134.9	3742926.6	459.3	3.49	4.00
3.25	YES						
L0028514	0	0.17790E-07	477132.1	3742934.7	459.1	3.49	4.00
3.25	YES						
L0028515	0	0.17790E-07	477129.4	3742942.8	459.0	3.49	4.00
3.25	YES						
L0028516	0	0.17790E-07	477126.6	3742951.0	459.1	3.49	4.00
3.25	YES						
L0028517	0	0.17790E-07	477123.9	3742959.1	459.2	3.49	4.00
3.25	YES						
L0028518	0	0.17790E-07	477121.1	3742967.2	459.3	3.49	4.00
3.25	YES						
L0028519	0	0.17790E-07	477118.4	3742975.4	459.4	3.49	4.00
3.25	YES						

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
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 *** 11:05:52

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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		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							

L0028520	0	0.17790E-07	477115.6	3742983.5	459.5	3.49	4.00
3.25	YES						
L0028521	0	0.17790E-07	477112.8	3742991.6	459.6	3.49	4.00
3.25	YES						
L0028522	0	0.17790E-07	477110.0	3742999.8	459.7	3.49	4.00
3.25	YES						
L0028523	0	0.17790E-07	477107.2	3743007.9	459.8	3.49	4.00
3.25	YES						

L0028524	0	0.17790E-07	477104.5	3743016.0	459.9	3.49	4.00
3.25 YES							
L0028525	0	0.17790E-07	477101.7	3743024.1	459.9	3.49	4.00
3.25 YES							
L0028526	0	0.17790E-07	477098.9	3743032.3	460.0	3.49	4.00
3.25 YES							
L0028527	0	0.17790E-07	477096.1	3743040.4	460.0	3.49	4.00
3.25 YES							
L0028528	0	0.17790E-07	477093.4	3743048.5	460.0	3.49	4.00
3.25 YES							
L0028529	0	0.17790E-07	477090.6	3743056.7	460.0	3.49	4.00
3.25 YES							
L0028530	0	0.17790E-07	477087.8	3743064.8	460.0	3.49	4.00
3.25 YES							
L0028531	0	0.17790E-07	477085.0	3743072.9	460.0	3.49	4.00
3.25 YES							
L0028532	0	0.17790E-07	477082.3	3743081.0	460.0	3.49	4.00
3.25 YES							
L0028533	0	0.17790E-07	477079.5	3743089.2	460.0	3.49	4.00
3.25 YES							
L0028534	0	0.17790E-07	477076.7	3743097.3	460.0	3.49	4.00
3.25 YES							
L0028535	0	0.17790E-07	477073.9	3743105.4	460.0	3.49	4.00
3.25 YES							
L0028536	0	0.17790E-07	477071.1	3743113.6	460.0	3.49	4.00
3.25 YES							
L0028537	0	0.17790E-07	477068.4	3743121.7	460.0	3.49	4.00
3.25 YES							
L0028538	0	0.17790E-07	477065.6	3743129.8	460.0	3.49	4.00
3.25 YES							
L0028539	0	0.17790E-07	477062.8	3743137.9	460.0	3.49	4.00
3.25 YES							
L0028540	0	0.17790E-07	477060.0	3743146.1	460.0	3.49	4.00
3.25 YES							
L0028541	0	0.17790E-07	477057.3	3743154.2	460.0	3.49	4.00
3.25 YES							
L0028542	0	0.17790E-07	477054.5	3743162.3	460.0	3.49	4.00
3.25 YES							
L0028543	0	0.17790E-07	477051.7	3743170.5	460.0	3.49	4.00
3.25 YES							
L0028544	0	0.17790E-07	477048.9	3743178.6	460.0	3.49	4.00
3.25 YES							
L0028545	0	0.17790E-07	477046.1	3743186.7	460.0	3.49	4.00
3.25 YES							
L0028546	0	0.17790E-07	477043.4	3743194.8	460.0	3.49	4.00
3.25 YES							
L0028547	0	0.17790E-07	477040.6	3743203.0	460.0	3.49	4.00
3.25 YES							
L0028548	0	0.17790E-07	477037.8	3743211.1	460.1	3.49	4.00
3.25 YES							

L0028549	0	0.17790E-07	477035.0	3743219.2	460.2	3.49	4.00
3.25	YES						
L0028550	0	0.17790E-07	477032.3	3743227.4	460.2	3.49	4.00
3.25	YES						
L0028551	0	0.17790E-07	477029.5	3743235.5	460.4	3.49	4.00
3.25	YES						
L0028552	0	0.17790E-07	477026.7	3743243.6	460.3	3.49	4.00
3.25	YES						
L0028553	0	0.17790E-07	477023.9	3743251.7	460.3	3.49	4.00
3.25	YES						
L0028554	0	0.17790E-07	477021.1	3743259.9	460.1	3.49	4.00
3.25	YES						
L0028555	0	0.17790E-07	477018.4	3743268.0	460.0	3.49	4.00
3.25	YES						
L0028556	0	0.17790E-07	477015.6	3743276.1	460.0	3.49	4.00
3.25	YES						
L0028557	0	0.17790E-07	477012.8	3743284.3	460.0	3.49	4.00
3.25	YES						
L0028558	0	0.17790E-07	477010.0	3743292.4	460.0	3.49	4.00
3.25	YES						
L0028559	0	0.17790E-07	477007.3	3743300.5	460.1	3.49	4.00
3.25	YES						

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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						

L0028560	0	0.17790E-07	477004.5	3743308.6	460.2	3.49	4.00
3.25	YES						
L0028561	0	0.17790E-07	477001.7	3743316.8	460.3	3.49	4.00
3.25	YES						
L0028562	0	0.17790E-07	476998.9	3743324.9	460.4	3.49	4.00
3.25	YES						
L0028563	0	0.17790E-07	476996.1	3743333.0	460.5	3.49	4.00
3.25	YES						

L0028564	0	0.17790E-07	476993.4	3743341.2	460.6	3.49	4.00
3.25	YES						
L0028565	0	0.17790E-07	476990.6	3743349.3	460.6	3.49	4.00
3.25	YES						
L0028566	0	0.17790E-07	476987.8	3743357.4	460.7	3.49	4.00
3.25	YES						
L0028567	0	0.17790E-07	476985.0	3743365.5	460.6	3.49	4.00
3.25	YES						
L0028568	0	0.17790E-07	476982.3	3743373.7	460.4	3.49	4.00
3.25	YES						
L0028569	0	0.17790E-07	476979.5	3743381.8	460.2	3.49	4.00
3.25	YES						
L0028570	0	0.17790E-07	476976.7	3743389.9	460.1	3.49	4.00
3.25	YES						
L0028571	0	0.17790E-07	476973.9	3743398.1	460.2	3.49	4.00
3.25	YES						
L0028572	0	0.17790E-07	476971.2	3743406.2	460.3	3.49	4.00
3.25	YES						
L0028573	0	0.17790E-07	476968.4	3743414.3	460.4	3.49	4.00
3.25	YES						
L0028574	0	0.17790E-07	476965.6	3743422.4	460.4	3.49	4.00
3.25	YES						
L0028575	0	0.17790E-07	476962.8	3743430.6	460.3	3.49	4.00
3.25	YES						
L0028576	0	0.17790E-07	476960.0	3743438.7	460.2	3.49	4.00
3.25	YES						
L0028577	0	0.17790E-07	476957.1	3743446.8	460.0	3.49	4.00
3.25	YES						
L0028578	0	0.17790E-07	476954.2	3743454.8	460.0	3.49	4.00
3.25	YES						
L0028579	0	0.17790E-07	476951.3	3743462.9	460.0	3.49	4.00
3.25	YES						
L0028580	0	0.17790E-07	476948.4	3743471.0	460.0	3.49	4.00
3.25	YES						
L0028581	0	0.17790E-07	476945.5	3743479.1	460.0	3.49	4.00
3.25	YES						
L0028582	0	0.17790E-07	476942.6	3743487.2	460.0	3.49	4.00
3.25	YES						
L0028583	0	0.17790E-07	476939.7	3743495.3	460.0	3.49	4.00
3.25	YES						
L0028584	0	0.17790E-07	476936.8	3743503.4	460.0	3.49	4.00
3.25	YES						
L0028585	0	0.17790E-07	476933.9	3743511.5	460.0	3.49	4.00
3.25	YES						
L0028586	0	0.17790E-07	476931.0	3743519.6	460.0	3.49	4.00
3.25	YES						
L0028587	0	0.17790E-07	476928.1	3743527.6	460.0	3.49	4.00
3.25	YES						
L0028588	0	0.17790E-07	476925.2	3743535.7	460.0	3.49	4.00
3.25	YES						

