First Industrial Warehouse (PROJ-2020-00152)

MOBILE SOURCE HEALTH RISK ASSESSMENT

COUNTY OF SAN BERNARDINO

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com

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LIST OF ABBREVIATED TERMS

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

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EXECUTIVE SUMMARY

This report evaluates the potential mobile source health risk impacts to the nearest sensitive receptors (which are residents) and nearest workers to the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) emitted from heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

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

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R4, which represents the existing residence at 1909 Crystal Cove Court, approximately 4,552 feet east of the Project site. R4 is placed at the property line bordering the private outdoor living area (backyard). At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.03 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance than the MEIR analyzed herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R5, which represents an existing warehouse use approximately 150 feet east of the Project site. R5 is placed at the building façade where a worker could remain for a typical workday. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.07 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at Location R9 which represents the Packinghouse Christian Academy School located approximately 1,456 feet southwest of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.06 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Individual Receptor	0.03	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.07	10	NO
9 Year Exposure	Maximum Exposed School Child Receptor	0.06	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	<0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	<0.01	1.0	NO
Annual Average	Maximum Exposed School Child Receptor	<0.01	1.0	NO

1 INTRODUCTION

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

The SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's recommendation 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 United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD states (Page D-3):

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

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

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

1.1 SITE LOCATION

The 21.96-acre Project site is located at the northeast corner of Alabama Street and Pioneer Avenue in the County of San Bernardino, as shown on Exhibit 1-A. The Project site is located 0.48 miles west of State Route 210 (SR-210), approximately 0.97 miles north of Interstate 10 (I-10), and approximately 1.64 miles southeast of the San Bernardino International Airport. Nearby existing residential uses in the Project study area are located to east of the Project site and existing commercial and industrial uses are located north, south, and west of the Project site. The Project site is designated as a Special Development (SD). The SD land use provides sites for a combination of residential, commercial, industrial, agricultural, open space and recreation uses, and similar and compatible uses. (3) (4). The proposed Project land uses are consistent with and allowed under the site's current County General Plan land use designation.

1.2 PROJECT DESCRIPTION

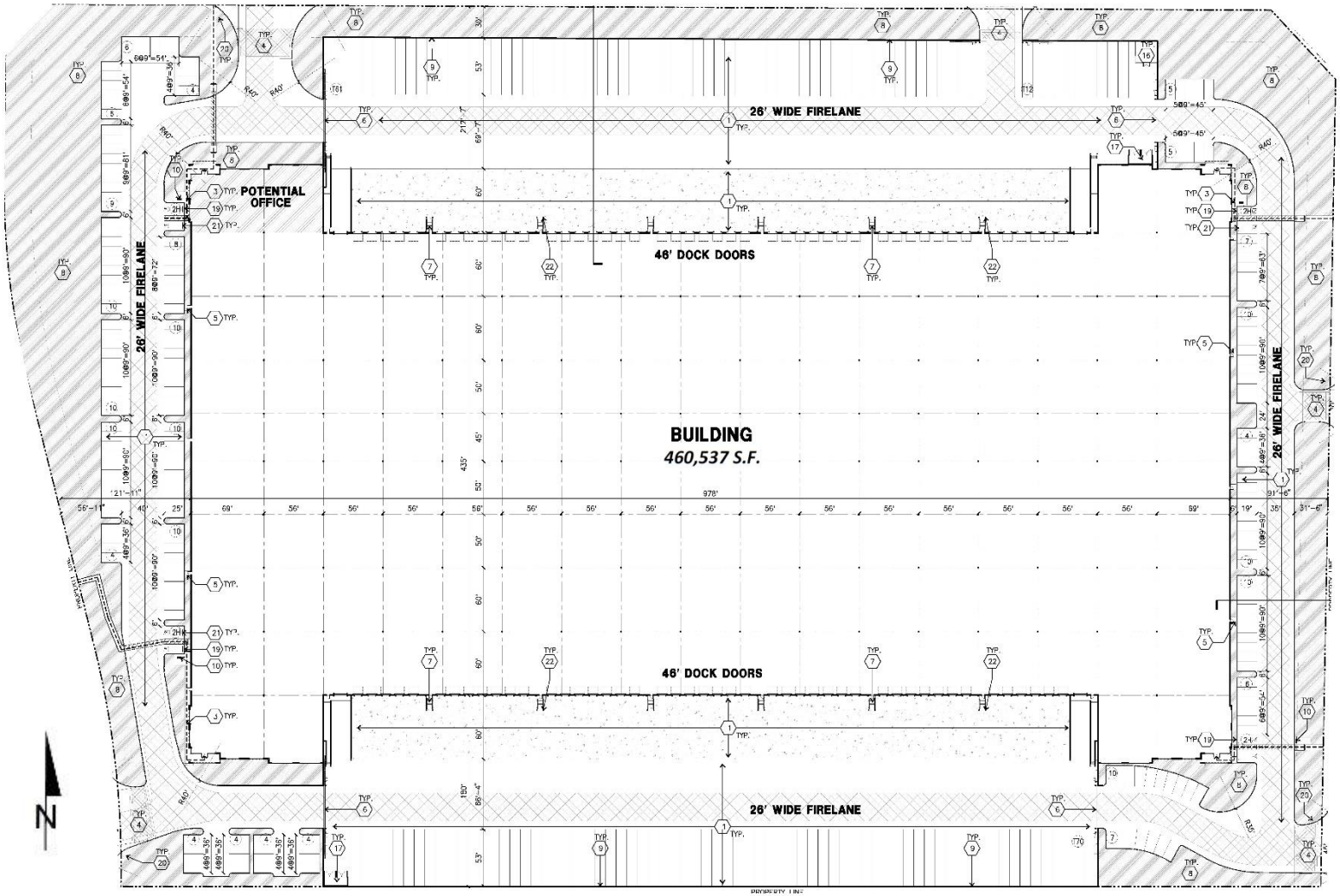
The proposed Project is to consist of a single building with of 460,537 square feet (sf) of High-Cube Fulfillment Center Warehouse (Non-Sort) use. Exhibit 1-B illustrates the site plan for the Project. To present the potential worst-case conditions, the Project is assumed to be operational 24 hours per day, seven days per week. It is expected that the Project business operations would primarily be conducted within the enclosed buildings, except for traffic movement, parking, as well as loading and unloading of trucks at designated loading bays.

At the time this AQIA was prepared, the future tenants of the proposed Project are unknown. Because the operating hours of perspective building tenants is not known at this time, this AQIA describes the air pollutant emission quantities that would occur from 24-hour, seven day per week operational activities at the Project site. It is anticipated that the Project would be developed in a single phase with an anticipated Opening Year of 2022.

Per the *First Industrial Warehouse (PROJ-2020-00152) Trip Generation Assessment* (*Trip Generation*) prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 840 two-way vehicular trips per day (420 inbound and 420 outbound) which includes 184 two-way truck trips per day (92 inbound and 92 outbound) (5).

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[1] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2017 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (6). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

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

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

[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.

vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

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

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 45.12% diesel, Medium-Heavy-Duty Trucks are comprised of 91.03% diesel, and Heavy-Heavy-Duty Trucks are comprised of 92.75% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM10 emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (7):

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

Where:

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

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

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

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (7):

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

60 minutes per hour / seconds per day

Where:

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

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

TABLE 2-1: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09641 (g/idle-hr)
5	0.04250 (g/s)
25	0.01853 (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 modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for approximately ¾ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (8) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (9), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Per the *First Industrial Warehouse (PROJ-2020-00152) Trip Generation Assessment* (*Trip Generation*) prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 840 two-way vehicular trips per day (420 inbound and 420 outbound) which includes 92 two-way truck trips per day (46 inbound and 46 outbound) (5). This HRA evaluates the potential impacts resulting from diesel exhaust from the 104 two-way truck trips generated by the Project.

EXHIBIT 2-A: MODELED EMISSION SOURCES

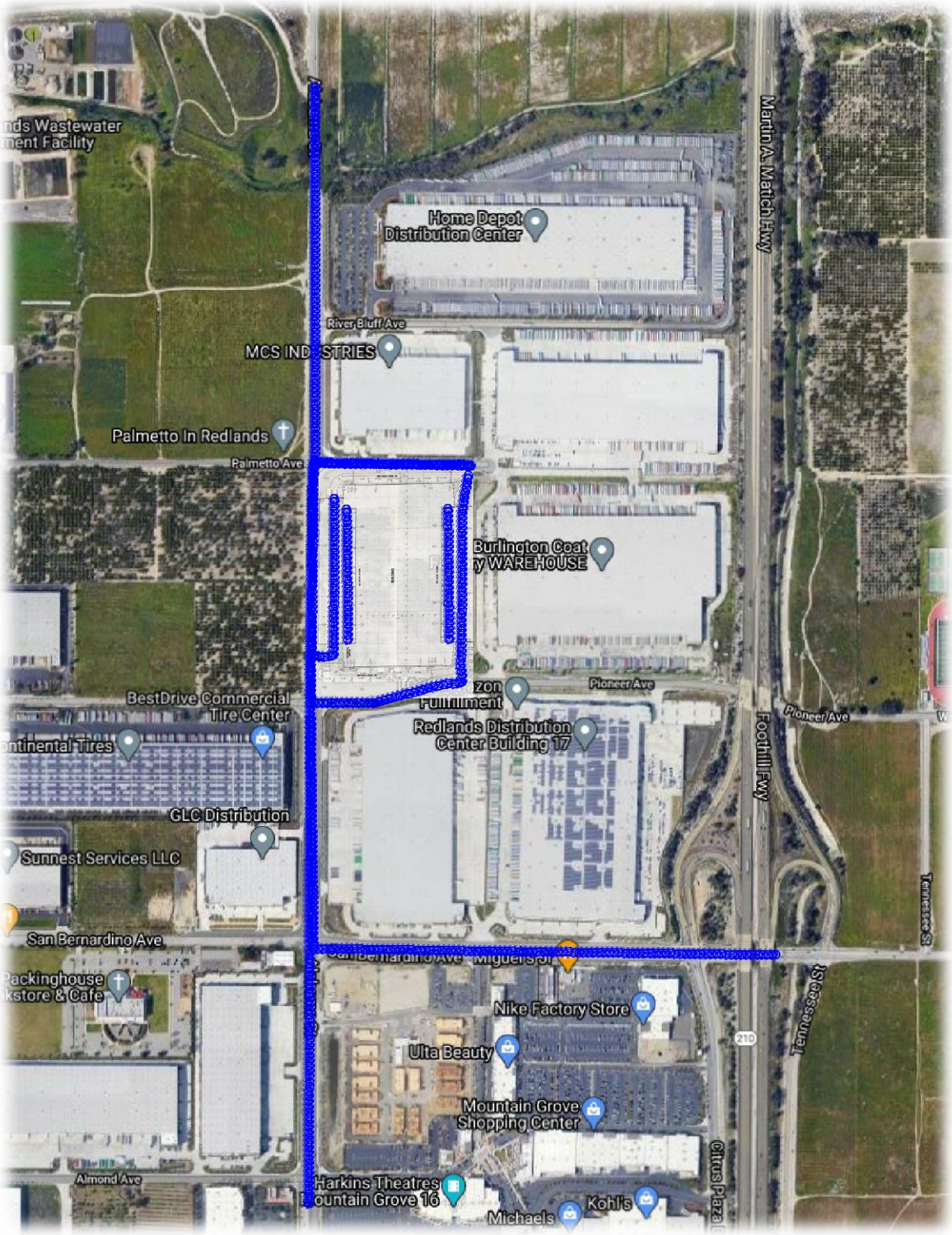

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2022 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling West Side of Building	23			0.0964	0.55	6.416E-06
On-Site Idling East Side of Building	23			0.0964	0.55	6.416E-06
On-Site Travel West Side of Building	46	8.39	0.0425		0.36	4.129E-06
On-Site Travel East Side of Building	46	9.68	0.0425		0.41	4.763E-06
Off-Site Travel 90% Inbound/Outbound SR-210	83	61.59	0.0185		1.14	1.321E-05
Off-Site Travel 5% Inbound/Outbound on Alabama St. South of Project	5	2.43	0.0185		0.04	5.204E-07
Off-Site Travel 5% Inbound/Outbound on Alabama St. North of Project	5	1.81	0.0185		0.03	3.879E-07
Off-Site Travel 40% Inbound Dwy. 4	18	3.17	0.0185		0.06	6.793E-07
Off-Site Travel 50% Outbound Dwy. 4	23	3.96	0.0185		0.07	8.491E-07
Off-Site Travel 50% Inbound Dwy. 1	23	1.24	0.0185		0.02	2.651E-07
Off-Site Travel 5% Inbound Dwy. 3	2	0.96	0.0185		0.02	2.062E-07
Off-Site Travel 45% Outbound Dwy. 3	21	8.65	0.0185		0.16	1.856E-06
Off-Site Travel 5% Inbound Dwy. 3	2	0.38	0.0185		0.01	8.132E-08
Off-Site Travel 5% Outbound Dwy. 1	2	0.46	0.0185		0.01	9.852E-08

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

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

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

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 9.9.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 19191 (10).

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

SCAQMD-recommended model parameters are presented in Table 2-3 (11). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Redlands (RDLD) monitoring station (SRA 35) was used to represent local weather conditions and prevailing winds (12). A wind rose exhibit of the RDLD monitoring station is provided at Exhibit 2-B.

EXHIBIT 2-B: WIND ROSE (SRA 34)

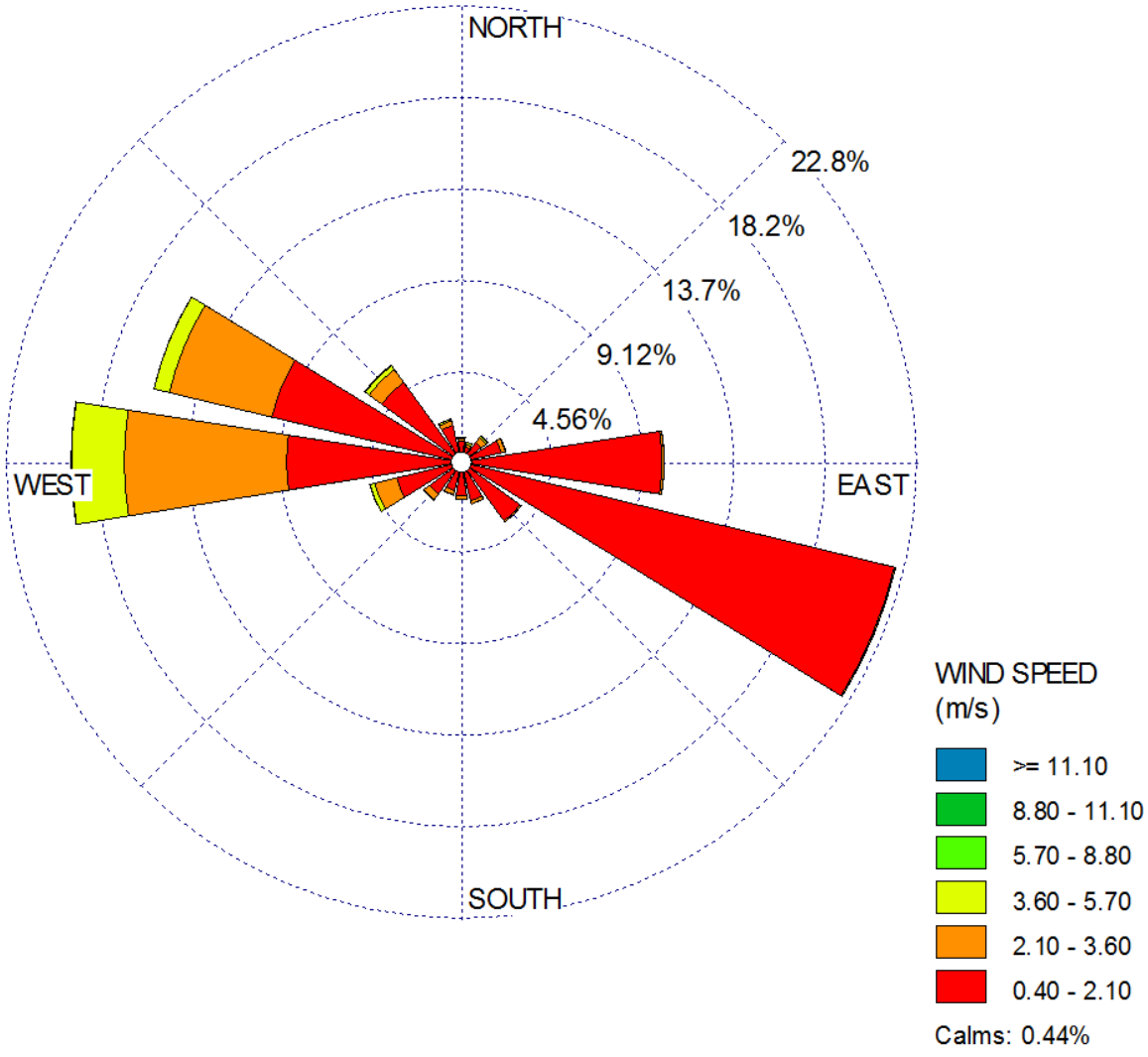

TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (Population 2,035,210)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

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

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker and school) land uses in the vicinity of the Project. These receptors are included in the HRA since residents, workers, and school children may be exposed at these locations over a long-term duration of 30, 25, and 9 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR, MEIW, and MEISC because concentrations dissipate with distance.

Consistent with SCAQMD modeling guidance, all receptors were set to existing elevation height so that only ground-level concentrations are analyzed (13). United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations.

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 through 2-6 summarize the Exposure Parameters for Residents, Workers, and School Children based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

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

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

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

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

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

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

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

2.4 CARCINOGENIC CHEMICAL RISK

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

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

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

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R4, which represents the existing residence at 1909 Crystal Cove Court, approximately 4,552 feet east of the Project site. R4 is placed at the property line bordering the private outdoor living area (backyard). At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.03 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance than the MEIR analyzed herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-C.

Worker Exposure Scenario[2]*:*

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R5, which represents an existing warehouse use approximately 150 feet east of the Project site. R5 is placed at the building façade where a worker could remain for a typical workday. At the MEIW, the maximum incremental cancer risk impact is 0.07 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-C.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at Location R9 which represents the Packinghouse Christian Academy School located approximately 1,456 feet southwest of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.06 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The nearest modeled receptors are illustrated on Exhibit 2-C.

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.

