Cajon Boulevard Warehouse

MOBILE SOURCE HEALTH RISK ASSESSMENT

COUNTY OF SAN BERNARDINO

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LIST OF ABBREVIATED TERMS

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

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EXECUTIVE SUMMARY

This report evaluated the potential mobile source health risk impacts to sensitive receptors (residents and schools) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

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

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 292 feet northeast of the Project site across Kendall Drive. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 1.25 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 0.0005, 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.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located approximately 675 feet southeast of the Project site at the Coastal Metals facility located on 19760 Cajon Boulevard. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.13 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 0.0004, 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.

School Child Exposure Scenario:

The school sites with the greatest potential exposure to Project DPM source emissions are located at the Cesar Chavez Middle School and North Verdemont Elementary School located approximately 3,112 feet and 3,181 feet northeast of the Project site, respectively. At both locations the maximally exposed individual school child (MEISC) would be exposed to an incremental cancer risk impact of 0.04 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same locations were estimated to be 0.00008 which would not exceed the applicable threshold of 1.0. Any other schools in the vicinity of the Project 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 adjacent school children.

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

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	1.25	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.13	10	NO
9 Year Exposure	Maximum Exposed School Child	0.04	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.0005	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.0004	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.00008	1.0	NO

1 INTRODUCTION

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

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to 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* (2). In this report the AQMD clearly states (Page D-3):

"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed Cajon Boulevard Warehouse Project is located on Cajon Boulevard between Kendall Drive and Shelter Way in unincorporated County of San Bernardino, as shown on Exhibit 1-A. The Project site is located roughly 50 feet south of existing Atchison, Topeka and Santa Fe (AT & SF) and Union Pacific (UP) railroad lines, and approximately 715 feet southwest of Interstate 215 (I-215). The Project site is currently vacant, with existing industrial uses located south and southeast of the site. Existing sensitive receptors, such as residential homes, a church, and a park use are located east and southeast of the Project site.

1.2 PROJECT DESCRIPTION

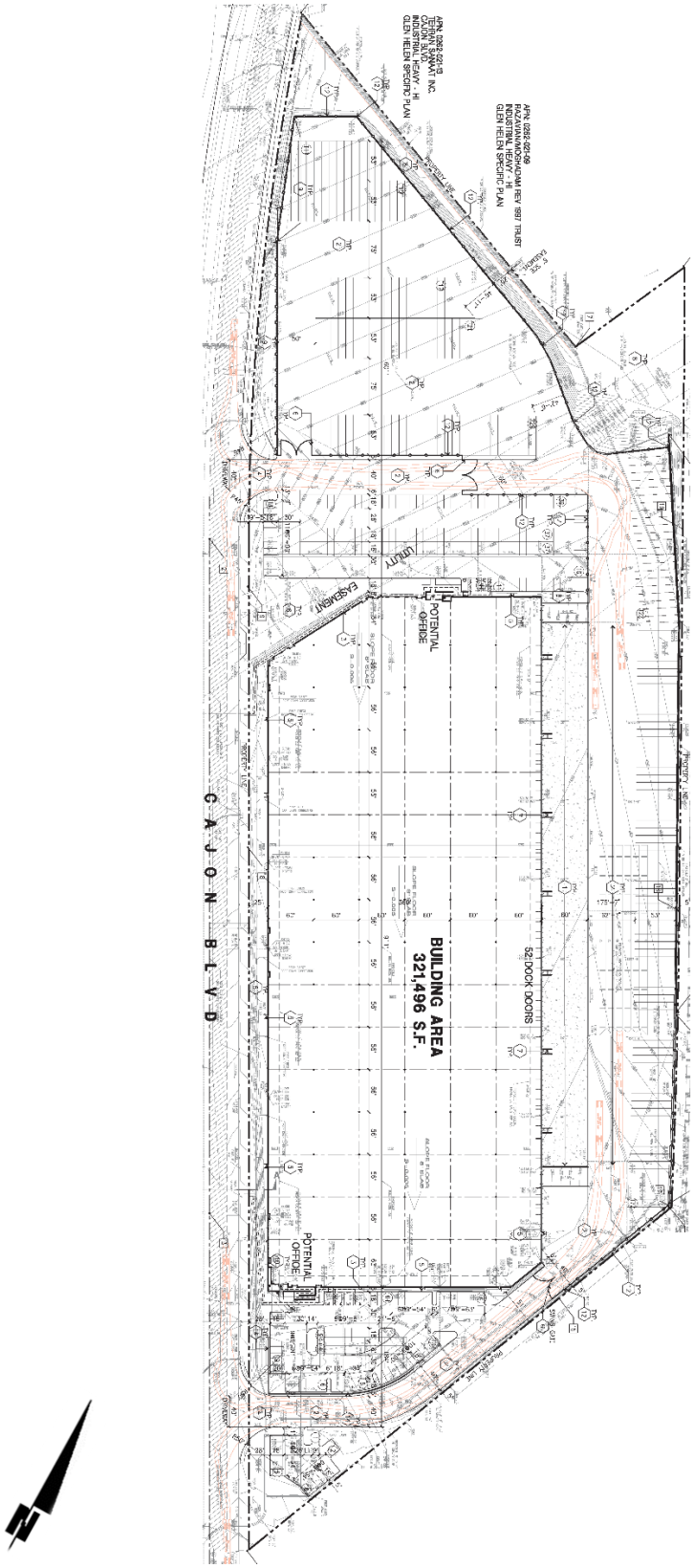
The proposed Project consist a single 321,496 square foot warehouse building, as shown on Exhibit 1-B. For the purposes of this analysis, it has been assumed that the Project will be developed in one phase with an anticipated Opening Year of 2019.

As part of the Project's design, all on-site indoor and outdoor cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by non-combustion engines (e.g. electric). Since there are no exhaust emissions associated with the equipment, for purposes of the Project, emissions associated with yard trucks and forklifts are not included in the emissions totals.

Per the *Cajon Boulevard Warehouse Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a net total of approximately 560 trip-ends per day (actual vehicles). (3) The net Project trip generation includes 112 truck trip-ends per day from the proposed buildings within the Project site. This study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips to the surrounding area.

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN



2 BACKGROUND

2.1 REGULATORY SETTING

ARB estimates that the average Californian is exposed to 1.2-1.8 µg/m^3 of DPM annually, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (4).

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

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM.
- The risk estimates assume sensitive receptors will be subject to DPM for 24 hours a day, 350 days a year.
- 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.[1] 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 10µm in diameter (PM_{10}) generated with the 2014 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2014, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2014. Emission factors calculated using EMFAC 2014 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and

[1] 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.

corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

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

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2019 EMFAC 2014 run was conducted and a static 2019 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2019 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would incorporated after 2019. Additionally, based on EMFAC2014, Light-Heavy-Duty Trucks comprise of 41.31% diesel, Medium-Heavy-Duty Trucks comprise of 86.9% diesel, and Heavy-Heavy-Duty Trucks comprise of 99.14% 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):

$Emissions_{speedA}$ (g/s) = $EF_{RunExhaust}$ (g/VMT) * Distance (VMT/trip) * Number of Trips (trips/day) / seconds per day

Where:

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

$EF_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (5):

$Emissions_{idle}$ (g/s) = EF_{idle} (g/hr) * Number of Trips (trips/day) * Idling Time (min/trip) *

60 minutes per hour / seconds per day

Where:

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

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

TABLE 2-1: 2019 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.12434 (g/idle-hr)
5	0.07780 (g/s)
25	0.03550 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix "2.1". The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeled truck travel routes included in the HRA are based on the truck trip distributions (inbound and outbound) available from the Project's Traffic Impact Analysis (TIA) (3). The modeled truck route is consistent with the trip distribution patterns identified in the Project's traffic study is supported by substantial evidence and was modeled to determine the potential impacts to sensitive receptors along the primary truck routes. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for approximately 0.1 mile to 1.44 miles. This modeling domain is consistent with and more conservative than using only a ¼ mile modeling domain which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a ¼ mile of the primary source of emissions (in the case of the Project this is the on-site idling, travel, and on-site equipment), additional detail on the justification for the modeling domain can be found in Section 2.7 of this report.

On-site truck idling was estimated to occur as trucks enter and travel through the 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.

EXHIBIT 2-A: MODELED EMISSION SOURCES

Per the *Cajon Boulevard Warehouse Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a net total of approximately 560 trip-ends per day (actual vehicles (3)). The net Project trip generation includes 112 truck trip-ends per day from the proposed buildings within the Project site. This study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips to the surrounding area.

The vehicle fleet mix, in terms of actual trucks, as derived from the traffic study for the Project is comprised of the following: 16.7% Light-Heavy-Duty (LHD), 20.7% Medium-Heavy-Duty (MHD), 62.6% Heavy-Heavy-Duty (HHD).

2.3 EXPOSURE QUANTIFICATION

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

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

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2019 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling	56			0.1243	1.74	2.015E-05
On-Site Travel	112	44.25	0.0778		3.44	3.985E-05
Off-Site Travel 70% Dwy 2	78	113.22	0.0355		4.02	4.652E-05
Off-Site Travel 30% Dwy 2	34	38.76	0.0355		1.38	1.592E-05
Off-Site Travel 50% I-215N	56	34.36	0.0355		1.22	1.412E-05
Off-Site Travel 50% I-215S	56	36.65	0.0355		1.30	1.506E-05

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

[b] Emission rates determined using EMFAC 2014. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

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

SCAQMD required model parameters are presented in Table 2-3 (7). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Fontana monitoring station (SRA 34) was used to represent local weather conditions and prevailing winds (8).

TABLE 2-3: AERMOD MODEL PARAMETERS

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

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

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

Receptors may be placed at applicable structure locations for residential and worker property and not the necessarily the boundaries of these uses. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residential and worker over a period of 30 or 25 years of exposure respectively. As such, even though it is unlikely to occur in practical terms (because the amount of time spent indoors), this study assumes that a resident or worker would be exposed over a long-period of time for 12 or 24-hours per day at the structure they reside or work.

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

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-4, 2-5, and 2-6 summarize the Exposure Parameters for Residents, School, and Offsite Worker scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

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

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	1	350	24
0 to 2	1090	10	2	1	350	24
2 to 16	572	3	14	1	365	24
16 to 30	261	1	14	0.73	365	24

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

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

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)
4 to 13	572	3	9	180	12

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

2.4 CARCINOGENIC CHEMICAL RISK

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

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer

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

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

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

Where:

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

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

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

A = inhalation absorption factor

EF = exposure frequency (days/365 days)

BW = body weight (kg)

1×10^{-6} = conversion factors (ug to mg, L to m3)

$$RISKair = DOSEair \times CPF \times ED/AT$$

Where:

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

CPF = cancer potency factor

ED = number of years within particular age group

AT = averaging time

2.5 NON-CARCINOGENIC EXPOSURES

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

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

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

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

Where:

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

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

REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

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

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS[2]

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 292 feet northeast of the Project site across Kendall Drive. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 1.25 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 0.0005, 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. The nearest modeled receptors are illustrated on Exhibit 2-B.

2 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.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located approximately 675 feet southeast of the Project site at the Coastal Metals facility located on 19760 Cajon Boulevard. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.13 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 0.0004, 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. The nearest modeled receptors are illustrated on Exhibit 2-B.

School Child Exposure Scenario:

The school sites with the greatest potential exposure to Project DPM source emissions are located at the Cesar Chavez Middle School and North Verdemont Elementary School located approximately 3,112 feet and 3,181 feet northeast of the Project site, respectively. At both locations the maximally exposed individual school child (MEISC) would be exposed to an incremental cancer risk impact of 0.04 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same locations were estimated to be 0.00008 which would not exceed the applicable threshold of 1.0. Any other schools in the vicinity of the Project 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 adjacent school children. The nearest modeled receptors are illustrated on Exhibit 2-B.

EXHIBIT 2-B: MODELED RECEPTORS

LEGEND:

- Residential Receptor (R1)
- Maximally Exposed Individual Residential Receptor
- School Receptor (R1)
- Maximally Exposed Individual School Child
- Worker Receptor (R1)
- Maximally Exposed Individual Worker

2.7 CEQA REQUIREMENTS FOR ADDRESSING CUMULATIVE IMPACTS

As a first step in determining a cumulative threshold for cumulative toxic air contaminant impacts, the applicable provisions of CEQA were reviewed. Excerpts from CEQA and the CEQA Guidelines regarding cumulative impacts are provided below.

In defining what may constitute a significant effect on the environment, CEQA 21083(b)(2) lists the following conditions for cumulative impacts:

> *The possible effects of a project are individually limited but cumulatively considerable. As used in this paragraph, "cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.*

CEQA Guidelines 15064(h) provides guidance for determining the significance of environmental effects caused by the project. The following subsections provide guidance specifically addressed at cumulative impacts.

(1) When assessing whether a cumulative effect requires an EIR, the lead agency shall consider whether the cumulative impact is significant and whether the effects of the project are cumulatively considerable. An EIR must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

(2) A lead agency may determine in an initial study that a project's contribution to a significant cumulative impact will be rendered less than cumulatively considerable and thus is not significant. When a project might contribute to a significant cumulative impact, but the contribution will be rendered less than cumulatively considerable through mitigation measures set forth in a mitigated negative declaration, the initial study shall briefly indicate and explain how the contribution has been rendered less than cumulatively considerable.

(3) A lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located. Such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. When relying on a plan, regulation or program, the lead agency should explain how implementing the particular requirements in the plan,

regulation or program ensure that the project's incremental contribution to the cumulative effect is not cumulatively considerable. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding that the project complies with the specified plan or mitigation program addressing the cumulative problem, an EIR must be prepared for the project.

(4) The mere existence of significant cumulative impacts caused by other projects alone shall not constitute substantial evidence that the proposed project's incremental effects are cumulatively considerable.

CEQA Guidelines 15130 provides guidance for discussing cumulative impact in an EIR. The following excerpts apply:

(a) An EIR shall discuss cumulative impacts of a project when the project's incremental effect is cumulatively considerable, as defined in section 15065 (a)(3). Where a lead agency is examining a project with an incremental effect that is not "cumulatively considerable," a lead agency need not consider that effect significant, but shall briefly describe its basis for concluding that the incremental effect is not cumulatively considerable.

(1) As defined in Section 15355, a cumulative impact consists of an impact which is created as a result of the combination of the project evaluated in the EIR together with other projects causing related impacts. An EIR should not discuss impacts which do not result in part from the project evaluated in the EIR.

(2) When the combined cumulative impact associated with the project's incremental effect and the effects of other projects is not significant, the EIR shall briefly indicate why the cumulative impact is not significant and is not discussed in further detail in the EIR. A lead agency shall identify facts and analysis supporting the lead agency's conclusion that the cumulative impact is less than significant.

(b) The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, but the discussion need not provide as great detail as is provided for the effects attributable to the project alone. The discussion should be guided by standards of practicality and reasonableness, and should focus on the cumulative impact to which the identified other projects contribute rather than the attributes of other projects which do not contribute to the cumulative impact. The following elements are necessary to an adequate discussion of significant cumulative impacts:

(1) Either:

(A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or

> *(B) A summary of projections contained in an adopted local, regional or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect….*
>
> *(2) When utilizing a list, as suggested in paragraph (1) of subdivision (b), factors to consider when determining whether to include a related project should include the nature of each environmental resource being examined, the location of the project and its type. Location may be important, for example, when water quality impacts are at issue since projects outside the watershed would probably not contribute to a cumulative effect. Project type may be important, for example, when the impact is specialized, such as a particular air pollutant or mode of traffic.*
>
> *(3) Lead agencies should define the geographic scope of the area affected by the cumulative effect and provide a reasonable explanation for the geographic limitation used.*
>
> *(4) A summary of the expected environmental effects to be produced by those projects with specific reference to additional information stating where that information is available; and*
>
> *(5) A reasonable analysis of the cumulative impacts of the relevant projects. An EIR shall examine reasonable, feasible options for mitigating or avoiding the project's contribution to any significant cumulative effects.*
>
> *(c) With some projects, the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis.*

For cumulative toxic air contaminant (or "TAC") assessment, a list approach should be used to identify past and probable future projects producing related impacts. This allows for discrete sources of TAC emissions contributing to the cumulative impact to be identified. The location and geographic scope of the analysis is important for TACs due to effects of distance from the source on exposure of sensitive receptors to these pollutants.

2.8 EXISTING CONDITIONS FOR TOXIC EMISSIONS

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

AMBIENT TAC IMPACTS

The SCAQMD has conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. This study, the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV,"* shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012) (9). This is a result of uniform CEQA review, low-sulfur diesel fuel regulations, new fleets coming on line, and the imposition of clean truck access rules at the Ports of Long Beach and Los Angeles.

MATES-IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the South Coast Air Basin emissions. Therefore, MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the South Coast Air Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 536.65 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

The SCAQMD has established a significance threshold for incremental project-level TAC impacts. Specifically, if a given project would generate TACs resulting in or causing an increase in cancer risks of 10 or more incidents per million population, that project's incremental cancer risk would be considered significant. This same significance threshold (10 in one million) is applied by SCAQMD in determining whether a given project's incremental contribution to ambient TAC-source cancer risks is cumulatively considerable. The SCAQMD has not however established a significance threshold for ambient cumulative TAC impacts affecting the Basin. Likewise, the County of San Bernardino (the Lead Agency) has no adopted cumulative TAC impacts significance threshold.

Absent an established threshold for cumulative TAC impacts, the following discussion assesses whether, in the light of other available existing information, the ambient cumulative TAC-source impacts affecting the Basin and the area encompassing the Project site could be characterized as significant.

As noted previously, *MATES-IV* estimates the average ambient cumulative TAC-source cancer risk for the Basin at 400 incidents per million population; in the localized area encompassing the Project site, the risk is estimated at 536.65 incidents per million population. As noted previously, data from the SCAQMD shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012).

JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in

particulate pollution levels at 500 feet. Based on ARB and South Coast District emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is estimated at approximately 1,000 feet from a distribution center (10).

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

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

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) (11) addresses sources of hazardous air pollutants near schools. It requires new or modified sources of hazardous air emissions located within 1,000 feet from the outer boundary of a school to give public notice to the parents or guardians of children enrolled in any school located within one-quarter mile of the source and to each address within a 1,000 foot radius.

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

RELATED PROJECTS CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Consistent with Section 15130(b) of the CEQA Guidelines a list of past, present, and probable future projects producing related or cumulative impacts have been identified. In addition to the MATES-IV cumulative TAC-source cancer risk noted above, other new or proposed potential TAC-generating projects (related projects) in the Study Area could contribute to cumulative TAC impacts. These related projects, due to their recent and/or tentative nature, may not be reflected in the background TAC impacts identified in the MATES-IV study.

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

Of the cumulative projects identified in the Project's traffic study, the following cumulative projects have the potential to emit TACs and are located within the quarter-mile buffer:

- SBC2 – P201200390 – 4,298 square foot truck terminal[3]
- SBC3 – P201600586 – 40,000 square foot manufacturing use[4]

The primary TAC-source emission associated with the cumulative projects would be DPM associated with any truck trips accessing the cumulative projects and traveling on roadways in the study area. As such, the estimated health risks from these cumulative projects has been totaled. The total maximum estimated cancer risk associated with the cumulative projects identified above is estimated to be less than or equal to 20 in one million.

PROJECT MAXIMUM CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Project-source TACs would incrementally increase the background cancer risk by a maximum of 1.25 incidents per million population under all the scenarios considered in this analysis. The applicable SCAQMD significance threshold for Project-level TAC-source cancer risk impacts is 10 incidents per million population. Similarly, SCAQMD significance thresholds state that Project contributions to cumulative TAC-source cancer risks would be cumulatively considerable if greater than 10 incidents per million population would occur. The 1.25 incidents per million population increment resulting from the Project is therefore not significant, nor cumulatively considerable.

2.8.6 CUMULATIVE IMPACTS

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

As noted, the Project's maximum contribution to cumulative TAC Impacts would not be cumulatively considerable and are summarized below and on Table 2-7. As previously noted that the risk value of less than or equal to 10 in one million from related projects is likely a very conservative overstatement of the actual risk that is likely to occur at any given location. As an extremely conservative measure to overstate rather than understate the potential risk impacts this analysis assumes that the maximum impact from each related project overlaps and would occur at the same location in the Project vicinity for the receptor, worker, and school child exposure scenarios.

[3] It is presumed that the potential risk from the Project would be less than 10 in one million since the Project would be required to complete the CEQA process and it would be unlikely that this process would be completed if risks exceeded 10 in one million.

[4] It is presumed that the potential risk from the Project would be less than 10 in one million since the Project would be required to complete the CEQA process and it would be unlikely that this process would be completed if risks exceeded 10 in one million.

TABLE 2-7: CUMULATIVE CANCER RISK[5]

	Cancer Risk as Maximum Sensitive Receptor (risk in one million)			
	Existing	Project Site	Cumulative Projects	Total Cumulative Risk
Maximum Impact to All Receptors Without Project	536.65		≤20	≤556.65
Maximum Impact to Nearest Residential With Project	536.65	1.25	≤20	≤557.9
Maximum Impact to Nearest Worker With Project	536.65	0.13	≤20	≤556.78
Maximum Impact to Nearest School With Project	536.65	0.04	≤20	≤556.69
	Source: **MATES IV Carcinogenic Risk Interactive Map** (SCAQMD 2018).			