L0028589	0	0.17790E-07	476922.3	3743543.8	460.0	3.49	4.00
3.25	YES						
L0028590	0	0.17790E-07	476919.4	3743551.9	460.0	3.49	4.00
3.25	YES						
L0028591	0	0.17790E-07	476916.6	3743560.0	460.0	3.49	4.00
3.25	YES						
L0028592	0	0.17790E-07	476913.7	3743568.1	459.9	3.49	4.00
3.25	YES						
L0028593	0	0.17790E-07	476910.8	3743576.2	459.8	3.49	4.00
3.25	YES						
L0028594	0	0.17790E-07	476907.9	3743584.3	459.6	3.49	4.00
3.25	YES						
L0028595	0	0.17790E-07	476905.0	3743592.3	459.6	3.49	4.00
3.25	YES						
L0028596	0	0.17790E-07	476902.1	3743600.4	459.5	3.49	4.00
3.25	YES						
L0028597	0	0.17790E-07	476899.2	3743608.5	459.4	3.49	4.00
3.25	YES						
L0028598	0	0.17790E-07	476896.3	3743616.6	459.2	3.49	4.00
3.25	YES						
L0028599	0	0.17790E-07	476893.4	3743624.7	459.0	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028600	0	0.17790E-07	476890.5	3743632.8	459.0	3.49	4.00
3.25	YES						
L0028601	0	0.17790E-07	476887.6	3743640.9	459.0	3.49	4.00
3.25	YES						
L0028602	0	0.17790E-07	476884.7	3743649.0	459.0	3.49	4.00
3.25	YES						
L0028603	0	0.17790E-07	476881.8	3743657.0	459.0	3.49	4.00
3.25	YES						

L0028604	0	0.17790E-07	476878.9	3743665.1	458.8	3.49	4.00
3.25	YES						
L0028605	0	0.17790E-07	476876.0	3743673.2	458.7	3.49	4.00
3.25	YES						
L0028606	0	0.17790E-07	476873.1	3743681.3	458.6	3.49	4.00
3.25	YES						
L0028607	0	0.17790E-07	476870.2	3743689.4	458.6	3.49	4.00
3.25	YES						
L0028608	0	0.17790E-07	476867.4	3743697.5	458.5	3.49	4.00
3.25	YES						
L0028609	0	0.17790E-07	476864.5	3743705.6	458.3	3.49	4.00
3.25	YES						
L0028610	0	0.17790E-07	476861.6	3743713.7	458.1	3.49	4.00
3.25	YES						
L0028611	0	0.17790E-07	476858.7	3743721.7	458.0	3.49	4.00
3.25	YES						
L0028612	0	0.17790E-07	476855.8	3743729.8	458.1	3.49	4.00
3.25	YES						
L0028613	0	0.17790E-07	476852.9	3743737.9	458.1	3.49	4.00
3.25	YES						
L0028614	0	0.17790E-07	476850.0	3743746.0	458.0	3.49	4.00
3.25	YES						
L0028615	0	0.17790E-07	476847.0	3743754.1	457.9	3.49	4.00
3.25	YES						
L0028616	0	0.17790E-07	476844.0	3743762.1	457.8	3.49	4.00
3.25	YES						
L0028617	0	0.17790E-07	476841.0	3743770.2	457.7	3.49	4.00
3.25	YES						
L0028618	0	0.17790E-07	476838.0	3743778.2	457.7	3.49	4.00
3.25	YES						
L0028619	0	0.17790E-07	476834.9	3743786.2	457.6	3.49	4.00
3.25	YES						
L0028620	0	0.17790E-07	476831.9	3743794.3	457.4	3.49	4.00
3.25	YES						
L0028621	0	0.17790E-07	476828.9	3743802.3	457.2	3.49	4.00
3.25	YES						
L0028622	0	0.17790E-07	476825.9	3743810.4	457.2	3.49	4.00
3.25	YES						
L0028623	0	0.17790E-07	476822.8	3743818.4	457.6	3.49	4.00
3.25	YES						
L0028624	0	0.17790E-07	476819.8	3743826.4	457.8	3.49	4.00
3.25	YES						
L0028625	0	0.17790E-07	476816.8	3743834.5	458.0	3.49	4.00
3.25	YES						
L0028626	0	0.17790E-07	476813.8	3743842.5	458.1	3.49	4.00
3.25	YES						
L0028627	0	0.17790E-07	476810.7	3743850.6	458.3	3.49	4.00
3.25	YES						
L0028628	0	0.17790E-07	476807.7	3743858.6	458.6	3.49	4.00
3.25	YES						

L0028644	0	0.17790E-07	476761.4	3743988.0	459.3	3.49	4.00
3.25 YES							
L0028645	0	0.17790E-07	476758.6	3743996.1	459.4	3.49	4.00
3.25 YES							
L0028646	0	0.17790E-07	476755.8	3744004.2	459.5	3.49	4.00
3.25 YES							
L0028647	0	0.17790E-07	476753.0	3744012.3	459.6	3.49	4.00
3.25 YES							
L0028648	0	0.17790E-07	476750.2	3744020.5	459.7	3.49	4.00
3.25 YES							
L0028649	0	0.17790E-07	476747.3	3744028.6	459.8	3.49	4.00
3.25 YES							
L0028650	0	0.17790E-07	476744.6	3744036.7	459.8	3.49	4.00
3.25 YES							
L0028651	0	0.17790E-07	476742.2	3744045.0	459.9	3.49	4.00
3.25 YES							
L0028652	0	0.17790E-07	476739.9	3744053.2	460.0	3.49	4.00
3.25 YES							
L0028653	0	0.17790E-07	476737.5	3744061.5	460.0	3.49	4.00
3.25 YES							
L0028654	0	0.17790E-07	476735.1	3744069.7	460.0	3.49	4.00
3.25 YES							
L0028655	0	0.17790E-07	476732.8	3744078.0	460.0	3.49	4.00
3.25 YES							
L0028656	0	0.17790E-07	476730.4	3744086.3	460.0	3.49	4.00
3.25 YES							
L0028657	0	0.17790E-07	476728.0	3744094.5	460.0	3.49	4.00
3.25 YES							
L0028658	0	0.17790E-07	476727.3	3744103.0	460.0	3.49	4.00
3.25 YES							
L0028659	0	0.17790E-07	476727.0	3744111.6	460.0	3.49	4.00
3.25 YES							
L0028660	0	0.17790E-07	476726.8	3744120.2	460.0	3.49	4.00
3.25 YES							
L0028661	0	0.17790E-07	476726.6	3744128.8	460.0	3.49	4.00
3.25 YES							
L0028662	0	0.17790E-07	476726.3	3744137.4	460.0	3.49	4.00
3.25 YES							
L0028663	0	0.17790E-07	476726.1	3744145.9	459.8	3.49	4.00
3.25 YES							
L0028664	0	0.17790E-07	476725.9	3744154.5	459.7	3.49	4.00
3.25 YES							
L0028665	0	0.17790E-07	476725.6	3744163.1	459.5	3.49	4.00
3.25 YES							
L0028666	0	0.17790E-07	476725.4	3744171.7	459.5	3.49	4.00
3.25 YES							
L0028667	0	0.17790E-07	476725.1	3744180.3	459.5	3.49	4.00
3.25 YES							
L0028668	0	0.17790E-07	476724.7	3744188.9	459.5	3.49	4.00
3.25 YES							

L0028684	0	0.17790E-07	476702.4	3744323.2	459.2	3.49	4.00
3.25	YES						
L0028685	0	0.17790E-07	476699.6	3744331.3	459.2	3.49	4.00
3.25	YES						
L0028686	0	0.17790E-07	476696.8	3744339.4	459.1	3.49	4.00
3.25	YES						
L0028687	0	0.17790E-07	476694.0	3744347.5	459.0	3.49	4.00
3.25	YES						
L0028688	0	0.17790E-07	476689.1	3744354.5	458.9	3.49	4.00
3.25	YES						
L0028689	0	0.17790E-07	476683.9	3744361.3	458.9	3.49	4.00
3.25	YES						
L0028690	0	0.17790E-07	476678.7	3744368.2	459.0	3.49	4.00
3.25	YES						
L0028691	0	0.17790E-07	476673.5	3744375.0	459.2	3.49	4.00
3.25	YES						
L0028692	0	0.17790E-07	476668.3	3744381.8	459.3	3.49	4.00
3.25	YES						
L0028693	0	0.17790E-07	476663.1	3744388.7	459.3	3.49	4.00
3.25	YES						
L0028694	0	0.17790E-07	476657.9	3744395.5	459.3	3.49	4.00
3.25	YES						
L0028695	0	0.17790E-07	476652.7	3744402.3	459.1	3.49	4.00
3.25	YES						
L0028696	0	0.17790E-07	476645.8	3744407.5	459.1	3.49	4.00
3.25	YES						
L0028697	0	0.17790E-07	476639.0	3744412.7	459.4	3.49	4.00
3.25	YES						
L0028698	0	0.17790E-07	476632.1	3744417.9	459.6	3.49	4.00
3.25	YES						
L0028699	0	0.17790E-07	476625.3	3744423.1	459.8	3.49	4.00
3.25	YES						
L0028700	0	0.17790E-07	476618.4	3744428.2	460.0	3.49	4.00
3.25	YES						
L0028701	0	0.17790E-07	476611.6	3744433.4	460.0	3.49	4.00
3.25	YES						
L0028702	0	0.17790E-07	476604.7	3744438.6	460.0	3.49	4.00
3.25	YES						
L0028703	0	0.17790E-07	476597.9	3744443.8	460.0	3.49	4.00
3.25	YES						
L0028704	0	0.17790E-07	476591.0	3744449.0	460.0	3.49	4.00
3.25	YES						
L0028705	0	0.17790E-07	476584.2	3744454.2	460.2	3.49	4.00
3.25	YES						
L0028706	0	0.17790E-07	476577.3	3744459.3	460.4	3.49	4.00
3.25	YES						
L0028707	0	0.17790E-07	476570.5	3744464.5	460.7	3.49	4.00
3.25	YES						
L0028708	0	0.17790E-07	476563.6	3744469.7	460.9	3.49	4.00
3.25	YES						