EXHIBIT 2-C: MODELED RECEPTORS

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3 REFERENCES

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4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Slover Avenue and Cypress Avenue 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 at (949) 660-1994.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.
(949) 660-1994
hqureshi@urbanxroads.com

EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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```
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**************************************
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 1/7/2021
** File: C:\Lakes\AERMOD View\13283 HRA (REV)\13283 HRA.ADI
**
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**
**
**************************************
** AERMOD Control Pathway
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   AVERTIME ANNUAL
   URBANOPT 2035210
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13283 HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
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LOCATION L0001012 VOLUME 481162.494 3770757.443 380.42
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LOCATION L0001036 VOLUME 480956.353 3770760.238 377.55
LOCATION L0001037 VOLUME 480947.764 3770760.355 377.26
LOCATION L0001038 VOLUME 480939.175 3770760.471 377.00
LOCATION L0001039 VOLUME 480930.586 3770760.588 377.00
LOCATION L0001040 VOLUME 480921.997 3770760.704 377.00
LOCATION L0001041 VOLUME 480913.407 3770760.821 377.00
LOCATION L0001042 VOLUME 480904.818 3770760.937 376.83
LOCATION L0001043 VOLUME 480896.229 3770761.054 376.54
LOCATION L0001044 VOLUME 480887.640 3770761.170 376.26
LOCATION L0001045 VOLUME 480879.051 3770761.287 376.00
LOCATION L0001046 VOLUME 480870.461 3770761.403 376.00
LOCATION L0001047 VOLUME 480861.872 3770761.519 376.00
LOCATION L0001048 VOLUME 480853.283 3770761.636 376.00
LOCATION L0001049 VOLUME 480844.694 3770761.752 375.83
LOCATION L0001050 VOLUME 480836.104 3770761.869 375.54
LOCATION L0001051 VOLUME 480827.515 3770761.985 375.25
LOCATION L0001052 VOLUME 480818.926 3770762.102 375.00
LOCATION L0001053 VOLUME 480810.337 3770762.218 375.00
LOCATION L0001054 VOLUME 480801.748 3770762.335 375.00
LOCATION L0001055 VOLUME 480793.158 3770762.451 375.00
LOCATION L0001056 VOLUME 480784.569 3770762.568 374.82
LOCATION L0001057 VOLUME 480775.980 3770762.684 374.54
LOCATION L0001058 VOLUME 480767.391 3770762.801 374.25
LOCATION L0001059 VOLUME 480758.802 3770762.917 374.00
LOCATION L0001060 VOLUME 480750.212 3770763.033 374.00
LOCATION L0001061 VOLUME 480741.623 3770763.150 374.00
LOCATION L0001062 VOLUME 480741.134 3770771.359 374.00
LOCATION L0001063 VOLUME 480741.026 3770779.948 374.00
LOCATION L0001064 VOLUME 480740.918 3770788.537 374.00
LOCATION L0001065 VOLUME 480740.810 3770797.127 374.00
LOCATION L0001066 VOLUME 480740.702 3770805.716 374.00
LOCATION L0001067 VOLUME 480740.594 3770814.305 374.00
LOCATION L0001068 VOLUME 480740.486 3770822.895 374.00
LOCATION L0001069 VOLUME 480740.378 3770831.484 374.00
LOCATION L0001070 VOLUME 480740.270 3770840.073 374.00
LOCATION L0001071 VOLUME 480740.162 3770848.663 374.00
LOCATION L0001072 VOLUME 480740.054 3770857.252 374.00
LOCATION L0001073 VOLUME 480739.946 3770865.841 374.00
LOCATION L0001074 VOLUME 480739.838 3770874.431 374.00
LOCATION L0001075 VOLUME 480739.730 3770883.020 374.00
LOCATION L0001076 VOLUME 480739.622 3770891.609 374.00
LOCATION L0001077 VOLUME 480739.514 3770900.199 374.00
LOCATION L0001078 VOLUME 480739.406 3770908.788 374.00
LOCATION L0001079 VOLUME 480739.298 3770917.377 374.00
LOCATION L0001080 VOLUME 480739.190 3770925.967 374.00

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   LOCATION L0001081     VOLUME   480739.081 3770934.556 374.00
   LOCATION L0001082     VOLUME   480738.973 3770943.145 374.00
   LOCATION L0001083     VOLUME   480738.865 3770951.735 374.00
   LOCATION L0001084     VOLUME   480738.757 3770960.324 374.00
   LOCATION L0001085     VOLUME   480738.649 3770968.913 374.00
   LOCATION L0001086     VOLUME   480738.541 3770977.502 374.00
   LOCATION L0001087     VOLUME   480738.433 3770986.092 374.00
   LOCATION L0001088     VOLUME   480738.325 3770994.681 374.00
   LOCATION L0001089     VOLUME   480738.217 3771003.270 374.00
   LOCATION L0001090     VOLUME   480738.109 3771011.860 374.00
   LOCATION L0001091     VOLUME   480738.001 3771020.449 374.00
   LOCATION L0001092     VOLUME   480737.893 3771029.038 374.00
   LOCATION L0001093     VOLUME   480737.785 3771037.628 374.00
   LOCATION L0001094     VOLUME   480737.677 3771046.217 374.00
   LOCATION L0001095     VOLUME   480737.569 3771054.806 374.00
   LOCATION L0001096     VOLUME   480737.461 3771063.396 374.00
   LOCATION L0001097     VOLUME   480737.353 3771071.985 374.00
   LOCATION L0001098     VOLUME   480737.245 3771080.574 374.00
   LOCATION L0001099     VOLUME   480737.137 3771089.164 374.00
   LOCATION L0001100     VOLUME   480737.029 3771097.753 374.00
   LOCATION L0001101     VOLUME   480736.921 3771106.342 374.00
   LOCATION L0001102     VOLUME   480736.813 3771114.932 374.00
   LOCATION L0001103     VOLUME   480736.705 3771123.521 374.00
   LOCATION L0001104     VOLUME   480736.597 3771132.110 374.00
   LOCATION L0001105     VOLUME   480736.488 3771140.700 374.00
   LOCATION L0001106     VOLUME   480736.380 3771149.289 374.00
   LOCATION L0001107     VOLUME   480736.272 3771157.878 374.00
   LOCATION L0001108     VOLUME   480736.164 3771166.468 374.00
   LOCATION L0001109     VOLUME   480736.056 3771175.057 374.00
** End of LINE VOLUME Source ID = SLINE5
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Off-Site Travel 5% Inbound/Outbound on Alabama St. South of Project
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.204E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 480735.965, 3771179.691, 373.92, 3.49, 4.00
** 480733.329, 3770330.802, 375.01, 3.49, 4.00
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   LOCATION L0001110     VOLUME   480735.952 3771175.396 374.00
   LOCATION L0001111     VOLUME   480735.925 3771166.806 374.00
   LOCATION L0001112     VOLUME   480735.898 3771158.216 374.00
   LOCATION L0001113     VOLUME   480735.871 3771149.626 374.00
   LOCATION L0001114     VOLUME   480735.845 3771141.036 374.00
   LOCATION L0001115     VOLUME   480735.818 3771132.446 374.00
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LOCATION L0001116 VOLUME 480735.791 3771123.856 374.00
LOCATION L0001117 VOLUME 480735.765 3771115.266 374.00
LOCATION L0001118 VOLUME 480735.738 3771106.676 374.00
LOCATION L0001119 VOLUME 480735.711 3771098.086 374.00
LOCATION L0001120 VOLUME 480735.685 3771089.496 374.00
LOCATION L0001121 VOLUME 480735.658 3771080.906 374.00
LOCATION L0001122 VOLUME 480735.631 3771072.316 374.00
LOCATION L0001123 VOLUME 480735.605 3771063.727 374.00
LOCATION L0001124 VOLUME 480735.578 3771055.137 374.00
LOCATION L0001125 VOLUME 480735.551 3771046.547 374.00
LOCATION L0001126 VOLUME 480735.525 3771037.957 374.00
LOCATION L0001127 VOLUME 480735.498 3771029.367 374.00
LOCATION L0001128 VOLUME 480735.471 3771020.777 374.00
LOCATION L0001129 VOLUME 480735.445 3771012.187 374.00
LOCATION L0001130 VOLUME 480735.418 3771003.597 374.00
LOCATION L0001131 VOLUME 480735.391 3770995.007 374.00
LOCATION L0001132 VOLUME 480735.365 3770986.417 374.00
LOCATION L0001133 VOLUME 480735.338 3770977.827 374.00
LOCATION L0001134 VOLUME 480735.311 3770969.237 374.00
LOCATION L0001135 VOLUME 480735.285 3770960.647 374.00
LOCATION L0001136 VOLUME 480735.258 3770952.057 374.00
LOCATION L0001137 VOLUME 480735.231 3770943.467 374.00
LOCATION L0001138 VOLUME 480735.205 3770934.877 374.00
LOCATION L0001139 VOLUME 480735.178 3770926.287 374.00
LOCATION L0001140 VOLUME 480735.151 3770917.697 374.00
LOCATION L0001141 VOLUME 480735.125 3770909.107 374.00
LOCATION L0001142 VOLUME 480735.098 3770900.517 374.00
LOCATION L0001143 VOLUME 480735.071 3770891.927 374.00
LOCATION L0001144 VOLUME 480735.044 3770883.337 374.00
LOCATION L0001145 VOLUME 480735.018 3770874.747 374.00
LOCATION L0001146 VOLUME 480734.991 3770866.157 374.00
LOCATION L0001147 VOLUME 480734.964 3770857.568 374.00
LOCATION L0001148 VOLUME 480734.938 3770848.978 374.00
LOCATION L0001149 VOLUME 480734.911 3770840.388 374.00
LOCATION L0001150 VOLUME 480734.884 3770831.798 374.00
LOCATION L0001151 VOLUME 480734.858 3770823.208 374.00
LOCATION L0001152 VOLUME 480734.831 3770814.618 374.00
LOCATION L0001153 VOLUME 480734.804 3770806.028 374.00
LOCATION L0001154 VOLUME 480734.778 3770797.438 374.00
LOCATION L0001155 VOLUME 480734.751 3770788.848 374.00
LOCATION L0001156 VOLUME 480734.724 3770780.258 374.00
LOCATION L0001157 VOLUME 480734.698 3770771.668 374.00
LOCATION L0001158 VOLUME 480734.671 3770763.078 374.00
LOCATION L0001159 VOLUME 480734.644 3770754.488 374.00
LOCATION L0001160 VOLUME 480734.618 3770745.898 374.00
LOCATION L0001161 VOLUME 480734.591 3770737.308 374.00
LOCATION L0001162 VOLUME 480734.564 3770728.718 374.00
LOCATION L0001163 VOLUME 480734.538 3770720.128 374.00
LOCATION L0001164 VOLUME 480734.511 3770711.538 374.00
LOCATION L0001165 VOLUME 480734.484 3770702.948 374.00