5 Although cumulative impacts typically represent a General Plan Buildout Scenario, there is no such data available for what General Plan Buildout DPM emissions impacts would be. The background risk, however, would likely overstate, rather than understate future DPM impacts and is assumed to be inclusive of future growth. It should be noted that due to improved DPM emissions control technologies and increasingly stringent DPM emissions regulations, the cancer risk incidence in the seven (7) years between the Mates III and Mates IV studies declined by approximately 50% even as population and business growth occurred throughout the region. Similar future declines in area-wide DPM source emissions are anticipated pursuant to enactment of further emissions regulations, including but not limited to anticipated greenhouse gas (GHG) reduction and control measures to be implemented by the state (see also: emissions regulatory measures discussed within Cajon Boulevard Warehouse Air Quality Impact Analysis (Urban Crossroads) 2017; and Cajon Boulevard Warehouse Greenhouse Gas Impact Analysis (Urban Crossroads) 2018.

Residential Exposure Scenario:

The greatest cumulative with Project cancer risk is ≤557.9 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 1.20 in one million which is less than the 10 in one million incremental threshold set by SCAQMD, and is therefore considered to have a less than cumulatively considerable impact. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's Residential Exposure impacts would not be cumulatively considerable.

Worker Exposure Scenario:

The greatest cumulative with Project cancer risk is ≤556.78 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 0.13 in one million which is less than the 10 in one million incremental threshold set by SCAQMD, and is therefore considered to have a less than cumulatively considerable impact. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's Worker Exposure impacts would not be cumulatively considerable.

School Child Exposure Scenario:

The greatest cumulative with Project cancer risk is ≤556.69 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 0.04 in one million which is less than the 10 in one million incremental threshold set by SCAQMD, and is therefore less than cumulatively considerable. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's School Child Exposure impacts would not be cumulatively considerable.

SUMMARY AND CONCLUSIONS

To provide context for, and quantify cumulative TAC effects within the Study Area, the Project TAC-source cancer risk, and the TAC-source cancer risks from the related projects identified herein, were added to the total background risk derived by the MATES IV study, yielding a maximum potential cumulative TAC-source risk affecting the Study Area. As indicated at Table 2-7, the maximum potential cumulative cancer risk within the Study Area is estimated at 580.09 in one million.

The MATES-IV ambient background plus related cumulative project TAC impact represents approximately 96 percent of the total cumulative impact identified at Table 2-7; and due to its magnitude when compared to project-level TAC impact significance thresholds, is presumed to be cumulatively significant. The Project would incrementally contribute to this presumably significant cumulative impact. However, the Project's maximum incremental contribution of 1.25 incidents per million population does not exceed the established SCAQMD threshold (10 incidents per million population) at which project-level TAC contributions would be determined cumulatively considerable. On this basis, the Project TAC emissions impacts are not considered cumulatively considerable.

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3 REFERENCES

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3. **Urban Crossroads, Inc.** *Cajon Boulevard Warehouse Traffic Impact Analysis.* February 2018.
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7. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf.
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9. —. Multiple Air Toxics Exposure Study III Model Estimated Carcinogenic Risk. [Online] 2012. http://www3.aqmd.gov/webappl/OI.Web/OI.aspx?jurisdictionID=AQMD.gov&shareID=73f55d6b-82cc-4c41-b779-4c48c9a8b15b.
10. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
11. **CAL HSC Code 42301.6 California Code - Section 42301.6. *Find Law.* [Online] http://codes.lp.findlaw.com/cacode/HSC/1/d26/4/4/1/s42301.6.**

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4 CERTIFICATION

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

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Master of Science in Environmental Studies
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PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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** Lakes Environmental Software Inc.
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   LOCATION L0005334     VOLUME   465193.874 3784446.790 553.00
   LOCATION L0005335     VOLUME   465200.539 3784441.371 553.00
   LOCATION L0005336     VOLUME   465207.204 3784435.952 553.00
   LOCATION L0005337     VOLUME   465213.868 3784430.532 553.00
   LOCATION L0005338     VOLUME   465220.533 3784425.113 552.93
   LOCATION L0005339     VOLUME   465227.198 3784419.694 552.58
   LOCATION L0005340     VOLUME   465233.863 3784414.274 552.32
   LOCATION L0005341     VOLUME   465239.031 3784408.019 552.14
   LOCATION L0005342     VOLUME   465240.154 3784399.502 552.03
   LOCATION L0005343     VOLUME   465241.277 3784390.986 552.00
   LOCATION L0005344     VOLUME   465242.400 3784382.470 552.00
   LOCATION L0005345     VOLUME   465243.523 3784373.954 552.00
   LOCATION L0005346     VOLUME   465243.695 3784365.386 551.97
   LOCATION L0005347     VOLUME   465243.502 3784356.798 551.75
   LOCATION L0005348     VOLUME   465243.310 3784348.210 551.52
   LOCATION L0005349     VOLUME   465243.117 3784339.622 551.30
   LOCATION L0005350     VOLUME   465242.925 3784331.034 551.19
   LOCATION L0005351     VOLUME   465242.732 3784322.446 551.12
   LOCATION L0005352     VOLUME   465242.540 3784313.859 551.06
   LOCATION L0005353     VOLUME   465242.347 3784305.271 550.96
   LOCATION L0005354     VOLUME   465242.154 3784296.683 550.68
   LOCATION L0005355     VOLUME   465241.962 3784288.095 550.39
   LOCATION L0005356     VOLUME   465241.769 3784279.507 550.11
   LOCATION L0005357     VOLUME   465237.842 3784272.398 550.00
   LOCATION L0005358     VOLUME   465232.105 3784266.004 550.00
   LOCATION L0005359     VOLUME   465226.368 3784259.611 550.00
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** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC 70% Dwy 2
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00004652
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
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   LOCATION L0005366     VOLUME   464869.678 3784500.307 559.13
   LOCATION L0005367     VOLUME   464876.162 3784494.672 558.73
   LOCATION L0005368     VOLUME   464882.645 3784489.038 558.32
   LOCATION L0005369     VOLUME   464889.129 3784483.403 558.02
   LOCATION L0005370     VOLUME   464895.613 3784477.768 557.94
   LOCATION L0005371     VOLUME   464902.096 3784472.134 557.80
   LOCATION L0005372     VOLUME   464908.788 3784466.748 557.58
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LOCATION	L0005376	VOLUME	464935.587	3784445.243	556.80
LOCATION	L0005377	VOLUME	464942.286	3784439.867	556.59
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LOCATION	L0005379	VOLUME	464955.686	3784429.115	556.07
LOCATION	L0005380	VOLUME	464962.385	3784423.739	555.96
LOCATION	L0005381	VOLUME	464969.085	3784418.363	555.83
LOCATION	L0005382	VOLUME	464975.785	3784412.987	555.61
LOCATION	L0005383	VOLUME	464982.484	3784407.611	555.38
LOCATION	L0005384	VOLUME	464989.184	3784402.235	555.20
LOCATION	L0005385	VOLUME	464995.884	3784396.859	555.02
LOCATION	L0005386	VOLUME	465002.583	3784391.482	554.88
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LOCATION	L0005388	VOLUME	465015.983	3784380.730	554.48
LOCATION	L0005389	VOLUME	465022.683	3784375.354	554.30
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LOCATION	L0005395	VOLUME	465062.775	3784342.968	553.22
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LOCATION	L0005397	VOLUME	465076.028	3784332.036	552.86
LOCATION	L0005398	VOLUME	465082.654	3784326.569	552.67
LOCATION	L0005399	VOLUME	465089.280	3784321.103	552.49
LOCATION	L0005400	VOLUME	465095.907	3784315.637	552.31
LOCATION	L0005401	VOLUME	465102.533	3784310.170	552.12
LOCATION	L0005402	VOLUME	465109.159	3784304.704	551.98
LOCATION	L0005403	VOLUME	465115.786	3784299.238	551.87
LOCATION	L0005404	VOLUME	465122.412	3784293.772	551.68
LOCATION	L0005405	VOLUME	465129.038	3784288.305	551.41
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LOCATION	L0005415	VOLUME	465195.301	3784233.642	550.00
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LOCATION	L0005417	VOLUME	465208.554	3784222.710	550.00
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LOCATION	L0005421	VOLUME	465235.059	3784200.845	549.24
LOCATION	L0005422	VOLUME	465241.685	3784195.378	549.08
LOCATION	L0005423	VOLUME	465248.311	3784189.912	549.01
LOCATION	L0005424	VOLUME	465254.938	3784184.446	548.77
LOCATION	L0005425	VOLUME	465261.564	3784178.979	548.46
LOCATION	L0005426	VOLUME	465268.190	3784173.513	548.22
LOCATION	L0005427	VOLUME	465274.817	3784168.047	548.06
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LOCATION	L0005433	VOLUME	465314.574	3784135.249	546.97
LOCATION	L0005434	VOLUME	465321.201	3784129.783	546.35
LOCATION	L0005435	VOLUME	465327.827	3784124.316	545.74
LOCATION	L0005436	VOLUME	465334.453	3784118.850	545.26
LOCATION	L0005437	VOLUME	465341.079	3784113.384	545.00
LOCATION	L0005438	VOLUME	465347.706	3784107.918	545.00
LOCATION	L0005439	VOLUME	465354.332	3784102.451	545.00

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LOCATION	L0005443	VOLUME	465380.837	3784080.586	542.97
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LOCATION	L0005449	VOLUME	465420.595	3784047.788	542.81
LOCATION	L0005450	VOLUME	465427.221	3784042.322	542.93
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LOCATION	L0005452	VOLUME	465440.474	3784031.389	542.84
LOCATION	L0005453	VOLUME	465447.100	3784025.923	542.66
LOCATION	L0005454	VOLUME	465453.726	3784020.457	542.48
LOCATION	L0005455	VOLUME	465460.353	3784014.991	542.29
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LOCATION	L0005459	VOLUME	465486.858	3783993.125	541.61
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LOCATION	L0005462	VOLUME	465506.759	3783976.753	540.46
LOCATION	L0005463	VOLUME	465513.393	3783971.297	540.18
LOCATION	L0005464	VOLUME	465520.028	3783965.841	540.00
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LOCATION	L0005466	VOLUME	465533.297	3783954.929	539.68
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LOCATION	L0005468	VOLUME	465546.567	3783944.017	539.10
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LOCATION	L0005478	VOLUME	465612.914	3783889.456	537.91
LOCATION	L0005479	VOLUME	465619.549	3783884.000	537.63
LOCATION	L0005480	VOLUME	465626.184	3783878.544	537.34
LOCATION	L0005481	VOLUME	465632.818	3783873.088	537.13
LOCATION	L0005482	VOLUME	465639.453	3783867.632	537.01
LOCATION	L0005483	VOLUME	465646.088	3783862.176	536.83
LOCATION	L0005484	VOLUME	465652.722	3783856.720	536.58
LOCATION	L0005485	VOLUME	465659.357	3783851.264	536.29
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LOCATION	L0005487	VOLUME	465672.627	3783840.351	536.00
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LOCATION	L0005489	VOLUME	465685.896	3783829.439	536.00
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LOCATION	L0005492	VOLUME	465705.800	3783813.071	535.45
LOCATION	L0005493	VOLUME	465712.435	3783807.615	535.22
LOCATION	L0005494	VOLUME	465719.070	3783802.159	535.07
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LOCATION	L0005504	VOLUME	465785.417	3783747.598	534.38
LOCATION	L0005505	VOLUME	465792.052	3783742.142	534.20
LOCATION	L0005506	VOLUME	465798.686	3783736.686	534.02

LOCATION	L0005507	VOLUME	465805.321	3783731.230	533.75
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LOCATION	L0005520	VOLUME	465886.064	3783654.329	530.27
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LOCATION	L0005573	VOLUME	466192.398	3783317.859	521.06

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   LOCATION L0005585     VOLUME   466256.053 3783236.827 518.35
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   LOCATION L0005596     VOLUME   466313.062 3783161.472 515.93
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   LOCATION L0005601     VOLUME   466338.975 3783127.220 514.70
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   LOCATION L0005604     VOLUME   466354.522 3783106.669 514.02
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   LOCATION L0005611     VOLUME   466390.801 3783058.716 512.42
   LOCATION L0005612     VOLUME   466395.983 3783051.865 512.19
   LOCATION L0005613     VOLUME   466401.166 3783045.015 512.00
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   LOCATION L0005616     VOLUME   466416.714 3783024.463 512.00
   LOCATION L0005617     VOLUME   466421.896 3783017.613 512.00
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   LOCATION L0005620     VOLUME   466437.444 3782997.061 511.36
   LOCATION L0005621     VOLUME   466442.627 3782990.211 511.13
   LOCATION L0005622     VOLUME   466447.809 3782983.361 510.91
   LOCATION L0005623     VOLUME   466452.992 3782976.510 510.68
   LOCATION L0005624     VOLUME   466458.175 3782969.660 510.45
   LOCATION L0005625     VOLUME   466463.357 3782962.809 510.22
   LOCATION L0005626     VOLUME   466468.540 3782955.959 510.00
   LOCATION L0005627     VOLUME   466473.722 3782949.108 510.00
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   LOCATION L0005629     VOLUME   466484.088 3782935.407 510.00
   LOCATION L0005630     VOLUME   466489.270 3782928.557 510.00
   LOCATION L0005631     VOLUME   466494.453 3782921.707 509.85
   LOCATION L0005632     VOLUME   466499.635 3782914.856 509.62
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC 30% Dwy 3
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
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   LOCATION L0005641     VOLUME   465258.496 3784182.453 548.61
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   LOCATION L0005643     VOLUME   465271.722 3784171.489 548.13
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   LOCATION L0005647     VOLUME   465298.174 3784149.559 547.77
   LOCATION L0005648     VOLUME   465304.787 3784144.077 547.59
   LOCATION L0005649     VOLUME   465311.400 3784138.595 547.29
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   LOCATION L0005651     VOLUME   465324.626 3784127.630 546.05
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   LOCATION L0005660     VOLUME   465384.144 3784078.289 542.90
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   LOCATION L0005665     VOLUME   465417.209 3784050.877 542.78
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   LOCATION L0005667     VOLUME   465430.435 3784039.912 543.00
   LOCATION L0005668     VOLUME   465437.048 3784034.430 542.94
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   LOCATION L0005671     VOLUME   465456.887 3784017.983 542.39
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   LOCATION L0005674     VOLUME   465476.726 3784001.536 541.91
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LOCATION	L0005692	VOLUME	465596.109	3783903.276 538.00
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LOCATION	L0005695	VOLUME	465616.013	3783886.908 537.80
LOCATION	L0005696	VOLUME	465622.648	3783881.452 537.48
LOCATION	L0005697	VOLUME	465629.282	3783875.996 537.23
LOCATION	L0005698	VOLUME	465635.917	3783870.540 537.06
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LOCATION	L0005705	VOLUME	465682.360	3783832.347 536.00
LOCATION	L0005706	VOLUME	465688.995	3783826.891 536.00
LOCATION	L0005707	VOLUME	465695.629	3783821.435 535.86
LOCATION	L0005708	VOLUME	465702.264	3783815.979 535.61
LOCATION	L0005709	VOLUME	465708.899	3783810.523 535.33
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LOCATION	L0005711	VOLUME	465722.168	3783799.611 535.03
LOCATION	L0005712	VOLUME	465728.803	3783794.155 535.00
LOCATION	L0005713	VOLUME	465735.438	3783788.699 535.00
LOCATION	L0005714	VOLUME	465742.072	3783783.243 535.00
LOCATION	L0005715	VOLUME	465748.707	3783777.787 535.00
LOCATION	L0005716	VOLUME	465755.342	3783772.330 535.00
LOCATION	L0005717	VOLUME	465761.977	3783766.874 535.00
LOCATION	L0005718	VOLUME	465768.611	3783761.418 534.84
LOCATION	L0005719	VOLUME	465775.246	3783755.962 534.66
LOCATION	L0005720	VOLUME	465781.881	3783750.506 534.48
LOCATION	L0005721	VOLUME	465788.516	3783745.050 534.30
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LOCATION	L0005724	VOLUME	465808.420	3783728.682 533.59
LOCATION	L0005725	VOLUME	465815.054	3783723.226 533.20
LOCATION	L0005726	VOLUME	465821.689	3783717.770 532.75
LOCATION	L0005727	VOLUME	465828.324	3783712.314 532.35
LOCATION	L0005728	VOLUME	465834.959	3783706.858 532.03
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LOCATION	L0005731	VOLUME	465853.011	3783688.482 531.41
LOCATION	L0005732	VOLUME	465858.985	3783682.309 531.20
LOCATION	L0005733	VOLUME	465864.959	3783676.137 531.00
LOCATION	L0005734	VOLUME	465870.932	3783669.964 530.85
LOCATION	L0005735	VOLUME	465876.906	3783663.791 530.63
LOCATION	L0005736	VOLUME	465882.880	3783657.619 530.38
LOCATION	L0005737	VOLUME	465888.854	3783651.446 530.18
LOCATION	L0005738	VOLUME	465894.828	3783645.273 530.00
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LOCATION	L0005741	VOLUME	465912.749	3783626.755 530.00
LOCATION	L0005742	VOLUME	465918.723	3783620.583 530.00
LOCATION	L0005743	VOLUME	465924.697	3783614.410 529.94
LOCATION	L0005744	VOLUME	465930.671	3783608.237 529.73
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LOCATION	L0005746	VOLUME	465942.618	3783595.892 529.32
LOCATION	L0005747	VOLUME	465948.592	3783589.719 529.12
LOCATION	L0005748	VOLUME	465954.566	3783583.547 529.00
LOCATION	L0005749	VOLUME	465960.540	3783577.374 529.00
LOCATION	L0005750	VOLUME	465966.513	3783571.201 529.00
LOCATION	L0005751	VOLUME	465972.487	3783565.029 529.03
LOCATION	L0005752	VOLUME	465978.461	3783558.856 529.03
LOCATION	L0005753	VOLUME	465984.435	3783552.683 528.88
LOCATION	L0005754	VOLUME	465990.409	3783546.511 528.68
LOCATION	L0005755	VOLUME	465996.382	3783540.338 528.47

LOCATION	L0005756	VOLUME	466002.356	3783534.165	528.29
LOCATION	L0005757	VOLUME	466008.330	3783527.993	528.08
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LOCATION	L0005771	VOLUME	466089.356	3783439.212	524.10
LOCATION	L0005772	VOLUME	466094.916	3783432.664	524.05
LOCATION	L0005773	VOLUME	466100.476	3783426.116	524.02
LOCATION	L0005774	VOLUME	466106.036	3783419.568	523.99
LOCATION	L0005775	VOLUME	466111.596	3783413.020	523.95
LOCATION	L0005776	VOLUME	466117.156	3783406.472	523.92
LOCATION	L0005777	VOLUME	466122.716	3783399.924	524.00
LOCATION	L0005778	VOLUME	466128.276	3783393.376	524.00
LOCATION	L0005779	VOLUME	466133.835	3783386.828	524.00
LOCATION	L0005780	VOLUME	466139.395	3783380.280	524.00
LOCATION	L0005781	VOLUME	466144.955	3783373.732	523.85
LOCATION	L0005782	VOLUME	466150.515	3783367.184	523.38
LOCATION	L0005783	VOLUME	466156.075	3783360.636	522.86
LOCATION	L0005784	VOLUME	466161.635	3783354.088	522.42
LOCATION	L0005785	VOLUME	466167.195	3783347.540	522.06
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LOCATION	L0005787	VOLUME	466178.315	3783334.445	521.63
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LOCATION	L0005789	VOLUME	466189.435	3783321.349	521.17
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LOCATION	L0005792	VOLUME	466206.114	3783301.705	520.52
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LOCATION	L0005794	VOLUME	466217.013	3783288.431	520.06
LOCATION	L0005795	VOLUME	466222.195	3783281.581	519.85
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LOCATION	L0005797	VOLUME	466232.560	3783267.880	519.39
LOCATION	L0005798	VOLUME	466237.743	3783261.030	519.16
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LOCATION	L0005801	VOLUME	466253.291	3783240.478	518.48
LOCATION	L0005802	VOLUME	466258.473	3783233.628	518.25
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LOCATION	L0005804	VOLUME	466268.839	3783219.927	518.00
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LOCATION	L0005807	VOLUME	466284.386	3783199.376	517.57
LOCATION	L0005808	VOLUME	466289.569	3783192.525	517.22
LOCATION	L0005809	VOLUME	466294.752	3783185.675	516.82
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LOCATION	L0005812	VOLUME	466310.300	3783165.123	515.99
LOCATION	L0005813	VOLUME	466315.482	3783158.273	515.86
LOCATION	L0005814	VOLUME	466320.665	3783151.422	515.66
LOCATION	L0005815	VOLUME	466325.847	3783144.572	515.38
LOCATION	L0005816	VOLUME	466331.030	3783137.721	515.05
LOCATION	L0005817	VOLUME	466336.213	3783130.871	514.82
LOCATION	L0005818	VOLUME	466341.395	3783124.021	514.59
LOCATION	L0005819	VOLUME	466346.578	3783117.170	514.37
LOCATION	L0005820	VOLUME	466351.760	3783110.320	514.14
LOCATION	L0005821	VOLUME	466356.943	3783103.469	513.91
LOCATION	L0005822	VOLUME	466362.126	3783096.619	513.68