L0028709	0	0.17790E-07	476556.8	3744474.9	461.0	3.49	4.00
3.25	YES						
L0028710	0	0.17790E-07	476549.9	3744480.1	461.0	3.49	4.00
3.25	YES						
L0028711	0	0.17790E-07	476543.0	3744485.2	461.0	3.49	4.00
3.25	YES						
L0028712	0	0.17790E-07	476536.1	3744490.3	461.0	3.49	4.00
3.25	YES						
L0028713	0	0.17790E-07	476529.1	3744495.3	461.0	3.49	4.00
3.25	YES						
L0028714	0	0.17790E-07	476522.1	3744500.2	461.2	3.49	4.00
3.25	YES						
L0028715	0	0.17790E-07	476515.1	3744505.2	461.3	3.49	4.00
3.25	YES						
L0028716	0	0.17790E-07	476508.1	3744510.2	461.4	3.49	4.00
3.25	YES						
L0028717	0	0.17790E-07	476501.1	3744515.2	461.4	3.49	4.00
3.25	YES						
L0028718	0	0.17790E-07	476494.2	3744520.2	461.4	3.49	4.00
3.25	YES						
L0028719	0	0.17790E-07	476487.2	3744525.2	461.4	3.49	4.00
3.25	YES						

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028720	0	0.17790E-07	476480.2	3744530.2	461.7	3.49	4.00
3.25	YES						
L0028721	0	0.17790E-07	476473.2	3744535.2	461.9	3.49	4.00
3.25	YES						
L0028722	0	0.17790E-07	476466.2	3744540.2	462.0	3.49	4.00
3.25	YES						
L0028723	0	0.17790E-07	476459.2	3744545.2	462.0	3.49	4.00
3.25	YES						

L0028724	0	0.17790E-07	476452.2	3744550.2	462.0	3.49	4.00
3.25 YES							
L0028725	0	0.17790E-07	476445.2	3744555.2	462.0	3.49	4.00
3.25 YES							
L0028726	0	0.17790E-07	476438.2	3744560.2	462.0	3.49	4.00
3.25 YES							
L0028727	0	0.17790E-07	476431.3	3744565.2	462.0	3.49	4.00
3.25 YES							
L0028728	0	0.17790E-07	476424.3	3744570.2	462.0	3.49	4.00
3.25 YES							
L0028729	0	0.17790E-07	476417.3	3744575.2	462.0	3.49	4.00
3.25 YES							
L0028730	0	0.17790E-07	476410.3	3744580.2	462.0	3.49	4.00
3.25 YES							
L0028731	0	0.17790E-07	476403.3	3744585.2	462.2	3.49	4.00
3.25 YES							
L0028732	0	0.17790E-07	476396.3	3744590.2	462.4	3.49	4.00
3.25 YES							
L0028733	0	0.17790E-07	476389.3	3744595.2	462.7	3.49	4.00
3.25 YES							
L0028734	0	0.17790E-07	476382.3	3744600.2	462.9	3.49	4.00
3.25 YES							
L0028735	0	0.17790E-07	476375.4	3744605.1	463.0	3.49	4.00
3.25 YES							
L0028736	0	0.17790E-07	476372.0	3744610.7	463.0	3.49	4.00
3.25 YES							
L0028737	0	0.17790E-07	476377.2	3744617.5	463.0	3.49	4.00
3.25 YES							
L0028738	0	0.17790E-07	476382.5	3744624.3	462.7	3.49	4.00
3.25 YES							
L0028739	0	0.17790E-07	476387.7	3744631.1	462.4	3.49	4.00
3.25 YES							
L0028740	0	0.17790E-07	476393.0	3744637.9	462.2	3.49	4.00
3.25 YES							
L0028741	0	0.17790E-07	476398.2	3744644.7	462.0	3.49	4.00
3.25 YES							
L0028742	0	0.17790E-07	476403.5	3744651.5	462.0	3.49	4.00
3.25 YES							
L0028743	0	0.17790E-07	476408.8	3744658.2	462.0	3.49	4.00
3.25 YES							
L0028744	0	0.17790E-07	476414.0	3744665.0	461.9	3.49	4.00
3.25 YES							
L0028745	0	0.17790E-07	476419.3	3744671.8	461.7	3.49	4.00
3.25 YES							
L0028746	0	0.17790E-07	476424.5	3744678.6	461.5	3.49	4.00
3.25 YES							
L0028747	0	0.17790E-07	476430.0	3744685.2	461.3	3.49	4.00
3.25 YES							
L0028748	0	0.17790E-07	476436.5	3744690.8	461.1	3.49	4.00
3.25 YES							

L0028749	0	0.17790E-07	476443.0	3744696.4	460.9	3.49	4.00
3.25	YES						
L0028750	0	0.17790E-07	476449.5	3744702.1	460.7	3.49	4.00
3.25	YES						
L0028751	0	0.17790E-07	476456.0	3744707.7	460.5	3.49	4.00
3.25	YES						
L0028752	0	0.17790E-07	476462.5	3744713.3	460.4	3.49	4.00
3.25	YES						
L0028753	0	0.17790E-07	476469.0	3744718.9	460.4	3.49	4.00
3.25	YES						
L0028754	0	0.17790E-07	476475.5	3744724.6	460.5	3.49	4.00
3.25	YES						
L0028755	0	0.17790E-07	476482.0	3744730.2	460.5	3.49	4.00
3.25	YES						
L0028756	0	0.17790E-07	476488.5	3744735.8	460.4	3.49	4.00
3.25	YES						
L0028757	0	0.17790E-07	476495.0	3744741.4	460.1	3.49	4.00
3.25	YES						
L0028758	0	0.17790E-07	476502.3	3744745.6	460.0	3.49	4.00
3.25	YES						
L0028759	0	0.17790E-07	476510.3	3744748.9	460.0	3.49	4.00
3.25	YES						

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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			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0028760	0	0.17790E-07	476518.2	3744752.2	460.0	3.49	4.00
3.25	YES						
L0028761	0	0.17790E-07	476526.2	3744755.4	460.0	3.49	4.00
3.25	YES						
L0028762	0	0.17790E-07	476534.1	3744758.7	459.9	3.49	4.00
3.25	YES						
L0028763	0	0.17790E-07	476542.0	3744762.0	459.6	3.49	4.00
3.25	YES						

L0028764	0	0.17790E-07	476550.0	3744765.3	459.3	3.49	4.00
3.25	YES						
L0028765	0	0.17790E-07	476557.9	3744768.6	459.1	3.49	4.00
3.25	YES						
L0028766	0	0.17790E-07	476565.9	3744771.8	458.8	3.49	4.00
3.25	YES						
L0028767	0	0.17790E-07	476573.8	3744775.1	458.5	3.49	4.00
3.25	YES						
L0028768	0	0.17790E-07	476581.7	3744778.4	458.3	3.49	4.00
3.25	YES						
L0028769	0	0.17790E-07	476589.7	3744781.7	458.0	3.49	4.00
3.25	YES						
L0028770	0	0.17790E-07	476597.6	3744784.9	458.0	3.49	4.00
3.25	YES						
L0028771	0	0.17790E-07	476605.6	3744788.2	458.0	3.49	4.00
3.25	YES						
L0028772	0	0.17790E-07	476613.5	3744791.5	458.0	3.49	4.00
3.25	YES						
L0028773	0	0.17790E-07	476621.4	3744794.8	458.0	3.49	4.00
3.25	YES						
L0028774	0	0.17790E-07	476629.4	3744798.0	458.0	3.49	4.00
3.25	YES						
L0028775	0	0.17790E-07	476637.3	3744801.3	457.9	3.49	4.00
3.25	YES						
L0028776	0	0.17790E-07	476645.3	3744804.6	457.8	3.49	4.00
3.25	YES						
L0028777	0	0.17790E-07	476653.2	3744807.9	457.5	3.49	4.00
3.25	YES						
L0028778	0	0.17790E-07	476661.2	3744811.1	457.3	3.49	4.00
3.25	YES						
L0028779	0	0.17790E-07	476669.1	3744814.4	457.1	3.49	4.00
3.25	YES						
L0028780	0	0.17790E-07	476677.0	3744817.7	457.0	3.49	4.00
3.25	YES						
L0028781	0	0.17790E-07	476685.0	3744821.0	457.0	3.49	4.00
3.25	YES						
L0028782	0	0.17790E-07	476692.9	3744824.2	457.0	3.49	4.00
3.25	YES						
L0028783	0	0.17790E-07	476700.9	3744827.5	457.0	3.49	4.00
3.25	YES						
L0028784	0	0.17790E-07	476708.8	3744830.8	457.0	3.49	4.00
3.25	YES						
L0028785	0	0.17790E-07	476716.7	3744834.1	457.0	3.49	4.00
3.25	YES						
L0028786	0	0.17790E-07	476724.7	3744837.3	457.0	3.49	4.00
3.25	YES						
L0028787	0	0.17790E-07	476732.6	3744840.6	457.0	3.49	4.00
3.25	YES						
L0028788	0	0.17790E-07	476740.6	3744843.9	457.0	3.49	4.00
3.25	YES						