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   LOCATION L0001166     VOLUME   480734.458 3770694.358 374.00
   LOCATION L0001167     VOLUME   480734.431 3770685.768 374.00
   LOCATION L0001168     VOLUME   480734.404 3770677.178 374.00
   LOCATION L0001169     VOLUME   480734.378 3770668.588 374.00
   LOCATION L0001170     VOLUME   480734.351 3770659.998 374.00
   LOCATION L0001171     VOLUME   480734.324 3770651.409 374.02
   LOCATION L0001172     VOLUME   480734.298 3770642.819 374.07
   LOCATION L0001173     VOLUME   480734.271 3770634.229 374.11
   LOCATION L0001174     VOLUME   480734.244 3770625.639 374.14
   LOCATION L0001175     VOLUME   480734.218 3770617.049 374.14
   LOCATION L0001176     VOLUME   480734.191 3770608.459 374.14
   LOCATION L0001177     VOLUME   480734.164 3770599.869 374.14
   LOCATION L0001178     VOLUME   480734.137 3770591.279 374.14
   LOCATION L0001179     VOLUME   480734.111 3770582.689 374.14
   LOCATION L0001180     VOLUME   480734.084 3770574.099 374.14
   LOCATION L0001181     VOLUME   480734.057 3770565.509 374.14
   LOCATION L0001182     VOLUME   480734.031 3770556.919 374.14
   LOCATION L0001183     VOLUME   480734.004 3770548.329 374.14
   LOCATION L0001184     VOLUME   480733.977 3770539.739 374.14
   LOCATION L0001185     VOLUME   480733.951 3770531.149 374.14
   LOCATION L0001186     VOLUME   480733.924 3770522.559 374.13
   LOCATION L0001187     VOLUME   480733.897 3770513.969 374.13
   LOCATION L0001188     VOLUME   480733.871 3770505.379 374.13
   LOCATION L0001189     VOLUME   480733.844 3770496.789 374.13
   LOCATION L0001190     VOLUME   480733.817 3770488.199 374.13
   LOCATION L0001191     VOLUME   480733.791 3770479.609 374.13
   LOCATION L0001192     VOLUME   480733.764 3770471.019 374.28
   LOCATION L0001193     VOLUME   480733.737 3770462.429 374.53
   LOCATION L0001194     VOLUME   480733.711 3770453.839 374.78
   LOCATION L0001195     VOLUME   480733.684 3770445.249 375.00
   LOCATION L0001196     VOLUME   480733.657 3770436.660 375.00
   LOCATION L0001197     VOLUME   480733.631 3770428.070 375.00
   LOCATION L0001198     VOLUME   480733.604 3770419.480 375.00
   LOCATION L0001199     VOLUME   480733.577 3770410.890 375.00
   LOCATION L0001200     VOLUME   480733.551 3770402.300 375.00
   LOCATION L0001201     VOLUME   480733.524 3770393.710 375.00
   LOCATION L0001202     VOLUME   480733.497 3770385.120 375.00
   LOCATION L0001203     VOLUME   480733.471 3770376.530 375.04
   LOCATION L0001204     VOLUME   480733.444 3770367.940 375.07
   LOCATION L0001205     VOLUME   480733.417 3770359.350 375.11
   LOCATION L0001206     VOLUME   480733.391 3770350.760 375.12
   LOCATION L0001207     VOLUME   480733.364 3770342.170 375.12
   LOCATION L0001208     VOLUME   480733.337 3770333.580 375.11
** End of LINE VOLUME Source ID = SLINE6
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Off-Site Travel 5% Inbound/Outbound on Alabama St. North of Project
** PREFIX
** Length of Side = 8.59
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** Configuration = Adjacent
** Emission Rate = 3.879E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 480743.874, 3771583.045, 372.95, 3.49, 4.00
** 480743.874, 3772215.758, 363.45, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0001209     VOLUME   480743.874 3771587.340 373.00
   LOCATION L0001210     VOLUME   480743.874 3771595.930 373.00
   LOCATION L0001211     VOLUME   480743.874 3771604.520 373.00
   LOCATION L0001212     VOLUME   480743.874 3771613.110 373.00
   LOCATION L0001213     VOLUME   480743.874 3771621.700 372.90
   LOCATION L0001214     VOLUME   480743.874 3771630.290 372.75
   LOCATION L0001215     VOLUME   480743.874 3771638.880 372.60
   LOCATION L0001216     VOLUME   480743.874 3771647.470 372.47
   LOCATION L0001217     VOLUME   480743.874 3771656.060 372.47
   LOCATION L0001218     VOLUME   480743.874 3771664.650 372.47
   LOCATION L0001219     VOLUME   480743.874 3771673.240 372.47
   LOCATION L0001220     VOLUME   480743.874 3771681.830 372.38
   LOCATION L0001221     VOLUME   480743.874 3771690.420 372.25
   LOCATION L0001222     VOLUME   480743.874 3771699.010 372.11
   LOCATION L0001223     VOLUME   480743.874 3771707.600 372.00
   LOCATION L0001224     VOLUME   480743.874 3771716.190 372.00
   LOCATION L0001225     VOLUME   480743.874 3771724.780 372.00
   LOCATION L0001226     VOLUME   480743.874 3771733.370 372.00
   LOCATION L0001227     VOLUME   480743.874 3771741.960 371.90
   LOCATION L0001228     VOLUME   480743.874 3771750.550 371.75
   LOCATION L0001229     VOLUME   480743.874 3771759.140 371.59
   LOCATION L0001230     VOLUME   480743.874 3771767.730 371.47
   LOCATION L0001231     VOLUME   480743.874 3771776.320 371.47
   LOCATION L0001232     VOLUME   480743.874 3771784.910 371.47
   LOCATION L0001233     VOLUME   480743.874 3771793.500 371.47
   LOCATION L0001234     VOLUME   480743.874 3771802.090 371.47
   LOCATION L0001235     VOLUME   480743.874 3771810.680 371.47
   LOCATION L0001236     VOLUME   480743.874 3771819.270 371.47
   LOCATION L0001237     VOLUME   480743.874 3771827.860 371.47
   LOCATION L0001238     VOLUME   480743.874 3771836.450 371.47
   LOCATION L0001239     VOLUME   480743.874 3771845.040 371.47
   LOCATION L0001240     VOLUME   480743.874 3771853.630 371.47
   LOCATION L0001241     VOLUME   480743.874 3771862.220 371.47
   LOCATION L0001242     VOLUME   480743.874 3771870.810 371.47
   LOCATION L0001243     VOLUME   480743.874 3771879.400 371.47
   LOCATION L0001244     VOLUME   480743.874 3771887.990 371.47
   LOCATION L0001245     VOLUME   480743.874 3771896.580 371.47
   LOCATION L0001246     VOLUME   480743.874 3771905.170 371.47
   LOCATION L0001247     VOLUME   480743.874 3771913.760 371.47
   LOCATION L0001248     VOLUME   480743.874 3771922.350 371.26
   LOCATION L0001249     VOLUME   480743.874 3771930.940 370.98
   LOCATION L0001250     VOLUME   480743.874 3771939.530 370.69
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   LOCATION L0001251     VOLUME   480743.874 3771948.120 370.47
   LOCATION L0001252     VOLUME   480743.874 3771956.710 370.47
   LOCATION L0001253     VOLUME   480743.874 3771965.300 370.47
   LOCATION L0001254     VOLUME   480743.874 3771973.890 370.47
   LOCATION L0001255     VOLUME   480743.874 3771982.480 370.15
   LOCATION L0001256     VOLUME   480743.874 3771991.070 369.71
   LOCATION L0001257     VOLUME   480743.874 3771999.660 369.27
   LOCATION L0001258     VOLUME   480743.874 3772008.250 368.77
   LOCATION L0001259     VOLUME   480743.874 3772016.840 368.06
   LOCATION L0001260     VOLUME   480743.874 3772025.430 367.36
   LOCATION L0001261     VOLUME   480743.874 3772034.020 366.65
   LOCATION L0001262     VOLUME   480743.874 3772042.610 366.25
   LOCATION L0001263     VOLUME   480743.874 3772051.200 365.97
   LOCATION L0001264     VOLUME   480743.874 3772059.790 365.68
   LOCATION L0001265     VOLUME   480743.874 3772068.380 365.43
   LOCATION L0001266     VOLUME   480743.874 3772076.970 365.30
   LOCATION L0001267     VOLUME   480743.874 3772085.560 365.17
   LOCATION L0001268     VOLUME   480743.874 3772094.150 365.03
   LOCATION L0001269     VOLUME   480743.874 3772102.740 364.88
   LOCATION L0001270     VOLUME   480743.874 3772111.330 364.73
   LOCATION L0001271     VOLUME   480743.874 3772119.920 364.58
   LOCATION L0001272     VOLUME   480743.874 3772128.510 364.43
   LOCATION L0001273     VOLUME   480743.874 3772137.100 364.30
   LOCATION L0001274     VOLUME   480743.874 3772145.690 364.16
   LOCATION L0001275     VOLUME   480743.874 3772154.280 364.03
   LOCATION L0001276     VOLUME   480743.874 3772162.870 364.00
   LOCATION L0001277     VOLUME   480743.874 3772171.460 364.00
   LOCATION L0001278     VOLUME   480743.874 3772180.050 364.00
   LOCATION L0001279     VOLUME   480743.874 3772188.640 363.96
   LOCATION L0001280     VOLUME   480743.874 3772197.230 363.81
   LOCATION L0001281     VOLUME   480743.874 3772205.820 363.65
   LOCATION L0001282     VOLUME   480743.874 3772214.410 363.50
** End of LINE VOLUME Source ID = SLINE7
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC Off-Site Travel 40% Inbound Dwy 4
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.793E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 480737.203, 3771177.439, 373.93, 3.49, 4.00
** 480841.020, 3771176.616, 375.79, 3.49, 4.00
** 480914.350, 3771196.390, 377.03, 3.49, 4.00
** 480962.139, 3771208.749, 378.00, 3.49, 4.00
** 480991.801, 3771210.397, 378.37, 3.49, 4.00
** 480990.977, 3771228.524, 378.79, 3.49, 4.00
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   LOCATION L0001283     VOLUME   480741.498 3771177.405 374.00
   LOCATION L0001284     VOLUME   480750.088 3771177.337 374.00
   LOCATION L0001285     VOLUME   480758.677 3771177.269 374.00
   LOCATION L0001286     VOLUME   480767.267 3771177.201 374.25
   LOCATION L0001287     VOLUME   480775.857 3771177.133 374.53
   LOCATION L0001288     VOLUME   480784.447 3771177.065 374.82
   LOCATION L0001289     VOLUME   480793.036 3771176.996 375.00
   LOCATION L0001290     VOLUME   480801.626 3771176.928 375.00
   LOCATION L0001291     VOLUME   480810.216 3771176.860 375.00
   LOCATION L0001292     VOLUME   480818.806 3771176.792 375.00
   LOCATION L0001293     VOLUME   480827.395 3771176.724 375.25
   LOCATION L0001294     VOLUME   480835.985 3771176.656 375.54
   LOCATION L0001295     VOLUME   480844.452 3771177.541 375.82
   LOCATION L0001296     VOLUME   480852.746 3771179.778 376.04
   LOCATION L0001297     VOLUME   480861.040 3771182.014 376.19
   LOCATION L0001298     VOLUME   480869.333 3771184.251 376.39
   LOCATION L0001299     VOLUME   480877.627 3771186.487 376.62
   LOCATION L0001300     VOLUME   480885.921 3771188.724 376.80
   LOCATION L0001301     VOLUME   480894.215 3771190.960 376.91
   LOCATION L0001302     VOLUME   480902.508 3771193.197 376.97
   LOCATION L0001303     VOLUME   480910.802 3771195.433 377.03
   LOCATION L0001304     VOLUME   480919.109 3771197.621 377.31
   LOCATION L0001305     VOLUME   480927.425 3771199.772 377.58
   LOCATION L0001306     VOLUME   480935.742 3771201.922 377.86
   LOCATION L0001307     VOLUME   480944.058 3771204.073 378.00
   LOCATION L0001308     VOLUME   480952.374 3771206.224 378.00
   LOCATION L0001309     VOLUME   480960.691 3771208.375 378.00
   LOCATION L0001310     VOLUME   480969.222 3771209.143 378.00
   LOCATION L0001311     VOLUME   480977.799 3771209.619 378.12
   LOCATION L0001312     VOLUME   480986.376 3771210.096 378.25
   LOCATION L0001313     VOLUME   480991.657 3771213.551 378.42
   LOCATION L0001314     VOLUME   480991.267 3771222.132 378.61
** End of LINE VOLUME Source ID = SLINE8
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Off-Site Travel 50% Outbound Dwy 4
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 8.491E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 480737.203, 3771177.439, 373.93, 3.49, 4.00
** 480841.020, 3771176.616, 375.79, 3.49, 4.00
** 480914.350, 3771196.390, 377.03, 3.49, 4.00
** 480962.139, 3771208.749, 378.00, 3.49, 4.00
** 480991.801, 3771210.397, 378.37, 3.49, 4.00
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** 480990.977, 3771228.524, 378.79, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0001315     VOLUME   480741.498 3771177.405 374.00
   LOCATION L0001316     VOLUME   480750.088 3771177.337 374.00
   LOCATION L0001317     VOLUME   480758.677 3771177.269 374.00
   LOCATION L0001318     VOLUME   480767.267 3771177.201 374.25
   LOCATION L0001319     VOLUME   480775.857 3771177.133 374.53
   LOCATION L0001320     VOLUME   480784.447 3771177.065 374.82
   LOCATION L0001321     VOLUME   480793.036 3771176.996 375.00
   LOCATION L0001322     VOLUME   480801.626 3771176.928 375.00
   LOCATION L0001323     VOLUME   480810.216 3771176.860 375.00
   LOCATION L0001324     VOLUME   480818.806 3771176.792 375.00
   LOCATION L0001325     VOLUME   480827.395 3771176.724 375.25
   LOCATION L0001326     VOLUME   480835.985 3771176.656 375.54
   LOCATION L0001327     VOLUME   480844.452 3771177.541 375.82
   LOCATION L0001328     VOLUME   480852.746 3771179.778 376.04
   LOCATION L0001329     VOLUME   480861.040 3771182.014 376.19
   LOCATION L0001330     VOLUME   480869.333 3771184.251 376.39
   LOCATION L0001331     VOLUME   480877.627 3771186.487 376.62
   LOCATION L0001332     VOLUME   480885.921 3771188.724 376.80
   LOCATION L0001333     VOLUME   480894.215 3771190.960 376.91
   LOCATION L0001334     VOLUME   480902.508 3771193.197 376.97
   LOCATION L0001335     VOLUME   480910.802 3771195.433 377.03
   LOCATION L0001336     VOLUME   480919.109 3771197.621 377.31
   LOCATION L0001337     VOLUME   480927.425 3771199.772 377.58
   LOCATION L0001338     VOLUME   480935.742 3771201.922 377.86
   LOCATION L0001339     VOLUME   480944.058 3771204.073 378.00
   LOCATION L0001340     VOLUME   480952.374 3771206.224 378.00
   LOCATION L0001341     VOLUME   480960.691 3771208.375 378.00
   LOCATION L0001342     VOLUME   480969.222 3771209.143 378.00
   LOCATION L0001343     VOLUME   480977.799 3771209.619 378.12
   LOCATION L0001344     VOLUME   480986.376 3771210.096 378.25
   LOCATION L0001345     VOLUME   480991.657 3771213.551 378.42
   LOCATION L0001346     VOLUME   480991.267 3771222.132 378.61
** End of LINE VOLUME Source ID = SLINE12
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC Off-Site Travel 50% Inbound Dwy. 1
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.651E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 480747.090, 3771256.538, 373.96, 3.49, 4.00
** 480735.555, 3771256.538, 373.98, 3.49, 4.00
** 480735.555, 3771181.559, 373.93, 3.49, 4.00
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   LOCATION L0001347     VOLUME   480742.795 3771256.538 374.00
   LOCATION L0001348     VOLUME   480735.555 3771255.188 374.00
   LOCATION L0001349     VOLUME   480735.555 3771246.598 374.00
   LOCATION L0001350     VOLUME   480735.555 3771238.008 374.00
   LOCATION L0001351     VOLUME   480735.555 3771229.418 374.00
   LOCATION L0001352     VOLUME   480735.555 3771220.828 374.00
   LOCATION L0001353     VOLUME   480735.555 3771212.238 374.00
   LOCATION L0001354     VOLUME   480735.555 3771203.648 374.00
   LOCATION L0001355     VOLUME   480735.555 3771195.058 374.00
   LOCATION L0001356     VOLUME   480735.555 3771186.468 374.00
** End of LINE VOLUME Source ID = SLINE9
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC Off-Site Travel 5% Inbound Dwy. 3
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.062E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 480736.379, 3771184.031, 373.93, 3.49, 4.00
** 480736.379, 3771295.263, 373.95, 3.49, 4.00
** 480740.499, 3771581.994, 372.95, 3.49, 4.00
** 480995.920, 3771577.874, 376.06, 3.49, 4.00
** 481006.631, 3771577.050, 376.14, 3.49, 4.00
** 481002.512, 3771569.635, 376.18, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0001357     VOLUME   480736.379 3771188.326 374.00
   LOCATION L0001358     VOLUME   480736.379 3771196.916 374.00
   LOCATION L0001359     VOLUME   480736.379 3771205.506 374.00
   LOCATION L0001360     VOLUME   480736.379 3771214.096 374.00
   LOCATION L0001361     VOLUME   480736.379 3771222.686 374.00
   LOCATION L0001362     VOLUME   480736.379 3771231.276 374.00
   LOCATION L0001363     VOLUME   480736.379 3771239.866 374.00
   LOCATION L0001364     VOLUME   480736.379 3771248.456 374.00
   LOCATION L0001365     VOLUME   480736.379 3771257.046 374.00
   LOCATION L0001366     VOLUME   480736.379 3771265.636 374.00
   LOCATION L0001367     VOLUME   480736.379 3771274.226 374.00
   LOCATION L0001368     VOLUME   480736.379 3771282.816 374.00
   LOCATION L0001369     VOLUME   480736.379 3771291.406 374.00
   LOCATION L0001370     VOLUME   480736.447 3771299.996 374.00
   LOCATION L0001371     VOLUME   480736.571 3771308.585 374.00
   LOCATION L0001372     VOLUME   480736.694 3771317.174 374.00
   LOCATION L0001373     VOLUME   480736.817 3771325.763 374.00
   LOCATION L0001374     VOLUME   480736.941 3771334.352 374.00
   LOCATION L0001375     VOLUME   480737.064 3771342.941 374.00
   LOCATION L0001376     VOLUME   480737.188 3771351.530 373.87
   LOCATION L0001377     VOLUME   480737.311 3771360.119 373.65
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LOCATION L0001378 VOLUME 480737.434 3771368.708 373.44
LOCATION L0001379 VOLUME 480737.558 3771377.298 373.26
LOCATION L0001380 VOLUME 480737.681 3771385.887 373.26
LOCATION L0001381 VOLUME 480737.805 3771394.476 373.26
LOCATION L0001382 VOLUME 480737.928 3771403.065 373.27
LOCATION L0001383 VOLUME 480738.051 3771411.654 373.27
LOCATION L0001384 VOLUME 480738.175 3771420.243 373.28
LOCATION L0001385 VOLUME 480738.298 3771428.832 373.28
LOCATION L0001386 VOLUME 480738.422 3771437.421 373.28
LOCATION L0001387 VOLUME 480738.545 3771446.010 373.29
LOCATION L0001388 VOLUME 480738.669 3771454.600 373.29
LOCATION L0001389 VOLUME 480738.792 3771463.189 373.30
LOCATION L0001390 VOLUME 480738.915 3771471.778 373.30
LOCATION L0001391 VOLUME 480739.039 3771480.367 373.30
LOCATION L0001392 VOLUME 480739.162 3771488.956 373.31
LOCATION L0001393 VOLUME 480739.286 3771497.545 373.30
LOCATION L0001394 VOLUME 480739.409 3771506.134 373.21
LOCATION L0001395 VOLUME 480739.532 3771514.723 373.12
LOCATION L0001396 VOLUME 480739.656 3771523.312 373.03
LOCATION L0001397 VOLUME 480739.779 3771531.902 373.00
LOCATION L0001398 VOLUME 480739.903 3771540.491 373.00
LOCATION L0001399 VOLUME 480740.026 3771549.080 373.00
LOCATION L0001400 VOLUME 480740.149 3771557.669 373.00
LOCATION L0001401 VOLUME 480740.273 3771566.258 373.00
LOCATION L0001402 VOLUME 480740.396 3771574.847 373.00
LOCATION L0001403 VOLUME 480741.941 3771581.971 373.00
LOCATION L0001404 VOLUME 480750.530 3771581.832 373.00
LOCATION L0001405 VOLUME 480759.119 3771581.694 373.00
LOCATION L0001406 VOLUME 480767.708 3771581.555 373.26
LOCATION L0001407 VOLUME 480776.297 3771581.417 373.55
LOCATION L0001408 VOLUME 480784.886 3771581.278 373.83
LOCATION L0001409 VOLUME 480793.474 3771581.140 374.00
LOCATION L0001410 VOLUME 480802.063 3771581.001 374.00
LOCATION L0001411 VOLUME 480810.652 3771580.862 374.00
LOCATION L0001412 VOLUME 480819.241 3771580.724 374.00
LOCATION L0001413 VOLUME 480827.830 3771580.585 374.00
LOCATION L0001414 VOLUME 480836.419 3771580.447 374.00
LOCATION L0001415 VOLUME 480845.008 3771580.308 374.00
LOCATION L0001416 VOLUME 480853.597 3771580.170 374.12
LOCATION L0001417 VOLUME 480862.186 3771580.031 374.41
LOCATION L0001418 VOLUME 480870.774 3771579.893 374.70
LOCATION L0001419 VOLUME 480879.363 3771579.754 374.98
LOCATION L0001420 VOLUME 480887.952 3771579.616 375.00
LOCATION L0001421 VOLUME 480896.541 3771579.477 375.00
LOCATION L0001422 VOLUME 480905.130 3771579.339 375.00
LOCATION L0001423 VOLUME 480913.719 3771579.200 375.13
LOCATION L0001424 VOLUME 480922.308 3771579.062 375.41
LOCATION L0001425 VOLUME 480930.897 3771578.923 375.70
LOCATION L0001426 VOLUME 480939.485 3771578.785 375.99
LOCATION L0001427 VOLUME 480948.074 3771578.646 376.00

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   LOCATION L0001428     VOLUME   480956.663 3771578.507 376.00
   LOCATION L0001429     VOLUME   480965.252 3771578.369 376.00
   LOCATION L0001430     VOLUME   480973.841 3771578.230 376.00
   LOCATION L0001431     VOLUME   480982.430 3771578.092 376.00
   LOCATION L0001432     VOLUME   480991.019 3771577.953 376.00
   LOCATION L0001433     VOLUME   480999.597 3771577.591 376.00
   LOCATION L0001434     VOLUME   481005.886 3771575.709 376.20
** End of LINE VOLUME Source ID = SLINE10
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Off-Site Travel 45% Outbound Dwy. 3
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.856E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 480736.379, 3771184.031, 373.93, 3.49, 4.00
** 480736.379, 3771295.263, 373.95, 3.49, 4.00
** 480740.499, 3771581.994, 372.95, 3.49, 4.00
** 480995.920, 3771577.874, 376.06, 3.49, 4.00
** 481006.631, 3771577.050, 376.14, 3.49, 4.00
** 481002.512, 3771569.635, 376.18, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001435     VOLUME   480736.379 3771188.326 374.00
   LOCATION L0001436     VOLUME   480736.379 3771196.916 374.00
   LOCATION L0001437     VOLUME   480736.379 3771205.506 374.00
   LOCATION L0001438     VOLUME   480736.379 3771214.096 374.00
   LOCATION L0001439     VOLUME   480736.379 3771222.686 374.00
   LOCATION L0001440     VOLUME   480736.379 3771231.276 374.00
   LOCATION L0001441     VOLUME   480736.379 3771239.866 374.00
   LOCATION L0001442     VOLUME   480736.379 3771248.456 374.00
   LOCATION L0001443     VOLUME   480736.379 3771257.046 374.00
   LOCATION L0001444     VOLUME   480736.379 3771265.636 374.00
   LOCATION L0001445     VOLUME   480736.379 3771274.226 374.00
   LOCATION L0001446     VOLUME   480736.379 3771282.816 374.00
   LOCATION L0001447     VOLUME   480736.379 3771291.406 374.00
   LOCATION L0001448     VOLUME   480736.447 3771299.996 374.00
   LOCATION L0001449     VOLUME   480736.571 3771308.585 374.00
   LOCATION L0001450     VOLUME   480736.694 3771317.174 374.00
   LOCATION L0001451     VOLUME   480736.817 3771325.763 374.00
   LOCATION L0001452     VOLUME   480736.941 3771334.352 374.00
   LOCATION L0001453     VOLUME   480737.064 3771342.941 374.00
   LOCATION L0001454     VOLUME   480737.188 3771351.530 373.87
   LOCATION L0001455     VOLUME   480737.311 3771360.119 373.65
   LOCATION L0001456     VOLUME   480737.434 3771368.708 373.44
   LOCATION L0001457     VOLUME   480737.558 3771377.298 373.26
   LOCATION L0001458     VOLUME   480737.681 3771385.887 373.26
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LOCATION L0001459 VOLUME 480737.805 3771394.476 373.26
LOCATION L0001460 VOLUME 480737.928 3771403.065 373.27
LOCATION L0001461 VOLUME 480738.051 3771411.654 373.27
LOCATION L0001462 VOLUME 480738.175 3771420.243 373.28
LOCATION L0001463 VOLUME 480738.298 3771428.832 373.28
LOCATION L0001464 VOLUME 480738.422 3771437.421 373.28
LOCATION L0001465 VOLUME 480738.545 3771446.010 373.29
LOCATION L0001466 VOLUME 480738.669 3771454.600 373.29
LOCATION L0001467 VOLUME 480738.792 3771463.189 373.30
LOCATION L0001468 VOLUME 480738.915 3771471.778 373.30
LOCATION L0001469 VOLUME 480739.039 3771480.367 373.30
LOCATION L0001470 VOLUME 480739.162 3771488.956 373.31
LOCATION L0001471 VOLUME 480739.286 3771497.545 373.30
LOCATION L0001472 VOLUME 480739.409 3771506.134 373.21
LOCATION L0001473 VOLUME 480739.532 3771514.723 373.12
LOCATION L0001474 VOLUME 480739.656 3771523.312 373.03
LOCATION L0001475 VOLUME 480739.779 3771531.902 373.00
LOCATION L0001476 VOLUME 480739.903 3771540.491 373.00
LOCATION L0001477 VOLUME 480740.026 3771549.080 373.00
LOCATION L0001478 VOLUME 480740.149 3771557.669 373.00
LOCATION L0001479 VOLUME 480740.273 3771566.258 373.00
LOCATION L0001480 VOLUME 480740.396 3771574.847 373.00
LOCATION L0001481 VOLUME 480741.941 3771581.971 373.00
LOCATION L0001482 VOLUME 480750.530 3771581.832 373.00
LOCATION L0001483 VOLUME 480759.119 3771581.694 373.00
LOCATION L0001484 VOLUME 480767.708 3771581.555 373.26
LOCATION L0001485 VOLUME 480776.297 3771581.417 373.55
LOCATION L0001486 VOLUME 480784.886 3771581.278 373.83
LOCATION L0001487 VOLUME 480793.474 3771581.140 374.00
LOCATION L0001488 VOLUME 480802.063 3771581.001 374.00
LOCATION L0001489 VOLUME 480810.652 3771580.862 374.00
LOCATION L0001490 VOLUME 480819.241 3771580.724 374.00
LOCATION L0001491 VOLUME 480827.830 3771580.585 374.00
LOCATION L0001492 VOLUME 480836.419 3771580.447 374.00
LOCATION L0001493 VOLUME 480845.008 3771580.308 374.00
LOCATION L0001494 VOLUME 480853.597 3771580.170 374.12
LOCATION L0001495 VOLUME 480862.186 3771580.031 374.41
LOCATION L0001496 VOLUME 480870.774 3771579.893 374.70
LOCATION L0001497 VOLUME 480879.363 3771579.754 374.98
LOCATION L0001498 VOLUME 480887.952 3771579.616 375.00
LOCATION L0001499 VOLUME 480896.541 3771579.477 375.00
LOCATION L0001500 VOLUME 480905.130 3771579.339 375.00
LOCATION L0001501 VOLUME 480913.719 3771579.200 375.13
LOCATION L0001502 VOLUME 480922.308 3771579.062 375.41
LOCATION L0001503 VOLUME 480930.897 3771578.923 375.70
LOCATION L0001504 VOLUME 480939.485 3771578.785 375.99
LOCATION L0001505 VOLUME 480948.074 3771578.646 376.00
LOCATION L0001506 VOLUME 480956.663 3771578.507 376.00
LOCATION L0001507 VOLUME 480965.252 3771578.369 376.00
LOCATION L0001508 VOLUME 480973.841 3771578.230 376.00