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   LOCATION L0005826     VOLUME   466382.856 3783069.217 512.77
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   LOCATION L0005830     VOLUME   466403.586 3783041.815 512.00
   LOCATION L0005831     VOLUME   466408.769 3783034.965 512.00
   LOCATION L0005832     VOLUME   466413.952 3783028.114 512.00
   LOCATION L0005833     VOLUME   466419.134 3783021.264 512.00
   LOCATION L0005834     VOLUME   466424.317 3783014.413 511.94
   LOCATION L0005835     VOLUME   466429.499 3783007.563 511.71
   LOCATION L0005836     VOLUME   466434.682 3783000.712 511.48
   LOCATION L0005837     VOLUME   466439.865 3782993.862 511.26
   LOCATION L0005838     VOLUME   466445.047 3782987.012 511.03
   LOCATION L0005839     VOLUME   466450.230 3782980.161 510.80
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   LOCATION L0005841     VOLUME   466460.595 3782966.460 510.34
   LOCATION L0005842     VOLUME   466465.778 3782959.610 510.11
   LOCATION L0005843     VOLUME   466470.960 3782952.759 510.00
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** End of LINE VOLUME Source ID = SLINE4
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** Line Source Represented by Adjacent Volume Sources
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** DESCRSRC 50% to I-215N
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** Length of Side = 8.59
** Configuration = Adjacent
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** Vertical Dimension = 6.99
** SZINIT = 3.25
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   LOCATION L0005857     VOLUME   466428.780 3782869.678 509.00
   LOCATION L0005858     VOLUME   466421.001 3782866.036 508.99
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   LOCATION L0005860     VOLUME   466404.700 3782860.894 508.82
   LOCATION L0005861     VOLUME   466396.333 3782858.952 508.76
   LOCATION L0005862     VOLUME   466387.965 3782857.009 508.71
   LOCATION L0005863     VOLUME   466379.598 3782855.067 508.76
   LOCATION L0005864     VOLUME   466371.230 3782853.124 508.83
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LOCATION	L0005867	VOLUME	466345.666	3782854.940 509.00
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LOCATION	L0005869	VOLUME	466328.584	3782856.779 509.03
LOCATION	L0005870	VOLUME	466320.044	3782857.699 509.23
LOCATION	L0005871	VOLUME	466312.163	3782860.114 509.47
LOCATION	L0005872	VOLUME	466305.729	3782865.805 509.79
LOCATION	L0005873	VOLUME	466299.295	3782871.497 510.00
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LOCATION	L0005878	VOLUME	466296.339	3782911.145 510.50
LOCATION	L0005879	VOLUME	466297.324	3782919.679 510.78
LOCATION	L0005880	VOLUME	466301.133	3782927.274 510.96
LOCATION	L0005881	VOLUME	466305.449	3782934.701 510.87
LOCATION	L0005882	VOLUME	466309.765	3782942.128 510.85
LOCATION	L0005883	VOLUME	466314.081	3782949.555 510.90
LOCATION	L0005884	VOLUME	466318.396	3782956.982 511.01
LOCATION	L0005885	VOLUME	466322.712	3782964.410 511.07
LOCATION	L0005886	VOLUME	466327.028	3782971.837 511.05
LOCATION	L0005887	VOLUME	466331.344	3782979.264 511.00
LOCATION	L0005888	VOLUME	466336.970	3782985.540 511.00
LOCATION	L0005889	VOLUME	466343.778	3782990.779 511.15
LOCATION	L0005890	VOLUME	466350.586	3782996.017 511.33
LOCATION	L0005891	VOLUME	466357.393	3783001.256 511.50
LOCATION	L0005892	VOLUME	466364.201	3783006.494 511.68
LOCATION	L0005893	VOLUME	466371.009	3783011.733 511.85
LOCATION	L0005894	VOLUME	466377.817	3783016.971 512.00
LOCATION	L0005895	VOLUME	466384.624	3783022.210 512.00
LOCATION	L0005896	VOLUME	466391.432	3783027.449 512.00
LOCATION	L0005897	VOLUME	466398.240	3783032.687 512.00
LOCATION	L0005898	VOLUME	466405.047	3783037.926 512.00
LOCATION	L0005899	VOLUME	466411.855	3783043.164 512.00
LOCATION	L0005900	VOLUME	466418.663	3783048.403 512.07
LOCATION	L0005901	VOLUME	466425.471	3783053.641 512.25
LOCATION	L0005902	VOLUME	466432.278	3783058.880 512.42
LOCATION	L0005903	VOLUME	466439.086	3783064.119 512.60
LOCATION	L0005904	VOLUME	466445.894	3783069.357 512.77
LOCATION	L0005905	VOLUME	466452.702	3783074.596 512.95
LOCATION	L0005906	VOLUME	466459.509	3783079.834 513.12
LOCATION	L0005907	VOLUME	466466.317	3783085.073 513.30
LOCATION	L0005908	VOLUME	466473.125	3783090.312 513.47
LOCATION	L0005909	VOLUME	466479.933	3783095.550 513.65
LOCATION	L0005910	VOLUME	466486.740	3783100.789 513.82
LOCATION	L0005911	VOLUME	466493.548	3783106.027 513.99
LOCATION	L0005912	VOLUME	466500.356	3783111.266 514.17
LOCATION	L0005913	VOLUME	466507.164	3783116.504 514.34
LOCATION	L0005914	VOLUME	466513.971	3783121.743 514.52
LOCATION	L0005915	VOLUME	466520.779	3783126.982 514.69
LOCATION	L0005916	VOLUME	466527.587	3783132.220 514.87
LOCATION	L0005917	VOLUME	466534.395	3783137.459 515.04
LOCATION	L0005918	VOLUME	466541.202	3783142.697 515.26
LOCATION	L0005919	VOLUME	466548.010	3783147.936 515.66
LOCATION	L0005920	VOLUME	466554.818	3783153.175 516.07
LOCATION	L0005921	VOLUME	466561.626	3783158.413 516.47
LOCATION	L0005922	VOLUME	466568.433	3783163.652 516.87
LOCATION	L0005923	VOLUME	466573.521	3783170.540 517.37
LOCATION	L0005924	VOLUME	466578.472	3783177.560 517.84
LOCATION	L0005925	VOLUME	466583.423	3783184.580 518.24
LOCATION	L0005926	VOLUME	466588.374	3783191.599 518.56
LOCATION	L0005927	VOLUME	466593.325	3783198.619 518.78
LOCATION	L0005928	VOLUME	466598.276	3783205.639 518.95
LOCATION	L0005929	VOLUME	466603.227	3783212.658 519.00
LOCATION	L0005930	VOLUME	466608.178	3783219.678 519.00
LOCATION	L0005931	VOLUME	466613.030	3783226.758 519.00

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   LOCATION L0005932     VOLUME   466616.942 3783234.405 519.00
   LOCATION L0005933     VOLUME   466620.855 3783242.052 519.00
   LOCATION L0005934     VOLUME   466624.767 3783249.699 519.00
   LOCATION L0005935     VOLUME   466628.680 3783257.346 519.04
   LOCATION L0005936     VOLUME   466632.592 3783264.994 519.29
   LOCATION L0005937     VOLUME   466636.505 3783272.641 519.55
   LOCATION L0005938     VOLUME   466640.418 3783280.288 519.80
   LOCATION L0005939     VOLUME   466644.330 3783287.935 520.06
   LOCATION L0005940     VOLUME   466648.243 3783295.583 520.31
   LOCATION L0005941     VOLUME   466652.155 3783303.230 520.57
   LOCATION L0005942     VOLUME   466656.068 3783310.877 520.82
   LOCATION L0005943     VOLUME   466659.980 3783318.524 521.08
   LOCATION L0005944     VOLUME   466663.893 3783326.172 521.42
   LOCATION L0005945     VOLUME   466667.805 3783333.819 521.70
   LOCATION L0005946     VOLUME   466671.718 3783341.466 521.90
   LOCATION L0005947     VOLUME   466675.630 3783349.113 522.10
   LOCATION L0005948     VOLUME   466679.543 3783356.760 522.35
   LOCATION L0005949     VOLUME   466683.455 3783364.408 522.61
   LOCATION L0005950     VOLUME   466687.368 3783372.055 522.86
   LOCATION L0005951     VOLUME   466691.281 3783379.702 523.16
   LOCATION L0005952     VOLUME   466695.193 3783387.349 523.48
   LOCATION L0005953     VOLUME   466699.106 3783394.997 523.74
   LOCATION L0005954     VOLUME   466703.018 3783402.644 523.93
   LOCATION L0005955     VOLUME   466706.931 3783410.291 523.92
   LOCATION L0005956     VOLUME   466710.843 3783417.938 523.73
   LOCATION L0005957     VOLUME   466714.756 3783425.586 523.46
   LOCATION L0005958     VOLUME   466718.668 3783433.233 523.13
   LOCATION L0005959     VOLUME   466722.581 3783440.880 522.99
   LOCATION L0005960     VOLUME   466726.493 3783448.527 522.91
   LOCATION L0005961     VOLUME   466722.816 3783453.957 522.94
   LOCATION L0005962     VOLUME   466715.402 3783458.294 523.15
   LOCATION L0005963     VOLUME   466707.987 3783462.630 523.40
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC 50% to I-215S
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001506
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 15
** 466489.584, 3782909.282, 509.00, 3.49, 4.00
** 466454.503, 3782881.718, 509.00, 3.49, 4.00
** 466415.245, 3782863.342, 508.94, 3.49, 4.00
** 466368.471, 3782852.484, 509.00, 3.49, 4.00
** 466314.179, 3782858.331, 509.47, 3.49, 4.00
** 466292.462, 3782877.542, 509.87, 3.49, 4.00
** 466297.473, 3782920.975, 510.88, 3.49, 4.00
** 466333.390, 3782982.785, 511.03, 3.49, 4.00
** 466568.934, 3783164.037, 516.99, 3.49, 4.00
** 466612.656, 3783226.027, 518.95, 3.49, 4.00
** 466660.626, 3783316.298, 521.00, 3.49, 4.00
** 466754.420, 3783211.714, 515.97, 3.49, 4.00
** 466785.572, 3783177.659, 512.21, 3.49, 4.00
** 466804.316, 3783163.769, 512.90, 3.49, 4.00
** 466837.628, 3783162.641, 513.90, 3.49, 4.00
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   LOCATION L0006088     VOLUME   466479.452 3782901.321 509.17
   LOCATION L0006089     VOLUME   466472.698 3782896.014 509.00
   LOCATION L0006090     VOLUME   466465.943 3782890.707 509.00
   LOCATION L0006091     VOLUME   466459.189 3782885.400 509.00
   LOCATION L0006092     VOLUME   466452.120 3782880.603 509.00
   LOCATION L0006093     VOLUME   466444.340 3782876.961 509.00
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LOCATION L0006094     VOLUME   466436.560 3782873.319 509.00
LOCATION L0006095     VOLUME   466428.780 3782869.678 509.00
LOCATION L0006096     VOLUME   466421.001 3782866.036 508.99
LOCATION L0006097     VOLUME   466413.068 3782862.837 508.89
LOCATION L0006098     VOLUME   466404.700 3782860.894 508.82
LOCATION L0006099     VOLUME   466396.333 3782858.952 508.76
LOCATION L0006100     VOLUME   466387.965 3782857.009 508.71
LOCATION L0006101     VOLUME   466379.598 3782855.067 508.76
LOCATION L0006102     VOLUME   466371.230 3782853.124 508.83
LOCATION L0006103     VOLUME   466362.747 3782853.100 508.96
LOCATION L0006104     VOLUME   466354.206 3782854.020 509.00
LOCATION L0006105     VOLUME   466345.666 3782854.940 509.00
LOCATION L0006106     VOLUME   466337.125 3782855.860 509.00
LOCATION L0006107     VOLUME   466328.584 3782856.779 509.03
LOCATION L0006108     VOLUME   466320.044 3782857.699 509.23
LOCATION L0006109     VOLUME   466312.163 3782860.114 509.47
LOCATION L0006110     VOLUME   466305.729 3782865.805 509.79
LOCATION L0006111     VOLUME   466299.295 3782871.497 510.00
LOCATION L0006112     VOLUME   466292.861 3782877.188 510.00
LOCATION L0006113     VOLUME   466293.385 3782885.545 510.00
LOCATION L0006114     VOLUME   466294.370 3782894.079 510.00
LOCATION L0006115     VOLUME   466295.355 3782902.612 510.21
LOCATION L0006116     VOLUME   466296.339 3782911.145 510.50
LOCATION L0006117     VOLUME   466297.324 3782919.679 510.78
LOCATION L0006118     VOLUME   466301.133 3782927.274 510.96
LOCATION L0006119     VOLUME   466305.449 3782934.701 510.87
LOCATION L0006120     VOLUME   466309.765 3782942.128 510.85
LOCATION L0006121     VOLUME   466314.081 3782949.555 510.90
LOCATION L0006122     VOLUME   466318.396 3782956.982 511.01
LOCATION L0006123     VOLUME   466322.712 3782964.410 511.07
LOCATION L0006124     VOLUME   466327.028 3782971.837 511.05
LOCATION L0006125     VOLUME   466331.344 3782979.264 511.00
LOCATION L0006126     VOLUME   466336.970 3782985.540 511.00
LOCATION L0006127     VOLUME   466343.778 3782990.779 511.15
LOCATION L0006128     VOLUME   466350.586 3782996.017 511.33
LOCATION L0006129     VOLUME   466357.393 3783001.256 511.50
LOCATION L0006130     VOLUME   466364.201 3783006.494 511.68
LOCATION L0006131     VOLUME   466371.009 3783011.733 511.85
LOCATION L0006132     VOLUME   466377.817 3783016.971 512.00
LOCATION L0006133     VOLUME   466384.624 3783022.210 512.00
LOCATION L0006134     VOLUME   466391.432 3783027.449 512.00
LOCATION L0006135     VOLUME   466398.240 3783032.687 512.00
LOCATION L0006136     VOLUME   466405.047 3783037.926 512.00
LOCATION L0006137     VOLUME   466411.855 3783043.164 512.00
LOCATION L0006138     VOLUME   466418.663 3783048.403 512.07
LOCATION L0006139     VOLUME   466425.471 3783053.641 512.25
LOCATION L0006140     VOLUME   466432.278 3783058.880 512.42
LOCATION L0006141     VOLUME   466439.086 3783064.119 512.60
LOCATION L0006142     VOLUME   466445.894 3783069.357 512.77
LOCATION L0006143     VOLUME   466452.702 3783074.596 512.95
LOCATION L0006144     VOLUME   466459.509 3783079.834 513.12
LOCATION L0006145     VOLUME   466466.317 3783085.073 513.30
LOCATION L0006146     VOLUME   466473.125 3783090.312 513.47
LOCATION L0006147     VOLUME   466479.933 3783095.550 513.65
LOCATION L0006148     VOLUME   466486.740 3783100.789 513.82
LOCATION L0006149     VOLUME   466493.548 3783106.027 513.99
LOCATION L0006150     VOLUME   466500.356 3783111.266 514.17
LOCATION L0006151     VOLUME   466507.164 3783116.504 514.34
LOCATION L0006152     VOLUME   466513.971 3783121.743 514.52
LOCATION L0006153     VOLUME   466520.779 3783126.982 514.69
LOCATION L0006154     VOLUME   466527.587 3783132.220 514.87
LOCATION L0006155     VOLUME   466534.395 3783137.459 515.04
LOCATION L0006156     VOLUME   466541.202 3783142.697 515.26
LOCATION L0006157     VOLUME   466548.010 3783147.936 515.66
LOCATION L0006158     VOLUME   466554.818 3783153.175 516.07
LOCATION L0006159     VOLUME   466561.626 3783158.413 516.47
LOCATION L0006160     VOLUME   466568.433 3783163.652 516.87
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   LOCATION L0006161     VOLUME   466573.521 3783170.540 517.37
   LOCATION L0006162     VOLUME   466578.472 3783177.560 517.84
   LOCATION L0006163     VOLUME   466583.423 3783184.580 518.24
   LOCATION L0006164     VOLUME   466588.374 3783191.599 518.56
   LOCATION L0006165     VOLUME   466593.325 3783198.619 518.78
   LOCATION L0006166     VOLUME   466598.276 3783205.639 518.95
   LOCATION L0006167     VOLUME   466603.227 3783212.658 519.00
   LOCATION L0006168     VOLUME   466608.178 3783219.678 519.00
   LOCATION L0006169     VOLUME   466613.041 3783226.752 519.00
   LOCATION L0006170     VOLUME   466617.072 3783234.337 519.00
   LOCATION L0006171     VOLUME   466621.103 3783241.923 519.00
   LOCATION L0006172     VOLUME   466625.134 3783249.508 519.00
   LOCATION L0006173     VOLUME   466629.165 3783257.094 519.03
   LOCATION L0006174     VOLUME   466633.196 3783264.679 519.28
   LOCATION L0006175     VOLUME   466637.227 3783272.265 519.54
   LOCATION L0006176     VOLUME   466641.258 3783279.850 519.79
   LOCATION L0006177     VOLUME   466645.289 3783287.436 520.04
   LOCATION L0006178     VOLUME   466649.320 3783295.021 520.29
   LOCATION L0006179     VOLUME   466653.350 3783302.607 520.55
   LOCATION L0006180     VOLUME   466657.381 3783310.192 520.80
   LOCATION L0006181     VOLUME   466661.745 3783315.051 521.02
   LOCATION L0006182     VOLUME   466667.480 3783308.656 520.94
   LOCATION L0006183     VOLUME   466673.215 3783302.261 520.77
   LOCATION L0006184     VOLUME   466678.950 3783295.866 520.53
   LOCATION L0006185     VOLUME   466684.685 3783289.471 520.20
   LOCATION L0006186     VOLUME   466690.421 3783283.076 519.90
   LOCATION L0006187     VOLUME   466696.156 3783276.681 519.68
   LOCATION L0006188     VOLUME   466701.891 3783270.286 519.47
   LOCATION L0006189     VOLUME   466707.626 3783263.891 519.26
   LOCATION L0006190     VOLUME   466713.361 3783257.496 519.04
   LOCATION L0006191     VOLUME   466719.097 3783251.101 518.66
   LOCATION L0006192     VOLUME   466724.832 3783244.706 518.23
   LOCATION L0006193     VOLUME   466730.567 3783238.311 517.81
   LOCATION L0006194     VOLUME   466736.302 3783231.916 517.38
   LOCATION L0006195     VOLUME   466742.037 3783225.521 516.96
   LOCATION L0006196     VOLUME   466747.773 3783219.126 516.55
   LOCATION L0006197     VOLUME   466753.508 3783212.731 515.98
   LOCATION L0006198     VOLUME   466759.296 3783206.384 515.36
   LOCATION L0006199     VOLUME   466765.094 3783200.046 514.75
   LOCATION L0006200     VOLUME   466770.891 3783193.708 514.13
   LOCATION L0006201     VOLUME   466776.689 3783187.370 513.52
   LOCATION L0006202     VOLUME   466782.487 3783181.031 512.99
   LOCATION L0006203     VOLUME   466788.802 3783175.266 512.72
   LOCATION L0006204     VOLUME   466795.703 3783170.152 512.65
   LOCATION L0006205     VOLUME   466802.605 3783165.037 512.73
   LOCATION L0006206     VOLUME   466810.772 3783163.551 512.94
   LOCATION L0006207     VOLUME   466819.358 3783163.260 513.19
   LOCATION L0006208     VOLUME   466827.943 3783162.969 513.43
   LOCATION L0006209     VOLUME   466836.528 3783162.679 513.67
** End of LINE VOLUME Source ID = SLINE6
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0005238     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005239     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005240     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005241     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005242     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005243     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005244     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005245     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005246     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005247     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005248     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005249     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005250     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005251     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005252     0.000000806      3.49      4.00      3.25
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                                                  11246 Cajon
   SRCPARAM L0005253     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005254     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005255     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005256     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005257     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005258     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005259     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005260     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005261     0.000000806      3.49      4.00      3.25
   SRCPARAM L0005262     0.000000806      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0005288     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005289     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005290     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005291     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005292     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005293     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005294     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005295     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005296     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005297     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005298     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005299     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005300     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005301     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005302     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005303     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005304     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005305     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005306     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005307     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005308     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005309     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005310     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005311     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005312     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005313     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005314     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005315     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005316     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005317     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005318     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005319     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005320     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005321     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005322     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005323     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005324     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005325     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005326     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005327     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005328     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005329     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005330     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005331     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005332     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005333     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005334     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005335     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005336     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005337     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005338     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005339     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005340     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005341     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005342     0.0000005385      3.49      4.00      3.25
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   SRCPARAM L0005343     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005344     0.0000005385      3.49      4.00      3.25
   SRCPARAM L0005345     0.0000005385      3.49      4.00      3.25
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   SRCPARAM L0005631     0.0000001717      3.49      4.00      3.25
   SRCPARAM L0005632     0.0000001717      3.49      4.00      3.25
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SRCPARAM	L0005914	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005915	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005916	0.0000001228	3.49	4.00	3.25
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SRCPARAM	L0005918	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005919	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005920	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005921	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005922	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005923	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005924	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005925	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005926	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005927	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005928	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005929	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005930	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005931	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005932	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005933	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005934	0.0000001228	3.49	4.00	3.25
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SRCPARAM	L0005936	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005937	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005938	0.0000001228	3.49	4.00	3.25
SRCPARAM	L0005939	0.0000001228	3.49	4.00	3.25