L0028804	0	0.16040E-06	477074.9	3742568.7	463.2	3.49	4.00
3.25	YES						
L0028805	0	0.16040E-06	477083.5	3742568.9	463.1	3.49	4.00
3.25	YES						
L0028806	0	0.16040E-06	477092.1	3742569.2	463.1	3.49	4.00
3.25	YES						
L0028807	0	0.16040E-06	477100.7	3742569.4	463.0	3.49	4.00
3.25	YES						
L0028808	0	0.16040E-06	477109.3	3742569.6	462.7	3.49	4.00
3.25	YES						
L0028809	0	0.16040E-06	477117.9	3742569.8	462.4	3.49	4.00
3.25	YES						
L0028810	0	0.16040E-06	477126.5	3742570.1	462.1	3.49	4.00
3.25	YES						
L0028811	0	0.16040E-06	477135.0	3742570.3	461.8	3.49	4.00
3.25	YES						
L0028812	0	0.16040E-06	477143.6	3742570.5	461.5	3.49	4.00
3.25	YES						
L0028813	0	0.16040E-06	477152.2	3742570.7	461.3	3.49	4.00
3.25	YES						
L0028814	0	0.16040E-06	477160.8	3742571.0	461.0	3.49	4.00
3.25	YES						
L0028815	0	0.16040E-06	477169.4	3742571.2	460.7	3.49	4.00
3.25	YES						
L0028816	0	0.16040E-06	477178.0	3742571.4	460.4	3.49	4.00
3.25	YES						
L0028817	0	0.16040E-06	477186.6	3742571.7	460.1	3.49	4.00
3.25	YES						
L0028818	0	0.16040E-06	477195.2	3742571.9	459.9	3.49	4.00
3.25	YES						
L0028819	0	0.16040E-06	477203.7	3742572.1	459.6	3.49	4.00
3.25	YES						
L0028820	0	0.16040E-06	477212.3	3742572.3	459.4	3.49	4.00
3.25	YES						
L0028821	0	0.16040E-06	477220.9	3742572.6	459.1	3.49	4.00
3.25	YES						
L0028822	0	0.16040E-06	477229.5	3742572.8	458.8	3.49	4.00
3.25	YES						
L0028823	0	0.16040E-06	477238.1	3742573.0	458.5	3.49	4.00
3.25	YES						
L0028824	0	0.16040E-06	477246.7	3742573.5	458.2	3.49	4.00
3.25	YES						
L0028825	0	0.16040E-06	477255.2	3742574.3	458.1	3.49	4.00
3.25	YES						
L0028826	0	0.16040E-06	477263.8	3742575.1	458.0	3.49	4.00
3.25	YES						
L0028827	0	0.16040E-06	477272.3	3742575.6	458.0	3.49	4.00
3.25	YES						
L0028828	0	0.16040E-06	477280.9	3742576.2	458.0	3.49	4.00
3.25	YES						

L0028844	0	0.16040E-06	477418.2	3742580.3	455.3	3.49	4.00
3.25 YES							
L0028845	0	0.16040E-06	477426.8	3742580.2	455.1	3.49	4.00
3.25 YES							
L0028846	0	0.16040E-06	477435.4	3742580.2	454.8	3.49	4.00
3.25 YES							
L0028847	0	0.16040E-06	477444.0	3742580.1	454.5	3.49	4.00
3.25 YES							
L0028848	0	0.16040E-06	477452.6	3742580.1	454.2	3.49	4.00
3.25 YES							
L0028849	0	0.16040E-06	477461.2	3742580.0	454.0	3.49	4.00
3.25 YES							
L0028850	0	0.16040E-06	477469.8	3742580.0	454.0	3.49	4.00
3.25 YES							
L0028851	0	0.16040E-06	477478.4	3742579.9	454.0	3.49	4.00
3.25 YES							
L0028852	0	0.16040E-06	477487.0	3742579.9	454.0	3.49	4.00
3.25 YES							
L0028853	0	0.16040E-06	477495.5	3742579.8	453.8	3.49	4.00
3.25 YES							
L0028854	0	0.16040E-06	477504.1	3742579.8	453.5	3.49	4.00
3.25 YES							
L0028855	0	0.16040E-06	477512.7	3742579.7	453.2	3.49	4.00
3.25 YES							
L0028856	0	0.16040E-06	477521.3	3742579.7	453.0	3.49	4.00
3.25 YES							
L0028857	0	0.16040E-06	477529.9	3742579.6	453.0	3.49	4.00
3.25 YES							
L0028858	0	0.16040E-06	477538.5	3742579.6	452.9	3.49	4.00
3.25 YES							
L0028859	0	0.16040E-06	477547.1	3742579.5	452.9	3.49	4.00
3.25 YES							
L0028860	0	0.16040E-06	477555.7	3742579.5	452.7	3.49	4.00
3.25 YES							
L0028861	0	0.16040E-06	477564.3	3742579.4	452.5	3.49	4.00
3.25 YES							
L0028862	0	0.16040E-06	477572.9	3742579.3	452.2	3.49	4.00
3.25 YES							
L0028863	0	0.16040E-06	477581.4	3742579.3	452.0	3.49	4.00
3.25 YES							
L0028864	0	0.16040E-06	477590.0	3742579.2	452.0	3.49	4.00
3.25 YES							
L0028865	0	0.16040E-06	477598.6	3742579.2	452.0	3.49	4.00
3.25 YES							
L0028866	0	0.16040E-06	477607.2	3742579.1	452.0	3.49	4.00
3.25 YES							
L0028867	0	0.16040E-06	477615.8	3742579.1	451.8	3.49	4.00
3.25 YES							
L0028868	0	0.16040E-06	477624.4	3742579.0	451.5	3.49	4.00
3.25 YES							

L0027983	0	0.70990E-07	477215.0	3742715.6	458.5	3.49	4.00
3.25	YES						
L0027984	0	0.70990E-07	477217.8	3742707.5	458.7	3.49	4.00
3.25	YES						
L0027985	0	0.70990E-07	477220.7	3742699.4	458.9	3.49	4.00
3.25	YES						
L0027986	0	0.70990E-07	477223.6	3742691.3	458.9	3.49	4.00
3.25	YES						
L0027987	0	0.70990E-07	477226.4	3742683.2	458.8	3.49	4.00
3.25	YES						
L0027988	0	0.70990E-07	477229.3	3742675.1	458.7	3.49	4.00
3.25	YES						
L0027989	0	0.70990E-07	477232.1	3742667.0	458.6	3.49	4.00
3.25	YES						
L0027990	0	0.70990E-07	477235.0	3742658.9	458.5	3.49	4.00
3.25	YES						
L0027991	0	0.70990E-07	477237.8	3742650.8	458.4	3.49	4.00
3.25	YES						
L0027992	0	0.70990E-07	477239.8	3742642.5	458.3	3.49	4.00
3.25	YES						
L0027993	0	0.70990E-07	477240.3	3742633.9	458.3	3.49	4.00
3.25	YES						
L0027994	0	0.70990E-07	477240.9	3742625.3	458.3	3.49	4.00
3.25	YES						
L0027995	0	0.70990E-07	477241.5	3742616.8	458.3	3.49	4.00
3.25	YES						
L0027996	0	0.70990E-07	477241.8	3742608.2	458.3	3.49	4.00
3.25	YES						
L0027997	0	0.70990E-07	477241.8	3742599.6	458.3	3.49	4.00
3.25	YES						
L0027998	0	0.70990E-07	477241.8	3742591.0	458.3	3.49	4.00
3.25	YES						
L0027999	0	0.70990E-07	477241.8	3742582.4	458.3	3.49	4.00
3.25	YES						
L0028000	0	0.70990E-07	477241.8	3742573.8	458.4	3.49	4.00
3.25	YES						
L0028001	0	0.70990E-07	477247.6	3742569.6	458.3	3.49	4.00
3.25	YES						
L0028002	0	0.70990E-07	477256.2	3742570.1	458.2	3.49	4.00
3.25	YES						
L0028003	0	0.70990E-07	477264.8	3742570.6	458.1	3.49	4.00
3.25	YES						
L0028004	0	0.70990E-07	477273.4	3742571.1	458.0	3.49	4.00
3.25	YES						
L0028005	0	0.70990E-07	477282.0	3742571.5	457.9	3.49	4.00
3.25	YES						
L0028006	0	0.70990E-07	477290.5	3742572.0	457.6	3.49	4.00
3.25	YES						
L0028007	0	0.70990E-07	477299.1	3742572.5	457.4	3.49	4.00
3.25	YES						