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   LOCATION L0001509     VOLUME   480982.430 3771578.092 376.00
   LOCATION L0001510     VOLUME   480991.019 3771577.953 376.00
   LOCATION L0001511     VOLUME   480999.597 3771577.591 376.00
   LOCATION L0001512     VOLUME   481005.886 3771575.709 376.20
** End of LINE VOLUME Source ID = SLINE14
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC Off-Site Travel 5% Inbound Dwy. 3
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 8.132E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 480741.323, 3771581.170, 372.95, 3.49, 4.00
** 481006.631, 3771577.050, 376.14, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001513     VOLUME   480745.617 3771581.103 373.00
   LOCATION L0001514     VOLUME   480754.206 3771580.970 373.00
   LOCATION L0001515     VOLUME   480762.795 3771580.837 373.10
   LOCATION L0001516     VOLUME   480771.384 3771580.703 373.38
   LOCATION L0001517     VOLUME   480779.973 3771580.570 373.67
   LOCATION L0001518     VOLUME   480788.562 3771580.437 373.96
   LOCATION L0001519     VOLUME   480797.151 3771580.303 374.00
   LOCATION L0001520     VOLUME   480805.740 3771580.170 374.00
   LOCATION L0001521     VOLUME   480814.329 3771580.036 374.00
   LOCATION L0001522     VOLUME   480822.918 3771579.903 374.00
   LOCATION L0001523     VOLUME   480831.507 3771579.770 374.00
   LOCATION L0001524     VOLUME   480840.096 3771579.636 374.00
   LOCATION L0001525     VOLUME   480848.685 3771579.503 374.00
   LOCATION L0001526     VOLUME   480857.274 3771579.370 374.25
   LOCATION L0001527     VOLUME   480865.863 3771579.236 374.53
   LOCATION L0001528     VOLUME   480874.452 3771579.103 374.82
   LOCATION L0001529     VOLUME   480883.041 3771578.969 375.00
   LOCATION L0001530     VOLUME   480891.630 3771578.836 375.00
   LOCATION L0001531     VOLUME   480900.219 3771578.703 375.00
   LOCATION L0001532     VOLUME   480908.808 3771578.569 375.00
   LOCATION L0001533     VOLUME   480917.397 3771578.436 375.25
   LOCATION L0001534     VOLUME   480925.986 3771578.303 375.54
   LOCATION L0001535     VOLUME   480934.575 3771578.169 375.82
   LOCATION L0001536     VOLUME   480943.163 3771578.036 376.00
   LOCATION L0001537     VOLUME   480951.752 3771577.902 376.00
   LOCATION L0001538     VOLUME   480960.341 3771577.769 376.00
   LOCATION L0001539     VOLUME   480968.930 3771577.636 376.00
   LOCATION L0001540     VOLUME   480977.519 3771577.502 376.00
   LOCATION L0001541     VOLUME   480986.108 3771577.369 376.00
   LOCATION L0001542     VOLUME   480994.697 3771577.236 376.00
   LOCATION L0001543     VOLUME   481003.286 3771577.102 376.11
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** End of LINE VOLUME Source ID = SLINE11
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC Off-Site Travel 5% Outbound Dwy. 1
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.852E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 480738.027, 3771256.538, 373.96, 3.49, 4.00
** 480741.323, 3771577.874, 372.94, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001544     VOLUME   480738.071 3771260.832 374.00
   LOCATION L0001545     VOLUME   480738.159 3771269.422 374.00
   LOCATION L0001546     VOLUME   480738.247 3771278.012 374.00
   LOCATION L0001547     VOLUME   480738.335 3771286.601 374.00
   LOCATION L0001548     VOLUME   480738.424 3771295.191 374.00
   LOCATION L0001549     VOLUME   480738.512 3771303.780 374.00
   LOCATION L0001550     VOLUME   480738.600 3771312.370 374.00
   LOCATION L0001551     VOLUME   480738.688 3771320.959 374.00
   LOCATION L0001552     VOLUME   480738.776 3771329.549 374.00
   LOCATION L0001553     VOLUME   480738.864 3771338.138 374.00
   LOCATION L0001554     VOLUME   480738.952 3771346.728 373.99
   LOCATION L0001555     VOLUME   480739.040 3771355.318 373.79
   LOCATION L0001556     VOLUME   480739.128 3771363.907 373.59
   LOCATION L0001557     VOLUME   480739.216 3771372.497 373.40
   LOCATION L0001558     VOLUME   480739.304 3771381.086 373.31
   LOCATION L0001559     VOLUME   480739.393 3771389.676 373.32
   LOCATION L0001560     VOLUME   480739.481 3771398.265 373.32
   LOCATION L0001561     VOLUME   480739.569 3771406.855 373.32
   LOCATION L0001562     VOLUME   480739.657 3771415.444 373.33
   LOCATION L0001563     VOLUME   480739.745 3771424.034 373.33
   LOCATION L0001564     VOLUME   480739.833 3771432.623 373.33
   LOCATION L0001565     VOLUME   480739.921 3771441.213 373.33
   LOCATION L0001566     VOLUME   480740.009 3771449.803 373.34
   LOCATION L0001567     VOLUME   480740.097 3771458.392 373.34
   LOCATION L0001568     VOLUME   480740.185 3771466.982 373.34
   LOCATION L0001569     VOLUME   480740.274 3771475.571 373.35
   LOCATION L0001570     VOLUME   480740.362 3771484.161 373.35
   LOCATION L0001571     VOLUME   480740.450 3771492.750 373.35
   LOCATION L0001572     VOLUME   480740.538 3771501.340 373.29
   LOCATION L0001573     VOLUME   480740.626 3771509.929 373.19
   LOCATION L0001574     VOLUME   480740.714 3771518.519 373.09
   LOCATION L0001575     VOLUME   480740.802 3771527.108 373.00
   LOCATION L0001576     VOLUME   480740.890 3771535.698 373.00
   LOCATION L0001577     VOLUME   480740.978 3771544.288 373.00
   LOCATION L0001578     VOLUME   480741.066 3771552.877 373.00
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   LOCATION L0001579     VOLUME   480741.155 3771561.467 373.00
   LOCATION L0001580     VOLUME   480741.243 3771570.056 373.00
** End of LINE VOLUME Source ID = SLINE13
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000846     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000847     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000848     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000849     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000850     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000851     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000852     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000853     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000854     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000855     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000856     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000857     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000858     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000859     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000860     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000861     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000862     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000863     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000864     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000865     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000866     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000867     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000868     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000869     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000870     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000871     0.0000002468      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000872     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000873     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000874     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000875     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000876     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000877     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000878     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000879     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000880     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000881     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000882     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000883     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000884     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000885     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000886     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000887     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000888     0.0000002468      3.49      4.00      3.25
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   SRCPARAM L0000889     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000890     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000891     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000892     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000893     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000894     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000895     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000896     0.0000002468      3.49      4.00      3.25
   SRCPARAM L0000897     0.0000002468      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000898     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000899     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000900     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000901     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000902     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000903     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000904     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000905     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000906     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000907     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000908     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000909     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000910     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000911     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000912     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000913     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000914     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000915     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000916     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000917     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000918     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000919     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000920     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000921     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000922     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000923     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000924     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000925     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000926     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000927     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000928     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000929     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000930     0.0000001214      3.49      4.00      3.25
   SRCPARAM L0000931     0.0000001214      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000932     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000933     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000934     0.0000001221      3.49      4.00      3.25
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   SRCPARAM L0000935     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000936     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000937     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000938     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000939     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000940     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000941     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000942     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000943     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000944     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000945     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000946     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000947     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000948     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000949     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000950     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000951     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000952     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000953     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000954     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000955     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000956     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000957     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000958     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000959     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000960     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000961     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000962     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000963     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000964     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000965     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000966     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000967     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000968     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000969     0.0000001221      3.49      4.00      3.25
   SRCPARAM L0000970     0.0000001221      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000971     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000972     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000973     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000974     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000975     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000976     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000977     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000978     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000979     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000980     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000981     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0000982     0.00000009504      3.49      4.00      3.25
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SRCPARAM L0000983     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000984     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000985     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000986     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000987     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000988     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000989     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000990     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000991     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000992     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000993     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000994     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000995     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000996     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000997     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000998     0.00000009504      3.49      4.00      3.25
SRCPARAM L0000999     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001000     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001001     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001002     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001003     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001004     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001005     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001006     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001007     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001008     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001009     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001010     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001011     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001012     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001013     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001014     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001015     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001016     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001017     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001018     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001019     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001020     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001021     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001022     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001023     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001024     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001025     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001026     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001027     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001028     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001029     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001030     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001031     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001032     0.00000009504      3.49      4.00      3.25
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SRCPARAM L0001033     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001034     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001035     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001036     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001037     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001038     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001039     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001040     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001041     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001042     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001043     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001044     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001045     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001046     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001047     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001048     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001049     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001050     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001051     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001052     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001053     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001054     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001055     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001056     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001057     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001058     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001059     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001060     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001061     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001062     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001063     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001064     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001065     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001066     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001067     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001068     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001069     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001070     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001071     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001072     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001073     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001074     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001075     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001076     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001077     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001078     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001079     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001080     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001081     0.00000009504      3.49      4.00      3.25
SRCPARAM L0001082     0.00000009504      3.49      4.00      3.25
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   SRCPARAM L0001083     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001084     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001085     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001086     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001087     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001088     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001089     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001090     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001091     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001092     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001093     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001094     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001095     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001096     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001097     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001098     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001099     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001100     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001101     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001102     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001103     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001104     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001105     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001106     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001107     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001108     0.00000009504      3.49      4.00      3.25
   SRCPARAM L0001109     0.00000009504      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0001110     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001111     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001112     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001113     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001114     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001115     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001116     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001117     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001118     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001119     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001120     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001121     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001122     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001123     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001124     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001125     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001126     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001127     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001128     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001129     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001130     0.000000005257      3.49      4.00      3.25
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SRCPARAM L0001131     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001132     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001133     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001134     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001135     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001136     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001137     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001138     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001139     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001140     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001141     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001142     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001143     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001144     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001145     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001146     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001147     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001148     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001149     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001150     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001151     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001152     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001153     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001154     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001155     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001156     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001157     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001158     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001159     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001160     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001161     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001162     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001163     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001164     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001165     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001166     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001167     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001168     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001169     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001170     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001171     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001172     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001173     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001174     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001175     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001176     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001177     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001178     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001179     0.000000005257      3.49      4.00      3.25
SRCPARAM L0001180     0.000000005257      3.49      4.00      3.25
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   SRCPARAM L0001181     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001182     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001183     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001184     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001185     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001186     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001187     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001188     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001189     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001190     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001191     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001192     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001193     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001194     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001195     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001196     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001197     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001198     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001199     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001200     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001201     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001202     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001203     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001204     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001205     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001206     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001207     0.000000005257      3.49      4.00      3.25
   SRCPARAM L0001208     0.000000005257      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0001209     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001210     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001211     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001212     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001213     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001214     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001215     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001216     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001217     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001218     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001219     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001220     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001221     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001222     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001223     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001224     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001225     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001226     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001227     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001228     0.000000005242      3.49      4.00      3.25
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SRCPARAM L0001229     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001230     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001231     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001232     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001233     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001234     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001235     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001236     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001237     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001238     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001239     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001240     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001241     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001242     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001243     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001244     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001245     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001246     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001247     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001248     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001249     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001250     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001251     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001252     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001253     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001254     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001255     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001256     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001257     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001258     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001259     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001260     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001261     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001262     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001263     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001264     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001265     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001266     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001267     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001268     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001269     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001270     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001271     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001272     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001273     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001274     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001275     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001276     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001277     0.000000005242      3.49      4.00      3.25
SRCPARAM L0001278     0.000000005242      3.49      4.00      3.25
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   SRCPARAM L0001279     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001280     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001281     0.000000005242      3.49      4.00      3.25
   SRCPARAM L0001282     0.000000005242      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0001283     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001284     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001285     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001286     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001287     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001288     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001289     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001290     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001291     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001292     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001293     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001294     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001295     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001296     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001297     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001298     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001299     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001300     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001301     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001302     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001303     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001304     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001305     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001306     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001307     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001308     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001309     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001310     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001311     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001312     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001313     0.00000002123      3.49      4.00      3.25
   SRCPARAM L0001314     0.00000002123      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0001315     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001316     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001317     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001318     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001319     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001320     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001321     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001322     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001323     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001324     0.00000002653      3.49      4.00      3.25
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   SRCPARAM L0001325     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001326     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001327     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001328     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001329     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001330     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001331     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001332     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001333     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001334     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001335     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001336     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001337     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001338     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001339     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001340     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001341     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001342     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001343     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001344     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001345     0.00000002653      3.49      4.00      3.25
   SRCPARAM L0001346     0.00000002653      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0001347     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001348     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001349     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001350     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001351     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001352     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001353     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001354     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001355     0.00000002651      3.49      4.00      3.25
   SRCPARAM L0001356     0.00000002651      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0001357     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001358     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001359     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001360     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001361     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001362     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001363     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001364     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001365     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001366     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001367     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001368     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001369     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001370     0.000000002644      3.49      4.00      3.25
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SRCPARAM L0001371     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001372     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001373     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001374     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001375     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001376     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001377     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001378     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001379     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001380     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001381     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001382     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001383     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001384     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001385     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001386     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001387     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001388     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001389     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001390     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001391     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001392     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001393     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001394     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001395     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001396     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001397     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001398     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001399     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001400     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001401     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001402     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001403     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001404     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001405     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001406     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001407     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001408     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001409     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001410     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001411     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001412     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001413     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001414     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001415     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001416     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001417     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001418     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001419     0.000000002644      3.49      4.00      3.25
SRCPARAM L0001420     0.000000002644      3.49      4.00      3.25
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   SRCPARAM L0001421     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001422     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001423     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001424     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001425     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001426     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001427     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001428     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001429     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001430     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001431     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001432     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001433     0.000000002644      3.49      4.00      3.25
   SRCPARAM L0001434     0.000000002644      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0001435     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001436     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001437     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001438     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001447     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001463     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001464     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001465     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001466     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001467     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001468     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001469     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001470     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001471     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001472     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001473     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001474     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001475     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001476     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001477     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001478     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001479     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001480     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001481     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001482     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001483     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001484     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001485     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001486     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001487     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001488     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001491     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001493     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001494     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001495     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001496     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001497     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001499     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001500     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001501     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001502     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001503     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001504     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001505     0.00000002379      3.49      4.00      3.25
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   SRCPARAM L0001507     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001508     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001509     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001510     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001511     0.00000002379      3.49      4.00      3.25
   SRCPARAM L0001512     0.00000002379      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0001513     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001514     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001515     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001516     0.000000002623      3.49      4.00      3.25
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   SRCPARAM L0001517     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001518     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001519     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001520     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001521     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001522     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001523     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001524     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001525     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001526     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001527     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001528     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001529     0.000000002623      3.49      4.00      3.25
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   SRCPARAM L0001531     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001532     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001533     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001534     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001535     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001536     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001537     0.000000002623      3.49      4.00      3.25
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   SRCPARAM L0001539     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001540     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001541     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001542     0.000000002623      3.49      4.00      3.25
   SRCPARAM L0001543     0.000000002623      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0001544     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001545     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001546     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001547     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001548     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001549     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001550     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001551     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001552     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001553     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001554     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001555     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001556     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001557     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001558     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001559     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001560     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001561     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001562     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001563     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001564     0.000000002663      3.49      4.00      3.25
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   SRCPARAM L0001565     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001566     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001567     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001568     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001569     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001570     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001571     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001572     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001573     0.000000002663      3.49      4.00      3.25
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   SRCPARAM L0001579     0.000000002663      3.49      4.00      3.25
   SRCPARAM L0001580     0.000000002663      3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13283 HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
```

```
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "13283 HRA.AD\AN00GALL.PLT" 31
   SUMMFILE "13283 HRA.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    1793       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    1793       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:27:29

                                   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   735 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* 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:    735 Source(s);       1 Source Group(s); and       9
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    735 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

```
and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   481.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                               ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   13283 HRA.err

 **File for Summary of Results:   13283 HRA.sum

↑ *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                   ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:27:29

                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0000846         0   0.24680E-06  480797.1 3771498.4   374.0     3.49     4.00
3.25     YES
 L0000847         0   0.24680E-06  480797.2 3771489.8   374.0     3.49     4.00
3.25     YES
 L0000848         0   0.24680E-06  480797.3 3771481.2   374.0     3.49     4.00
3.25     YES
 L0000849         0   0.24680E-06  480797.4 3771472.6   374.0     3.49     4.00
3.25     YES
 L0000850         0   0.24680E-06  480797.5 3771464.1   374.0     3.49     4.00
3.25     YES
 L0000851         0   0.24680E-06  480797.6 3771455.5   374.1     3.49     4.00
```

3.25 YES
L0000852 0 0.24680E-06 480797.7 3771446.9 374.2 3.49 4.00
3.25 YES
L0000853 0 0.24680E-06 480797.8 3771438.3 374.2 3.49 4.00
3.25 YES
L0000854 0 0.24680E-06 480797.9 3771429.7 374.3 3.49 4.00
3.25 YES
L0000855 0 0.24680E-06 480798.0 3771421.1 374.3 3.49 4.00
3.25 YES
L0000856 0 0.24680E-06 480798.1 3771412.5 374.3 3.49 4.00
3.25 YES
L0000857 0 0.24680E-06 480798.2 3771403.9 374.3 3.49 4.00
3.25 YES
L0000858 0 0.24680E-06 480798.3 3771395.3 374.3 3.49 4.00
3.25 YES
L0000859 0 0.24680E-06 480798.4 3771386.7 374.3 3.49 4.00
3.25 YES
L0000860 0 0.24680E-06 480798.5 3771378.2 374.3 3.49 4.00
3.25 YES
L0000861 0 0.24680E-06 480798.6 3771369.6 374.3 3.49 4.00
3.25 YES
L0000862 0 0.24680E-06 480798.7 3771361.0 374.3 3.49 4.00
3.25 YES
L0000863 0 0.24680E-06 480798.8 3771352.4 374.3 3.49 4.00
3.25 YES
L0000864 0 0.24680E-06 480798.9 3771343.8 374.4 3.49 4.00
3.25 YES
L0000865 0 0.24680E-06 480799.0 3771335.2 374.6 3.49 4.00
3.25 YES
L0000866 0 0.24680E-06 480799.1 3771326.6 374.8 3.49 4.00
3.25 YES
L0000867 0 0.24680E-06 480799.2 3771318.0 375.0 3.49 4.00
3.25 YES
L0000868 0 0.24680E-06 480799.3 3771309.4 375.0 3.49 4.00
3.25 YES
L0000869 0 0.24680E-06 480799.4 3771300.9 375.0 3.49 4.00
3.25 YES
L0000870 0 0.24680E-06 480799.5 3771292.3 375.0 3.49 4.00
3.25 YES
L0000871 0 0.24680E-06 480799.5 3771283.7 375.0 3.49 4.00
3.25 YES
L0000872 0 0.24680E-06 480967.8 3771500.0 376.8 3.49 4.00
3.25 YES
L0000873 0 0.24680E-06 480967.9 3771491.4 376.9 3.49 4.00
3.25 YES
L0000874 0 0.24680E-06 480968.0 3771482.8 376.9 3.49 4.00
3.25 YES
L0000875 0 0.24680E-06 480968.0 3771474.2 376.9 3.49 4.00
3.25 YES
L0000876 0 0.24680E-06 480968.1 3771465.6 376.9 3.49 4.00

3.25   YES
 L0000877   0   0.24680E-06 480968.2 3771457.0   377.0   3.49   4.00
3.25   YES
 L0000878   0   0.24680E-06 480968.3 3771448.4   377.0   3.49   4.00
3.25   YES
 L0000879   0   0.24680E-06 480968.4 3771439.8   377.0   3.49   4.00
3.25   YES
 L0000880   0   0.24680E-06 480968.4 3771431.2   377.0   3.49   4.00
3.25   YES
 L0000881   0   0.24680E-06 480968.5 3771422.7   377.0   3.49   4.00
3.25   YES
 L0000882   0   0.24680E-06 480968.6 3771414.1   377.0   3.49   4.00
3.25   YES
 L0000883   0   0.24680E-06 480968.7 3771405.5   377.0   3.49   4.00
3.25   YES
 L0000884   0   0.24680E-06 480968.8 3771396.9   377.3   3.49   4.00
3.25   YES
 L0000885   0   0.24680E-06 480968.8 3771388.3   377.6   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0000886   0   0.24680E-06 480968.9 3771379.7   377.9   3.49   4.00
3.25   YES
 L0000887   0   0.24680E-06 480969.0 3771371.1   378.0   3.49   4.00
3.25   YES
 L0000888   0   0.24680E-06 480969.1 3771362.5   378.0   3.49   4.00
3.25   YES
 L0000889   0   0.24680E-06 480969.2 3771353.9   378.0   3.49   4.00
3.25   YES
 L0000890   0   0.24680E-06 480969.2 3771345.4   378.0   3.49   4.00
3.25   YES
 L0000891   0   0.24680E-06 480969.3 3771336.8   378.0   3.49   4.00