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   SRCPARAM L0005940     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005941     0.0000001228      3.49      4.00      3.25
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   SRCPARAM L0005943     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005944     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005945     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005946     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005947     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005948     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005949     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005950     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005951     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005952     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005953     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005954     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005955     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005956     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005957     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005958     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005959     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005960     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005961     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005962     0.0000001228      3.49      4.00      3.25
   SRCPARAM L0005963     0.0000001228      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0006087     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006088     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006089     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006090     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006091     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006092     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006093     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006094     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006095     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006096     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006097     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006098     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006099     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006100     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006101     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006102     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006103     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006104     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006105     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006106     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006107     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006108     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006109     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006110     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006111     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006112     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006113     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006114     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006115     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006116     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006117     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006118     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006119     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006120     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006121     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006122     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006123     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006124     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006125     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006126     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006127     0.0000001224      3.49      4.00      3.25
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SRCPARAM	L0006129	0.0000001224	3.49	4.00	3.25
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SRCPARAM	L0006131	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006132	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006133	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006134	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006135	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006136	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006137	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006138	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006139	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006140	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006141	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006142	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006143	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006144	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006145	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006146	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006147	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006148	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006149	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006150	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006151	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006152	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006153	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006154	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006155	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006156	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006157	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006158	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006159	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006160	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006161	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006162	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006163	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006164	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006165	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006166	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006167	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006168	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006169	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006170	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006171	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006172	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006173	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006174	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006175	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006176	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006177	0.0000001224	3.49	4.00	3.25
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SRCPARAM	L0006179	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006180	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006181	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006182	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006183	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006184	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006185	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006186	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006187	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006188	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006189	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006190	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006191	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006192	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006193	0.0000001224	3.49	4.00	3.25
SRCPARAM	L0006194	0.0000001224	3.49	4.00	3.25

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                                                    11246 Cajon
   SRCPARAM L0006195     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006196     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006197     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006198     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006199     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006200     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006201     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006202     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006203     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006204     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006205     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006206     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006207     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006208     0.0000001224      3.49      4.00      3.25
   SRCPARAM L0006209     0.0000001224      3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "11246 Cajon.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "11246 Cajon.AD\AN00GALL.PLT" 31
   SUMMFILE "11246 Cajon.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    1851       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187    1851       MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc                    ***
    02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                   ***
   21:53:28