L0028008	0	0.70990E-07	477307.7	3742573.0	457.1	3.49	4.00
3.25	YES						
L0028009	0	0.70990E-07	477316.3	3742573.5	456.8	3.49	4.00
3.25	YES						
L0028010	0	0.70990E-07	477324.8	3742573.9	456.5	3.49	4.00
3.25	YES						
L0028011	0	0.70990E-07	477333.4	3742574.4	456.2	3.49	4.00
3.25	YES						
L0028012	0	0.70990E-07	477342.0	3742574.4	456.0	3.49	4.00
3.25	YES						
L0028013	0	0.70990E-07	477350.6	3742574.4	456.0	3.49	4.00
3.25	YES						
L0028014	0	0.70990E-07	477359.2	3742574.4	456.0	3.49	4.00
3.25	YES						
L0028015	0	0.70990E-07	477367.8	3742574.4	456.0	3.49	4.00
3.25	YES						
L0028016	0	0.70990E-07	477376.4	3742574.5	456.0	3.49	4.00
3.25	YES						
L0028017	0	0.70990E-07	477384.9	3742574.7	456.0	3.49	4.00
3.25	YES						
L0028018	0	0.70990E-07	477393.5	3742574.9	456.0	3.49	4.00
3.25	YES						

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0028019	0	0.70990E-07	477402.1	3742575.1	455.9	3.49	4.00
3.25	YES						
L0028020	0	0.70990E-07	477410.7	3742575.3	455.6	3.49	4.00
3.25	YES						
L0028021	0	0.70990E-07	477419.3	3742575.4	455.4	3.49	4.00
3.25	YES						
L0028022	0	0.70990E-07	477427.9	3742575.2	455.1	3.49	4.00
3.25	YES						

L0028023	0	0.70990E-07	477436.5	3742574.8	454.8	3.49	4.00
3.25 YES							
L0028024	0	0.70990E-07	477445.0	3742574.3	454.5	3.49	4.00
3.25 YES							
L0028025	0	0.70990E-07	477453.6	3742573.9	454.3	3.49	4.00
3.25 YES							
L0028026	0	0.70990E-07	477462.2	3742573.4	454.1	3.49	4.00
3.25 YES							
L0028027	0	0.70990E-07	477470.8	3742572.9	454.1	3.49	4.00
3.25 YES							
L0028028	0	0.70990E-07	477479.3	3742572.5	454.0	3.49	4.00
3.25 YES							
L0028029	0	0.70990E-07	477487.9	3742572.0	454.0	3.49	4.00
3.25 YES							
L0028030	0	0.70990E-07	477496.5	3742571.6	453.8	3.49	4.00
3.25 YES							
L0028031	0	0.70990E-07	477505.1	3742571.1	453.6	3.49	4.00
3.25 YES							
L0028032	0	0.70990E-07	477513.7	3742570.9	453.4	3.49	4.00
3.25 YES							
L0028033	0	0.70990E-07	477522.3	3742570.6	453.2	3.49	4.00
3.25 YES							
L0028034	0	0.70990E-07	477530.8	3742570.4	453.1	3.49	4.00
3.25 YES							
L0028035	0	0.70990E-07	477539.4	3742570.2	453.1	3.49	4.00
3.25 YES							
L0028036	0	0.70990E-07	477548.0	3742570.0	453.0	3.49	4.00
3.25 YES							
L0028037	0	0.70990E-07	477556.6	3742569.8	452.8	3.49	4.00
3.25 YES							
L0028038	0	0.70990E-07	477565.2	3742569.5	452.6	3.49	4.00
3.25 YES							
L0028039	0	0.70990E-07	477573.8	3742569.3	452.4	3.49	4.00
3.25 YES							
L0028040	0	0.70990E-07	477582.4	3742569.1	452.2	3.49	4.00
3.25 YES							
L0028041	0	0.70990E-07	477591.0	3742568.9	452.2	3.49	4.00
3.25 YES							
L0028042	0	0.70990E-07	477599.5	3742568.7	452.1	3.49	4.00
3.25 YES							
L0028043	0	0.70990E-07	477608.1	3742568.4	452.0	3.49	4.00
3.25 YES							
L0028044	0	0.70990E-07	477616.7	3742568.2	451.8	3.49	4.00
3.25 YES							
L0028045	0	0.70990E-07	477625.3	3742568.0	451.6	3.49	4.00
3.25 YES							
L0028046	0	0.70990E-07	477633.9	3742567.8	451.4	3.49	4.00
3.25 YES							
L0028047	0	0.70990E-07	477642.5	3742567.4	451.3	3.49	4.00
3.25 YES							

L0028048	0	0.70990E-07	477651.0	3742566.9	451.2	3.49	4.00
3.25	YES						
L0028049	0	0.70990E-07	477659.6	3742566.4	451.1	3.49	4.00
3.25	YES						
L0028050	0	0.70990E-07	477668.2	3742566.0	451.0	3.49	4.00
3.25	YES						
L0028051	0	0.70990E-07	477676.8	3742565.5	451.0	3.49	4.00
3.25	YES						
L0028052	0	0.70990E-07	477685.4	3742565.1	451.0	3.49	4.00
3.25	YES						
L0028053	0	0.70990E-07	477693.9	3742564.6	451.0	3.49	4.00
3.25	YES						

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0027059 , L0027060 , L0027061 , L0027062 , L0027063 ,
L0027064	, L0027065 , L0027066 ,
L0027072	L0027067 , L0027068 , L0027069 , L0027070 , L0027071 ,
	, L0027073 , L0027074 ,
L0027080	L0027075 , L0027076 , L0027077 , L0027078 , L0027079 ,
	, L0027081 , L0027082 ,
L0027088	L0027083 , L0027084 , L0027085 , L0027086 , L0027087 ,
	, L0027089 , L0027090 ,
L0027096	L0027091 , L0027092 , L0027093 , L0027094 , L0027095 ,
	, L0027097 , L0027098 ,
L0027104	L0027099 , L0027100 , L0027101 , L0027102 , L0027103 ,
	, L0027105 , L0027106 ,
L0027112	L0027107 , L0027108 , L0027109 , L0027110 , L0027111 ,
	, L0027113 , L0027114 ,
	L0027115 , L0027116 , L0027117 , L0027118 , L0027119 ,

L0027120 , L0027121 , L0027122 ,
 L0027128 , L0027129 , L0027130 , L0027131 , L0027132 , L0027133 , L0027134 , L0027135 ,
 L0027144 , L0027145 , L0027146 , L0027147 , L0027148 , L0027149 , L0027150 , L0027151 ,
 L0028061 , L0028062 , L0028063 , L0028064 , L0028065 , L0028066 , L0028067 , L0028068 ,
 L0028077 , L0028078 , L0028079 , L0028080 , L0028081 , L0028082 , L0028083 , L0028084 ,
 L0028093 , L0028094 , L0028095 , L0028096 , L0028097 , L0028098 , L0028099 , L0028100 ,
 L0028109 , L0028110 , L0028111 , L0028112 , L0028113 , L0028114 , L0028115 , L0028116 ,

L0028117 , L0028118 , L0028119 ,
 *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0028125	L0028120 , L0028126	, L0028121 , L0028127	, L0028122 ,	, L0028123	, L0028124	,
L0028133	L0028128 , L0028134	, L0028129 , L0028135	, L0028130 ,	, L0028131	, L0028132	,
L0028141	L0028136 , L0028142	, L0028137 , L0028143	, L0028138 ,	, L0028139	, L0028140	,
L0028149	L0028144 , L0028150	, L0028145 , L0028151	, L0028146 ,	, L0028147	, L0028148	,
L0028157	L0028152 , L0028158	, L0028153 , L0028159	, L0028154 ,	, L0028155	, L0028156	,
L0028165	L0028160 , L0028166	, L0028161 , L0028167	, L0028162 ,	, L0028163	, L0028164	,
L0028173	L0028168 , L0028174	, L0028169 , L0028175	, L0028170 ,	, L0028171	, L0028172	,
L0028181	L0028176 , L0028182	, L0028177 , L0028183	, L0028178 ,	, L0028179	, L0028180	,
L0028189	L0028184 , L0028190	, L0028185 , L0028191	, L0028186 ,	, L0028187	, L0028188	,
L0028197	L0028192 , L0028198	, L0028193 , L0028199	, L0028194 ,	, L0028195	, L0028196	,
L0028205	L0028200 , L0028206	, L0028201 , L0028207	, L0028202 ,	, L0028203	, L0028204	,
L0028213	L0028208 , L0028214	, L0028209 , L0028215	, L0028210 ,	, L0028211	, L0028212	,
L0028221	L0028216 , L0028222	, L0028217 , L0028223	, L0028218 ,	, L0028219	, L0028220	,
L0028229	L0028224 , L0028230	, L0028225 , L0028231	, L0028226 ,	, L0028227	, L0028228	,
L0028237	L0028232 , L0028238	, L0028233 , L0028239	, L0028234 ,	, L0028235	, L0028236	,
L0028245	L0028240 , L0028246	, L0028241 , L0028247	, L0028242 ,	, L0028243	, L0028244	,

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L0028253      L0028248      , L0028249      , L0028250      , L0028251      , L0028252      ,
, L0028254      , L0028255      ,

L0028261      L0028256      , L0028257      , L0028258      , L0028259      , L0028260      ,
, L0028262      , L0028263      ,

L0028269      L0028264      , L0028265      , L0028266      , L0028267      , L0028268      ,
, L0028270      , L0028271      ,