3.25 YES
L0000892 0 0.24680E-06 480969.4 3771328.2 378.0 3.49 4.00
3.25 YES
L0000893 0 0.24680E-06 480969.5 3771319.6 378.0 3.49 4.00
3.25 YES
L0000894 0 0.24680E-06 480969.6 3771311.0 378.0 3.49 4.00
3.25 YES
L0000895 0 0.24680E-06 480969.6 3771302.4 378.0 3.49 4.00
3.25 YES
L0000896 0 0.24680E-06 480969.7 3771293.8 378.0 3.49 4.00
3.25 YES
L0000897 0 0.24680E-06 480969.8 3771285.2 378.0 3.49 4.00
3.25 YES
L0000898 0 0.12140E-06 480776.1 3771516.7 373.7 3.49 4.00
3.25 YES
L0000899 0 0.12140E-06 480776.1 3771508.1 373.8 3.49 4.00
3.25 YES
L0000900 0 0.12140E-06 480776.1 3771499.5 373.9 3.49 4.00
3.25 YES
L0000901 0 0.12140E-06 480776.1 3771490.9 374.0 3.49 4.00
3.25 YES
L0000902 0 0.12140E-06 480776.1 3771482.3 374.0 3.49 4.00
3.25 YES
L0000903 0 0.12140E-06 480776.0 3771473.7 374.0 3.49 4.00
3.25 YES
L0000904 0 0.12140E-06 480776.0 3771465.1 374.0 3.49 4.00
3.25 YES
L0000905 0 0.12140E-06 480776.0 3771456.5 374.0 3.49 4.00
3.25 YES
L0000906 0 0.12140E-06 480776.0 3771448.0 374.0 3.49 4.00
3.25 YES
L0000907 0 0.12140E-06 480776.0 3771439.4 374.0 3.49 4.00
3.25 YES
L0000908 0 0.12140E-06 480776.0 3771430.8 374.0 3.49 4.00
3.25 YES
L0000909 0 0.12140E-06 480775.9 3771422.2 374.0 3.49 4.00
3.25 YES
L0000910 0 0.12140E-06 480775.9 3771413.6 374.0 3.49 4.00
3.25 YES
L0000911 0 0.12140E-06 480775.9 3771405.0 374.0 3.49 4.00
3.25 YES
L0000912 0 0.12140E-06 480775.9 3771396.4 374.0 3.49 4.00
3.25 YES
L0000913 0 0.12140E-06 480775.9 3771387.8 374.0 3.49 4.00
3.25 YES
L0000914 0 0.12140E-06 480775.8 3771379.2 374.0 3.49 4.00
3.25 YES
L0000915 0 0.12140E-06 480775.8 3771370.6 374.0 3.49 4.00
3.25 YES
L0000916 0 0.12140E-06 480775.8 3771362.1 374.0 3.49 4.00

3.25   YES
 L0000917   0   0.12140E-06 480775.8 3771353.5   374.0   3.49   4.00
3.25   YES
 L0000918   0   0.12140E-06 480775.8 3771344.9   374.0   3.49   4.00
3.25   YES
 L0000919   0   0.12140E-06 480775.7 3771336.3   374.2   3.49   4.00
3.25   YES
 L0000920   0   0.12140E-06 480775.7 3771327.7   374.3   3.49   4.00
3.25   YES
 L0000921   0   0.12140E-06 480775.7 3771319.1   374.5   3.49   4.00
3.25   YES
 L0000922   0   0.12140E-06 480775.7 3771310.5   374.5   3.49   4.00
3.25   YES
 L0000923   0   0.12140E-06 480775.7 3771301.9   374.5   3.49   4.00
3.25   YES
 L0000924   0   0.12140E-06 480775.6 3771293.3   374.5   3.49   4.00
3.25   YES
 L0000925   0   0.12140E-06 480775.6 3771284.7   374.5   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0000926   0   0.12140E-06 480775.6 3771276.2   374.5   3.49   4.00
3.25   YES
 L0000927   0   0.12140E-06 480775.6 3771267.6   374.5   3.49   4.00
3.25   YES
 L0000928   0   0.12140E-06 480775.6 3771259.0   374.5   3.49   4.00
3.25   YES
 L0000929   0   0.12140E-06 480770.0 3771255.7   374.3   3.49   4.00
3.25   YES
 L0000930   0   0.12140E-06 480761.4 3771255.4   374.1   3.49   4.00
3.25   YES
 L0000931   0   0.12140E-06 480752.8 3771255.0   374.0   3.49   4.00

3.25 YES
L0000932 0 0.12210E-06 481001.3 3771555.8 376.1 3.49 4.00
3.25 YES
L0000933 0 0.12210E-06 480999.7 3771547.4 376.3 3.49 4.00
3.25 YES
L0000934 0 0.12210E-06 480998.2 3771538.9 376.6 3.49 4.00
3.25 YES
L0000935 0 0.12210E-06 480996.6 3771530.5 376.8 3.49 4.00
3.25 YES
L0000936 0 0.12210E-06 480995.3 3771522.0 376.9 3.49 4.00
3.25 YES
L0000937 0 0.12210E-06 480994.0 3771513.5 376.9 3.49 4.00
3.25 YES
L0000938 0 0.12210E-06 480992.7 3771505.0 376.9 3.49 4.00
3.25 YES
L0000939 0 0.12210E-06 480991.5 3771496.5 377.0 3.49 4.00
3.25 YES
L0000940 0 0.12210E-06 480991.1 3771487.9 377.0 3.49 4.00
3.25 YES
L0000941 0 0.12210E-06 480991.2 3771479.4 377.0 3.49 4.00
3.25 YES
L0000942 0 0.12210E-06 480991.2 3771470.8 377.0 3.49 4.00
3.25 YES
L0000943 0 0.12210E-06 480991.3 3771462.2 377.1 3.49 4.00
3.25 YES
L0000944 0 0.12210E-06 480991.3 3771453.6 377.3 3.49 4.00
3.25 YES
L0000945 0 0.12210E-06 480991.4 3771445.0 377.5 3.49 4.00
3.25 YES
L0000946 0 0.12210E-06 480991.4 3771436.4 377.7 3.49 4.00
3.25 YES
L0000947 0 0.12210E-06 480991.5 3771427.8 377.7 3.49 4.00
3.25 YES
L0000948 0 0.12210E-06 480991.5 3771419.2 377.7 3.49 4.00
3.25 YES
L0000949 0 0.12210E-06 480991.6 3771410.6 377.7 3.49 4.00
3.25 YES
L0000950 0 0.12210E-06 480991.6 3771402.1 377.8 3.49 4.00
3.25 YES
L0000951 0 0.12210E-06 480991.7 3771393.5 377.8 3.49 4.00
3.25 YES
L0000952 0 0.12210E-06 480991.6 3771384.9 377.9 3.49 4.00
3.25 YES
L0000953 0 0.12210E-06 480991.4 3771376.3 378.0 3.49 4.00
3.25 YES
L0000954 0 0.12210E-06 480991.3 3771367.7 378.0 3.49 4.00
3.25 YES
L0000955 0 0.12210E-06 480991.2 3771359.1 378.0 3.49 4.00
3.25 YES
L0000956 0 0.12210E-06 480991.0 3771350.5 378.0 3.49 4.00

3.25   YES
 L0000957   0   0.12210E-06 480990.9 3771341.9   378.0   3.49   4.00
3.25   YES
 L0000958   0   0.12210E-06 480990.8 3771333.3   378.0   3.49   4.00
3.25   YES
 L0000959   0   0.12210E-06 480990.6 3771324.7   378.0   3.49   4.00
3.25   YES
 L0000960   0   0.12210E-06 480990.5 3771316.2   378.0   3.49   4.00
3.25   YES
 L0000961   0   0.12210E-06 480990.4 3771307.6   378.0   3.49   4.00
3.25   YES
 L0000962   0   0.12210E-06 480990.2 3771299.0   378.0   3.49   4.00
3.25   YES
 L0000963   0   0.12210E-06 480990.1 3771290.4   378.0   3.49   4.00
3.25   YES
 L0000964   0   0.12210E-06 480990.0 3771281.8   378.1   3.49   4.00
3.25   YES
 L0000965   0   0.12210E-06 480989.9 3771273.2   378.3   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0000966   0   0.12210E-06 480989.7 3771264.6   378.5   3.49   4.00
3.25   YES
 L0000967   0   0.12210E-06 480989.6 3771256.0   378.7   3.49   4.00
3.25   YES
 L0000968   0   0.12210E-06 480989.5 3771247.4   378.7   3.49   4.00
3.25   YES
 L0000969   0   0.12210E-06 480989.3 3771238.9   378.7   3.49   4.00
3.25   YES
 L0000970   0   0.12210E-06 480990.6 3771230.5   378.7   3.49   4.00
3.25   YES
 L0000971   0   0.95040E-07 481514.7 3770752.7   386.2   3.49   4.00

3.25 YES
L0000972 0 0.95040E-07 481506.1 3770752.8 386.0 3.49 4.00
3.25 YES
L0000973 0 0.95040E-07 481497.5 3770752.9 386.0 3.49 4.00
3.25 YES
L0000974 0 0.95040E-07 481488.9 3770753.0 386.0 3.49 4.00
3.25 YES
L0000975 0 0.95040E-07 481480.3 3770753.1 386.0 3.49 4.00
3.25 YES
L0000976 0 0.95040E-07 481471.7 3770753.3 385.7 3.49 4.00
3.25 YES
L0000977 0 0.95040E-07 481463.1 3770753.4 385.4 3.49 4.00
3.25 YES
L0000978 0 0.95040E-07 481454.5 3770753.5 385.2 3.49 4.00
3.25 YES
L0000979 0 0.95040E-07 481445.9 3770753.6 385.0 3.49 4.00
3.25 YES
L0000980 0 0.95040E-07 481437.3 3770753.7 385.0 3.49 4.00
3.25 YES
L0000981 0 0.95040E-07 481428.8 3770753.8 385.0 3.49 4.00
3.25 YES
L0000982 0 0.95040E-07 481420.2 3770753.9 385.0 3.49 4.00
3.25 YES
L0000983 0 0.95040E-07 481411.6 3770754.1 384.7 3.49 4.00
3.25 YES
L0000984 0 0.95040E-07 481403.0 3770754.2 384.4 3.49 4.00
3.25 YES
L0000985 0 0.95040E-07 481394.4 3770754.3 384.2 3.49 4.00
3.25 YES
L0000986 0 0.95040E-07 481385.8 3770754.4 384.0 3.49 4.00
3.25 YES
L0000987 0 0.95040E-07 481377.2 3770754.5 384.0 3.49 4.00
3.25 YES
L0000988 0 0.95040E-07 481368.6 3770754.6 384.0 3.49 4.00
3.25 YES
L0000989 0 0.95040E-07 481360.0 3770754.8 384.0 3.49 4.00
3.25 YES
L0000990 0 0.95040E-07 481351.5 3770754.9 383.7 3.49 4.00
3.25 YES
L0000991 0 0.95040E-07 481342.9 3770755.0 383.4 3.49 4.00
3.25 YES
L0000992 0 0.95040E-07 481334.3 3770755.1 383.2 3.49 4.00
3.25 YES
L0000993 0 0.95040E-07 481325.7 3770755.2 383.0 3.49 4.00
3.25 YES
L0000994 0 0.95040E-07 481317.1 3770755.3 383.0 3.49 4.00
3.25 YES
L0000995 0 0.95040E-07 481308.5 3770755.5 383.0 3.49 4.00
3.25 YES
L0000996 0 0.95040E-07 481299.9 3770755.6 383.0 3.49 4.00

3.25   YES
 L0000997   0   0.95040E-07 481291.3 3770755.7   382.7   3.49   4.00
3.25   YES
 L0000998   0   0.95040E-07 481282.7 3770755.8   382.4   3.49   4.00
3.25   YES
 L0000999   0   0.95040E-07 481274.2 3770755.9   382.1   3.49   4.00
3.25   YES
 L0001000   0   0.95040E-07 481265.6 3770756.0   382.0   3.49   4.00
3.25   YES
 L0001001   0   0.95040E-07 481257.0 3770756.2   382.0   3.49   4.00
3.25   YES
 L0001002   0   0.95040E-07 481248.4 3770756.3   382.0   3.49   4.00
3.25   YES
 L0001003   0   0.95040E-07 481239.8 3770756.4   382.0   3.49   4.00
3.25   YES
 L0001004   0   0.95040E-07 481231.2 3770756.5   382.0   3.49   4.00
3.25   YES
 L0001005   0   0.95040E-07 481222.6 3770756.6   382.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001006   0   0.95040E-07 481214.0 3770756.7   382.0   3.49   4.00
3.25   YES
 L0001007   0   0.95040E-07 481205.4 3770756.9   381.9   3.49   4.00
3.25   YES
 L0001008   0   0.95040E-07 481196.9 3770757.0   381.6   3.49   4.00
3.25   YES
 L0001009   0   0.95040E-07 481188.3 3770757.1   381.3   3.49   4.00
3.25   YES
 L0001010   0   0.95040E-07 481179.7 3770757.2   381.0   3.49   4.00
3.25   YES
 L0001011   0   0.95040E-07 481171.1 3770757.3   380.7   3.49   4.00

3.25 YES
L0001012 0 0.95040E-07 481162.5 3770757.4 380.4 3.49 4.00
3.25 YES
L0001013 0 0.95040E-07 481153.9 3770757.6 380.1 3.49 4.00
3.25 YES
L0001014 0 0.95040E-07 481145.3 3770757.7 380.0 3.49 4.00
3.25 YES
L0001015 0 0.95040E-07 481136.7 3770757.8 380.0 3.49 4.00
3.25 YES
L0001016 0 0.95040E-07 481128.1 3770757.9 380.0 3.49 4.00
3.25 YES
L0001017 0 0.95040E-07 481119.5 3770758.0 380.0 3.49 4.00
3.25 YES
L0001018 0 0.95040E-07 481111.0 3770758.1 380.0 3.49 4.00
3.25 YES
L0001019 0 0.95040E-07 481102.4 3770758.3 380.0 3.49 4.00
3.25 YES
L0001020 0 0.95040E-07 481093.8 3770758.4 380.0 3.49 4.00
3.25 YES
L0001021 0 0.95040E-07 481085.2 3770758.5 379.8 3.49 4.00
3.25 YES
L0001022 0 0.95040E-07 481076.6 3770758.6 379.6 3.49 4.00
3.25 YES
L0001023 0 0.95040E-07 481068.0 3770758.7 379.3 3.49 4.00
3.25 YES
L0001024 0 0.95040E-07 481059.4 3770758.8 379.0 3.49 4.00
3.25 YES
L0001025 0 0.95040E-07 481050.8 3770759.0 379.0 3.49 4.00
3.25 YES
L0001026 0 0.95040E-07 481042.2 3770759.1 379.0 3.49 4.00
3.25 YES
L0001027 0 0.95040E-07 481033.7 3770759.2 379.0 3.49 4.00
3.25 YES
L0001028 0 0.95040E-07 481025.1 3770759.3 378.8 3.49 4.00
3.25 YES
L0001029 0 0.95040E-07 481016.5 3770759.4 378.6 3.49 4.00
3.25 YES
L0001030 0 0.95040E-07 481007.9 3770759.5 378.3 3.49 4.00
3.25 YES
L0001031 0 0.95040E-07 480999.3 3770759.7 378.0 3.49 4.00
3.25 YES
L0001032 0 0.95040E-07 480990.7 3770759.8 378.0 3.49 4.00
3.25 YES
L0001033 0 0.95040E-07 480982.1 3770759.9 378.0 3.49 4.00
3.25 YES
L0001034 0 0.95040E-07 480973.5 3770760.0 378.0 3.49 4.00
3.25 YES
L0001035 0 0.95040E-07 480964.9 3770760.1 377.8 3.49 4.00
3.25 YES
L0001036 0 0.95040E-07 480956.4 3770760.2 377.6 3.49 4.00

3.25   YES
 L0001037   0   0.95040E-07 480947.8 3770760.4   377.3   3.49   4.00
3.25   YES
 L0001038   0   0.95040E-07 480939.2 3770760.5   377.0   3.49   4.00
3.25   YES
 L0001039   0   0.95040E-07 480930.6 3770760.6   377.0   3.49   4.00
3.25   YES
 L0001040   0   0.95040E-07 480922.0 3770760.7   377.0   3.49   4.00
3.25   YES
 L0001041   0   0.95040E-07 480913.4 3770760.8   377.0   3.49   4.00
3.25   YES
 L0001042   0   0.95040E-07 480904.8 3770760.9   376.8   3.49   4.00
3.25   YES
 L0001043   0   0.95040E-07 480896.2 3770761.1   376.5   3.49   4.00
3.25   YES
 L0001044   0   0.95040E-07 480887.6 3770761.2   376.3   3.49   4.00
3.25   YES
 L0001045   0   0.95040E-07 480879.1 3770761.3   376.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001046   0   0.95040E-07 480870.5 3770761.4   376.0   3.49   4.00
3.25   YES
 L0001047   0   0.95040E-07 480861.9 3770761.5   376.0   3.49   4.00
3.25   YES
 L0001048   0   0.95040E-07 480853.3 3770761.6   376.0   3.49   4.00
3.25   YES
 L0001049   0   0.95040E-07 480844.7 3770761.8   375.8   3.49   4.00
3.25   YES
 L0001050   0   0.95040E-07 480836.1 3770761.9   375.5   3.49   4.00
3.25   YES
 L0001051   0   0.95040E-07 480827.5 3770762.0   375.2   3.49   4.00

3.25 YES
L0001052 0 0.95040E-07 480818.9 3770762.1 375.0 3.49 4.00
3.25 YES
L0001053 0 0.95040E-07 480810.3 3770762.2 375.0 3.49 4.00
3.25 YES
L0001054 0 0.95040E-07 480801.7 3770762.3 375.0 3.49 4.00
3.25 YES
L0001055 0 0.95040E-07 480793.2 3770762.5 375.0 3.49 4.00
3.25 YES
L0001056 0 0.95040E-07 480784.6 3770762.6 374.8 3.49 4.00
3.25 YES
L0001057 0 0.95040E-07 480776.0 3770762.7 374.5 3.49 4.00
3.25 YES
L0001058 0 0.95040E-07 480767.4 3770762.8 374.2 3.49 4.00
3.25 YES
L0001059 0 0.95040E-07 480758.8 3770762.9 374.0 3.49 4.00
3.25 YES
L0001060 0 0.95040E-07 480750.2 3770763.0 374.0 3.49 4.00
3.25 YES
L0001061 0 0.95040E-07 480741.6 3770763.1 374.0 3.49 4.00
3.25 YES
L0001062 0 0.95040E-07 480741.1 3770771.4 374.0 3.49 4.00
3.25 YES
L0001063 0 0.95040E-07 480741.0 3770779.9 374.0 3.49 4.00
3.25 YES
L0001064 0 0.95040E-07 480740.9 3770788.5 374.0 3.49 4.00
3.25 YES
L0001065 0 0.95040E-07 480740.8 3770797.1 374.0 3.49 4.00
3.25 YES
L0001066 0 0.95040E-07 480740.7 3770805.7 374.0 3.49 4.00
3.25 YES
L0001067 0 0.95040E-07 480740.6 3770814.3 374.0 3.49 4.00
3.25 YES
L0001068 0 0.95040E-07 480740.5 3770822.9 374.0 3.49 4.00
3.25 YES
L0001069 0 0.95040E-07 480740.4 3770831.5 374.0 3.49 4.00
3.25 YES
L0001070 0 0.95040E-07 480740.3 3770840.1 374.0 3.49 4.00
3.25 YES
L0001071 0 0.95040E-07 480740.2 3770848.7 374.0 3.49 4.00
3.25 YES
L0001072 0 0.95040E-07 480740.1 3770857.3 374.0 3.49 4.00
3.25 YES
L0001073 0 0.95040E-07 480739.9 3770865.8 374.0 3.49 4.00
3.25 YES
L0001074 0 0.95040E-07 480739.8 3770874.4 374.0 3.49 4.00
3.25 YES
L0001075 0 0.95040E-07 480739.7 3770883.0 374.0 3.49 4.00
3.25 YES
L0001076 0 0.95040E-07 480739.6 3770891.6 374.0 3.49 4.00