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

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   824 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    824 Source(s);       1 Source Group(s); and      21 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    824 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
```

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 367.00 ; 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.

**Detailed Error/Message File: 11246 Cajon.err

**File for Summary of Results: 11246 Cajon.sum

♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc *** 02/26/18
*** AERMET - VERSION 16216 *** *** *** 21:53:28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005238	0	0.80600E-06	465048.5	3784524.7	556.2	3.49	4.00	3.25	YES	
L0005239	0	0.80600E-06	465055.3	3784519.4	556.0	3.49	4.00	3.25	YES	
L0005240	0	0.80600E-06	465062.1	3784514.2	555.9	3.49	4.00	3.25	YES	
L0005241	0	0.80600E-06	465068.9	3784508.9	555.8	3.49	4.00	3.25	YES	
L0005242	0	0.80600E-06	465075.7	3784503.6	555.5	3.49	4.00	3.25	YES	
L0005243	0	0.80600E-06	465082.4	3784498.4	555.2	3.49	4.00	3.25	YES	
L0005244	0	0.80600E-06	465089.2	3784493.1	555.1	3.49	4.00	3.25	YES	
L0005245	0	0.80600E-06	465096.0	3784487.9	555.0	3.49	4.00	3.25	YES	
L0005246	0	0.80600E-06	465102.8	3784482.6	554.8	3.49	4.00	3.25	YES	
L0005247	0	0.80600E-06	465109.6	3784477.3	554.5	3.49	4.00	3.25	YES	
L0005248	0	0.80600E-06	465116.4	3784472.1	554.2	3.49	4.00	3.25	YES	
L0005249	0	0.80600E-06	465123.2	3784466.8	554.1	3.49	4.00	3.25	YES	
L0005250	0	0.80600E-06	465130.0	3784461.5	554.0	3.49	4.00	3.25	YES	
L0005251	0	0.80600E-06	465136.7	3784456.3	554.0	3.49	4.00	3.25	YES	
L0005252	0	0.80600E-06	465143.5	3784451.0	554.0	3.49	4.00	3.25	YES	
L0005253	0	0.80600E-06	465150.3	3784445.7	554.0	3.49	4.00	3.25	YES	
L0005254	0	0.80600E-06	465157.1	3784440.5	554.0	3.49	4.00	3.25	YES	
L0005255	0	0.80600E-06	465163.9	3784435.2	553.9	3.49	4.00	3.25	YES	
L0005256	0	0.80600E-06	465170.7	3784429.9	553.6	3.49	4.00	3.25	YES	
L0005257	0	0.80600E-06	465177.5	3784424.7	553.4	3.49	4.00	3.25	YES	
L0005258	0	0.80600E-06	465184.3	3784419.4	553.1	3.49	4.00	3.25	YES	
L0005259	0	0.80600E-06	465191.1	3784414.2	553.0	3.49	4.00	3.25	YES	
L0005260	0	0.80600E-06	465197.8	3784408.9	552.8	3.49	4.00	3.25	YES	
L0005261	0	0.80600E-06	465204.6	3784403.6	552.6	3.49	4.00	3.25	YES	
L0005262	0	0.80600E-06	465211.4	3784398.4	552.3	3.49	4.00	3.25	YES	
L0005288	0	0.53850E-06	464864.8	3784536.7	559.9	3.49	4.00	3.25	YES	
L0005289	0	0.53850E-06	464871.0	3784542.7	559.9	3.49	4.00	3.25	YES	
L0005290	0	0.53850E-06	464877.2	3784548.6	560.0	3.49	4.00	3.25	YES	
L0005291	0	0.53850E-06	464883.3	3784554.6	560.1	3.49	4.00	3.25	YES	
L0005292	0	0.53850E-06	464889.5	3784560.6	560.0	3.49	4.00	3.25	YES	

L0005293	0	0.53850E-06	464895.7	3784566.5	559.9	3.49	4.00	3.25	YES
L0005294	0	0.53850E-06	464901.9	3784572.5	559.9	3.49	4.00	3.25	YES
L0005295	0	0.53850E-06	464908.1	3784578.5	560.0	3.49	4.00	3.25	YES
L0005296	0	0.53850E-06	464914.3	3784584.4	560.0	3.49	4.00	3.25	YES
L0005297	0	0.53850E-06	464920.4	3784590.4	560.0	3.49	4.00	3.25	YES
L0005298	0	0.53850E-06	464928.1	3784591.6	559.9	3.49	4.00	3.25	YES
L0005299	0	0.53850E-06	464936.6	3784590.2	559.7	3.49	4.00	3.25	YES
L0005300	0	0.53850E-06	464945.1	3784588.9	559.5	3.49	4.00	3.25	YES
L0005301	0	0.53850E-06	464953.6	3784587.5	559.4	3.49	4.00	3.25	YES
L0005302	0	0.53850E-06	464962.1	3784586.2	559.3	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005303	0	0.53850E-06	464970.5	3784584.9	559.3	3.49	4.00	3.25	YES	
L0005304	0	0.53850E-06	464979.0	3784583.5	559.2	3.49	4.00	3.25	YES	
L0005305	0	0.53850E-06	464987.5	3784582.1	559.0	3.49	4.00	3.25	YES	
L0005306	0	0.53850E-06	464995.4	3784578.8	558.6	3.49	4.00	3.25	YES	
L0005307	0	0.53850E-06	465003.3	3784575.5	558.2	3.49	4.00	3.25	YES	
L0005308	0	0.53850E-06	465011.3	3784572.1	558.0	3.49	4.00	3.25	YES	
L0005309	0	0.53850E-06	465019.2	3784568.8	557.9	3.49	4.00	3.25	YES	
L0005310	0	0.53850E-06	465027.1	3784565.5	557.8	3.49	4.00	3.25	YES	
L0005311	0	0.53850E-06	465035.0	3784562.1	557.6	3.49	4.00	3.25	YES	
L0005312	0	0.53850E-06	465042.9	3784558.8	557.3	3.49	4.00	3.25	YES	
L0005313	0	0.53850E-06	465050.8	3784555.5	556.9	3.49	4.00	3.25	YES	
L0005314	0	0.53850E-06	465058.8	3784552.2	556.6	3.49	4.00	3.25	YES	
L0005315	0	0.53850E-06	465066.7	3784548.8	556.2	3.49	4.00	3.25	YES	
L0005316	0	0.53850E-06	465073.9	3784544.3	556.0	3.49	4.00	3.25	YES	
L0005317	0	0.53850E-06	465080.6	3784538.9	555.9	3.49	4.00	3.25	YES	
L0005318	0	0.53850E-06	465087.2	3784533.5	555.8	3.49	4.00	3.25	YES	
L0005319	0	0.53850E-06	465093.9	3784528.1	555.5	3.49	4.00	3.25	YES	
L0005320	0	0.53850E-06	465100.6	3784522.7	555.2	3.49	4.00	3.25	YES	
L0005321	0	0.53850E-06	465107.2	3784517.2	555.0	3.49	4.00	3.25	YES	
L0005322	0	0.53850E-06	465113.9	3784511.8	554.9	3.49	4.00	3.25	YES	
L0005323	0	0.53850E-06	465120.6	3784506.4	554.8	3.49	4.00	3.25	YES	
L0005324	0	0.53850E-06	465127.2	3784501.0	554.5	3.49	4.00	3.25	YES	
L0005325	0	0.53850E-06	465133.9	3784495.6	554.3	3.49	4.00	3.25	YES	
L0005326	0	0.53850E-06	465140.6	3784490.1	554.1	3.49	4.00	3.25	YES	
L0005327	0	0.53850E-06	465147.2	3784484.7	554.0	3.49	4.00	3.25	YES	
L0005328	0	0.53850E-06	465153.9	3784479.3	554.0	3.49	4.00	3.25	YES	
L0005329	0	0.53850E-06	465160.5	3784473.9	554.0	3.49	4.00	3.25	YES	
L0005330	0	0.53850E-06	465167.2	3784468.5	553.8	3.49	4.00	3.25	YES	
L0005331	0	0.53850E-06	465173.9	3784463.0	553.6	3.49	4.00	3.25	YES	
L0005332	0	0.53850E-06	465180.5	3784457.6	553.3	3.49	4.00	3.25	YES	
L0005333	0	0.53850E-06	465187.2	3784452.2	553.1	3.49	4.00	3.25	YES	
L0005334	0	0.53850E-06	465193.9	3784446.8	553.0	3.49	4.00	3.25	YES	
L0005335	0	0.53850E-06	465200.5	3784441.4	553.0	3.49	4.00	3.25	YES	
L0005336	0	0.53850E-06	465207.2	3784436.0	553.0	3.49	4.00	3.25	YES	
L0005337	0	0.53850E-06	465213.9	3784430.5	553.0	3.49	4.00	3.25	YES	
L0005338	0	0.53850E-06	465220.5	3784425.1	552.9	3.49	4.00	3.25	YES	
L0005339	0	0.53850E-06	465227.2	3784419.7	552.6	3.49	4.00	3.25	YES	
L0005340	0	0.53850E-06	465233.9	3784414.3	552.3	3.49	4.00	3.25	YES	
L0005341	0	0.53850E-06	465239.0	3784408.0	552.1	3.49	4.00	3.25	YES	
L0005342	0	0.53850E-06	465240.2	3784399.5	552.0	3.49	4.00	3.25	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005343	0	0.53850E-06	465241.3	3784391.0	552.0	3.49	4.00	3.25	YES	
L0005344	0	0.53850E-06	465242.4	3784382.5	552.0	3.49	4.00	3.25	YES	
L0005345	0	0.53850E-06	465243.5	3784374.0	552.0	3.49	4.00	3.25	YES	
L0005346	0	0.53850E-06	465243.7	3784365.4	552.0	3.49	4.00	3.25	YES	
L0005347	0	0.53850E-06	465243.5	3784356.8	551.8	3.49	4.00	3.25	YES	
L0005348	0	0.53850E-06	465243.3	3784348.2	551.5	3.49	4.00	3.25	YES	
L0005349	0	0.53850E-06	465243.1	3784339.6	551.3	3.49	4.00	3.25	YES	
L0005350	0	0.53850E-06	465242.9	3784331.0	551.2	3.49	4.00	3.25	YES	
L0005351	0	0.53850E-06	465242.7	3784322.4	551.1	3.49	4.00	3.25	YES	
L0005352	0	0.53850E-06	465242.5	3784313.9	551.1	3.49	4.00	3.25	YES	
L0005353	0	0.53850E-06	465242.3	3784305.3	551.0	3.49	4.00	3.25	YES	
L0005354	0	0.53850E-06	465242.2	3784296.7	550.7	3.49	4.00	3.25	YES	
L0005355	0	0.53850E-06	465242.0	3784288.1	550.4	3.49	4.00	3.25	YES	
L0005356	0	0.53850E-06	465241.8	3784279.5	550.1	3.49	4.00	3.25	YES	
L0005357	0	0.53850E-06	465237.8	3784272.4	550.0	3.49	4.00	3.25	YES	
L0005358	0	0.53850E-06	465232.1	3784266.0	550.0	3.49	4.00	3.25	YES	
L0005359	0	0.53850E-06	465226.4	3784259.6	550.0	3.49	4.00	3.25	YES	
L0005360	0	0.53850E-06	465220.6	3784253.2	550.0	3.49	4.00	3.25	YES	
L0005361	0	0.53850E-06	465214.9	3784246.8	550.0	3.49	4.00	3.25	YES	
L0005362	0	0.17170E-06	464843.7	3784522.8	560.1	3.49	4.00	3.25	YES	
L0005363	0	0.17170E-06	464850.2	3784517.2	560.0	3.49	4.00	3.25	YES	
L0005364	0	0.17170E-06	464856.7	3784511.6	559.8	3.49	4.00	3.25	YES	
L0005365	0	0.17170E-06	464863.2	3784505.9	559.5	3.49	4.00	3.25	YES	
L0005366	0	0.17170E-06	464869.7	3784500.3	559.1	3.49	4.00	3.25	YES	
L0005367	0	0.17170E-06	464876.2	3784494.7	558.7	3.49	4.00	3.25	YES	
L0005368	0	0.17170E-06	464882.6	3784489.0	558.3	3.49	4.00	3.25	YES	
L0005369	0	0.17170E-06	464889.1	3784483.4	558.0	3.49	4.00	3.25	YES	
L0005370	0	0.17170E-06	464895.6	3784477.8	557.9	3.49	4.00	3.25	YES	
L0005371	0	0.17170E-06	464902.1	3784472.1	557.8	3.49	4.00	3.25	YES	
L0005372	0	0.17170E-06	464908.8	3784466.7	557.6	3.49	4.00	3.25	YES	
L0005373	0	0.17170E-06	464915.5	3784461.4	557.3	3.49	4.00	3.25	YES	
L0005374	0	0.17170E-06	464922.2	3784456.0	557.0	3.49	4.00	3.25	YES	
L0005375	0	0.17170E-06	464928.9	3784450.6	556.9	3.49	4.00	3.25	YES	
L0005376	0	0.17170E-06	464935.6	3784445.2	556.8	3.49	4.00	3.25	YES	
L0005377	0	0.17170E-06	464942.3	3784439.9	556.6	3.49	4.00	3.25	YES	
L0005378	0	0.17170E-06	464949.0	3784434.5	556.3	3.49	4.00	3.25	YES	
L0005379	0	0.17170E-06	464955.7	3784429.1	556.1	3.49	4.00	3.25	YES	
L0005380	0	0.17170E-06	464962.4	3784423.7	556.0	3.49	4.00	3.25	YES	
L0005381	0	0.17170E-06	464969.1	3784418.4	555.8	3.49	4.00	3.25	YES	
L0005382	0	0.17170E-06	464975.8	3784413.0	555.6	3.49	4.00	3.25	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005383	0	0.17170E-06	464982.5	3784407.6	555.4	3.49	4.00	3.25	YES	
L0005384	0	0.17170E-06	464989.2	3784402.2	555.2	3.49	4.00	3.25	YES	
L0005385	0	0.17170E-06	464995.9	3784396.9	555.0	3.49	4.00	3.25	YES	
L0005386	0	0.17170E-06	465002.6	3784391.5	554.9	3.49	4.00	3.25	YES	
L0005387	0	0.17170E-06	465009.3	3784386.1	554.7	3.49	4.00	3.25	YES	
L0005388	0	0.17170E-06	465016.0	3784380.7	554.5	3.49	4.00	3.25	YES	
L0005389	0	0.17170E-06	465022.7	3784375.4	554.3	3.49	4.00	3.25	YES	
L0005390	0	0.17170E-06	465029.4	3784370.0	554.1	3.49	4.00	3.25	YES	
L0005391	0	0.17170E-06	465036.1	3784364.6	553.9	3.49	4.00	3.25	YES	
L0005392	0	0.17170E-06	465042.8	3784359.2	553.8	3.49	4.00	3.25	YES	
L0005393	0	0.17170E-06	465049.5	3784353.8	553.6	3.49	4.00	3.25	YES	
L0005394	0	0.17170E-06	465056.1	3784348.4	553.4	3.49	4.00	3.25	YES	
L0005395	0	0.17170E-06	465062.8	3784343.0	553.2	3.49	4.00	3.25	YES	
L0005396	0	0.17170E-06	465069.4	3784337.5	553.0	3.49	4.00	3.25	YES	
L0005397	0	0.17170E-06	465076.0	3784332.0	552.9	3.49	4.00	3.25	YES	
L0005398	0	0.17170E-06	465082.7	3784326.6	552.7	3.49	4.00	3.25	YES	
L0005399	0	0.17170E-06	465089.3	3784321.1	552.5	3.49	4.00	3.25	YES	
L0005400	0	0.17170E-06	465095.9	3784315.6	552.3	3.49	4.00	3.25	YES	
L0005401	0	0.17170E-06	465102.5	3784310.2	552.1	3.49	4.00	3.25	YES	
L0005402	0	0.17170E-06	465109.2	3784304.7	552.0	3.49	4.00	3.25	YES	
L0005403	0	0.17170E-06	465115.8	3784299.2	551.9	3.49	4.00	3.25	YES	
L0005404	0	0.17170E-06	465122.4	3784293.8	551.7	3.49	4.00	3.25	YES	
L0005405	0	0.17170E-06	465129.0	3784288.3	551.4	3.49	4.00	3.25	YES	
L0005406	0	0.17170E-06	465135.7	3784282.8	551.2	3.49	4.00	3.25	YES	
L0005407	0	0.17170E-06	465142.3	3784277.4	551.0	3.49	4.00	3.25	YES	
L0005408	0	0.17170E-06	465148.9	3784271.9	551.0	3.49	4.00	3.25	YES	
L0005409	0	0.17170E-06	465155.5	3784266.4	551.0	3.49	4.00	3.25	YES	
L0005410	0	0.17170E-06	465162.2	3784261.0	551.0	3.49	4.00	3.25	YES	
L0005411	0	0.17170E-06	465168.8	3784255.5	550.8	3.49	4.00	3.25	YES	
L0005412	0	0.17170E-06	465175.4	3784250.0	550.5	3.49	4.00	3.25	YES	
L0005413	0	0.17170E-06	465182.0	3784244.6	550.2	3.49	4.00	3.25	YES	
L0005414	0	0.17170E-06	465188.7	3784239.1	550.0	3.49	4.00	3.25	YES	
L0005415	0	0.17170E-06	465195.3	3784233.6	550.0	3.49	4.00	3.25	YES	
L0005416	0	0.17170E-06	465201.9	3784228.2	550.0	3.49	4.00	3.25	YES	
L0005417	0	0.17170E-06	465208.6	3784222.7	550.0	3.49	4.00	3.25	YES	
L0005418	0	0.17170E-06	465215.2	3784217.2	550.0	3.49	4.00	3.25	YES	
L0005419	0	0.17170E-06	465221.8	3784211.8	549.8	3.49	4.00	3.25	YES	
L0005420	0	0.17170E-06	465228.4	3784206.3	549.5	3.49	4.00	3.25	YES	
L0005421	0	0.17170E-06	465235.1	3784200.8	549.2	3.49	4.00	3.25	YES	
L0005422	0	0.17170E-06	465241.7	3784195.4	549.1	3.49	4.00	3.25	YES	

♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc *** ***
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*** AERMET - VERSION 16216 *** *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005423	0	0.17170E-06	465248.3	3784189.9	549.0	3.49	4.00	3.25	YES	
L0005424	0	0.17170E-06	465254.9	3784184.4	548.8	3.49	4.00	3.25	YES	
L0005425	0	0.17170E-06	465261.6	3784179.0	548.5	3.49	4.00	3.25	YES	

L0005426	0	0.17170E-06	465268.2	3784173.5	548.2	3.49	4.00	3.25	YES
L0005427	0	0.17170E-06	465274.8	3784168.0	548.1	3.49	4.00	3.25	YES
L0005428	0	0.17170E-06	465281.4	3784162.6	548.0	3.49	4.00	3.25	YES
L0005429	0	0.17170E-06	465288.1	3784157.1	548.0	3.49	4.00	3.25	YES
L0005430	0	0.17170E-06	465294.7	3784151.6	547.8	3.49	4.00	3.25	YES
L0005431	0	0.17170E-06	465301.3	3784146.2	547.7	3.49	4.00	3.25	YES
L0005432	0	0.17170E-06	465307.9	3784140.7	547.5	3.49	4.00	3.25	YES
L0005433	0	0.17170E-06	465314.6	3784135.2	547.0	3.49	4.00	3.25	YES
L0005434	0	0.17170E-06	465321.2	3784129.8	546.3	3.49	4.00	3.25	YES
L0005435	0	0.17170E-06	465327.8	3784124.3	545.7	3.49	4.00	3.25	YES
L0005436	0	0.17170E-06	465334.5	3784118.8	545.3	3.49	4.00	3.25	YES
L0005437	0	0.17170E-06	465341.1	3784113.4	545.0	3.49	4.00	3.25	YES
L0005438	0	0.17170E-06	465347.7	3784107.9	545.0	3.49	4.00	3.25	YES
L0005439	0	0.17170E-06	465354.3	3784102.5	545.0	3.49	4.00	3.25	YES
L0005440	0	0.17170E-06	465361.0	3784097.0	545.0	3.49	4.00	3.25	YES
L0005441	0	0.17170E-06	465367.6	3784091.5	544.8	3.49	4.00	3.25	YES
L0005442	0	0.17170E-06	465374.2	3784086.1	543.3	3.49	4.00	3.25	YES
L0005443	0	0.17170E-06	465380.8	3784080.6	543.0	3.49	4.00	3.25	YES
L0005444	0	0.17170E-06	465387.5	3784075.1	542.8	3.49	4.00	3.25	YES
L0005445	0	0.17170E-06	465394.1	3784069.7	542.8	3.49	4.00	3.25	YES
L0005446	0	0.17170E-06	465400.7	3784064.2	542.9	3.49	4.00	3.25	YES
L0005447	0	0.17170E-06	465407.3	3784058.7	542.8	3.49	4.00	3.25	YES
L0005448	0	0.17170E-06	465414.0	3784053.3	542.8	3.49	4.00	3.25	YES
L0005449	0	0.17170E-06	465420.6	3784047.8	542.8	3.49	4.00	3.25	YES
L0005450	0	0.17170E-06	465427.2	3784042.3	542.9	3.49	4.00	3.25	YES
L0005451	0	0.17170E-06	465433.8	3784036.9	543.0	3.49	4.00	3.25	YES
L0005452	0	0.17170E-06	465440.5	3784031.4	542.8	3.49	4.00	3.25	YES
L0005453	0	0.17170E-06	465447.1	3784025.9	542.7	3.49	4.00	3.25	YES
L0005454	0	0.17170E-06	465453.7	3784020.5	542.5	3.49	4.00	3.25	YES
L0005455	0	0.17170E-06	465460.4	3784015.0	542.3	3.49	4.00	3.25	YES
L0005456	0	0.17170E-06	465467.0	3784009.5	542.1	3.49	4.00	3.25	YES
L0005457	0	0.17170E-06	465473.6	3784004.1	542.0	3.49	4.00	3.25	YES
L0005458	0	0.17170E-06	465480.2	3783998.6	541.8	3.49	4.00	3.25	YES
L0005459	0	0.17170E-06	465486.9	3783993.1	541.6	3.49	4.00	3.25	YES
L0005460	0	0.17170E-06	465493.5	3783987.7	541.3	3.49	4.00	3.25	YES
L0005461	0	0.17170E-06	465500.1	3783982.2	540.9	3.49	4.00	3.25	YES
L0005462	0	0.17170E-06	465506.8	3783976.8	540.5	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005463	0	0.17170E-06	465513.4	3783971.3	540.2	3.49	4.00	3.25	YES	
L0005464	0	0.17170E-06	465520.0	3783965.8	540.0	3.49	4.00	3.25	YES	
L0005465	0	0.17170E-06	465526.7	3783960.4	539.9	3.49	4.00	3.25	YES	
L0005466	0	0.17170E-06	465533.3	3783954.9	539.7	3.49	4.00	3.25	YES	
L0005467	0	0.17170E-06	465539.9	3783949.5	539.4	3.49	4.00	3.25	YES	
L0005468	0	0.17170E-06	465546.6	3783944.0	539.1	3.49	4.00	3.25	YES	
L0005469	0	0.17170E-06	465553.2	3783938.6	539.0	3.49	4.00	3.25	YES	
L0005470	0	0.17170E-06	465559.8	3783933.1	538.8	3.49	4.00	3.25	YES	
L0005471	0	0.17170E-06	465566.5	3783927.6	538.7	3.49	4.00	3.25	YES	
L0005472	0	0.17170E-06	465573.1	3783922.2	538.4	3.49	4.00	3.25	YES	
L0005473	0	0.17170E-06	465579.7	3783916.7	538.0	3.49	4.00	3.25	YES	
L0005474	0	0.17170E-06	465586.4	3783911.3	538.0	3.49	4.00	3.25	YES	
L0005475	0	0.17170E-06	465593.0	3783905.8	538.0	3.49	4.00	3.25	YES	

L0005476	0	0.17170E-06	465599.6	3783900.4	538.0	3.49	4.00	3.25	YES
L0005477	0	0.17170E-06	465606.3	3783894.9	538.0	3.49	4.00	3.25	YES
L0005478	0	0.17170E-06	465612.9	3783889.5	537.9	3.49	4.00	3.25	YES
L0005479	0	0.17170E-06	465619.5	3783884.0	537.6	3.49	4.00	3.25	YES
L0005480	0	0.17170E-06	465626.2	3783878.5	537.3	3.49	4.00	3.25	YES
L0005481	0	0.17170E-06	465632.8	3783873.1	537.1	3.49	4.00	3.25	YES
L0005482	0	0.17170E-06	465639.5	3783867.6	537.0	3.49	4.00	3.25	YES
L0005483	0	0.17170E-06	465646.1	3783862.2	536.8	3.49	4.00	3.25	YES
L0005484	0	0.17170E-06	465652.7	3783856.7	536.6	3.49	4.00	3.25	YES
L0005485	0	0.17170E-06	465659.4	3783851.3	536.3	3.49	4.00	3.25	YES
L0005486	0	0.17170E-06	465666.0	3783845.8	536.1	3.49	4.00	3.25	YES
L0005487	0	0.17170E-06	465672.6	3783840.4	536.0	3.49	4.00	3.25	YES
L0005488	0	0.17170E-06	465679.3	3783834.9	536.0	3.49	4.00	3.25	YES
L0005489	0	0.17170E-06	465685.9	3783829.4	536.0	3.49	4.00	3.25	YES
L0005490	0	0.17170E-06	465692.5	3783824.0	535.9	3.49	4.00	3.25	YES
L0005491	0	0.17170E-06	465699.2	3783818.5	535.8	3.49	4.00	3.25	YES
L0005492	0	0.17170E-06	465705.8	3783813.1	535.4	3.49	4.00	3.25	YES
L0005493	0	0.17170E-06	465712.4	3783807.6	535.2	3.49	4.00	3.25	YES
L0005494	0	0.17170E-06	465719.1	3783802.2	535.1	3.49	4.00	3.25	YES
L0005495	0	0.17170E-06	465725.7	3783796.7	535.0	3.49	4.00	3.25	YES
L0005496	0	0.17170E-06	465732.3	3783791.2	535.0	3.49	4.00	3.25	YES
L0005497	0	0.17170E-06	465739.0	3783785.8	535.0	3.49	4.00	3.25	YES
L0005498	0	0.17170E-06	465745.6	3783780.3	535.0	3.49	4.00	3.25	YES
L0005499	0	0.17170E-06	465752.2	3783774.9	535.0	3.49	4.00	3.25	YES
L0005500	0	0.17170E-06	465758.9	3783769.4	535.0	3.49	4.00	3.25	YES
L0005501	0	0.17170E-06	465765.5	3783764.0	534.9	3.49	4.00	3.25	YES
L0005502	0	0.17170E-06	465772.1	3783758.5	534.7	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005503	0	0.17170E-06	465778.8	3783753.1	534.6	3.49	4.00	3.25	YES	
L0005504	0	0.17170E-06	465785.4	3783747.6	534.4	3.49	4.00	3.25	YES	
L0005505	0	0.17170E-06	465792.1	3783742.1	534.2	3.49	4.00	3.25	YES	
L0005506	0	0.17170E-06	465798.7	3783736.7	534.0	3.49	4.00	3.25	YES	
L0005507	0	0.17170E-06	465805.3	3783731.2	533.8	3.49	4.00	3.25	YES	
L0005508	0	0.17170E-06	465812.0	3783725.8	533.4	3.49	4.00	3.25	YES	
L0005509	0	0.17170E-06	465818.6	3783720.3	533.0	3.49	4.00	3.25	YES	
L0005510	0	0.17170E-06	465825.2	3783714.9	532.5	3.49	4.00	3.25	YES	
L0005511	0	0.17170E-06	465831.9	3783709.4	532.2	3.49	4.00	3.25	YES	
L0005512	0	0.17170E-06	465838.3	3783703.7	531.9	3.49	4.00	3.25	YES	
L0005513	0	0.17170E-06	465844.2	3783697.5	531.8	3.49	4.00	3.25	YES	
L0005514	0	0.17170E-06	465850.2	3783691.4	531.5	3.49	4.00	3.25	YES	
L0005515	0	0.17170E-06	465856.2	3783685.2	531.3	3.49	4.00	3.25	YES	
L0005516	0	0.17170E-06	465862.2	3783679.0	531.1	3.49	4.00	3.25	YES	
L0005517	0	0.17170E-06	465868.1	3783672.8	530.9	3.49	4.00	3.25	YES	
L0005518	0	0.17170E-06	465874.1	3783666.7	530.7	3.49	4.00	3.25	YES	
L0005519	0	0.17170E-06	465880.1	3783660.5	530.5	3.49	4.00	3.25	YES	
L0005520	0	0.17170E-06	465886.1	3783654.3	530.3	3.49	4.00	3.25	YES	
L0005521	0	0.17170E-06	465892.0	3783648.2	530.1	3.49	4.00	3.25	YES	
L0005522	0	0.17170E-06	465898.0	3783642.0	530.0	3.49	4.00	3.25	YES	
L0005523	0	0.17170E-06	465904.0	3783635.8	530.0	3.49	4.00	3.25	YES	
L0005524	0	0.17170E-06	465910.0	3783629.6	530.0	3.49	4.00	3.25	YES	
L0005525	0	0.17170E-06	465915.9	3783623.5	530.0	3.49	4.00	3.25	YES	

L0005526	0	0.17170E-06	465921.9	3783617.3	530.0	3.49	4.00	3.25	YES
L0005527	0	0.17170E-06	465927.9	3783611.1	529.8	3.49	4.00	3.25	YES
L0005528	0	0.17170E-06	465933.9	3783604.9	529.6	3.49	4.00	3.25	YES
L0005529	0	0.17170E-06	465939.8	3783598.8	529.4	3.49	4.00	3.25	YES
L0005530	0	0.17170E-06	465945.8	3783592.6	529.2	3.49	4.00	3.25	YES
L0005531	0	0.17170E-06	465951.8	3783586.4	529.0	3.49	4.00	3.25	YES
L0005532	0	0.17170E-06	465957.8	3783580.3	529.0	3.49	4.00	3.25	YES
L0005533	0	0.17170E-06	465963.7	3783574.1	529.0	3.49	4.00	3.25	YES
L0005534	0	0.17170E-06	465969.7	3783567.9	529.0	3.49	4.00	3.25	YES
L0005535	0	0.17170E-06	465975.7	3783561.7	529.0	3.49	4.00	3.25	YES
L0005536	0	0.17170E-06	465981.6	3783555.6	529.0	3.49	4.00	3.25	YES
L0005537	0	0.17170E-06	465987.6	3783549.4	528.8	3.49	4.00	3.25	YES
L0005538	0	0.17170E-06	465993.6	3783543.2	528.6	3.49	4.00	3.25	YES
L0005539	0	0.17170E-06	465999.6	3783537.0	528.4	3.49	4.00	3.25	YES
L0005540	0	0.17170E-06	466005.5	3783530.9	528.2	3.49	4.00	3.25	YES
L0005541	0	0.17170E-06	466011.5	3783524.7	527.9	3.49	4.00	3.25	YES
L0005542	0	0.17170E-06	466017.5	3783518.5	527.3	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005543	0	0.17170E-06	466023.5	3783512.4	526.7	3.49	4.00	3.25	YES	
L0005544	0	0.17170E-06	466029.4	3783506.2	526.0	3.49	4.00	3.25	YES	
L0005545	0	0.17170E-06	466035.4	3783500.0	525.4	3.49	4.00	3.25	YES	
L0005546	0	0.17170E-06	466041.4	3783493.8	525.0	3.49	4.00	3.25	YES	
L0005547	0	0.17170E-06	466047.4	3783487.7	524.8	3.49	4.00	3.25	YES	
L0005548	0	0.17170E-06	466053.3	3783481.5	524.6	3.49	4.00	3.25	YES	
L0005549	0	0.17170E-06	466059.0	3783475.0	524.3	3.49	4.00	3.25	YES	
L0005550	0	0.17170E-06	466064.5	3783468.5	524.2	3.49	4.00	3.25	YES	
L0005551	0	0.17170E-06	466070.1	3783461.9	524.3	3.49	4.00	3.25	YES	
L0005552	0	0.17170E-06	466075.6	3783455.4	524.3	3.49	4.00	3.25	YES	
L0005553	0	0.17170E-06	466081.2	3783448.8	524.3	3.49	4.00	3.25	YES	
L0005554	0	0.17170E-06	466086.8	3783442.3	524.2	3.49	4.00	3.25	YES	
L0005555	0	0.17170E-06	466092.3	3783435.7	524.1	3.49	4.00	3.25	YES	
L0005556	0	0.17170E-06	466097.9	3783429.2	524.0	3.49	4.00	3.25	YES	