L0028277      L0028272      , L0028273      , L0028274      , L0028275      , L0028276      ,
, L0028278      , L0028279      ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC *** 06/02/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0028285	L0028280	, L0028281	, L0028282	, L0028283	, L0028284	,
	, L0028286	, L0028287	,			
L0028293	L0028288	, L0028289	, L0028290	, L0028291	, L0028292	,
	, L0028294	, L0028295	,			
L0028301	L0028296	, L0028297	, L0028298	, L0028299	, L0028300	,
	, L0028302	, L0028303	,			
L0028309	L0028304	, L0028305	, L0028306	, L0028307	, L0028308	,
	, L0028310	, L0028311	,			
L0028317	L0028312	, L0028313	, L0028314	, L0028315	, L0028316	,
	, L0028318	, L0028319	,			
L0028325	L0028320	, L0028321	, L0028322	, L0028323	, L0028324	,
	, L0028326	, L0028327	,			
L0028333	L0028328	, L0028329	, L0028330	, L0028331	, L0028332	,
	, L0028334	, L0028335	,			
	L0028336	, L0028337	, L0028338	, L0028339	, L0028340	,

L0028341 , L0028342 , L0028343 ,
 L0028349 , L0028344 , L0028345 , L0028346 , L0028347 , L0028348 ,
 L0028357 , L0028350 , L0028351 , L0028352 , L0028353 , L0028354 , L0028355 , L0028356 ,
 L0028365 , L0028358 , L0028359 , L0028360 , L0028361 , L0028362 , L0028363 , L0028364 ,
 L0028373 , L0028366 , L0028367 , L0028368 , L0028369 , L0028370 , L0028371 , L0028372 ,
 L0028381 , L0028374 , L0028375 , L0028376 , L0028377 , L0028378 , L0028379 , L0028380 ,
 L0028389 , L0028382 , L0028383 , L0028384 , L0028385 , L0028386 , L0028387 , L0028388 ,
 L0028397 , L0028390 , L0028391 , L0028392 , L0028393 , L0028394 , L0028395 , L0028396 ,
 L0028405 , L0028398 , L0028399 , L0028400 , L0028401 , L0028402 , L0028403 , L0028404 ,
 L0028413 , L0028406 , L0028407 , L0028408 , L0028409 , L0028410 , L0028411 , L0028412 ,
 L0028421 , L0028414 , L0028415 , L0028416 , L0028417 , L0028418 , L0028419 , L0028420 ,
 L0028429 , L0028422 , L0028423 , L0028424 , L0028425 , L0028426 , L0028427 , L0028428 ,
 L0028437 , L0028430 , L0028431 , L0028432 , L0028433 , L0028434 , L0028435 , L0028436 ,

*** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0028445	L0028440 , L0028446	, L0028441 , L0028447	, L0028442 ,	, L0028443	, L0028444	,
L0028453	L0028448 , L0028454	, L0028449 , L0028455	, L0028450 ,	, L0028451	, L0028452	,
L0028461	L0028456 , L0028462	, L0028457 , L0028463	, L0028458 ,	, L0028459	, L0028460	,
L0028469	L0028464 , L0028470	, L0028465 , L0028471	, L0028466 ,	, L0028467	, L0028468	,
L0028477	L0028472 , L0028478	, L0028473 , L0028479	, L0028474 ,	, L0028475	, L0028476	,
L0028485	L0028480 , L0028486	, L0028481 , L0028487	, L0028482 ,	, L0028483	, L0028484	,
L0028493	L0028488 , L0028494	, L0028489 , L0028495	, L0028490 ,	, L0028491	, L0028492	,
L0028501	L0028496 , L0028502	, L0028497 , L0028503	, L0028498 ,	, L0028499	, L0028500	,
L0028509	L0028504 , L0028510	, L0028505 , L0028511	, L0028506 ,	, L0028507	, L0028508	,
L0028517	L0028512 , L0028518	, L0028513 , L0028519	, L0028514 ,	, L0028515	, L0028516	,
L0028525	L0028520 , L0028526	, L0028521 , L0028527	, L0028522 ,	, L0028523	, L0028524	,
L0028533	L0028528 , L0028534	, L0028529 , L0028535	, L0028530 ,	, L0028531	, L0028532	,
L0028541	L0028536 , L0028542	, L0028537 , L0028543	, L0028538 ,	, L0028539	, L0028540	,
L0028549	L0028544 , L0028550	, L0028545 , L0028551	, L0028546 ,	, L0028547	, L0028548	,
L0028557	L0028552 , L0028558	, L0028553 , L0028559	, L0028554 ,	, L0028555	, L0028556	,
L0028565	L0028560 , L0028566	, L0028561 , L0028567	, L0028562 ,	, L0028563	, L0028564	,

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L0028573      L0028568      , L0028569      , L0028570      , L0028571      , L0028572      ,
              , L0028574      , L0028575      ,
L0028581      L0028576      , L0028577      , L0028578      , L0028579      , L0028580      ,
              , L0028582      , L0028583      ,
L0028589      L0028584      , L0028585      , L0028586      , L0028587      , L0028588      ,
              , L0028590      , L0028591      ,
L0028597      L0028592      , L0028593      , L0028594      , L0028595      , L0028596      ,
              , L0028598      , L0028599      ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC          ***          06/02/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0028605	L0028600	, L0028601	, L0028602	, L0028603	, L0028604	,
	, L0028606	, L0028607	,			
L0028613	L0028608	, L0028609	, L0028610	, L0028611	, L0028612	,
	, L0028614	, L0028615	,			
L0028621	L0028616	, L0028617	, L0028618	, L0028619	, L0028620	,
	, L0028622	, L0028623	,			
L0028629	L0028624	, L0028625	, L0028626	, L0028627	, L0028628	,
	, L0028630	, L0028631	,			
L0028637	L0028632	, L0028633	, L0028634	, L0028635	, L0028636	,
	, L0028638	, L0028639	,			
L0028645	L0028640	, L0028641	, L0028642	, L0028643	, L0028644	,
	, L0028646	, L0028647	,			
L0028653	L0028648	, L0028649	, L0028650	, L0028651	, L0028652	,
	, L0028654	, L0028655	,			
	L0028656	, L0028657	, L0028658	, L0028659	, L0028660	,

L0028661 , L0028662 , L0028663 ,
 L0028669 , L0028664 , L0028665 , L0028666 , L0028667 , L0028668 ,
 L0028677 , L0028670 , L0028671 , L0028672 , L0028673 , L0028674 , L0028675 , L0028676 ,
 L0028685 , L0028678 , L0028679 , L0028680 , L0028681 , L0028682 , L0028683 , L0028684 ,
 L0028693 , L0028686 , L0028687 , L0028688 , L0028689 , L0028690 , L0028691 , L0028692 ,
 L0028701 , L0028694 , L0028695 , L0028696 , L0028697 , L0028698 , L0028699 , L0028700 ,
 L0028709 , L0028702 , L0028703 , L0028704 , L0028705 , L0028706 , L0028707 , L0028708 ,
 L0028717 , L0028710 , L0028711 , L0028712 , L0028713 , L0028714 , L0028715 , L0028716 ,
 L0028725 , L0028718 , L0028719 , L0028720 , L0028721 , L0028722 , L0028723 , L0028724 ,
 L0028733 , L0028726 , L0028727 , L0028728 , L0028729 , L0028730 , L0028731 , L0028732 ,
 L0028741 , L0028734 , L0028735 , L0028736 , L0028737 , L0028738 , L0028739 , L0028740 ,
 L0028749 , L0028742 , L0028743 , L0028744 , L0028745 , L0028746 , L0028747 , L0028748 ,
 L0028757 , L0028750 , L0028751 , L0028752 , L0028753 , L0028754 , L0028755 , L0028756 ,

*** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
 HRA (REV).ISC *** 06/02/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0028765	L0028760 , L0028766	, L0028761 , L0028767	, L0028762 ,	, L0028763	, L0028764	,
L0028773	L0028768 , L0028774	, L0028769 , L0028775	, L0028770 ,	, L0028771	, L0028772	,
L0028781	L0028776 , L0028782	, L0028777 , L0028783	, L0028778 ,	, L0028779	, L0028780	,
L0028789	L0028784 , L0028790	, L0028785 , L0028791	, L0028786 ,	, L0028787	, L0028788	,
L0028797	L0028792 , L0028798	, L0028793 , L0028799	, L0028794 ,	, L0028795	, L0028796	,
L0028805	L0028800 , L0028806	, L0028801 , L0028807	, L0028802 ,	, L0028803	, L0028804	,
L0028813	L0028808 , L0028814	, L0028809 , L0028815	, L0028810 ,	, L0028811	, L0028812	,
L0028821	L0028816 , L0028822	, L0028817 , L0028823	, L0028818 ,	, L0028819	, L0028820	,
L0028829	L0028824 , L0028830	, L0028825 , L0028831	, L0028826 ,	, L0028827	, L0028828	,
L0028837	L0028832 , L0028838	, L0028833 , L0028839	, L0028834 ,	, L0028835	, L0028836	,
L0028845	L0028840 , L0028846	, L0028841 , L0028847	, L0028842 ,	, L0028843	, L0028844	,
L0028853	L0028848 , L0028854	, L0028849 , L0028855	, L0028850 ,	, L0028851	, L0028852	,
L0028861	L0028856 , L0028862	, L0028857 , L0028863	, L0028858 ,	, L0028859	, L0028860	,
L0028869	L0028864 , L0028870	, L0028865 , L0028871	, L0028866 ,	, L0028867	, L0028868	,
L0027976	L0028872 , L0027977	, L0028873 , L0027978	, L0028874 ,	, L0028875	, L0027975	,
L0027984	L0027979 , L0027985	, L0027980 , L0027986	, L0027981 ,	, L0027982	, L0027983	,