3.25 YES
L0001077 0 0.95040E-07 480739.5 3770900.2 374.0 3.49 4.00
3.25 YES
L0001078 0 0.95040E-07 480739.4 3770908.8 374.0 3.49 4.00
3.25 YES
L0001079 0 0.95040E-07 480739.3 3770917.4 374.0 3.49 4.00
3.25 YES
L0001080 0 0.95040E-07 480739.2 3770926.0 374.0 3.49 4.00
3.25 YES
L0001081 0 0.95040E-07 480739.1 3770934.6 374.0 3.49 4.00
3.25 YES
L0001082 0 0.95040E-07 480739.0 3770943.1 374.0 3.49 4.00
3.25 YES
L0001083 0 0.95040E-07 480738.9 3770951.7 374.0 3.49 4.00
3.25 YES
L0001084 0 0.95040E-07 480738.8 3770960.3 374.0 3.49 4.00
3.25 YES
L0001085 0 0.95040E-07 480738.6 3770968.9 374.0 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 BY	EMISSION RATE SCALAR VARY
L0001086	0	0.95040E-07	480738.5	3770977.5	374.0	3.49	4.00	3.25	YES	
L0001087	0	0.95040E-07	480738.4	3770986.1	374.0	3.49	4.00	3.25	YES	
L0001088	0	0.95040E-07	480738.3	3770994.7	374.0	3.49	4.00	3.25	YES	
L0001089	0	0.95040E-07	480738.2	3771003.3	374.0	3.49	4.00	3.25	YES	
L0001090	0	0.95040E-07	480738.1	3771011.9	374.0	3.49	4.00	3.25	YES	
L0001091	0	0.95040E-07	480738.0	3771020.4	374.0	3.49	4.00			

```
3.25     YES
 L0001092         0   0.95040E-07  480737.9 3771029.0   374.0     3.49     4.00
3.25     YES
 L0001093         0   0.95040E-07  480737.8 3771037.6   374.0     3.49     4.00
3.25     YES
 L0001094         0   0.95040E-07  480737.7 3771046.2   374.0     3.49     4.00
3.25     YES
 L0001095         0   0.95040E-07  480737.6 3771054.8   374.0     3.49     4.00
3.25     YES
 L0001096         0   0.95040E-07  480737.5 3771063.4   374.0     3.49     4.00
3.25     YES
 L0001097         0   0.95040E-07  480737.4 3771072.0   374.0     3.49     4.00
3.25     YES
 L0001098         0   0.95040E-07  480737.2 3771080.6   374.0     3.49     4.00
3.25     YES
 L0001099         0   0.95040E-07  480737.1 3771089.2   374.0     3.49     4.00
3.25     YES
 L0001100         0   0.95040E-07  480737.0 3771097.8   374.0     3.49     4.00
3.25     YES
 L0001101         0   0.95040E-07  480736.9 3771106.3   374.0     3.49     4.00
3.25     YES
 L0001102         0   0.95040E-07  480736.8 3771114.9   374.0     3.49     4.00
3.25     YES
 L0001103         0   0.95040E-07  480736.7 3771123.5   374.0     3.49     4.00
3.25     YES
 L0001104         0   0.95040E-07  480736.6 3771132.1   374.0     3.49     4.00
3.25     YES
 L0001105         0   0.95040E-07  480736.5 3771140.7   374.0     3.49     4.00
3.25     YES
 L0001106         0   0.95040E-07  480736.4 3771149.3   374.0     3.49     4.00
3.25     YES
 L0001107         0   0.95040E-07  480736.3 3771157.9   374.0     3.49     4.00
3.25     YES
 L0001108         0   0.95040E-07  480736.2 3771166.5   374.0     3.49     4.00
3.25     YES
 L0001109         0   0.95040E-07  480736.1 3771175.1   374.0     3.49     4.00
3.25     YES
 L0001110         0   0.52570E-08  480736.0 3771175.4   374.0     3.49     4.00
3.25     YES
 L0001111         0   0.52570E-08  480735.9 3771166.8   374.0     3.49     4.00
3.25     YES
 L0001112         0   0.52570E-08  480735.9 3771158.2   374.0     3.49     4.00
3.25     YES
 L0001113         0   0.52570E-08  480735.9 3771149.6   374.0     3.49     4.00
3.25     YES
 L0001114         0   0.52570E-08  480735.8 3771141.0   374.0     3.49     4.00
3.25     YES
 L0001115         0   0.52570E-08  480735.8 3771132.4   374.0     3.49     4.00
3.25     YES
 L0001116         0   0.52570E-08  480735.8 3771123.9   374.0     3.49     4.00
```

3.25   YES
 L0001117   0   0.52570E-08 480735.8 3771115.3   374.0   3.49   4.00
3.25   YES
 L0001118   0   0.52570E-08 480735.7 3771106.7   374.0   3.49   4.00
3.25   YES
 L0001119   0   0.52570E-08 480735.7 3771098.1   374.0   3.49   4.00
3.25   YES
 L0001120   0   0.52570E-08 480735.7 3771089.5   374.0   3.49   4.00
3.25   YES
 L0001121   0   0.52570E-08 480735.7 3771080.9   374.0   3.49   4.00
3.25   YES
 L0001122   0   0.52570E-08 480735.6 3771072.3   374.0   3.49   4.00
3.25   YES
 L0001123   0   0.52570E-08 480735.6 3771063.7   374.0   3.49   4.00
3.25   YES
 L0001124   0   0.52570E-08 480735.6 3771055.1   374.0   3.49   4.00
3.25   YES
 L0001125   0   0.52570E-08 480735.6 3771046.5   374.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001126   0   0.52570E-08 480735.5 3771038.0   374.0   3.49   4.00
3.25   YES
 L0001127   0   0.52570E-08 480735.5 3771029.4   374.0   3.49   4.00
3.25   YES
 L0001128   0   0.52570E-08 480735.5 3771020.8   374.0   3.49   4.00
3.25   YES
 L0001129   0   0.52570E-08 480735.4 3771012.2   374.0   3.49   4.00
3.25   YES
 L0001130   0   0.52570E-08 480735.4 3771003.6   374.0   3.49   4.00
3.25   YES
 L0001131   0   0.52570E-08 480735.4 3770995.0   374.0   3.49   4.00

3.25 YES
L0001132 0 0.52570E-08 480735.4 3770986.4 374.0 3.49 4.00
3.25 YES
L0001133 0 0.52570E-08 480735.3 3770977.8 374.0 3.49 4.00
3.25 YES
L0001134 0 0.52570E-08 480735.3 3770969.2 374.0 3.49 4.00
3.25 YES
L0001135 0 0.52570E-08 480735.3 3770960.6 374.0 3.49 4.00
3.25 YES
L0001136 0 0.52570E-08 480735.3 3770952.1 374.0 3.49 4.00
3.25 YES
L0001137 0 0.52570E-08 480735.2 3770943.5 374.0 3.49 4.00
3.25 YES
L0001138 0 0.52570E-08 480735.2 3770934.9 374.0 3.49 4.00
3.25 YES
L0001139 0 0.52570E-08 480735.2 3770926.3 374.0 3.49 4.00
3.25 YES
L0001140 0 0.52570E-08 480735.2 3770917.7 374.0 3.49 4.00
3.25 YES
L0001141 0 0.52570E-08 480735.1 3770909.1 374.0 3.49 4.00
3.25 YES
L0001142 0 0.52570E-08 480735.1 3770900.5 374.0 3.49 4.00
3.25 YES
L0001143 0 0.52570E-08 480735.1 3770891.9 374.0 3.49 4.00
3.25 YES
L0001144 0 0.52570E-08 480735.0 3770883.3 374.0 3.49 4.00
3.25 YES
L0001145 0 0.52570E-08 480735.0 3770874.7 374.0 3.49 4.00
3.25 YES
L0001146 0 0.52570E-08 480735.0 3770866.2 374.0 3.49 4.00
3.25 YES
L0001147 0 0.52570E-08 480735.0 3770857.6 374.0 3.49 4.00
3.25 YES
L0001148 0 0.52570E-08 480734.9 3770849.0 374.0 3.49 4.00
3.25 YES
L0001149 0 0.52570E-08 480734.9 3770840.4 374.0 3.49 4.00
3.25 YES
L0001150 0 0.52570E-08 480734.9 3770831.8 374.0 3.49 4.00
3.25 YES
L0001151 0 0.52570E-08 480734.9 3770823.2 374.0 3.49 4.00
3.25 YES
L0001152 0 0.52570E-08 480734.8 3770814.6 374.0 3.49 4.00
3.25 YES
L0001153 0 0.52570E-08 480734.8 3770806.0 374.0 3.49 4.00
3.25 YES
L0001154 0 0.52570E-08 480734.8 3770797.4 374.0 3.49 4.00
3.25 YES
L0001155 0 0.52570E-08 480734.8 3770788.8 374.0 3.49 4.00
3.25 YES
L0001156 0 0.52570E-08 480734.7 3770780.3 374.0 3.49 4.00

3.25   YES
 L0001157   0   0.52570E-08 480734.7 3770771.7   374.0   3.49   4.00
3.25   YES
 L0001158   0   0.52570E-08 480734.7 3770763.1   374.0   3.49   4.00
3.25   YES
 L0001159   0   0.52570E-08 480734.6 3770754.5   374.0   3.49   4.00
3.25   YES
 L0001160   0   0.52570E-08 480734.6 3770745.9   374.0   3.49   4.00
3.25   YES
 L0001161   0   0.52570E-08 480734.6 3770737.3   374.0   3.49   4.00
3.25   YES
 L0001162   0   0.52570E-08 480734.6 3770728.7   374.0   3.49   4.00
3.25   YES
 L0001163   0   0.52570E-08 480734.5 3770720.1   374.0   3.49   4.00
3.25   YES
 L0001164   0   0.52570E-08 480734.5 3770711.5   374.0   3.49   4.00
3.25   YES
 L0001165   0   0.52570E-08 480734.5 3770702.9   374.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001166   0   0.52570E-08 480734.5 3770694.4   374.0   3.49   4.00
3.25   YES
 L0001167   0   0.52570E-08 480734.4 3770685.8   374.0   3.49   4.00
3.25   YES
 L0001168   0   0.52570E-08 480734.4 3770677.2   374.0   3.49   4.00
3.25   YES
 L0001169   0   0.52570E-08 480734.4 3770668.6   374.0   3.49   4.00
3.25   YES
 L0001170   0   0.52570E-08 480734.4 3770660.0   374.0   3.49   4.00
3.25   YES
 L0001171   0   0.52570E-08 480734.3 3770651.4   374.0   3.49   4.00