L0005557	0	0.17170E-06	466103.4	3783422.6	524.0	3.49	4.00	3.25	YES	
L0005558	0	0.17170E-06	466109.0	3783416.1	524.0	3.49	4.00	3.25	YES	
L0005559	0	0.17170E-06	466114.6	3783409.5	523.9	3.49	4.00	3.25	YES	
L0005560	0	0.17170E-06	466120.1	3783403.0	524.0	3.49	4.00	3.25	YES	
L0005561	0	0.17170E-06	466125.7	3783396.4	524.0	3.49	4.00	3.25	YES	
L0005562	0	0.17170E-06	466131.2	3783389.9	524.0	3.49	4.00	3.25	YES	
L0005563	0	0.17170E-06	466136.8	3783383.3	524.0	3.49	4.00	3.25	YES	
L0005564	0	0.17170E-06	466142.4	3783376.8	524.0	3.49	4.00	3.25	YES	
L0005565	0	0.17170E-06	466147.9	3783370.2	523.6	3.49	4.00	3.25	YES	
L0005566	0	0.17170E-06	466153.5	3783363.7	523.1	3.49	4.00	3.25	YES	
L0005567	0	0.17170E-06	466159.0	3783357.1	522.6	3.49	4.00	3.25	YES	
L0005568	0	0.17170E-06	466164.6	3783350.6	522.2	3.49	4.00	3.25	YES	
L0005569	0	0.17170E-06	466170.2	3783344.1	521.9	3.49	4.00	3.25	YES	
L0005570	0	0.17170E-06	466175.7	3783337.5	521.8	3.49	4.00	3.25	YES	
L0005571	0	0.17170E-06	466181.3	3783331.0	521.5	3.49	4.00	3.25	YES	
L0005572	0	0.17170E-06	466186.8	3783324.4	521.3	3.49	4.00	3.25	YES	
L0005573	0	0.17170E-06	466192.4	3783317.9	521.1	3.49	4.00	3.25	YES	
L0005574	0	0.17170E-06	466198.0	3783311.3	520.8	3.49	4.00	3.25	YES	
L0005575	0	0.17170E-06	466203.5	3783304.8	520.6	3.49	4.00	3.25	YES	

L0005576	0	0.17170E-06	466209.1	3783298.2	520.4	3.49	4.00	3.25	YES
L0005577	0	0.17170E-06	466214.6	3783291.6	520.1	3.49	4.00	3.25	YES
L0005578	0	0.17170E-06	466219.8	3783284.8	519.9	3.49	4.00	3.25	YES
L0005579	0	0.17170E-06	466225.0	3783277.9	519.7	3.49	4.00	3.25	YES
L0005580	0	0.17170E-06	466230.1	3783271.1	519.5	3.49	4.00	3.25	YES
L0005581	0	0.17170E-06	466235.3	3783264.2	519.3	3.49	4.00	3.25	YES
L0005582	0	0.17170E-06	466240.5	3783257.4	519.0	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005583	0	0.17170E-06	466245.7	3783250.5	518.8	3.49	4.00	3.25	YES	
L0005584	0	0.17170E-06	466250.9	3783243.7	518.6	3.49	4.00	3.25	YES	
L0005585	0	0.17170E-06	466256.1	3783236.8	518.3	3.49	4.00	3.25	YES	
L0005586	0	0.17170E-06	466261.2	3783230.0	518.1	3.49	4.00	3.25	YES	
L0005587	0	0.17170E-06	466266.4	3783223.1	518.0	3.49	4.00	3.25	YES	
L0005588	0	0.17170E-06	466271.6	3783216.3	518.0	3.49	4.00	3.25	YES	
L0005589	0	0.17170E-06	466276.8	3783209.4	517.9	3.49	4.00	3.25	YES	
L0005590	0	0.17170E-06	466282.0	3783202.6	517.7	3.49	4.00	3.25	YES	
L0005591	0	0.17170E-06	466287.1	3783195.7	517.4	3.49	4.00	3.25	YES	
L0005592	0	0.17170E-06	466292.3	3783188.9	517.0	3.49	4.00	3.25	YES	
L0005593	0	0.17170E-06	466297.5	3783182.0	516.6	3.49	4.00	3.25	YES	
L0005594	0	0.17170E-06	466302.7	3783175.2	516.3	3.49	4.00	3.25	YES	
L0005595	0	0.17170E-06	466307.9	3783168.3	516.1	3.49	4.00	3.25	YES	
L0005596	0	0.17170E-06	466313.1	3783161.5	515.9	3.49	4.00	3.25	YES	
L0005597	0	0.17170E-06	466318.2	3783154.6	515.8	3.49	4.00	3.25	YES	
L0005598	0	0.17170E-06	466323.4	3783147.8	515.5	3.49	4.00	3.25	YES	
L0005599	0	0.17170E-06	466328.6	3783140.9	515.2	3.49	4.00	3.25	YES	
L0005600	0	0.17170E-06	466333.8	3783134.1	514.9	3.49	4.00	3.25	YES	
L0005601	0	0.17170E-06	466339.0	3783127.2	514.7	3.49	4.00	3.25	YES	
L0005602	0	0.17170E-06	466344.2	3783120.4	514.5	3.49	4.00	3.25	YES	
L0005603	0	0.17170E-06	466349.3	3783113.5	514.2	3.49	4.00	3.25	YES	
L0005604	0	0.17170E-06	466354.5	3783106.7	514.0	3.49	4.00	3.25	YES	
L0005605	0	0.17170E-06	466359.7	3783099.8	513.8	3.49	4.00	3.25	YES	
L0005606	0	0.17170E-06	466364.9	3783093.0	513.6	3.49	4.00	3.25	YES	
L0005607	0	0.17170E-06	466370.1	3783086.1	513.3	3.49	4.00	3.25	YES	
L0005608	0	0.17170E-06	466375.3	3783079.3	513.1	3.49	4.00	3.25	YES	
L0005609	0	0.17170E-06	466380.4	3783072.4	512.9	3.49	4.00	3.25	YES	
L0005610	0	0.17170E-06	466385.6	3783065.6	512.6	3.49	4.00	3.25	YES	
L0005611	0	0.17170E-06	466390.8	3783058.7	512.4	3.49	4.00	3.25	YES	
L0005612	0	0.17170E-06	466396.0	3783051.9	512.2	3.49	4.00	3.25	YES	
L0005613	0	0.17170E-06	466401.2	3783045.0	512.0	3.49	4.00	3.25	YES	
L0005614	0	0.17170E-06	466406.3	3783038.2	512.0	3.49	4.00	3.25	YES	
L0005615	0	0.17170E-06	466411.5	3783031.3	512.0	3.49	4.00	3.25	YES	
L0005616	0	0.17170E-06	466416.7	3783024.5	512.0	3.49	4.00	3.25	YES	
L0005617	0	0.17170E-06	466421.9	3783017.6	512.0	3.49	4.00	3.25	YES	
L0005618	0	0.17170E-06	466427.1	3783010.8	511.8	3.49	4.00	3.25	YES	
L0005619	0	0.17170E-06	466432.3	3783003.9	511.6	3.49	4.00	3.25	YES	
L0005620	0	0.17170E-06	466437.4	3782997.1	511.4	3.49	4.00	3.25	YES	
L0005621	0	0.17170E-06	466442.6	3782990.2	511.1	3.49	4.00	3.25	YES	
L0005622	0	0.17170E-06	466447.8	3782983.4	510.9	3.49	4.00	3.25	YES	

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L0005623	0	0.17170E-06	466453.0	3782976.5	510.7	3.49	4.00	3.25	YES	
L0005624	0	0.17170E-06	466458.2	3782969.7	510.4	3.49	4.00	3.25	YES	
L0005625	0	0.17170E-06	466463.4	3782962.8	510.2	3.49	4.00	3.25	YES	
L0005626	0	0.17170E-06	466468.5	3782956.0	510.0	3.49	4.00	3.25	YES	
L0005627	0	0.17170E-06	466473.7	3782949.1	510.0	3.49	4.00	3.25	YES	
L0005628	0	0.17170E-06	466478.9	3782942.3	510.0	3.49	4.00	3.25	YES	
L0005629	0	0.17170E-06	466484.1	3782935.4	510.0	3.49	4.00	3.25	YES	
L0005630	0	0.17170E-06	466489.3	3782928.6	510.0	3.49	4.00	3.25	YES	
L0005631	0	0.17170E-06	466494.5	3782921.7	509.9	3.49	4.00	3.25	YES	
L0005632	0	0.17170E-06	466499.6	3782914.9	509.6	3.49	4.00	3.25	YES	
L0005633	0	0.73700E-07	465205.6	3784226.3	550.0	3.49	4.00	3.25	YES	
L0005634	0	0.73700E-07	465212.2	3784220.8	550.0	3.49	4.00	3.25	YES	
L0005635	0	0.73700E-07	465218.8	3784215.3	550.0	3.49	4.00	3.25	YES	
L0005636	0	0.73700E-07	465225.4	3784209.9	549.6	3.49	4.00	3.25	YES	
L0005637	0	0.73700E-07	465232.0	3784204.4	549.3	3.49	4.00	3.25	YES	
L0005638	0	0.73700E-07	465238.7	3784198.9	549.1	3.49	4.00	3.25	YES	
L0005639	0	0.73700E-07	465245.3	3784193.4	549.0	3.49	4.00	3.25	YES	
L0005640	0	0.73700E-07	465251.9	3784187.9	548.9	3.49	4.00	3.25	YES	
L0005641	0	0.73700E-07	465258.5	3784182.5	548.6	3.49	4.00	3.25	YES	
L0005642	0	0.73700E-07	465265.1	3784177.0	548.3	3.49	4.00	3.25	YES	
L0005643	0	0.73700E-07	465271.7	3784171.5	548.1	3.49	4.00	3.25	YES	
L0005644	0	0.73700E-07	465278.3	3784166.0	548.0	3.49	4.00	3.25	YES	
L0005645	0	0.73700E-07	465284.9	3784160.5	548.0	3.49	4.00	3.25	YES	
L0005646	0	0.73700E-07	465291.6	3784155.0	548.0	3.49	4.00	3.25	YES	
L0005647	0	0.73700E-07	465298.2	3784149.6	547.8	3.49	4.00	3.25	YES	
L0005648	0	0.73700E-07	465304.8	3784144.1	547.6	3.49	4.00	3.25	YES	
L0005649	0	0.73700E-07	465311.4	3784138.6	547.3	3.49	4.00	3.25	YES	
L0005650	0	0.73700E-07	465318.0	3784133.1	546.7	3.49	4.00	3.25	YES	
L0005651	0	0.73700E-07	465324.6	3784127.6	546.0	3.49	4.00	3.25	YES	
L0005652	0	0.73700E-07	465331.2	3784122.1	545.5	3.49	4.00	3.25	YES	
L0005653	0	0.73700E-07	465337.9	3784116.7	545.1	3.49	4.00	3.25	YES	
L0005654	0	0.73700E-07	465344.5	3784111.2	545.0	3.49	4.00	3.25	YES	
L0005655	0	0.73700E-07	465351.1	3784105.7	545.0	3.49	4.00	3.25	YES	
L0005656	0	0.73700E-07	465357.7	3784100.2	545.0	3.49	4.00	3.25	YES	
L0005657	0	0.73700E-07	465364.3	3784094.7	544.9	3.49	4.00	3.25	YES	
L0005658	0	0.73700E-07	465370.9	3784089.3	543.5	3.49	4.00	3.25	YES	
L0005659	0	0.73700E-07	465377.5	3784083.8	543.1	3.49	4.00	3.25	YES	
L0005660	0	0.73700E-07	465384.1	3784078.3	542.9	3.49	4.00	3.25	YES	
L0005661	0	0.73700E-07	465390.8	3784072.8	542.8	3.49	4.00	3.25	YES	
L0005662	0	0.73700E-07	465397.4	3784067.3	542.9	3.49	4.00	3.25	YES	

*** VOLUME SOURCE DATA ***

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005663	0	0.73700E-07	465404.0	3784061.8	542.9	3.49	4.00	3.25	YES	
L0005664	0	0.73700E-07	465410.6	3784056.4	542.8	3.49	4.00	3.25	YES	
L0005665	0	0.73700E-07	465417.2	3784050.9	542.8	3.49	4.00	3.25	YES	
L0005666	0	0.73700E-07	465423.8	3784045.4	542.9	3.49	4.00	3.25	YES	
L0005667	0	0.73700E-07	465430.4	3784039.9	543.0	3.49	4.00	3.25	YES	
L0005668	0	0.73700E-07	465437.0	3784034.4	542.9	3.49	4.00	3.25	YES	
L0005669	0	0.73700E-07	465443.7	3784028.9	542.8	3.49	4.00	3.25	YES	
L0005670	0	0.73700E-07	465450.3	3784023.5	542.6	3.49	4.00	3.25	YES	
L0005671	0	0.73700E-07	465456.9	3784018.0	542.4	3.49	4.00	3.25	YES	
L0005672	0	0.73700E-07	465463.5	3784012.5	542.2	3.49	4.00	3.25	YES	
L0005673	0	0.73700E-07	465470.1	3784007.0	542.0	3.49	4.00	3.25	YES	
L0005674	0	0.73700E-07	465476.7	3784001.5	541.9	3.49	4.00	3.25	YES	
L0005675	0	0.73700E-07	465483.3	3783996.1	541.7	3.49	4.00	3.25	YES	
L0005676	0	0.73700E-07	465490.0	3783990.6	541.5	3.49	4.00	3.25	YES	
L0005677	0	0.73700E-07	465496.6	3783985.1	541.1	3.49	4.00	3.25	YES	
L0005678	0	0.73700E-07	465503.2	3783979.7	540.7	3.49	4.00	3.25	YES	
L0005679	0	0.73700E-07	465509.9	3783974.2	540.3	3.49	4.00	3.25	YES	
L0005680	0	0.73700E-07	465516.5	3783968.7	540.1	3.49	4.00	3.25	YES	
L0005681	0	0.73700E-07	465523.1	3783963.3	539.9	3.49	4.00	3.25	YES	
L0005682	0	0.73700E-07	465529.8	3783957.8	539.8	3.49	4.00	3.25	YES	
L0005683	0	0.73700E-07	465536.4	3783952.4	539.6	3.49	4.00	3.25	YES	
L0005684	0	0.73700E-07	465543.0	3783946.9	539.2	3.49	4.00	3.25	YES	
L0005685	0	0.73700E-07	465549.7	3783941.5	539.0	3.49	4.00	3.25	YES	
L0005686	0	0.73700E-07	465556.3	3783936.0	538.9	3.49	4.00	3.25	YES	
L0005687	0	0.73700E-07	465562.9	3783930.6	538.8	3.49	4.00	3.25	YES	
L0005688	0	0.73700E-07	465569.6	3783925.1	538.5	3.49	4.00	3.25	YES	
L0005689	0	0.73700E-07	465576.2	3783919.6	538.2	3.49	4.00	3.25	YES	
L0005690	0	0.73700E-07	465582.8	3783914.2	538.0	3.49	4.00	3.25	YES	
L0005691	0	0.73700E-07	465589.5	3783908.7	538.0	3.49	4.00	3.25	YES	
L0005692	0	0.73700E-07	465596.1	3783903.3	538.0	3.49	4.00	3.25	YES	
L0005693	0	0.73700E-07	465602.7	3783897.8	538.0	3.49	4.00	3.25	YES	
L0005694	0	0.73700E-07	465609.4	3783892.4	538.0	3.49	4.00	3.25	YES	
L0005695	0	0.73700E-07	465616.0	3783886.9	537.8	3.49	4.00	3.25	YES	
L0005696	0	0.73700E-07	465622.6	3783881.5	537.5	3.49	4.00	3.25	YES	
L0005697	0	0.73700E-07	465629.3	3783876.0	537.2	3.49	4.00	3.25	YES	
L0005698	0	0.73700E-07	465635.9	3783870.5	537.1	3.49	4.00	3.25	YES	
L0005699	0	0.73700E-07	465642.6	3783865.1	536.9	3.49	4.00	3.25	YES	
L0005700	0	0.73700E-07	465649.2	3783859.6	536.7	3.49	4.00	3.25	YES	
L0005701	0	0.73700E-07	465655.8	3783854.2	536.4	3.49	4.00	3.25	YES	
L0005702	0	0.73700E-07	465662.5	3783848.7	536.2	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005703	0	0.73700E-07	465669.1	3783843.3	536.0	3.49	4.00	3.25	YES	
L0005704	0	0.73700E-07	465675.7	3783837.8	536.0	3.49	4.00	3.25	YES	
L0005705	0	0.73700E-07	465682.4	3783832.3	536.0	3.49	4.00	3.25	YES	
L0005706	0	0.73700E-07	465689.0	3783826.9	536.0	3.49	4.00	3.25	YES	
L0005707	0	0.73700E-07	465695.6	3783821.4	535.9	3.49	4.00	3.25	YES	
L0005708	0	0.73700E-07	465702.3	3783816.0	535.6	3.49	4.00	3.25	YES	

L0005709	0	0.73700E-07	465708.9	3783810.5	535.3	3.49	4.00	3.25	YES
L0005710	0	0.73700E-07	465715.5	3783805.1	535.1	3.49	4.00	3.25	YES
L0005711	0	0.73700E-07	465722.2	3783799.6	535.0	3.49	4.00	3.25	YES
L0005712	0	0.73700E-07	465728.8	3783794.2	535.0	3.49	4.00	3.25	YES
L0005713	0	0.73700E-07	465735.4	3783788.7	535.0	3.49	4.00	3.25	YES
L0005714	0	0.73700E-07	465742.1	3783783.2	535.0	3.49	4.00	3.25	YES
L0005715	0	0.73700E-07	465748.7	3783777.8	535.0	3.49	4.00	3.25	YES
L0005716	0	0.73700E-07	465755.3	3783772.3	535.0	3.49	4.00	3.25	YES
L0005717	0	0.73700E-07	465762.0	3783766.9	535.0	3.49	4.00	3.25	YES
L0005718	0	0.73700E-07	465768.6	3783761.4	534.8	3.49	4.00	3.25	YES
L0005719	0	0.73700E-07	465775.2	3783756.0	534.7	3.49	4.00	3.25	YES
L0005720	0	0.73700E-07	465781.9	3783750.5	534.5	3.49	4.00	3.25	YES
L0005721	0	0.73700E-07	465788.5	3783745.0	534.3	3.49	4.00	3.25	YES
L0005722	0	0.73700E-07	465795.1	3783739.6	534.1	3.49	4.00	3.25	YES
L0005723	0	0.73700E-07	465801.8	3783734.1	533.9	3.49	4.00	3.25	YES
L0005724	0	0.73700E-07	465808.4	3783728.7	533.6	3.49	4.00	3.25	YES
L0005725	0	0.73700E-07	465815.1	3783723.2	533.2	3.49	4.00	3.25	YES
L0005726	0	0.73700E-07	465821.7	3783717.8	532.8	3.49	4.00	3.25	YES
L0005727	0	0.73700E-07	465828.3	3783712.3	532.3	3.49	4.00	3.25	YES
L0005728	0	0.73700E-07	465835.0	3783706.9	532.0	3.49	4.00	3.25	YES
L0005729	0	0.73700E-07	465841.1	3783700.8	531.9	3.49	4.00	3.25	YES
L0005730	0	0.73700E-07	465847.0	3783694.7	531.6	3.49	4.00	3.25	YES
L0005731	0	0.73700E-07	465853.0	3783688.5	531.4	3.49	4.00	3.25	YES
L0005732	0	0.73700E-07	465859.0	3783682.3	531.2	3.49	4.00	3.25	YES
L0005733	0	0.73700E-07	465865.0	3783676.1	531.0	3.49	4.00	3.25	YES
L0005734	0	0.73700E-07	465870.9	3783670.0	530.8	3.49	4.00	3.25	YES
L0005735	0	0.73700E-07	465876.9	3783663.8	530.6	3.49	4.00	3.25	YES
L0005736	0	0.73700E-07	465882.9	3783657.6	530.4	3.49	4.00	3.25	YES
L0005737	0	0.73700E-07	465888.9	3783651.4	530.2	3.49	4.00	3.25	YES
L0005738	0	0.73700E-07	465894.8	3783645.3	530.0	3.49	4.00	3.25	YES
L0005739	0	0.73700E-07	465900.8	3783639.1	530.0	3.49	4.00	3.25	YES
L0005740	0	0.73700E-07	465906.8	3783632.9	530.0	3.49	4.00	3.25	YES
L0005741	0	0.73700E-07	465912.7	3783626.8	530.0	3.49	4.00	3.25	YES
L0005742	0	0.73700E-07	465918.7	3783620.6	530.0	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005743	0	0.73700E-07	465924.7	3783614.4	529.9	3.49	4.00	3.25	YES	
L0005744	0	0.73700E-07	465930.7	3783608.2	529.7	3.49	4.00	3.25	YES	
L0005745	0	0.73700E-07	465936.6	3783602.1	529.5	3.49	4.00	3.25	YES	
L0005746	0	0.73700E-07	465942.6	3783595.9	529.3	3.49	4.00	3.25	YES	
L0005747	0	0.73700E-07	465948.6	3783589.7	529.1	3.49	4.00	3.25	YES	
L0005748	0	0.73700E-07	465954.6	3783583.5	529.0	3.49	4.00	3.25	YES	
L0005749	0	0.73700E-07	465960.5	3783577.4	529.0	3.49	4.00	3.25	YES	
L0005750	0	0.73700E-07	465966.5	3783571.2	529.0	3.49	4.00	3.25	YES	
L0005751	0	0.73700E-07	465972.5	3783565.0	529.0	3.49	4.00	3.25	YES	
L0005752	0	0.73700E-07	465978.5	3783558.9	529.0	3.49	4.00	3.25	YES	
L0005753	0	0.73700E-07	465984.4	3783552.7	528.9	3.49	4.00	3.25	YES	
L0005754	0	0.73700E-07	465990.4	3783546.5	528.7	3.49	4.00	3.25	YES	
L0005755	0	0.73700E-07	465996.4	3783540.3	528.5	3.49	4.00	3.25	YES	
L0005756	0	0.73700E-07	466002.4	3783534.2	528.3	3.49	4.00	3.25	YES	
L0005757	0	0.73700E-07	466008.3	3783528.0	528.1	3.49	4.00	3.25	YES	
L0005758	0	0.73700E-07	466014.3	3783521.8	527.6	3.49	4.00	3.25	YES	

L0005759	0	0.73700E-07	466020.3	3783515.6	527.1	3.49	4.00	3.25	YES
L0005760	0	0.73700E-07	466026.3	3783509.5	526.4	3.49	4.00	3.25	YES
L0005761	0	0.73700E-07	466032.2	3783503.3	525.7	3.49	4.00	3.25	YES
L0005762	0	0.73700E-07	466038.2	3783497.1	525.1	3.49	4.00	3.25	YES
L0005763	0	0.73700E-07	466044.2	3783491.0	524.9	3.49	4.00	3.25	YES
L0005764	0	0.73700E-07	466050.1	3783484.8	524.7	3.49	4.00	3.25	YES
L0005765	0	0.73700E-07	466056.0	3783478.5	524.5	3.49	4.00	3.25	YES
L0005766	0	0.73700E-07	466061.6	3783472.0	524.2	3.49	4.00	3.25	YES
L0005767	0	0.73700E-07	466067.1	3783465.4	524.2	3.49	4.00	3.25	YES
L0005768	0	0.73700E-07	466072.7	3783458.9	524.3	3.49	4.00	3.25	YES
L0005769	0	0.73700E-07	466078.2	3783452.3	524.3	3.49	4.00	3.25	YES
L0005770	0	0.73700E-07	466083.8	3783445.8	524.2	3.49	4.00	3.25	YES
L0005771	0	0.73700E-07	466089.4	3783439.2	524.1	3.49	4.00	3.25	YES
L0005772	0	0.73700E-07	466094.9	3783432.7	524.0	3.49	4.00	3.25	YES
L0005773	0	0.73700E-07	466100.5	3783426.1	524.0	3.49	4.00	3.25	YES
L0005774	0	0.73700E-07	466106.0	3783419.6	524.0	3.49	4.00	3.25	YES
L0005775	0	0.73700E-07	466111.6	3783413.0	523.9	3.49	4.00	3.25	YES
L0005776	0	0.73700E-07	466117.2	3783406.5	523.9	3.49	4.00	3.25	YES
L0005777	0	0.73700E-07	466122.7	3783399.9	524.0	3.49	4.00	3.25	YES
L0005778	0	0.73700E-07	466128.3	3783393.4	524.0	3.49	4.00	3.25	YES
L0005779	0	0.73700E-07	466133.8	3783386.8	524.0	3.49	4.00	3.25	YES
L0005780	0	0.73700E-07	466139.4	3783380.3	524.0	3.49	4.00	3.25	YES
L0005781	0	0.73700E-07	466145.0	3783373.7	523.8	3.49	4.00	3.25	YES
L0005782	0	0.73700E-07	466150.5	3783367.2	523.4	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005783	0	0.73700E-07	466156.1	3783360.6	522.9	3.49	4.00	3.25	YES	
L0005784	0	0.73700E-07	466161.6	3783354.1	522.4	3.49	4.00	3.25	YES	
L0005785	0	0.73700E-07	466167.2	3783347.5	522.1	3.49	4.00	3.25	YES	
L0005786	0	0.73700E-07	466172.8	3783341.0	521.9	3.49	4.00	3.25	YES	
L0005787	0	0.73700E-07	466178.3	3783334.4	521.6	3.49	4.00	3.25	YES	
L0005788	0	0.73700E-07	466183.9	3783327.9	521.4	3.49	4.00	3.25	YES	
L0005789	0	0.73700E-07	466189.4	3783321.3	521.2	3.49	4.00	3.25	YES	
L0005790	0	0.73700E-07	466195.0	3783314.8	520.9	3.49	4.00	3.25	YES	
L0005791	0	0.73700E-07	466200.6	3783308.3	520.7	3.49	4.00	3.25	YES	
L0005792	0	0.73700E-07	466206.1	3783301.7	520.5	3.49	4.00	3.25	YES	
L0005793	0	0.73700E-07	466211.7	3783295.2	520.3	3.49	4.00	3.25	YES	
L0005794	0	0.73700E-07	466217.0	3783288.4	520.1	3.49	4.00	3.25	YES	
L0005795	0	0.73700E-07	466222.2	3783281.6	519.8	3.49	4.00	3.25	YES	
L0005796	0	0.73700E-07	466227.4	3783274.7	519.6	3.49	4.00	3.25	YES	
L0005797	0	0.73700E-07	466232.6	3783267.9	519.4	3.49	4.00	3.25	YES	
L0005798	0	0.73700E-07	466237.7	3783261.0	519.2	3.49	4.00	3.25	YES	
L0005799	0	0.73700E-07	466242.9	3783254.2	518.9	3.49	4.00	3.25	YES	
L0005800	0	0.73700E-07	466248.1	3783247.3	518.7	3.49	4.00	3.25	YES	
L0005801	0	0.73700E-07	466253.3	3783240.5	518.5	3.49	4.00	3.25	YES	
L0005802	0	0.73700E-07	466258.5	3783233.6	518.2	3.49	4.00	3.25	YES	
L0005803	0	0.73700E-07	466263.7	3783226.8	518.0	3.49	4.00	3.25	YES	
L0005804	0	0.73700E-07	466268.8	3783219.9	518.0	3.49	4.00	3.25	YES	
L0005805	0	0.73700E-07	466274.0	3783213.1	517.9	3.49	4.00	3.25	YES	
L0005806	0	0.73700E-07	466279.2	3783206.2	517.8	3.49	4.00	3.25	YES	
L0005807	0	0.73700E-07	466284.4	3783199.4	517.6	3.49	4.00	3.25	YES	
L0005808	0	0.73700E-07	466289.6	3783192.5	517.2	3.49	4.00	3.25	YES	

L0005809	0	0.73700E-07	466294.8	3783185.7	516.8	3.49	4.00	3.25	YES
L0005810	0	0.73700E-07	466299.9	3783178.8	516.4	3.49	4.00	3.25	YES
L0005811	0	0.73700E-07	466305.1	3783172.0	516.2	3.49	4.00	3.25	YES
L0005812	0	0.73700E-07	466310.3	3783165.1	516.0	3.49	4.00	3.25	YES
L0005813	0	0.73700E-07	466315.5	3783158.3	515.9	3.49	4.00	3.25	YES
L0005814	0	0.73700E-07	466320.7	3783151.4	515.7	3.49	4.00	3.25	YES
L0005815	0	0.73700E-07	466325.8	3783144.6	515.4	3.49	4.00	3.25	YES
L0005816	0	0.73700E-07	466331.0	3783137.7	515.0	3.49	4.00	3.25	YES
L0005817	0	0.73700E-07	466336.2	3783130.9	514.8	3.49	4.00	3.25	YES
L0005818	0	0.73700E-07	466341.4	3783124.0	514.6	3.49	4.00	3.25	YES
L0005819	0	0.73700E-07	466346.6	3783117.2	514.4	3.49	4.00	3.25	YES
L0005820	0	0.73700E-07	466351.8	3783110.3	514.1	3.49	4.00	3.25	YES
L0005821	0	0.73700E-07	466356.9	3783103.5	513.9	3.49	4.00	3.25	YES
L0005822	0	0.73700E-07	466362.1	3783096.6	513.7	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005823	0	0.73700E-07	466367.3	3783089.8	513.4	3.49	4.00	3.25	YES	
L0005824	0	0.73700E-07	466372.5	3783082.9	513.2	3.49	4.00	3.25	YES	
L0005825	0	0.73700E-07	466377.7	3783076.1	513.0	3.49	4.00	3.25	YES	
L0005826	0	0.73700E-07	466382.9	3783069.2	512.8	3.49	4.00	3.25	YES	
L0005827	0	0.73700E-07	466388.0	3783062.4	512.5	3.49	4.00	3.25	YES	
L0005828	0	0.73700E-07	466393.2	3783055.5	512.3	3.49	4.00	3.25	YES	
L0005829	0	0.73700E-07	466398.4	3783048.7	512.1	3.49	4.00	3.25	YES	
L0005830	0	0.73700E-07	466403.6	3783041.8	512.0	3.49	4.00	3.25	YES	
L0005831	0	0.73700E-07	466408.8	3783035.0	512.0	3.49	4.00	3.25	YES	
L0005832	0	0.73700E-07	466414.0	3783028.1	512.0	3.49	4.00	3.25	YES	
L0005833	0	0.73700E-07	466419.1	3783021.3	512.0	3.49	4.00	3.25	YES	
L0005834	0	0.73700E-07	466424.3	3783014.4	511.9	3.49	4.00	3.25	YES	
L0005835	0	0.73700E-07	466429.5	3783007.6	511.7	3.49	4.00	3.25	YES	
L0005836	0	0.73700E-07	466434.7	3783000.7	511.5	3.49	4.00	3.25	YES	
L0005837	0	0.73700E-07	466439.9	3782993.9	511.3	3.49	4.00	3.25	YES	
L0005838	0	0.73700E-07	466445.0	3782987.0	511.0	3.49	4.00	3.25	YES	
L0005839	0	0.73700E-07	466450.2	3782980.2	510.8	3.49	4.00	3.25	YES	
L0005840	0	0.73700E-07	466455.4	3782973.3	510.6	3.49	4.00	3.25	YES	
L0005841	0	0.73700E-07	466460.6	3782966.5	510.3	3.49	4.00	3.25	YES	
L0005842	0	0.73700E-07	466465.8	3782959.6	510.1	3.49	4.00	3.25	YES	
L0005843	0	0.73700E-07	466471.0	3782952.8	510.0	3.49	4.00	3.25	YES	
L0005844	0	0.73700E-07	466476.1	3782945.9	510.0	3.49	4.00	3.25	YES	
L0005845	0	0.73700E-07	466481.3	3782939.1	510.0	3.49	4.00	3.25	YES	
L0005846	0	0.73700E-07	466486.5	3782932.2	510.0	3.49	4.00	3.25	YES	
L0005847	0	0.73700E-07	466491.7	3782925.4	510.0	3.49	4.00	3.25	YES	
L0005848	0	0.73700E-07	466496.9	3782918.5	509.7	3.49	4.00	3.25	YES	
L0005849	0	0.12280E-06	466486.2	3782906.6	509.4	3.49	4.00	3.25	YES	
L0005850	0	0.12280E-06	466479.5	3782901.3	509.2	3.49	4.00	3.25	YES	
L0005851	0	0.12280E-06	466472.7	3782896.0	509.0	3.49	4.00	3.25	YES	
L0005852	0	0.12280E-06	466465.9	3782890.7	509.0	3.49	4.00	3.25	YES	
L0005853	0	0.12280E-06	466459.2	3782885.4	509.0	3.49	4.00	3.25	YES	
L0005854	0	0.12280E-06	466452.1	3782880.6	509.0	3.49	4.00	3.25	YES	
L0005855	0	0.12280E-06	466444.3	3782877.0	509.0	3.49	4.00	3.25	YES	
L0005856	0	0.12280E-06	466436.6	3782873.3	509.0	3.49	4.00	3.25	YES	
L0005857	0	0.12280E-06	466428.8	3782869.7	509.0	3.49	4.00	3.25	YES	
L0005858	0	0.12280E-06	466421.0	3782866.0	509.0	3.49	4.00	3.25	YES	

L0005859	0	0.12280E-06	466413.1	3782862.8	508.9	3.49	4.00	3.25	YES
L0005860	0	0.12280E-06	466404.7	3782860.9	508.8	3.49	4.00	3.25	YES
L0005861	0	0.12280E-06	466396.3	3782859.0	508.8	3.49	4.00	3.25	YES
L0005862	0	0.12280E-06	466388.0	3782857.0	508.7	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005863	0	0.12280E-06	466379.6	3782855.1	508.8	3.49	4.00	3.25	YES	