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L0027992      L0027987      , L0027988      , L0027989      , L0027990      , L0027991      ,
, L0027993      , L0027994      ,

L0028000      L0027995      , L0027996      , L0027997      , L0027998      , L0027999      ,
, L0028001      , L0028002      ,

L0028008      L0028003      , L0028004      , L0028005      , L0028006      , L0028007      ,
, L0028009      , L0028010      ,

L0028016      L0028011      , L0028012      , L0028013      , L0028014      , L0028015      ,
, L0028017      , L0028018      ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC *** 06/02/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID                                     SOURCE IDs
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L0028024      L0028019      , L0028020      , L0028021      , L0028022      , L0028023      ,
, L0028025      , L0028026      ,

L0028032      L0028027      , L0028028      , L0028029      , L0028030      , L0028031      ,
, L0028033      , L0028034      ,

L0028040      L0028035      , L0028036      , L0028037      , L0028038      , L0028039      ,
, L0028041      , L0028042      ,

L0028048      L0028043      , L0028044      , L0028045      , L0028046      , L0028047      ,
, L0028049      , L0028050      ,

L0028051      , L0028052      , L0028053      ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC *** 06/02/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----			
L0027063 L0027066	2189641. , L0027064 ,	L0027059 , L0027065	, L0027060 ,	, L0027061 ,	, L0027062 ,
L0027072	L0027067 , L0027073	, L0027068 , L0027074	, L0027069 ,	, L0027070 ,	, L0027071 ,
L0027080	L0027075 , L0027081	, L0027076 , L0027082	, L0027077 ,	, L0027078 ,	, L0027079 ,
L0027088	L0027083 , L0027089	, L0027084 , L0027090	, L0027085 ,	, L0027086 ,	, L0027087 ,
L0027096	L0027091 , L0027097	, L0027092 , L0027098	, L0027093 ,	, L0027094 ,	, L0027095 ,
L0027104	L0027099 , L0027105	, L0027100 , L0027106	, L0027101 ,	, L0027102 ,	, L0027103 ,
L0027112	L0027107 , L0027113	, L0027108 , L0027114	, L0027109 ,	, L0027110 ,	, L0027111 ,
L0027120	L0027115 , L0027121	, L0027116 , L0027122	, L0027117 ,	, L0027118 ,	, L0027119 ,
L0027128	L0027123 , L0027129	, L0027124 , L0027130	, L0027125 ,	, L0027126 ,	, L0027127 ,
L0027136	L0027131 , L0027137	, L0027132 , L0027138	, L0027133 ,	, L0027134 ,	, L0027135 ,
L0027144	L0027139 , L0027145	, L0027140 , L0027146	, L0027141 ,	, L0027142 ,	, L0027143 ,
L0027152	L0027147 , L0028054	, L0027148 , L0028055	, L0027149 ,	, L0027150 ,	, L0027151 ,
L0028061	L0028056 , L0028062	, L0028057 , L0028063	, L0028058 ,	, L0028059 ,	, L0028060 ,
L0028069	L0028064 , L0028070	, L0028065 , L0028071	, L0028066 ,	, L0028067 ,	, L0028068 ,

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L0028077    L0028072 , L0028073 , L0028074 , L0028075 , L0028076 ,
            , L0028078 , L0028079 ,
L0028085    L0028080 , L0028081 , L0028082 , L0028083 , L0028084 ,
            , L0028086 , L0028087 ,
L0028093    L0028088 , L0028089 , L0028090 , L0028091 , L0028092 ,
            , L0028094 , L0028095 ,
L0028101    L0028096 , L0028097 , L0028098 , L0028099 , L0028100 ,
            , L0028102 , L0028103 ,
L0028109    L0028104 , L0028105 , L0028106 , L0028107 , L0028108 ,
            , L0028110 , L0028111 ,
L0028117    L0028112 , L0028113 , L0028114 , L0028115 , L0028116 ,
            , L0028118 , L0028119 ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0028125	L0028120 , L0028126	L0028121 , L0028122 , L0028123 , L0028124 , L0028127
L0028133	L0028128 , L0028134	L0028129 , L0028130 , L0028131 , L0028132 , L0028135
L0028141	L0028136 , L0028142	L0028137 , L0028138 , L0028139 , L0028140 , L0028143
L0028149	L0028144 , L0028150	L0028145 , L0028146 , L0028147 , L0028148 , L0028151
L0028157	L0028152 , L0028158	L0028153 , L0028154 , L0028155 , L0028156 , L0028159
L0028165	L0028160 , L0028166	L0028161 , L0028162 , L0028163 , L0028164 , L0028167

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----				
L0028285	L0028280 , L0028286	, L0028281 , L0028287	, L0028282 ,	, L0028283	, L0028284 ,	
L0028293	L0028288 , L0028294	, L0028289 , L0028295	, L0028290 ,	, L0028291	, L0028292 ,	
L0028301	L0028296 , L0028302	, L0028297 , L0028303	, L0028298 ,	, L0028299	, L0028300 ,	
L0028309	L0028304 , L0028310	, L0028305 , L0028311	, L0028306 ,	, L0028307	, L0028308 ,	
L0028317	L0028312 , L0028318	, L0028313 , L0028319	, L0028314 ,	, L0028315	, L0028316 ,	
L0028325	L0028320 , L0028326	, L0028321 , L0028327	, L0028322 ,	, L0028323	, L0028324 ,	
L0028333	L0028328 , L0028334	, L0028329 , L0028335	, L0028330 ,	, L0028331	, L0028332 ,	
L0028341	L0028336 , L0028342	, L0028337 , L0028343	, L0028338 ,	, L0028339	, L0028340 ,	
L0028349	L0028344 , L0028350	, L0028345 , L0028351	, L0028346 ,	, L0028347	, L0028348 ,	
L0028357	L0028352 , L0028358	, L0028353 , L0028359	, L0028354 ,	, L0028355	, L0028356 ,	
L0028365	L0028360 , L0028366	, L0028361 , L0028367	, L0028362 ,	, L0028363	, L0028364 ,	
L0028373	L0028368 , L0028374	, L0028369 , L0028375	, L0028370 ,	, L0028371	, L0028372 ,	
L0028381	L0028376 , L0028382	, L0028377 , L0028383	, L0028378 ,	, L0028379	, L0028380 ,	
L0028389	L0028384 , L0028390	, L0028385 , L0028391	, L0028386 ,	, L0028387	, L0028388 ,	

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L0028397    L0028392 , L0028393 , L0028394 , L0028395 , L0028396 ,
            , L0028398 , L0028399 ,
L0028405    L0028400 , L0028401 , L0028402 , L0028403 , L0028404 ,
            , L0028406 , L0028407 ,
L0028413    L0028408 , L0028409 , L0028410 , L0028411 , L0028412 ,
            , L0028414 , L0028415 ,
L0028421    L0028416 , L0028417 , L0028418 , L0028419 , L0028420 ,
            , L0028422 , L0028423 ,
L0028429    L0028424 , L0028425 , L0028426 , L0028427 , L0028428 ,
            , L0028430 , L0028431 ,
L0028437    L0028432 , L0028433 , L0028434 , L0028435 , L0028436 ,
            , L0028438 , L0028439 ,
^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC          ***          06/02/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0028445	L0028440 , L0028446	L0028441 , L0028442 , L0028443 , L0028444 , L0028447
L0028453	L0028448 , L0028454	L0028449 , L0028450 , L0028451 , L0028452 , L0028455
L0028461	L0028456 , L0028462	L0028457 , L0028458 , L0028459 , L0028460 , L0028463
L0028469	L0028464 , L0028470	L0028465 , L0028466 , L0028467 , L0028468 , L0028471
L0028477	L0028472 , L0028478	L0028473 , L0028474 , L0028475 , L0028476 , L0028479
L0028485	L0028480 , L0028486	L0028481 , L0028482 , L0028483 , L0028484 , L0028487

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0028605	L0028600 , L0028606	, L0028601 , L0028607	, L0028602 ,	, L0028603	, L0028604	,	
L0028613	L0028608 , L0028614	, L0028609 , L0028615	, L0028610 ,	, L0028611	, L0028612	,	
L0028621	L0028616 , L0028622	, L0028617 , L0028623	, L0028618 ,	, L0028619	, L0028620	,	
L0028629	L0028624 , L0028630	, L0028625 , L0028631	, L0028626 ,	, L0028627	, L0028628	,	
L0028637	L0028632 , L0028638	, L0028633 , L0028639	, L0028634 ,	, L0028635	, L0028636	,	
L0028645	L0028640 , L0028646	, L0028641 , L0028647	, L0028642 ,	, L0028643	, L0028644	,	
L0028653	L0028648 , L0028654	, L0028649 , L0028655	, L0028650 ,	, L0028651	, L0028652	,	
L0028661	L0028656 , L0028662	, L0028657 , L0028663	, L0028658 ,	, L0028659	, L0028660	,	
L0028669	L0028664 , L0028670	, L0028665 , L0028671	, L0028666 ,	, L0028667	, L0028668	,	
L0028677	L0028672 , L0028678	, L0028673 , L0028679	, L0028674 ,	, L0028675	, L0028676	,	
L0028685	L0028680 , L0028686	, L0028681 , L0028687	, L0028682 ,	, L0028683	, L0028684	,	
L0028693	L0028688 , L0028694	, L0028689 , L0028695	, L0028690 ,	, L0028691	, L0028692	,	
L0028701	L0028696 , L0028702	, L0028697 , L0028703	, L0028698 ,	, L0028699	, L0028700	,	
L0028709	L0028704 , L0028710	, L0028705 , L0028711	, L0028706 ,	, L0028707	, L0028708	,	