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3.25     YES
 L0001172         0   0.52570E-08  480734.3 3770642.8   374.1     3.49     4.00
3.25     YES
 L0001173         0   0.52570E-08  480734.3 3770634.2   374.1     3.49     4.00
3.25     YES
 L0001174         0   0.52570E-08  480734.2 3770625.6   374.1     3.49     4.00
3.25     YES
 L0001175         0   0.52570E-08  480734.2 3770617.0   374.1     3.49     4.00
3.25     YES
 L0001176         0   0.52570E-08  480734.2 3770608.5   374.1     3.49     4.00
3.25     YES
 L0001177         0   0.52570E-08  480734.2 3770599.9   374.1     3.49     4.00
3.25     YES
 L0001178         0   0.52570E-08  480734.1 3770591.3   374.1     3.49     4.00
3.25     YES
 L0001179         0   0.52570E-08  480734.1 3770582.7   374.1     3.49     4.00
3.25     YES
 L0001180         0   0.52570E-08  480734.1 3770574.1   374.1     3.49     4.00
3.25     YES
 L0001181         0   0.52570E-08  480734.1 3770565.5   374.1     3.49     4.00
3.25     YES
 L0001182         0   0.52570E-08  480734.0 3770556.9   374.1     3.49     4.00
3.25     YES
 L0001183         0   0.52570E-08  480734.0 3770548.3   374.1     3.49     4.00
3.25     YES
 L0001184         0   0.52570E-08  480734.0 3770539.7   374.1     3.49     4.00
3.25     YES
 L0001185         0   0.52570E-08  480734.0 3770531.1   374.1     3.49     4.00
3.25     YES
 L0001186         0   0.52570E-08  480733.9 3770522.6   374.1     3.49     4.00
3.25     YES
 L0001187         0   0.52570E-08  480733.9 3770514.0   374.1     3.49     4.00
3.25     YES
 L0001188         0   0.52570E-08  480733.9 3770505.4   374.1     3.49     4.00
3.25     YES
 L0001189         0   0.52570E-08  480733.8 3770496.8   374.1     3.49     4.00
3.25     YES
 L0001190         0   0.52570E-08  480733.8 3770488.2   374.1     3.49     4.00
3.25     YES
 L0001191         0   0.52570E-08  480733.8 3770479.6   374.1     3.49     4.00
3.25     YES
 L0001192         0   0.52570E-08  480733.8 3770471.0   374.3     3.49     4.00
3.25     YES
 L0001193         0   0.52570E-08  480733.7 3770462.4   374.5     3.49     4.00
3.25     YES
 L0001194         0   0.52570E-08  480733.7 3770453.8   374.8     3.49     4.00
3.25     YES
 L0001195         0   0.52570E-08  480733.7 3770445.2   375.0     3.49     4.00
3.25     YES
 L0001196         0   0.52570E-08  480733.7 3770436.7   375.0     3.49     4.00
```

3.25 YES
L0001197 0 0.52570E-08 480733.6 3770428.1 375.0 3.49 4.00
3.25 YES
L0001198 0 0.52570E-08 480733.6 3770419.5 375.0 3.49 4.00
3.25 YES
L0001199 0 0.52570E-08 480733.6 3770410.9 375.0 3.49 4.00
3.25 YES
L0001200 0 0.52570E-08 480733.6 3770402.3 375.0 3.49 4.00
3.25 YES
L0001201 0 0.52570E-08 480733.5 3770393.7 375.0 3.49 4.00
3.25 YES
L0001202 0 0.52570E-08 480733.5 3770385.1 375.0 3.49 4.00
3.25 YES
L0001203 0 0.52570E-08 480733.5 3770376.5 375.0 3.49 4.00
3.25 YES
L0001204 0 0.52570E-08 480733.4 3770367.9 375.1 3.49 4.00
3.25 YES
L0001205 0 0.52570E-08 480733.4 3770359.3 375.1 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 BY	EMISSION RATE SCALAR VARY
L0001206	0	0.52570E-08	480733.4	3770350.8	375.1	3.49	4.00	3.25	YES	
L0001207	0	0.52570E-08	480733.4	3770342.2	375.1	3.49	4.00	3.25	YES	
L0001208	0	0.52570E-08	480733.3	3770333.6	375.1	3.49	4.00	3.25	YES	
L0001209	0	0.52420E-08	480743.9	3771587.3	373.0	3.49	4.00	3.25	YES	
L0001210	0	0.52420E-08	480743.9	3771595.9	373.0	3.49	4.00	3.25	YES	
L0001211	0	0.52420E-08	480743.9	3771604.5	373.0	3.49	4.00			

3.25 YES
L0001212 0 0.52420E-08 480743.9 3771613.1 373.0 3.49 4.00
3.25 YES
L0001213 0 0.52420E-08 480743.9 3771621.7 372.9 3.49 4.00
3.25 YES
L0001214 0 0.52420E-08 480743.9 3771630.3 372.8 3.49 4.00
3.25 YES
L0001215 0 0.52420E-08 480743.9 3771638.9 372.6 3.49 4.00
3.25 YES
L0001216 0 0.52420E-08 480743.9 3771647.5 372.5 3.49 4.00
3.25 YES
L0001217 0 0.52420E-08 480743.9 3771656.1 372.5 3.49 4.00
3.25 YES
L0001218 0 0.52420E-08 480743.9 3771664.6 372.5 3.49 4.00
3.25 YES
L0001219 0 0.52420E-08 480743.9 3771673.2 372.5 3.49 4.00
3.25 YES
L0001220 0 0.52420E-08 480743.9 3771681.8 372.4 3.49 4.00
3.25 YES
L0001221 0 0.52420E-08 480743.9 3771690.4 372.2 3.49 4.00
3.25 YES
L0001222 0 0.52420E-08 480743.9 3771699.0 372.1 3.49 4.00
3.25 YES
L0001223 0 0.52420E-08 480743.9 3771707.6 372.0 3.49 4.00
3.25 YES
L0001224 0 0.52420E-08 480743.9 3771716.2 372.0 3.49 4.00
3.25 YES
L0001225 0 0.52420E-08 480743.9 3771724.8 372.0 3.49 4.00
3.25 YES
L0001226 0 0.52420E-08 480743.9 3771733.4 372.0 3.49 4.00
3.25 YES
L0001227 0 0.52420E-08 480743.9 3771742.0 371.9 3.49 4.00
3.25 YES
L0001228 0 0.52420E-08 480743.9 3771750.5 371.8 3.49 4.00
3.25 YES
L0001229 0 0.52420E-08 480743.9 3771759.1 371.6 3.49 4.00
3.25 YES
L0001230 0 0.52420E-08 480743.9 3771767.7 371.5 3.49 4.00
3.25 YES
L0001231 0 0.52420E-08 480743.9 3771776.3 371.5 3.49 4.00
3.25 YES
L0001232 0 0.52420E-08 480743.9 3771784.9 371.5 3.49 4.00
3.25 YES
L0001233 0 0.52420E-08 480743.9 3771793.5 371.5 3.49 4.00
3.25 YES
L0001234 0 0.52420E-08 480743.9 3771802.1 371.5 3.49 4.00
3.25 YES
L0001235 0 0.52420E-08 480743.9 3771810.7 371.5 3.49 4.00
3.25 YES
L0001236 0 0.52420E-08 480743.9 3771819.3 371.5 3.49 4.00

3.25   YES
 L0001237   0   0.52420E-08 480743.9 3771827.9   371.5   3.49   4.00
3.25   YES
 L0001238   0   0.52420E-08 480743.9 3771836.4   371.5   3.49   4.00
3.25   YES
 L0001239   0   0.52420E-08 480743.9 3771845.0   371.5   3.49   4.00
3.25   YES
 L0001240   0   0.52420E-08 480743.9 3771853.6   371.5   3.49   4.00
3.25   YES
 L0001241   0   0.52420E-08 480743.9 3771862.2   371.5   3.49   4.00
3.25   YES
 L0001242   0   0.52420E-08 480743.9 3771870.8   371.5   3.49   4.00
3.25   YES
 L0001243   0   0.52420E-08 480743.9 3771879.4   371.5   3.49   4.00
3.25   YES
 L0001244   0   0.52420E-08 480743.9 3771888.0   371.5   3.49   4.00
3.25   YES
 L0001245   0   0.52420E-08 480743.9 3771896.6   371.5   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001246   0   0.52420E-08 480743.9 3771905.2   371.5   3.49   4.00
3.25   YES
 L0001247   0   0.52420E-08 480743.9 3771913.8   371.5   3.49   4.00
3.25   YES
 L0001248   0   0.52420E-08 480743.9 3771922.3   371.3   3.49   4.00
3.25   YES
 L0001249   0   0.52420E-08 480743.9 3771930.9   371.0   3.49   4.00
3.25   YES
 L0001250   0   0.52420E-08 480743.9 3771939.5   370.7   3.49   4.00
3.25   YES
 L0001251   0   0.52420E-08 480743.9 3771948.1   370.5   3.49   4.00

3.25 YES
L0001252 0 0.52420E-08 480743.9 3771956.7 370.5 3.49 4.00
3.25 YES
L0001253 0 0.52420E-08 480743.9 3771965.3 370.5 3.49 4.00
3.25 YES
L0001254 0 0.52420E-08 480743.9 3771973.9 370.5 3.49 4.00
3.25 YES
L0001255 0 0.52420E-08 480743.9 3771982.5 370.2 3.49 4.00
3.25 YES
L0001256 0 0.52420E-08 480743.9 3771991.1 369.7 3.49 4.00
3.25 YES
L0001257 0 0.52420E-08 480743.9 3771999.7 369.3 3.49 4.00
3.25 YES
L0001258 0 0.52420E-08 480743.9 3772008.2 368.8 3.49 4.00
3.25 YES
L0001259 0 0.52420E-08 480743.9 3772016.8 368.1 3.49 4.00
3.25 YES
L0001260 0 0.52420E-08 480743.9 3772025.4 367.4 3.49 4.00
3.25 YES
L0001261 0 0.52420E-08 480743.9 3772034.0 366.7 3.49 4.00
3.25 YES
L0001262 0 0.52420E-08 480743.9 3772042.6 366.2 3.49 4.00
3.25 YES
L0001263 0 0.52420E-08 480743.9 3772051.2 366.0 3.49 4.00
3.25 YES
L0001264 0 0.52420E-08 480743.9 3772059.8 365.7 3.49 4.00
3.25 YES
L0001265 0 0.52420E-08 480743.9 3772068.4 365.4 3.49 4.00
3.25 YES
L0001266 0 0.52420E-08 480743.9 3772077.0 365.3 3.49 4.00
3.25 YES
L0001267 0 0.52420E-08 480743.9 3772085.6 365.2 3.49 4.00
3.25 YES
L0001268 0 0.52420E-08 480743.9 3772094.1 365.0 3.49 4.00
3.25 YES
L0001269 0 0.52420E-08 480743.9 3772102.7 364.9 3.49 4.00
3.25 YES
L0001270 0 0.52420E-08 480743.9 3772111.3 364.7 3.49 4.00
3.25 YES
L0001271 0 0.52420E-08 480743.9 3772119.9 364.6 3.49 4.00
3.25 YES
L0001272 0 0.52420E-08 480743.9 3772128.5 364.4 3.49 4.00
3.25 YES
L0001273 0 0.52420E-08 480743.9 3772137.1 364.3 3.49 4.00
3.25 YES
L0001274 0 0.52420E-08 480743.9 3772145.7 364.2 3.49 4.00
3.25 YES
L0001275 0 0.52420E-08 480743.9 3772154.3 364.0 3.49 4.00
3.25 YES
L0001276 0 0.52420E-08 480743.9 3772162.9 364.0 3.49 4.00

3.25   YES
 L0001277   0   0.52420E-08 480743.9 3772171.5   364.0   3.49   4.00
3.25   YES
 L0001278   0   0.52420E-08 480743.9 3772180.0   364.0   3.49   4.00
3.25   YES
 L0001279   0   0.52420E-08 480743.9 3772188.6   364.0   3.49   4.00
3.25   YES
 L0001280   0   0.52420E-08 480743.9 3772197.2   363.8   3.49   4.00
3.25   YES
 L0001281   0   0.52420E-08 480743.9 3772205.8   363.7   3.49   4.00
3.25   YES
 L0001282   0   0.52420E-08 480743.9 3772214.4   363.5   3.49   4.00
3.25   YES
 L0001283   0   0.21230E-07 480741.5 3771177.4   374.0   3.49   4.00
3.25   YES
 L0001284   0   0.21230E-07 480750.1 3771177.3   374.0   3.49   4.00
3.25   YES
 L0001285   0   0.21230E-07 480758.7 3771177.3   374.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001286   0   0.21230E-07 480767.3 3771177.2   374.2   3.49   4.00
3.25   YES
 L0001287   0   0.21230E-07 480775.9 3771177.1   374.5   3.49   4.00
3.25   YES
 L0001288   0   0.21230E-07 480784.4 3771177.1   374.8   3.49   4.00
3.25   YES
 L0001289   0   0.21230E-07 480793.0 3771177.0   375.0   3.49   4.00
3.25   YES
 L0001290   0   0.21230E-07 480801.6 3771176.9   375.0   3.49   4.00
3.25   YES
 L0001291   0   0.21230E-07 480810.2 3771176.9   375.0   3.49   4.00

3.25 YES
L0001292 0 0.21230E-07 480818.8 3771176.8 375.0 3.49 4.00
3.25 YES
L0001293 0 0.21230E-07 480827.4 3771176.7 375.2 3.49 4.00
3.25 YES
L0001294 0 0.21230E-07 480836.0 3771176.7 375.5 3.49 4.00
3.25 YES
L0001295 0 0.21230E-07 480844.5 3771177.5 375.8 3.49 4.00
3.25 YES
L0001296 0 0.21230E-07 480852.7 3771179.8 376.0 3.49 4.00
3.25 YES
L0001297 0 0.21230E-07 480861.0 3771182.0 376.2 3.49 4.00
3.25 YES
L0001298 0 0.21230E-07 480869.3 3771184.3 376.4 3.49 4.00
3.25 YES
L0001299 0 0.21230E-07 480877.6 3771186.5 376.6 3.49 4.00
3.25 YES
L0001300 0 0.21230E-07 480885.9 3771188.7 376.8 3.49 4.00
3.25 YES
L0001301 0 0.21230E-07 480894.2 3771191.0 376.9 3.49 4.00
3.25 YES
L0001302 0 0.21230E-07 480902.5 3771193.2 377.0 3.49 4.00
3.25 YES
L0001303 0 0.21230E-07 480910.8 3771195.4 377.0 3.49 4.00
3.25 YES
L0001304 0 0.21230E-07 480919.1 3771197.6 377.3 3.49 4.00
3.25 YES
L0001305 0 0.21230E-07 480927.4 3771199.8 377.6 3.49 4.00
3.25 YES
L0001306 0 0.21230E-07 480935.7 3771201.9 377.9 3.49 4.00
3.25 YES
L0001307 0 0.21230E-07 480944.1 3771204.1 378.0 3.49 4.00
3.25 YES
L0001308 0 0.21230E-07 480952.4 3771206.2 378.0 3.49 4.00
3.25 YES
L0001309 0 0.21230E-07 480960.7 3771208.4 378.0 3.49 4.00
3.25 YES
L0001310 0 0.21230E-07 480969.2 3771209.1 378.0 3.49 4.00
3.25 YES
L0001311 0 0.21230E-07 480977.8 3771209.6 378.1 3.49 4.00
3.25 YES
L0001312 0 0.21230E-07 480986.4 3771210.1 378.2 3.49 4.00
3.25 YES
L0001313 0 0.21230E-07 480991.7 3771213.6 378.4 3.49 4.00
3.25 YES
L0001314 0 0.21230E-07 480991.3 3771222.1 378.6 3.49 4.00
3.25 YES
L0001315 0 0.26530E-07 480741.5 3771177.4 374.0 3.49 4.00
3.25 YES
L0001316 0 0.26530E-07 480750.1 3771177.3 374.0 3.49 4.00

3.25   YES
 L0001317   0   0.26530E-07 480758.7 3771177.3   374.0   3.49   4.00
3.25   YES
 L0001318   0   0.26530E-07 480767.3 3771177.2   374.2   3.49   4.00
3.25   YES
 L0001319   0   0.26530E-07 480775.9 3771177.1   374.5   3.49   4.00
3.25   YES
 L0001320   0   0.26530E-07 480784.4 3771177.1   374.8   3.49   4.00
3.25   YES
 L0001321   0   0.26530E-07 480793.0 3771177.0   375.0   3.49   4.00
3.25   YES
 L0001322   0   0.26530E-07 480801.6 3771176.9   375.0   3.49   4.00
3.25   YES
 L0001323   0   0.26530E-07 480810.2 3771176.9   375.0   3.49   4.00
3.25   YES
 L0001324   0   0.26530E-07 480818.8 3771176.8   375.0   3.49   4.00
3.25   YES
 L0001325   0   0.26530E-07 480827.4 3771176.7   375.2   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001326   0   0.26530E-07 480836.0 3771176.7   375.5   3.49   4.00
3.25   YES
 L0001327   0   0.26530E-07 480844.5 3771177.5   375.8   3.49   4.00
3.25   YES
 L0001328   0   0.26530E-07 480852.7 3771179.8   376.0   3.49   4.00
3.25   YES
 L0001329   0   0.26530E-07 480861.0 3771182.0   376.2   3.49   4.00
3.25   YES
 L0001330   0   0.26530E-07 480869.3 3771184.3   376.4   3.49   4.00
3.25   YES
 L0001331   0   0.26530E-07 480877.6 3771186.5   376.6   3.49   4.00

3.25 YES
L0001332 0 0.26530E-07 480885.9 3771188.7 376.8 3.49 4.00
3.25 YES
L0001333 0 0.26530E-07 480894.2 3771191.0 376.9 3.49 4.00
3.25 YES
L0001334 0 0.26530E-07 480902.5 3771193.2 377.0 3.49 4.00
3.25 YES
L0001335 0 0.26530E-07 480910.8 3771195.4 377.0 3.49 4.00
3.25 YES
L0001336 0 0.26530E-07 480919.1 3771197.6 377.3 3.49 4.00
3.25 YES
L0001337 0 0.26530E-07 480927.4 3771199.8 377.6 3.49 4.00
3.25 YES
L0001338 0 0.26530E-07 480935.7 3771201.9 377.9 3.49 4.00
3.25 YES
L0001339 0 0.26530E-07 480944.1 3771204.1 378.0 3.49 4.00
3.25 YES
L0001340 0 0.26530E-07 480952.4 3771206.2 378.0 3.49 4.00
3.25 YES
L0001341 0 0.26530E-07 480960.7 3771208.4 378.0 3.49 4.00
3.25 YES
L0001342 0 0.26530E-07 480969.2 3771209.1 378.0 3.49 4.00
3.25 YES
L0001343 0 0.26530E-07 480977.8 3771209.6 378.1 3.49 4.00
3.25 YES
L0001344 0 0.26530E-07 480986.4 3771210.1 378.2 3.49 4.00
3.25 YES
L0001345 0 0.26530E-07 480991.7 3771213.6 378.4 3.49 4.00
3.25 YES
L0001346 0 0.26530E-07 480991.3 3771222.1 378.6 3.49 4.00
3.25 YES
L0001347 0 0.26510E-07 480742.8 3771256.5 374.0 3.49 4.00
3.25 YES
L0001348 0 0.26510E-07 480735.6 3771255.2 374.0 3.49 4.00
3.25 YES
L0001349 0 0.26510E-07 480735.6 3771246.6 374.0 3.49 4.00
3.25 YES
L0001350 0 0.26510E-07 480735.6 3771238.0 374.0 3.49 4.00
3.25 YES
L0001351 0 0.26510E-07 480735.6 3771229.4 374.0 3.49 4.00
3.25 YES
L0001352 0 0.26510E-07 480735.6 3771220.8 374.0 3.49 4.00
3.25 YES
L0001353 0 0.26510E-07 480735.6 3771212.2 374.0 3.49 4.00
3.25 YES
L0001354 0 0.26510E-07 480735.6 3771203.6 374.0 3.49 4.00
3.25 YES
L0001355 0 0.26510E-07 480735.6 3771195.1 374.0 3.49 4.00
3.25 YES
L0001356 0 0.26510E-07 480735.6 3771186.5 374.0 3.49 4.00

3.25 YES
L0001357 0 0.26440E-08 480736.4 3771188.3 374.0 3.49 4.00
3.25 YES
L0001358 0 0.26440E-08 480736.4 3771196.9 374.0 3.49 4.00
3.25 YES
L0001359 0 0.26440E-08 480736.4 3771205.5 374.0 3.49 4.00
3.25 YES
L0001360 0 0.26440E-08 480736.4 3771214.1 374.0 3.49 4.00
3.25 YES
L0001361 0 0.26440E-08 480736.4 3771222.7 374.0 3.49 4.00
3.25 YES
L0001362 0 0.26440E-08 480736.4 3771231.3 374.0 3.49 4.00
3.25 YES
L0001363 0 0.26440E-08 480736.4 3771239.9 374.0 3.49 4.00
3.25 YES
L0001364 0 0.26440E-08 480736.4 3771248.5 374.0 3.49 4.00
3.25 YES
L0001365 0 0.26440E-08 480736.4 3771257.0 374.0 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 BY	EMISSION RATE SCALAR VARY
L0001366	0	0.26440E-08	480736.4	3771265.6	374.0	3.49	4.00	3.25	YES	
L0001367	0	0.26440E-08	480736.4	3771274.2	374.0	3.49	4.00	3.25	YES	
L0001368	0	0.26440E-08	480736.4	3771282.8	374.0	3.49	4.00	3.25	YES	
L0001369	0	0.26440E-08	480736.4	3771291.4	374.0	3.49	4.00	3.25	YES	
L0001370	0	0.26440E-08	480736.4	3771300.0	374.0	3.49	4.00	3.25	YES	
L0001371	0	0.26440E-08	480736.6	3771308.6	374.0	3.49	4.00			

3.25 YES
L0001372 0 0.26440E-08 480736.7 3771317.2 374.0 3.49 4.00
3.25 YES
L0001373 0 0.26440E-08 480736.8 3771325.8 374.0 3.49 4.00
3.25 YES
L0001374 0 0.26440E-08 480736.9 3771334.4 374.0 3.49 4.00
3.25 YES
L0001375 0 0.26440E-08 480737.1 3771342.9 374.0 3.49 4.00
3.25 YES
L0001376 0 0.26440E-08 480737.2 3771351.5 373.9 3.49 4.00
3.25 YES
L0001377 0 0.26440E-08 480737.3 3771360.1 373.7 3.49 4.00
3.25 YES
L0001378 0 0.26440E-08 480737.4 3771368.7 373.4 3.49 4.00
3.25 YES
L0001379 0 0.26440E-08 480737.6 3771377.3 373.3 3.49 4.00
3.25 YES
L0001380 0 0.26440E-08 480737.7 3771385.9 373.3 3.49 4.00
3.25 YES
L0001381 0 0.26440E-08 480737.8 3771394.5 373.3 3.49 4.00
3.25 YES
L0001382 0 0.26440E-08 480737.9 3771403.1 373.3 3.49 4.00
3.25 YES
L0001383 0 0.26440E-08 480738.1 3771411.7 373.3 3.49 4.00
3.25 YES
L0001384 0 0.26440E-08 480738.2 3771420.2 373.3 3.49 4.00
3.25 YES
L0001385 0 0.26440E-08 480738.3 3771428.8 373.3 3.49 4.00
3.25 YES
L0001386 0 0.26440E-08 480738.4 3771437.4 373.3 3.49 4.00
3.25 YES
L0001387 0 0.26440E-08 480738.5 3771446.0 373.3 3.49 4.00
3.25 YES
L0001388 0 0.26440E-08 480738.7 3771454.6 373.3 3.49 4.00
3.25 YES
L0001389 0 0.26440E-08 480738.8 3771463.2 373.3 3.49 4.00
3.25 YES
L0001390 0 0.26440E-08 480738.9 3771471.8 373.3 3.49 4.00
3.25 YES
L0001391 0 0.26440E-08 480739.0 3771480.4 373.3 3.49 4.00
3.25 YES
L0001392 0 0.26440E-08 480739.2 3771489.0 373.3 3.49 4.00
3.25 YES
L0001393 0 0.26440E-08 480739.3 3771497.5 373.3 3.49 4.00
3.25 YES
L0001394 0 0.26440E-08 480739.4 3771506.1 373.2 3.49 4.00
3.25 YES
L0001395 0 0.26440E-08 480739.5 3771514.7 373.1 3.49 4.00
3.25 YES
L0001396 0 0.26440E-08 480739.7 3771523.3 373.0 3.49 4.00

3.25   YES
 L0001397   0   0.26440E-08 480739.8 3771531.9   373.0   3.49   4.00
3.25   YES
 L0001398   0   0.26440E-08 480739.9 3771540.5   373.0   3.49   4.00
3.25   YES
 L0001399   0   0.26440E-08 480740.0 3771549.1   373.0   3.49   4.00
3.25   YES
 L0001400   0   0.26440E-08 480740.1 3771557.7   373.0   3.49   4.00
3.25   YES
 L0001401   0   0.26440E-08 480740.3 3771566.3   373.0   3.49   4.00
3.25   YES
 L0001402   0   0.26440E-08 480740.4 3771574.8   373.0   3.49   4.00
3.25   YES
 L0001403   0   0.26440E-08 480741.9 3771582.0   373.0   3.49   4.00
3.25   YES
 L0001404   0   0.26440E-08 480750.5 3771581.8   373.0   3.49   4.00
3.25   YES
 L0001405   0   0.26440E-08 480759.1 3771581.7   373.0   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001406   0   0.26440E-08 480767.7 3771581.6   373.3   3.49   4.00
3.25   YES
 L0001407   0   0.26440E-08 480776.3 3771581.4   373.6   3.49   4.00
3.25   YES
 L0001408   0   0.26440E-08 480784.9 3771581.3   373.8   3.49   4.00
3.25   YES
 L0001409   0   0.26440E-08 480793.5 3771581.1   374.0   3.49   4.00
3.25   YES
 L0001410   0   0.26440E-08 480802.1 3771581.0   374.0   3.49   4.00
3.25   YES
 L0001411   0   0.26440E-08 480810.7 3771580.9   374.0   3.49   4.00

3.25 YES
L0001412 0 0.26440E-08 480819.2 3771580.7 374.0 3.49 4.00
3.25 YES
L0001413 0 0.26440E-08 480827.8 3771580.6 374.0 3.49 4.00
3.25 YES
L0001414 0 0.26440E-08 480836.4 3771580.4 374.0 3.49 4.00
3.25 YES
L0001415 0 0.26440E-08 480845.0 3771580.3 374.0 3.49 4.00
3.25 YES
L0001416 0 0.26440E-08 480853.6 3771580.2 374.1 3.49 4.00
3.25 YES
L0001417 0 0.26440E-08 480862.2 3771580.0 374.4 3.49 4.00
3.25 YES
L0001418 0 0.26440E-08 480870.8 3771579.9 374.7 3.49 4.00