L0005864	0	0.12280E-06	466371.2	3782853.1	508.8	3.49	4.00	3.25	YES	
L0005865	0	0.12280E-06	466362.7	3782853.1	509.0	3.49	4.00	3.25	YES	
L0005866	0	0.12280E-06	466354.2	3782854.0	509.0	3.49	4.00	3.25	YES	
L0005867	0	0.12280E-06	466345.7	3782854.9	509.0	3.49	4.00	3.25	YES	
L0005868	0	0.12280E-06	466337.1	3782855.9	509.0	3.49	4.00	3.25	YES	
L0005869	0	0.12280E-06	466328.6	3782856.8	509.0	3.49	4.00	3.25	YES	
L0005870	0	0.12280E-06	466320.0	3782857.7	509.2	3.49	4.00	3.25	YES	
L0005871	0	0.12280E-06	466312.2	3782860.1	509.5	3.49	4.00	3.25	YES	
L0005872	0	0.12280E-06	466305.7	3782865.8	509.8	3.49	4.00	3.25	YES	
L0005873	0	0.12280E-06	466299.3	3782871.5	510.0	3.49	4.00	3.25	YES	
L0005874	0	0.12280E-06	466292.9	3782877.2	510.0	3.49	4.00	3.25	YES	
L0005875	0	0.12280E-06	466293.4	3782885.5	510.0	3.49	4.00	3.25	YES	
L0005876	0	0.12280E-06	466294.4	3782894.1	510.0	3.49	4.00	3.25	YES	
L0005877	0	0.12280E-06	466295.4	3782902.6	510.2	3.49	4.00	3.25	YES	
L0005878	0	0.12280E-06	466296.3	3782911.1	510.5	3.49	4.00	3.25	YES	
L0005879	0	0.12280E-06	466297.3	3782919.7	510.8	3.49	4.00	3.25	YES	
L0005880	0	0.12280E-06	466301.1	3782927.3	511.0	3.49	4.00	3.25	YES	
L0005881	0	0.12280E-06	466305.4	3782934.7	510.9	3.49	4.00	3.25	YES	
L0005882	0	0.12280E-06	466309.8	3782942.1	510.9	3.49	4.00	3.25	YES	
L0005883	0	0.12280E-06	466314.1	3782949.6	510.9	3.49	4.00	3.25	YES	
L0005884	0	0.12280E-06	466318.4	3782957.0	511.0	3.49	4.00	3.25	YES	
L0005885	0	0.12280E-06	466322.7	3782964.4	511.1	3.49	4.00	3.25	YES	
L0005886	0	0.12280E-06	466327.0	3782971.8	511.1	3.49	4.00	3.25	YES	
L0005887	0	0.12280E-06	466331.3	3782979.3	511.0	3.49	4.00	3.25	YES	
L0005888	0	0.12280E-06	466337.0	3782985.5	511.0	3.49	4.00	3.25	YES	
L0005889	0	0.12280E-06	466343.8	3782990.8	511.2	3.49	4.00	3.25	YES	
L0005890	0	0.12280E-06	466350.6	3782996.0	511.3	3.49	4.00	3.25	YES	
L0005891	0	0.12280E-06	466357.4	3783001.3	511.5	3.49	4.00	3.25	YES	
L0005892	0	0.12280E-06	466364.2	3783006.5	511.7	3.49	4.00	3.25	YES	
L0005893	0	0.12280E-06	466371.0	3783011.7	511.9	3.49	4.00	3.25	YES	
L0005894	0	0.12280E-06	466377.8	3783017.0	512.0	3.49	4.00	3.25	YES	
L0005895	0	0.12280E-06	466384.6	3783022.2	512.0	3.49	4.00	3.25	YES	
L0005896	0	0.12280E-06	466391.4	3783027.4	512.0	3.49	4.00	3.25	YES	
L0005897	0	0.12280E-06	466398.2	3783032.7	512.0	3.49	4.00	3.25	YES	
L0005898	0	0.12280E-06	466405.0	3783037.9	512.0	3.49	4.00	3.25	YES	
L0005899	0	0.12280E-06	466411.9	3783043.2	512.0	3.49	4.00	3.25	YES	
L0005900	0	0.12280E-06	466418.7	3783048.4	512.1	3.49	4.00	3.25	YES	
L0005901	0	0.12280E-06	466425.5	3783053.6	512.2	3.49	4.00	3.25	YES	
L0005902	0	0.12280E-06	466432.3	3783058.9	512.4	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005903	0	0.12280E-06	466439.1	3783064.1	512.6	3.49	4.00	3.25	YES	
L0005904	0	0.12280E-06	466445.9	3783069.4	512.8	3.49	4.00	3.25	YES	
L0005905	0	0.12280E-06	466452.7	3783074.6	512.9	3.49	4.00	3.25	YES	
L0005906	0	0.12280E-06	466459.5	3783079.8	513.1	3.49	4.00	3.25	YES	
L0005907	0	0.12280E-06	466466.3	3783085.1	513.3	3.49	4.00	3.25	YES	
L0005908	0	0.12280E-06	466473.1	3783090.3	513.5	3.49	4.00	3.25	YES	
L0005909	0	0.12280E-06	466479.9	3783095.5	513.6	3.49	4.00	3.25	YES	
L0005910	0	0.12280E-06	466486.7	3783100.8	513.8	3.49	4.00	3.25	YES	
L0005911	0	0.12280E-06	466493.5	3783106.0	514.0	3.49	4.00	3.25	YES	
L0005912	0	0.12280E-06	466500.4	3783111.3	514.2	3.49	4.00	3.25	YES	
L0005913	0	0.12280E-06	466507.2	3783116.5	514.3	3.49	4.00	3.25	YES	
L0005914	0	0.12280E-06	466514.0	3783121.7	514.5	3.49	4.00	3.25	YES	
L0005915	0	0.12280E-06	466520.8	3783127.0	514.7	3.49	4.00	3.25	YES	
L0005916	0	0.12280E-06	466527.6	3783132.2	514.9	3.49	4.00	3.25	YES	
L0005917	0	0.12280E-06	466534.4	3783137.5	515.0	3.49	4.00	3.25	YES	
L0005918	0	0.12280E-06	466541.2	3783142.7	515.3	3.49	4.00	3.25	YES	
L0005919	0	0.12280E-06	466548.0	3783147.9	515.7	3.49	4.00	3.25	YES	
L0005920	0	0.12280E-06	466554.8	3783153.2	516.1	3.49	4.00	3.25	YES	
L0005921	0	0.12280E-06	466561.6	3783158.4	516.5	3.49	4.00	3.25	YES	
L0005922	0	0.12280E-06	466568.4	3783163.7	516.9	3.49	4.00	3.25	YES	
L0005923	0	0.12280E-06	466573.5	3783170.5	517.4	3.49	4.00	3.25	YES	
L0005924	0	0.12280E-06	466578.5	3783177.6	517.8	3.49	4.00	3.25	YES	
L0005925	0	0.12280E-06	466583.4	3783184.6	518.2	3.49	4.00	3.25	YES	
L0005926	0	0.12280E-06	466588.4	3783191.6	518.6	3.49	4.00	3.25	YES	
L0005927	0	0.12280E-06	466593.3	3783198.6	518.8	3.49	4.00	3.25	YES	
L0005928	0	0.12280E-06	466598.3	3783205.6	518.9	3.49	4.00	3.25	YES	
L0005929	0	0.12280E-06	466603.2	3783212.7	519.0	3.49	4.00	3.25	YES	
L0005930	0	0.12280E-06	466608.2	3783219.7	519.0	3.49	4.00	3.25	YES	
L0005931	0	0.12280E-06	466613.0	3783226.8	519.0	3.49	4.00	3.25	YES	
L0005932	0	0.12280E-06	466616.9	3783234.4	519.0	3.49	4.00	3.25	YES	
L0005933	0	0.12280E-06	466620.9	3783242.1	519.0	3.49	4.00	3.25	YES	
L0005934	0	0.12280E-06	466624.8	3783249.7	519.0	3.49	4.00	3.25	YES	
L0005935	0	0.12280E-06	466628.7	3783257.3	519.0	3.49	4.00	3.25	YES	
L0005936	0	0.12280E-06	466632.6	3783265.0	519.3	3.49	4.00	3.25	YES	
L0005937	0	0.12280E-06	466636.5	3783272.6	519.5	3.49	4.00	3.25	YES	
L0005938	0	0.12280E-06	466640.4	3783280.3	519.8	3.49	4.00	3.25	YES	
L0005939	0	0.12280E-06	466644.3	3783287.9	520.1	3.49	4.00	3.25	YES	
L0005940	0	0.12280E-06	466648.2	3783295.6	520.3	3.49	4.00	3.25	YES	
L0005941	0	0.12280E-06	466652.2	3783303.2	520.6	3.49	4.00	3.25	YES	
L0005942	0	0.12280E-06	466656.1	3783310.9	520.8	3.49	4.00	3.25	YES	

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*** VOLUME SOURCE DATA ***

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L0005943	0	0.12280E-06	466660.0	3783318.5	521.1	3.49	4.00	3.25	YES
L0005944	0	0.12280E-06	466663.9	3783326.2	521.4	3.49	4.00	3.25	YES
L0005945	0	0.12280E-06	466667.8	3783333.8	521.7	3.49	4.00	3.25	YES
L0005946	0	0.12280E-06	466671.7	3783341.5	521.9	3.49	4.00	3.25	YES
L0005947	0	0.12280E-06	466675.6	3783349.1	522.1	3.49	4.00	3.25	YES
L0005948	0	0.12280E-06	466679.5	3783356.8	522.3	3.49	4.00	3.25	YES
L0005949	0	0.12280E-06	466683.5	3783364.4	522.6	3.49	4.00	3.25	YES
L0005950	0	0.12280E-06	466687.4	3783372.1	522.9	3.49	4.00	3.25	YES
L0005951	0	0.12280E-06	466691.3	3783379.7	523.2	3.49	4.00	3.25	YES
L0005952	0	0.12280E-06	466695.2	3783387.3	523.5	3.49	4.00	3.25	YES
L0005953	0	0.12280E-06	466699.1	3783395.0	523.7	3.49	4.00	3.25	YES
L0005954	0	0.12280E-06	466703.0	3783402.6	523.9	3.49	4.00	3.25	YES
L0005955	0	0.12280E-06	466706.9	3783410.3	523.9	3.49	4.00	3.25	YES
L0005956	0	0.12280E-06	466710.8	3783417.9	523.7	3.49	4.00	3.25	YES
L0005957	0	0.12280E-06	466714.8	3783425.6	523.5	3.49	4.00	3.25	YES
L0005958	0	0.12280E-06	466718.7	3783433.2	523.1	3.49	4.00	3.25	YES
L0005959	0	0.12280E-06	466722.6	3783440.9	523.0	3.49	4.00	3.25	YES
L0005960	0	0.12280E-06	466726.5	3783448.5	522.9	3.49	4.00	3.25	YES
L0005961	0	0.12280E-06	466722.8	3783454.0	522.9	3.49	4.00	3.25	YES
L0005962	0	0.12280E-06	466715.4	3783458.3	523.1	3.49	4.00	3.25	YES
L0005963	0	0.12280E-06	466708.0	3783462.6	523.4	3.49	4.00	3.25	YES
L0006087	0	0.12240E-06	466486.2	3782906.6	509.4	3.49	4.00	3.25	YES
L0006088	0	0.12240E-06	466479.5	3782901.3	509.2	3.49	4.00	3.25	YES
L0006089	0	0.12240E-06	466472.7	3782896.0	509.0	3.49	4.00	3.25	YES
L0006090	0	0.12240E-06	466465.9	3782890.7	509.0	3.49	4.00	3.25	YES
L0006091	0	0.12240E-06	466459.2	3782885.4	509.0	3.49	4.00	3.25	YES
L0006092	0	0.12240E-06	466452.1	3782880.6	509.0	3.49	4.00	3.25	YES
L0006093	0	0.12240E-06	466444.3	3782877.0	509.0	3.49	4.00	3.25	YES
L0006094	0	0.12240E-06	466436.6	3782873.3	509.0	3.49	4.00	3.25	YES
L0006095	0	0.12240E-06	466428.8	3782869.7	509.0	3.49	4.00	3.25	YES
L0006096	0	0.12240E-06	466421.0	3782866.0	509.0	3.49	4.00	3.25	YES
L0006097	0	0.12240E-06	466413.1	3782862.8	508.9	3.49	4.00	3.25	YES
L0006098	0	0.12240E-06	466404.7	3782860.9	508.8	3.49	4.00	3.25	YES
L0006099	0	0.12240E-06	466396.3	3782859.0	508.8	3.49	4.00	3.25	YES
L0006100	0	0.12240E-06	466388.0	3782857.0	508.7	3.49	4.00	3.25	YES
L0006101	0	0.12240E-06	466379.6	3782855.1	508.8	3.49	4.00	3.25	YES
L0006102	0	0.12240E-06	466371.2	3782853.1	508.8	3.49	4.00	3.25	YES
L0006103	0	0.12240E-06	466362.7	3782853.1	509.0	3.49	4.00	3.25	YES
L0006104	0	0.12240E-06	466354.2	3782854.0	509.0	3.49	4.00	3.25	YES
L0006105	0	0.12240E-06	466345.7	3782854.9	509.0	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006106	0	0.12240E-06	466337.1	3782855.9	509.0	3.49	4.00	3.25	YES	
L0006107	0	0.12240E-06	466328.6	3782856.8	509.0	3.49	4.00	3.25	YES	
L0006108	0	0.12240E-06	466320.0	3782857.7	509.2	3.49	4.00	3.25	YES	
L0006109	0	0.12240E-06	466312.2	3782860.1	509.5	3.49	4.00	3.25	YES	
L0006110	0	0.12240E-06	466305.7	3782865.8	509.8	3.49	4.00	3.25	YES	
L0006111	0	0.12240E-06	466299.3	3782871.5	510.0	3.49	4.00	3.25	YES	
L0006112	0	0.12240E-06	466292.9	3782877.2	510.0	3.49	4.00	3.25	YES	
L0006113	0	0.12240E-06	466293.4	3782885.5	510.0	3.49	4.00	3.25	YES	
L0006114	0	0.12240E-06	466294.4	3782894.1	510.0	3.49	4.00	3.25	YES	

L0006115	0	0.12240E-06	466295.4	3782902.6	510.2	3.49	4.00	3.25	YES
L0006116	0	0.12240E-06	466296.3	3782911.1	510.5	3.49	4.00	3.25	YES
L0006117	0	0.12240E-06	466297.3	3782919.7	510.8	3.49	4.00	3.25	YES
L0006118	0	0.12240E-06	466301.1	3782927.3	511.0	3.49	4.00	3.25	YES
L0006119	0	0.12240E-06	466305.4	3782934.7	510.9	3.49	4.00	3.25	YES
L0006120	0	0.12240E-06	466309.8	3782942.1	510.9	3.49	4.00	3.25	YES
L0006121	0	0.12240E-06	466314.1	3782949.6	510.9	3.49	4.00	3.25	YES
L0006122	0	0.12240E-06	466318.4	3782957.0	511.0	3.49	4.00	3.25	YES
L0006123	0	0.12240E-06	466322.7	3782964.4	511.1	3.49	4.00	3.25	YES
L0006124	0	0.12240E-06	466327.0	3782971.8	511.1	3.49	4.00	3.25	YES
L0006125	0	0.12240E-06	466331.3	3782979.3	511.0	3.49	4.00	3.25	YES
L0006126	0	0.12240E-06	466337.0	3782985.5	511.0	3.49	4.00	3.25	YES
L0006127	0	0.12240E-06	466343.8	3782990.8	511.2	3.49	4.00	3.25	YES
L0006128	0	0.12240E-06	466350.6	3782996.0	511.3	3.49	4.00	3.25	YES
L0006129	0	0.12240E-06	466357.4	3783001.3	511.5	3.49	4.00	3.25	YES
L0006130	0	0.12240E-06	466364.2	3783006.5	511.7	3.49	4.00	3.25	YES
L0006131	0	0.12240E-06	466371.0	3783011.7	511.9	3.49	4.00	3.25	YES
L0006132	0	0.12240E-06	466377.8	3783017.0	512.0	3.49	4.00	3.25	YES
L0006133	0	0.12240E-06	466384.6	3783022.2	512.0	3.49	4.00	3.25	YES
L0006134	0	0.12240E-06	466391.4	3783027.4	512.0	3.49	4.00	3.25	YES
L0006135	0	0.12240E-06	466398.2	3783032.7	512.0	3.49	4.00	3.25	YES
L0006136	0	0.12240E-06	466405.0	3783037.9	512.0	3.49	4.00	3.25	YES
L0006137	0	0.12240E-06	466411.9	3783043.2	512.0	3.49	4.00	3.25	YES
L0006138	0	0.12240E-06	466418.7	3783048.4	512.1	3.49	4.00	3.25	YES
L0006139	0	0.12240E-06	466425.5	3783053.6	512.2	3.49	4.00	3.25	YES
L0006140	0	0.12240E-06	466432.3	3783058.9	512.4	3.49	4.00	3.25	YES
L0006141	0	0.12240E-06	466439.1	3783064.1	512.6	3.49	4.00	3.25	YES
L0006142	0	0.12240E-06	466445.9	3783069.4	512.8	3.49	4.00	3.25	YES
L0006143	0	0.12240E-06	466452.7	3783074.6	512.9	3.49	4.00	3.25	YES
L0006144	0	0.12240E-06	466459.5	3783079.8	513.1	3.49	4.00	3.25	YES
L0006145	0	0.12240E-06	466466.3	3783085.1	513.3	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006146	0	0.12240E-06	466473.1	3783090.3	513.5	3.49	4.00	3.25	YES	
L0006147	0	0.12240E-06	466479.9	3783095.5	513.6	3.49	4.00	3.25	YES	
L0006148	0	0.12240E-06	466486.7	3783100.8	513.8	3.49	4.00	3.25	YES	
L0006149	0	0.12240E-06	466493.5	3783106.0	514.0	3.49	4.00	3.25	YES	
L0006150	0	0.12240E-06	466500.4	3783111.3	514.2	3.49	4.00	3.25	YES	
L0006151	0	0.12240E-06	466507.2	3783116.5	514.3	3.49	4.00	3.25	YES	
L0006152	0	0.12240E-06	466514.0	3783121.7	514.5	3.49	4.00	3.25	YES	
L0006153	0	0.12240E-06	466520.8	3783127.0	514.7	3.49	4.00	3.25	YES	
L0006154	0	0.12240E-06	466527.6	3783132.2	514.9	3.49	4.00	3.25	YES	
L0006155	0	0.12240E-06	466534.4	3783137.5	515.0	3.49	4.00	3.25	YES	
L0006156	0	0.12240E-06	466541.2	3783142.7	515.3	3.49	4.00	3.25	YES	
L0006157	0	0.12240E-06	466548.0	3783147.9	515.7	3.49	4.00	3.25	YES	
L0006158	0	0.12240E-06	466554.8	3783153.2	516.1	3.49	4.00	3.25	YES	
L0006159	0	0.12240E-06	466561.6	3783158.4	516.5	3.49	4.00	3.25	YES	
L0006160	0	0.12240E-06	466568.4	3783163.7	516.9	3.49	4.00	3.25	YES	
L0006161	0	0.12240E-06	466573.5	3783170.5	517.4	3.49	4.00	3.25	YES	
L0006162	0	0.12240E-06	466578.5	3783177.6	517.8	3.49	4.00	3.25	YES	
L0006163	0	0.12240E-06	466583.4	3783184.6	518.2	3.49	4.00	3.25	YES	
L0006164	0	0.12240E-06	466588.4	3783191.6	518.6	3.49	4.00	3.25	YES	

L0006165	0	0.12240E-06	466593.3	3783198.6	518.8	3.49	4.00	3.25	YES
L0006166	0	0.12240E-06	466598.3	3783205.6	518.9	3.49	4.00	3.25	YES
L0006167	0	0.12240E-06	466603.2	3783212.7	519.0	3.49	4.00	3.25	YES
L0006168	0	0.12240E-06	466608.2	3783219.7	519.0	3.49	4.00	3.25	YES
L0006169	0	0.12240E-06	466613.0	3783226.8	519.0	3.49	4.00	3.25	YES
L0006170	0	0.12240E-06	466617.1	3783234.3	519.0	3.49	4.00	3.25	YES
L0006171	0	0.12240E-06	466621.1	3783241.9	519.0	3.49	4.00	3.25	YES
L0006172	0	0.12240E-06	466625.1	3783249.5	519.0	3.49	4.00	3.25	YES
L0006173	0	0.12240E-06	466629.2	3783257.1	519.0	3.49	4.00	3.25	YES
L0006174	0	0.12240E-06	466633.2	3783264.7	519.3	3.49	4.00	3.25	YES
L0006175	0	0.12240E-06	466637.2	3783272.3	519.5	3.49	4.00	3.25	YES
L0006176	0	0.12240E-06	466641.3	3783279.8	519.8	3.49	4.00	3.25	YES
L0006177	0	0.12240E-06	466645.3	3783287.4	520.0	3.49	4.00	3.25	YES
L0006178	0	0.12240E-06	466649.3	3783295.0	520.3	3.49	4.00	3.25	YES
L0006179	0	0.12240E-06	466653.3	3783302.6	520.5	3.49	4.00	3.25	YES
L0006180	0	0.12240E-06	466657.4	3783310.2	520.8	3.49	4.00	3.25	YES
L0006181	0	0.12240E-06	466661.7	3783315.1	521.0	3.49	4.00	3.25	YES
L0006182	0	0.12240E-06	466667.5	3783308.7	520.9	3.49	4.00	3.25	YES
L0006183	0	0.12240E-06	466673.2	3783302.3	520.8	3.49	4.00	3.25	YES
L0006184	0	0.12240E-06	466679.0	3783295.9	520.5	3.49	4.00	3.25	YES
L0006185	0	0.12240E-06	466684.7	3783289.5	520.2	3.49	4.00	3.25	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0006186	0	0.12240E-06	466690.4	3783283.1	519.9	3.49	4.00	3.25	YES	
L0006187	0	0.12240E-06	466696.2	3783276.7	519.7	3.49	4.00	3.25	YES	
L0006188	0	0.12240E-06	466701.9	3783270.3	519.5	3.49	4.00	3.25	YES	
L0006189	0	0.12240E-06	466707.6	3783263.9	519.3	3.49	4.00	3.25	YES	
L0006190	0	0.12240E-06	466713.4	3783257.5	519.0	3.49	4.00	3.25	YES	
L0006191	0	0.12240E-06	466719.1	3783251.1	518.7	3.49	4.00	3.25	YES	
L0006192	0	0.12240E-06	466724.8	3783244.7	518.2	3.49	4.00	3.25	YES	
L0006193	0	0.12240E-06	466730.6	3783238.3	517.8	3.49	4.00	3.25	YES	
L0006194	0	0.12240E-06	466736.3	3783231.9	517.4	3.49	4.00	3.25	YES	
L0006195	0	0.12240E-06	466742.0	3783225.5	517.0	3.49	4.00	3.25	YES	
L0006196	0	0.12240E-06	466747.8	3783219.1	516.5	3.49	4.00	3.25	YES	
L0006197	0	0.12240E-06	466753.5	3783212.7	516.0	3.49	4.00	3.25	YES	
L0006198	0	0.12240E-06	466759.3	3783206.4	515.4	3.49	4.00	3.25	YES	
L0006199	0	0.12240E-06	466765.1	3783200.0	514.8	3.49	4.00	3.25	YES	
L0006200	0	0.12240E-06	466770.9	3783193.7	514.1	3.49	4.00	3.25	YES	
L0006201	0	0.12240E-06	466776.7	3783187.4	513.5	3.49	4.00	3.25	YES	
L0006202	0	0.12240E-06	466782.5	3783181.0	513.0	3.49	4.00	3.25	YES	
L0006203	0	0.12240E-06	466788.8	3783175.3	512.7	3.49	4.00	3.25	YES	
L0006204	0	0.12240E-06	466795.7	3783170.2	512.6	3.49	4.00	3.25	YES	
L0006205	0	0.12240E-06	466802.6	3783165.0	512.7	3.49	4.00	3.25	YES	
L0006206	0	0.12240E-06	466810.8	3783163.6	512.9	3.49	4.00	3.25	YES	
L0006207	0	0.12240E-06	466819.4	3783163.3	513.2	3.49	4.00	3.25	YES	
L0006208	0	0.12240E-06	466827.9	3783163.0	513.4	3.49	4.00	3.25	YES	
L0006209	0	0.12240E-06	466836.5	3783162.7	513.7	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0005246 , L0005247 , L0005248 , L0005249 , L0005250 , L0005251 , L0005252 , L0005253 ,
	L0005254 , L0005255 , L0005256 , L0005257 , L0005258 , L0005259 , L0005260 , L0005261 ,
	L0005262 , L0005288 , L0005289 , L0005290 , L0005291 , L0005292 , L0005293 , L0005294 ,
	L0005295 , L0005296 , L0005297 , L0005298 , L0005299 , L0005300 , L0005301 , L0005302 ,
	L0005303 , L0005304 , L0005305 , L0005306 , L0005307 , L0005308 , L0005309 , L0005310 ,
	L0005311 , L0005312 , L0005313 , L0005314 , L0005315 , L0005316 , L0005317 , L0005318 ,
	L0005319 , L0005320 , L0005321 , L0005322 , L0005323 , L0005324 , L0005325 , L0005326 ,
	L0005327 , L0005328 , L0005329 , L0005330 , L0005331 , L0005332 , L0005333 , L0005334 ,
	L0005335 , L0005336 , L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 ,
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	L0005351 , L0005352 , L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 ,
	L0005359 , L0005360 , L0005361 , L0005362 , L0005363 , L0005364 , L0005365 , L0005366 ,
	L0005367 , L0005368 , L0005369 , L0005370 , L0005371 , L0005372 , L0005373 , L0005374 ,
	L0005375 , L0005376 , L0005377 , L0005378 , L0005379 , L0005380 , L0005381 , L0005382 ,
	L0005383 , L0005384 , L0005385 , L0005386 , L0005387 , L0005388 , L0005389 , L0005390 ,
	L0005391 , L0005392 , L0005393 , L0005394 , L0005395 , L0005396 , L0005397 , L0005398 ,
	L0005399 , L0005400 , L0005401 , L0005402 , L0005403 , L0005404 , L0005405 , L0005406 ,
	L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 , L0005413 , L0005414 ,

L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 , L0005421 , L0005422 ,
♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc *** 02/26/18
*** AERMET - VERSION 16216 *** *** *** 21:53:28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 , L0005437 , L0005438 ,
	L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 , L0005445 , L0005446 ,
	L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 , L0005453 , L0005454 ,
	L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 , L0005461 , L0005462 ,
	L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 , L0005469 , L0005470 ,
	L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 , L0005477 , L0005478 ,
	L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 , L0005485 , L0005486 ,
	L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 , L0005493 , L0005494 ,
	L0005495 , L0005496 , L0005497 , L0005498 , L0005499 , L0005500 , L0005501 , L0005502 ,
	L0005503 , L0005504 , L0005505 , L0005506 , L0005507 , L0005508 , L0005509 , L0005510 ,
	L0005511 , L0005512 , L0005513 , L0005514 , L0005515 , L0005516 , L0005517 , L0005518 ,
	L0005519 , L0005520 , L0005521 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526 ,
	L0005527 , L0005528 , L0005529 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534 ,
	L0005535 , L0005536 , L0005537 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542 ,
	L0005543 , L0005544 , L0005545 , L0005546 , L0005547 , L0005548 , L0005549 , L0005550 ,
	L0005551 , L0005552 , L0005553 , L0005554 , L0005555 , L0005556 , L0005557 , L0005558 ,

L0005559 , L0005560 , L0005561 , L0005562 , L0005563 , L0005564 , L0005565 , L0005566 ,

L0005567 , L0005568 , L0005569 , L0005570 , L0005571 , L0005572 , L0005573 , L0005574 ,

L0005575 , L0005576 , L0005577 , L0005578 , L0005579 , L0005580 , L0005581 , L0005582 ,

♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc *** 02/26/18

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

L0005583 , L0005584 , L0005585 , L0005586 , L0005587 , L0005588 , L0005589 , L0005590 ,

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♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc ***
02/26/18
*** AERMET - VERSION 16216 *** *** ***
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PAGE 26
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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    02/26/18
 *** AERMET - VERSION 16216 ***   ***   ***
   21:53:28

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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    02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
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   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                      *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc                    ***
    02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
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   PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                 SOURCE IDs
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♀ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc *** 02/26/18

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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*** AERMET - VERSION 16216 *** *** *** 21:53:28

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc   ***
    02/26/18
 *** 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
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L0006209   ,
♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc   ***
    02/26/18
 *** AERMET - VERSION 16216 ***   ***   ***
   21:53:28

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

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

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     0.0);
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     0.0);
     (465339.6, 3784439.1,   551.0,   1727.0,   0.0);   (465458.5, 3784393.1,   548.0,   1727.0,
     0.0);
     (464976.0, 3784307.1,   553.1,   1727.0,   0.0);   (465103.5, 3784179.2,   550.0,   1727.0,
     0.0);