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L0028717    L0028712    , L0028713    , L0028714    , L0028715    , L0028716    ,
            , L0028718    , L0028719    ,
L0028725    L0028720    , L0028721    , L0028722    , L0028723    , L0028724    ,
            , L0028726    , L0028727    ,
L0028733    L0028728    , L0028729    , L0028730    , L0028731    , L0028732    ,
            , L0028734    , L0028735    ,
L0028741    L0028736    , L0028737    , L0028738    , L0028739    , L0028740    ,
            , L0028742    , L0028743    ,
L0028749    L0028744    , L0028745    , L0028746    , L0028747    , L0028748    ,
            , L0028750    , L0028751    ,
L0028757    L0028752    , L0028753    , L0028754    , L0028755    , L0028756    ,
            , L0028758    , L0028759    ,
^ *** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0028765	L0028760 , L0028766	L0028761 , L0028762 , L0028763 , L0028764 , L0028767
L0028773	L0028768 , L0028774	L0028769 , L0028770 , L0028771 , L0028772 , L0028775
L0028781	L0028776 , L0028782	L0028777 , L0028778 , L0028779 , L0028780 , L0028783
L0028789	L0028784 , L0028790	L0028785 , L0028786 , L0028787 , L0028788 , L0028791
L0028797	L0028792 , L0028798	L0028793 , L0028794 , L0028795 , L0028796 , L0028799
L0028805	L0028800 , L0028806	L0028801 , L0028802 , L0028803 , L0028804 , L0028807

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0028024	L0028019 , L0028025	, L0028020 , L0028026	, L0028021 ,	L0028022 ,	L0028023 ,		
L0028032	L0028027 , L0028033	, L0028028 , L0028034	, L0028029 ,	L0028030 ,	L0028031 ,		
L0028040	L0028035 , L0028041	, L0028036 , L0028042	, L0028037 ,	L0028038 ,	L0028039 ,		
L0028048	L0028043 , L0028049	, L0028044 , L0028050	, L0028045 ,	L0028046 ,	L0028047 ,		
	L0028051 ,	L0028052 ,	L0028053 ,				
▲	*** AERMOD - VERSION 19191 ***	***	***	C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728 HRA (REV).ISC			
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(476583.8, 3742892.9, 475.3, 475.3, 0.0);	(476770.7, 3742541.0, 476.2, 540.0, 0.0);
(476749.2, 3742524.7, 477.4, 560.0, 0.0);	(476633.4, 3742530.8, 481.1, 560.0, 0.0);
(476578.9, 3742651.7, 479.9, 479.9, 0.0);	(476578.8, 3742712.9, 478.0, 478.0, 0.0);
(476585.0, 3742823.0, 476.2, 476.2, 0.0);	(476651.9, 3742986.9, 471.2, 471.2, 0.0);
(476650.4, 3743000.1, 471.0, 471.0, 0.0);	(476996.4, 3742543.6, 466.4, 502.0, 0.0);
(477011.3, 3742542.5, 465.9, 465.9, 0.0);	(476997.8, 3742512.2, 466.4, 502.0, 0.0);
(477015.7, 3742910.4, 461.8, 461.8, 0.0);	(477043.5, 3742800.9, 461.9, 461.9, 0.0);
(476875.8, 3742992.0, 463.5, 463.5, 0.0);	(476756.6, 3742987.5, 466.4, 466.4, 0.0);
(477027.0, 3743316.6, 460.0, 460.0, 0.0);	(477140.8, 3743316.6, 460.0, 460.0, 0.0);

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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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0027059 , L0027060 , L0027061 , L0027062 , L0027063 , L0027064 , L0027065 , L0027066 , L0027067 , L0027068 , L0027069 , L0027070 , L0027071 , L0027072 , L0027073 , L0027074 , L0027075 , L0027076 , L0027077 , L0027078 , L0027079 , L0027080 , L0027081 , L0027082 , L0027083 , L0027084 , L0027085 , L0027086 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

Table with 4 columns: X-COORD (M), Y-COORD (M), CONC, X-COORD (M). Rows contain coordinate pairs and concentration values for various receptor points.

477032.82	3743423.15	0.00051	476579.67
3742987.41	0.00043		
476386.97	3744536.11	0.00029	476411.38
3744611.55	0.00054		
476399.17	3744498.39	0.00023	476480.16
3744465.11	0.00030		
477081.31	3744230.11	0.00014	477346.47
3744272.27	0.00011		
477135.67	3744345.49	0.00012	477064.67
3744364.35	0.00012		
477152.32	3744278.93	0.00013	477146.77
3744090.32	0.00015		
477253.27	3743939.44	0.00017	476761.80
3744150.23	0.00040		
477085.52	3742802.40	0.00763	477299.80
3742680.13	0.00322		
477289.78	3742720.77	0.00296	477478.34
3742367.14	0.00099		
478110.17	3742331.17	0.00021	478051.30
3742310.49	0.00023		
477990.04	3742806.87	0.00027	477990.04
3742758.01	0.00028		
477988.88	3742912.75	0.00025	477261.11
3742799.30	0.00263		
476807.60	3744064.08	0.00030	476638.06
3744105.32	0.00024		
476631.44	3744087.94	0.00023	

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^ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
HRA (REV).ISC                      ***   06/02/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

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

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	

ALL 1ST HIGHEST VALUE IS 0.00856 AT (477011.34, 3742542.53,
 465.95, 465.95, 0.00) DC
 2ND HIGHEST VALUE IS 0.00822 AT (476996.38, 3742543.62,
 466.45, 502.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.00783 AT (477043.53, 3742800.95,
 461.94, 461.94, 0.00) DC
 4TH HIGHEST VALUE IS 0.00763 AT (477085.52, 3742802.40,
 461.22, 461.22, 0.00) DC
 5TH HIGHEST VALUE IS 0.00473 AT (476997.84, 3742512.23,
 466.40, 502.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.00322 AT (477299.80, 3742680.13,
 457.00, 457.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.00296 AT (477289.78, 3742720.77,
 457.00, 457.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.00263 AT (477261.11, 3742799.30,
 457.00, 457.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.00233 AT (477015.68, 3742910.39,
 461.81, 461.81, 0.00) DC
 10TH HIGHEST VALUE IS 0.00108 AT (476875.80, 3742991.99,
 463.54, 463.54, 0.00) DC

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

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\12728 HRA (REV)\12728
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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 2244 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 2244 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:
14010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:
2 year gap

*** AERMOD Finishes Successfully ***

**AVERAGE EMISSION FACTOR
RIVERSIDE 2021**

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

Speed	Weighted Average Emissions
0	0.14138
5	0.09518
25	0.03871

Emission Rates - 2021 Emission Factors

RIVERSIDE 2021						
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	75			0.1414	2.63	3.048E-05
On-Site Travel	149	60.21	0.0952		5.73	6.633E-05
Off-Site Travel 50% Outbound Driveway 1 to Placentia	37	16.95	0.0387		0.66	7.595E-06
Off-Site Travel 10% Outbound Dwy 1 to Ramona Expressway	7	14.07	0.0387		0.54	6.305E-06
Off-Site Travel 10% Inbound Dwy 3. from Ramona Expressway	7	11.87	0.0387		0.46	5.320E-06
Off-Site Travel 90% Inbound Dwy 1. from Placentia	67	30.06	0.0387		1.16	1.347E-05
Off-Site Travel 40% Outbound Dwy 3. to Placentia	30	12.52	0.0387		0.48	5.608E-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_	season_m	sub_area	vehicle_class	fuel	temperatu	relative_hi	process	speed_tim	pollutant	emission_rate
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.090872
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.039446
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.082192
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.029025
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.204727
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.078292
2021	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.022237
2021	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.788627
2021	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.243579

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: RIVERSIDE

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

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

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

APPENDIX 2.2:
RISK CALCULATIONS

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

Source (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)
	0.00856	8.56E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.0E-06	9.4E-08	5.0E+00	1.4E-03	1.7E-03					
TOTAL					9.4E-08				1.7E-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	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)	
		0.00856			8.56E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.9E-06	2.3E-06	5.0E+00	1.4E-03	1.7E-03					
TOTAL								2.3E-06			1.7E-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)	
		0.00856			8.56E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.7E-06	2.1E-06	5.0E+00	1.4E-03	1.7E-03					
TOTAL								2.1E-06			1.7E-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)
		0.00856			8.56E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.1E-06	3.3E-07	5.0E+00	1.4E-03	1.7E-03				
TOTAL					3.3E-07				1.7E-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

0.33

** 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) 4.83