```
    ( 465251.0, 3784077.5,     546.4,    1727.0,       0.0);        ( 465390.7, 3784234.8,     548.2,    1727.0,
    0.0);
    ( 465472.0, 3784054.2,     542.8,    1727.0,       0.0);        ( 465510.2, 3784034.8,     542.0,    1727.0,
    0.0);
    ( 465575.8, 3784289.4,     545.1,    1727.0,       0.0);        ( 464140.5, 3785232.0,     581.8,    1727.0,
    0.0);
    ( 466215.4, 3784583.1,     545.2,    1659.0,       0.0);        ( 465849.3, 3784264.0,     542.6,    1659.0,
    0.0);
    ( 466094.3, 3784899.3,     556.9,    1659.0,       0.0);        ( 466769.7, 3783624.1,     522.0,    1659.0,
    0.0);
    ( 466444.0, 3784223.6,     534.8,    1659.0,       0.0);

♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc                 ***
   02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                  ***
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   PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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


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

                                                  1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc                 ***
   02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                  ***
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   PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

   Surface file:   FONT_V9_ADJU\FONT_v9.SFC                                                          Met Version:
16216
   Profile file:   FONT_V9_ADJU\FONT_v9.PFL
   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3102                  Upper air station no.:     3190
                Name: UNKNOWN                                   Name: UNKNOWN
```

Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0005238 , L0005239 , L0005240 , L0005241 , L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 , L0005249 , L0005250 ,
L0005251 , L0005252 , L0005253 , L0005254 , L0005255 , L0005256 , L0005257 , L0005258 ,
L0005259 , L0005260 , L0005261 , L0005262 , L0005288 , L0005289 , L0005290 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465057.98	3784706.54	0.00106	465133.65	3784701.10	0.00107
465188.01	3784592.40	0.00213	465229.40	3784548.08	0.00241
465260.34	3784529.26	0.00225	465337.04	3784483.79	0.00164
465339.61	3784439.11	0.00180	465458.50	3784393.15	0.00086
464975.99	3784307.07	0.00134	465103.54	3784179.22	0.00120
465250.95	3784077.47	0.00109	465390.74	3784234.83	0.00114
465471.95	3784054.21	0.00176	465510.24	3784034.77	0.00149
465575.85	3784289.40	0.00055	464140.54	3785232.00	0.00004
466215.41	3784583.10	0.00016	465849.33	3784264.02	0.00031
466094.33	3784899.32	0.00016	466769.71	3783624.10	0.00027
466443.96	3784223.59	0.00015			

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

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00241 AT (465229.40, 3784548.08, 553.70, 1727.00, 0.00)	DC
	2ND HIGHEST VALUE IS	0.00225 AT (465260.34, 3784529.26, 552.80, 1727.00, 0.00)	DC

```
         3RD HIGHEST VALUE IS       0.00213 AT (  465188.01,  3784592.40,   555.03,  1727.00,    0.00)  DC

         4TH HIGHEST VALUE IS       0.00180 AT (  465339.61,  3784439.11,   551.00,  1727.00,    0.00)  DC

         5TH HIGHEST VALUE IS       0.00176 AT (  465471.95,  3784054.21,   542.84,  1727.00,    0.00)  DC

         6TH HIGHEST VALUE IS       0.00164 AT (  465337.04,  3784483.79,   551.09,  1727.00,    0.00)  DC

         7TH HIGHEST VALUE IS       0.00149 AT (  465510.24,  3784034.77,   541.97,  1727.00,    0.00)  DC

         8TH HIGHEST VALUE IS       0.00134 AT (  464975.99,  3784307.07,   553.14,  1727.00,    0.00)  DC

         9TH HIGHEST VALUE IS       0.00120 AT (  465103.54,  3784179.22,   550.00,  1727.00,    0.00)  DC

        10TH HIGHEST VALUE IS       0.00114 AT (  465390.74,  3784234.83,   548.19,  1727.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\11246 Cajon\11246 Cajon.isc                      ***
    02/26/18
 *** AERMET - VERSION  16216 ***   ***                                                                      ***
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   PAGE  40
 *** 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            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    1851       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187    1851       MEOPEN: ADJ_U* Option for Low Winds used in AERMET
 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

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APPENDIX 2.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
Resident 30-Year Exposure Scenario

Source Number*	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel	2.41E-03	2.41E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-06	1.3E-06	5.0E+00	1.4E-03	4.8E-04							
	TOTAL								1.25E-06 1.25			4.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	30
inhalation rate (L/kg-day))	461
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	1
age sensitivity factor (age third trimester to 2 ye	10
age sensitivity factor (ages 2 to 16 years old)	3
weighted age sensitivity factor	2.6

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.80E-03	1.80E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.2E-07	1.2E-07	5.0E+00	1.4E-03	3.6E-04							
	TOTAL								1.3E-07			4.0E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.13										

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	240
exposure duration (years)	25
inhalation rate (L/kg-day))	271
inhalation absorption factor	1
averaging time (years)	70

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			($ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	2.00E-04	2.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.6E-08	2.3E-08	5.0E+00	1.4E-03	4.0E-05							
	TOTAL								4.3E-08			7.6E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.04										

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	180
exposure duration (years)	9
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
age sensitivity factor (ages 4-13)	3

AVERAGE EMISSION FACTOR (DIESEL)
RIVERSIDE 2019

Speed	LHD1	MHD	HHD
0	0.324655	0.230613	0.03576
5	0.047039	0.174178	0.05414
25	0.01561	0.074307	0.02797

Speed	**Weighted Average Emissions**
0	**0.12434**
5	**0.07780**
25	**0.03550**

Emission Rates - 2019 Emission Factors

Truck Emission Rates						
Source	**Trucks Per Day**	**VMT [a] (miles/day)**	**Truck Emission Rate [b] (grams/mile)**	**Truck Emission Rate [b] (grams/idle-hour)**	**Daily Truck Emissions [c] (grams/day)**	**Modeled Emission Rates (g/second)**
On-Site Idling	56			0.1243	1.74	2.015E-05
On-Site Travel	112	44.25	0.0778		3.44	3.985E-05
Off-Site Travel 70% Dwy 2	78	113.22	0.0355		4.02	4.652E-05
Off-Site Travel 30% Dwy 2	34	38.76	0.0355		1.38	1.592E-05
Off-Site Travel 50% I-215N	56	34.36	0.0355		1.22	1.412E-05
Off-Site Travel 50% I-215S	56	36.65	0.0355		1.30	1.506E-05