3.25 YES
L0001419 0 0.26440E-08 480879.4 3771579.8 375.0 3.49 4.00
3.25 YES
L0001420 0 0.26440E-08 480888.0 3771579.6 375.0 3.49 4.00
3.25 YES
L0001421 0 0.26440E-08 480896.5 3771579.5 375.0 3.49 4.00
3.25 YES
L0001422 0 0.26440E-08 480905.1 3771579.3 375.0 3.49 4.00
3.25 YES
L0001423 0 0.26440E-08 480913.7 3771579.2 375.1 3.49 4.00
3.25 YES
L0001424 0 0.26440E-08 480922.3 3771579.1 375.4 3.49 4.00
3.25 YES
L0001425 0 0.26440E-08 480930.9 3771578.9 375.7 3.49 4.00
3.25 YES
L0001426 0 0.26440E-08 480939.5 3771578.8 376.0 3.49 4.00
3.25 YES
L0001427 0 0.26440E-08 480948.1 3771578.6 376.0 3.49 4.00
3.25 YES
L0001428 0 0.26440E-08 480956.7 3771578.5 376.0 3.49 4.00
3.25 YES
L0001429 0 0.26440E-08 480965.3 3771578.4 376.0 3.49 4.00
3.25 YES
L0001430 0 0.26440E-08 480973.8 3771578.2 376.0 3.49 4.00
3.25 YES
L0001431 0 0.26440E-08 480982.4 3771578.1 376.0 3.49 4.00
3.25 YES
L0001432 0 0.26440E-08 480991.0 3771578.0 376.0 3.49 4.00
3.25 YES
L0001433 0 0.26440E-08 480999.6 3771577.6 376.0 3.49 4.00
3.25 YES
L0001434 0 0.26440E-08 481005.9 3771575.7 376.2 3.49 4.00
3.25 YES
L0001435 0 0.23790E-07 480736.4 3771188.3 374.0 3.49 4.00
3.25 YES
L0001436 0 0.23790E-07 480736.4 3771196.9 374.0 3.49 4.00

3.25 YES
L0001437 0 0.23790E-07 480736.4 3771205.5 374.0 3.49 4.00
3.25 YES
L0001438 0 0.23790E-07 480736.4 3771214.1 374.0 3.49 4.00
3.25 YES
L0001439 0 0.23790E-07 480736.4 3771222.7 374.0 3.49 4.00
3.25 YES
L0001440 0 0.23790E-07 480736.4 3771231.3 374.0 3.49 4.00
3.25 YES
L0001441 0 0.23790E-07 480736.4 3771239.9 374.0 3.49 4.00
3.25 YES
L0001442 0 0.23790E-07 480736.4 3771248.5 374.0 3.49 4.00
3.25 YES
L0001443 0 0.23790E-07 480736.4 3771257.0 374.0 3.49 4.00
3.25 YES
L0001444 0 0.23790E-07 480736.4 3771265.6 374.0 3.49 4.00
3.25 YES
L0001445 0 0.23790E-07 480736.4 3771274.2 374.0 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 BY	EMISSION RATE SCALAR VARY
L0001446	0	0.23790E-07	480736.4	3771282.8	374.0	3.49	4.00	3.25	YES	
L0001447	0	0.23790E-07	480736.4	3771291.4	374.0	3.49	4.00	3.25	YES	
L0001448	0	0.23790E-07	480736.4	3771300.0	374.0	3.49	4.00	3.25	YES	
L0001449	0	0.23790E-07	480736.6	3771308.6	374.0	3.49	4.00	3.25	YES	
L0001450	0	0.23790E-07	480736.7	3771317.2	374.0	3.49	4.00	3.25	YES	
L0001451	0	0.23790E-07	480736.8	3771325.8	374.0	3.49	4.00			

3.25 YES
L0001452 0 0.23790E-07 480736.9 3771334.4 374.0 3.49 4.00
3.25 YES
L0001453 0 0.23790E-07 480737.1 3771342.9 374.0 3.49 4.00
3.25 YES
L0001454 0 0.23790E-07 480737.2 3771351.5 373.9 3.49 4.00
3.25 YES
L0001455 0 0.23790E-07 480737.3 3771360.1 373.7 3.49 4.00
3.25 YES
L0001456 0 0.23790E-07 480737.4 3771368.7 373.4 3.49 4.00
3.25 YES
L0001457 0 0.23790E-07 480737.6 3771377.3 373.3 3.49 4.00
3.25 YES
L0001458 0 0.23790E-07 480737.7 3771385.9 373.3 3.49 4.00
3.25 YES
L0001459 0 0.23790E-07 480737.8 3771394.5 373.3 3.49 4.00
3.25 YES
L0001460 0 0.23790E-07 480737.9 3771403.1 373.3 3.49 4.00
3.25 YES
L0001461 0 0.23790E-07 480738.1 3771411.7 373.3 3.49 4.00
3.25 YES
L0001462 0 0.23790E-07 480738.2 3771420.2 373.3 3.49 4.00
3.25 YES
L0001463 0 0.23790E-07 480738.3 3771428.8 373.3 3.49 4.00
3.25 YES
L0001464 0 0.23790E-07 480738.4 3771437.4 373.3 3.49 4.00
3.25 YES
L0001465 0 0.23790E-07 480738.5 3771446.0 373.3 3.49 4.00
3.25 YES
L0001466 0 0.23790E-07 480738.7 3771454.6 373.3 3.49 4.00
3.25 YES
L0001467 0 0.23790E-07 480738.8 3771463.2 373.3 3.49 4.00
3.25 YES
L0001468 0 0.23790E-07 480738.9 3771471.8 373.3 3.49 4.00
3.25 YES
L0001469 0 0.23790E-07 480739.0 3771480.4 373.3 3.49 4.00
3.25 YES
L0001470 0 0.23790E-07 480739.2 3771489.0 373.3 3.49 4.00
3.25 YES
L0001471 0 0.23790E-07 480739.3 3771497.5 373.3 3.49 4.00
3.25 YES
L0001472 0 0.23790E-07 480739.4 3771506.1 373.2 3.49 4.00
3.25 YES
L0001473 0 0.23790E-07 480739.5 3771514.7 373.1 3.49 4.00
3.25 YES
L0001474 0 0.23790E-07 480739.7 3771523.3 373.0 3.49 4.00
3.25 YES
L0001475 0 0.23790E-07 480739.8 3771531.9 373.0 3.49 4.00
3.25 YES
L0001476 0 0.23790E-07 480739.9 3771540.5 373.0 3.49 4.00

3.25   YES
 L0001477   0   0.23790E-07 480740.0 3771549.1   373.0   3.49   4.00
3.25   YES
 L0001478   0   0.23790E-07 480740.1 3771557.7   373.0   3.49   4.00
3.25   YES
 L0001479   0   0.23790E-07 480740.3 3771566.3   373.0   3.49   4.00
3.25   YES
 L0001480   0   0.23790E-07 480740.4 3771574.8   373.0   3.49   4.00
3.25   YES
 L0001481   0   0.23790E-07 480741.9 3771582.0   373.0   3.49   4.00
3.25   YES
 L0001482   0   0.23790E-07 480750.5 3771581.8   373.0   3.49   4.00
3.25   YES
 L0001483   0   0.23790E-07 480759.1 3771581.7   373.0   3.49   4.00
3.25   YES
 L0001484   0   0.23790E-07 480767.7 3771581.6   373.3   3.49   4.00
3.25   YES
 L0001485   0   0.23790E-07 480776.3 3771581.4   373.6   3.49   4.00
3.25   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 L0001486   0   0.23790E-07 480784.9 3771581.3   373.8   3.49   4.00
3.25   YES
 L0001487   0   0.23790E-07 480793.5 3771581.1   374.0   3.49   4.00
3.25   YES
 L0001488   0   0.23790E-07 480802.1 3771581.0   374.0   3.49   4.00
3.25   YES
 L0001489   0   0.23790E-07 480810.7 3771580.9   374.0   3.49   4.00
3.25   YES
 L0001490   0   0.23790E-07 480819.2 3771580.7   374.0   3.49   4.00
3.25   YES
 L0001491   0   0.23790E-07 480827.8 3771580.6   374.0   3.49   4.00

3.25 YES
L0001492 0 0.23790E-07 480836.4 3771580.4 374.0 3.49 4.00
3.25 YES
L0001493 0 0.23790E-07 480845.0 3771580.3 374.0 3.49 4.00
3.25 YES
L0001494 0 0.23790E-07 480853.6 3771580.2 374.1 3.49 4.00
3.25 YES
L0001495 0 0.23790E-07 480862.2 3771580.0 374.4 3.49 4.00
3.25 YES
L0001496 0 0.23790E-07 480870.8 3771579.9 374.7 3.49 4.00
3.25 YES
L0001497 0 0.23790E-07 480879.4 3771579.8 375.0 3.49 4.00
3.25 YES
L0001498 0 0.23790E-07 480888.0 3771579.6 375.0 3.49 4.00
3.25 YES
L0001499 0 0.23790E-07 480896.5 3771579.5 375.0 3.49 4.00
3.25 YES
L0001500 0 0.23790E-07 480905.1 3771579.3 375.0 3.49 4.00
3.25 YES
L0001501 0 0.23790E-07 480913.7 3771579.2 375.1 3.49 4.00
3.25 YES
L0001502 0 0.23790E-07 480922.3 3771579.1 375.4 3.49 4.00
3.25 YES
L0001503 0 0.23790E-07 480930.9 3771578.9 375.7 3.49 4.00
3.25 YES
L0001504 0 0.23790E-07 480939.5 3771578.8 376.0 3.49 4.00
3.25 YES
L0001505 0 0.23790E-07 480948.1 3771578.6 376.0 3.49 4.00
3.25 YES
L0001506 0 0.23790E-07 480956.7 3771578.5 376.0 3.49 4.00
3.25 YES
L0001507 0 0.23790E-07 480965.3 3771578.4 376.0 3.49 4.00
3.25 YES
L0001508 0 0.23790E-07 480973.8 3771578.2 376.0 3.49 4.00
3.25 YES
L0001509 0 0.23790E-07 480982.4 3771578.1 376.0 3.49 4.00
3.25 YES
L0001510 0 0.23790E-07 480991.0 3771578.0 376.0 3.49 4.00
3.25 YES
L0001511 0 0.23790E-07 480999.6 3771577.6 376.0 3.49 4.00
3.25 YES
L0001512 0 0.23790E-07 481005.9 3771575.7 376.2 3.49 4.00
3.25 YES
L0001513 0 0.26230E-08 480745.6 3771581.1 373.0 3.49 4.00
3.25 YES
L0001514 0 0.26230E-08 480754.2 3771581.0 373.0 3.49 4.00
3.25 YES
L0001515 0 0.26230E-08 480762.8 3771580.8 373.1 3.49 4.00
3.25 YES
L0001516 0 0.26230E-08 480771.4 3771580.7 373.4 3.49 4.00

3.25 YES
L0001517 0 0.26230E-08 480780.0 3771580.6 373.7 3.49 4.00
3.25 YES
L0001518 0 0.26230E-08 480788.6 3771580.4 374.0 3.49 4.00
3.25 YES
L0001519 0 0.26230E-08 480797.2 3771580.3 374.0 3.49 4.00
3.25 YES
L0001520 0 0.26230E-08 480805.7 3771580.2 374.0 3.49 4.00
3.25 YES
L0001521 0 0.26230E-08 480814.3 3771580.0 374.0 3.49 4.00
3.25 YES
L0001522 0 0.26230E-08 480822.9 3771579.9 374.0 3.49 4.00
3.25 YES
L0001523 0 0.26230E-08 480831.5 3771579.8 374.0 3.49 4.00
3.25 YES
L0001524 0 0.26230E-08 480840.1 3771579.6 374.0 3.49 4.00
3.25 YES
L0001525 0 0.26230E-08 480848.7 3771579.5 374.0 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 BY	EMISSION RATE SCALAR VARY
L0001526	0	0.26230E-08	480857.3	3771579.4	374.2	3.49	4.00	3.25	YES	
L0001527	0	0.26230E-08	480865.9	3771579.2	374.5	3.49	4.00	3.25	YES	
L0001528	0	0.26230E-08	480874.5	3771579.1	374.8	3.49	4.00	3.25	YES	
L0001529	0	0.26230E-08	480883.0	3771579.0	375.0	3.49	4.00	3.25	YES	
L0001530	0	0.26230E-08	480891.6	3771578.8	375.0	3.49	4.00	3.25	YES	
L0001531	0	0.26230E-08	480900.2	3771578.7	375.0	3.49	4.00			

3.25 YES
L0001532 0 0.26230E-08 480908.8 3771578.6 375.0 3.49 4.00
3.25 YES
L0001533 0 0.26230E-08 480917.4 3771578.4 375.2 3.49 4.00
3.25 YES
L0001534 0 0.26230E-08 480926.0 3771578.3 375.5 3.49 4.00
3.25 YES
L0001535 0 0.26230E-08 480934.6 3771578.2 375.8 3.49 4.00
3.25 YES
L0001536 0 0.26230E-08 480943.2 3771578.0 376.0 3.49 4.00
3.25 YES
L0001537 0 0.26230E-08 480951.8 3771577.9 376.0 3.49 4.00
3.25 YES
L0001538 0 0.26230E-08 480960.3 3771577.8 376.0 3.49 4.00
3.25 YES
L0001539 0 0.26230E-08 480968.9 3771577.6 376.0 3.49 4.00
3.25 YES
L0001540 0 0.26230E-08 480977.5 3771577.5 376.0 3.49 4.00
3.25 YES
L0001541 0 0.26230E-08 480986.1 3771577.4 376.0 3.49 4.00
3.25 YES
L0001542 0 0.26230E-08 480994.7 3771577.2 376.0 3.49 4.00
3.25 YES
L0001543 0 0.26230E-08 481003.3 3771577.1 376.1 3.49 4.00
3.25 YES
L0001544 0 0.26630E-08 480738.1 3771260.8 374.0 3.49 4.00
3.25 YES
L0001545 0 0.26630E-08 480738.2 3771269.4 374.0 3.49 4.00
3.25 YES
L0001546 0 0.26630E-08 480738.2 3771278.0 374.0 3.49 4.00
3.25 YES
L0001547 0 0.26630E-08 480738.3 3771286.6 374.0 3.49 4.00
3.25 YES
L0001548 0 0.26630E-08 480738.4 3771295.2 374.0 3.49 4.00
3.25 YES
L0001549 0 0.26630E-08 480738.5 3771303.8 374.0 3.49 4.00
3.25 YES
L0001550 0 0.26630E-08 480738.6 3771312.4 374.0 3.49 4.00
3.25 YES
L0001551 0 0.26630E-08 480738.7 3771321.0 374.0 3.49 4.00
3.25 YES
L0001552 0 0.26630E-08 480738.8 3771329.5 374.0 3.49 4.00
3.25 YES
L0001553 0 0.26630E-08 480738.9 3771338.1 374.0 3.49 4.00
3.25 YES
L0001554 0 0.26630E-08 480739.0 3771346.7 374.0 3.49 4.00
3.25 YES
L0001555 0 0.26630E-08 480739.0 3771355.3 373.8 3.49 4.00
3.25 YES
L0001556 0 0.26630E-08 480739.1 3771363.9 373.6 3.49 4.00

3.25 YES
L0001557 0 0.26630E-08 480739.2 3771372.5 373.4 3.49 4.00
3.25 YES
L0001558 0 0.26630E-08 480739.3 3771381.1 373.3 3.49 4.00
3.25 YES
L0001559 0 0.26630E-08 480739.4 3771389.7 373.3 3.49 4.00
3.25 YES
L0001560 0 0.26630E-08 480739.5 3771398.3 373.3 3.49 4.00
3.25 YES
L0001561 0 0.26630E-08 480739.6 3771406.9 373.3 3.49 4.00
3.25 YES
L0001562 0 0.26630E-08 480739.7 3771415.4 373.3 3.49 4.00
3.25 YES
L0001563 0 0.26630E-08 480739.7 3771424.0 373.3 3.49 4.00
3.25 YES
L0001564 0 0.26630E-08 480739.8 3771432.6 373.3 3.49 4.00
3.25 YES
L0001565 0 0.26630E-08 480739.9 3771441.2 373.3 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 BY	EMISSION RATE SCALAR VARY
L0001566	0	0.26630E-08	480740.0	3771449.8	373.3	3.49	4.00	3.25	YES	
L0001567	0	0.26630E-08	480740.1	3771458.4	373.3	3.49	4.00	3.25	YES	
L0001568	0	0.26630E-08	480740.2	3771467.0	373.3	3.49	4.00	3.25	YES	
L0001569	0	0.26630E-08	480740.3	3771475.6	373.4	3.49	4.00	3.25	YES	
L0001570	0	0.26630E-08	480740.4	3771484.2	373.4	3.49	4.00	3.25	YES	
L0001571	0	0.26630E-08	480740.5	3771492.8	373.4	3.49	4.00			

3.25   YES
 L0001572   0   0.26630E-08 480740.5 3771501.3   373.3   3.49   4.00
3.25   YES
 L0001573   0   0.26630E-08 480740.6 3771509.9   373.2   3.49   4.00
3.25   YES
 L0001574   0   0.26630E-08 480740.7 3771518.5   373.1   3.49   4.00
3.25   YES
 L0001575   0   0.26630E-08 480740.8 3771527.1   373.0   3.49   4.00
3.25   YES
 L0001576   0   0.26630E-08 480740.9 3771535.7   373.0   3.49   4.00
3.25   YES
 L0001577   0   0.26630E-08 480741.0 3771544.3   373.0   3.49   4.00
3.25   YES
 L0001578   0   0.26630E-08 480741.1 3771552.9   373.0   3.49   4.00
3.25   YES
 L0001579   0   0.26630E-08 480741.2 3771561.5   373.0   3.49   4.00
3.25   YES
 L0001580   0   0.26630E-08 480741.2 3771570.1   373.0   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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  ALL   L0000846   , L0000847   , L0000848   , L0000849   , L0000850   ,
L0000851   , L0000852   , L0000853   ,

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L0000859   , L0000860   , L0000861   ,

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L0000867   , L0000868   , L0000869   ,

             L0000870   , L0000871   , L0000872   , L0000873   , L0000874   ,
L0000875   , L0000876   , L0000877   ,

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L0000883   , L0000884   , L0000885   ,

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             L0000886    , L0000887    , L0000888    , L0000889    , L0000890    ,
L0000891    , L0000892    , L0000893    ,

             L0000894    , L0000895    , L0000896    , L0000897    , L0000898    ,
L0000899    , L0000900    , L0000901    ,

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L0000907    , L0000908    , L0000909    ,

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L0000915    , L0000916    , L0000917    ,

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L0000923    , L0000924    , L0000925    ,

             L0000926    , L0000927    , L0000928    , L0000929    , L0000930    ,
L0000931    , L0000932    , L0000933    ,

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L0000939    , L0000940    , L0000941    ,

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L0000947    , L0000948    , L0000949    ,

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L0000963    , L0000964    , L0000965    ,

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L0000971    , L0000972    , L0000973    ,

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L0000987    , L0000988    , L0000989    ,

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L0000995    , L0000996    , L0000997    ,

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L0001003    , L0001004    , L0001005    ,
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
	L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
	L0001022 , L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
	L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
	L0001038 , L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,
	L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
	L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
	L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
	L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , L0001077 ,
	L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084 , L0001085 ,
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	L0001094 , L0001095 , L0001096 , L0001097 , L0001098 , L0001099 , L0001100 , L0001101 ,
	L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 ,
	L0001110 , L0001111 , L0001112 , L0001113 , L0001114 ,

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L0001131   , L0001132   , L0001133   ,

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L0001139   , L0001140   , L0001141   ,

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L0001147   , L0001148   , L0001149   ,

             L0001150   , L0001151   , L0001152   , L0001153   , L0001154   ,
L0001155   , L0001156   , L0001157   ,

             L0001158   , L0001159   , L0001160   , L0001161   , L0001162   ,
L0001163   , L0001164   , L0001165   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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L0001171   , L0001172   , L0001173   ,

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L0001203   , L0001204   , L0001205   ,

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L0001323    , L0001324    , L0001325    ,
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs
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L0001326 , L0001327 , L0001328 , L0001329 , L0001330 ,
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L0001483   , L0001484   , L0001485   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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♠ *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                   ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:27:29

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                  SOURCE IDs
  --------   ---------                                  ----------


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L0000867    , L0000868    , L0000869    ,

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L0000891    , L0000892    , L0000893    ,

             L0000894    , L0000895    , L0000896    , L0000897    , L0000898    ,
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L0000947    , L0000948    , L0000949    ,

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L0000971    , L0000972    , L0000973    ,

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L0000979    , L0000980    , L0000981    ,

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L0000995    , L0000996    , L0000997    ,

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L0001003    , L0001004    , L0001005    ,
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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		L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
		L0001022 , L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
		L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
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		L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
		L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , L0001077 ,
		L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084 , L0001085 ,
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		L0001094 , L0001095 , L0001096 , L0001097 , L0001098 , L0001099 , L0001100 , L0001101 ,
		L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 ,

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

URBAN ID	URBAN POP	SOURCE IDs

L0001166 , L0001167 , L0001168 , L0001169 , L0001170 ,
L0001171 , L0001172 , L0001173 ,

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L0001195 , L0001196 , L0001197 ,

L0001198 , L0001199 , L0001200 , L0001201 , L0001202 ,

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 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , L0001333 ,
		L0001334 , L0001335 , L0001336 , L0001337 , L0001338 , L0001339 , L0001340 , L0001341 ,
		L0001342 , L0001343 , L0001344 , L0001345 , L0001346 , L0001347 , L0001348 , L0001349 ,
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		L0001382 , L0001383 , L0001384 , L0001385 , L0001386 , L0001387 , L0001388 , L0001389 ,
		L0001390 , L0001391 , L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 ,
		L0001398 , L0001399 , L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 ,
		L0001406 , L0001407 , L0001408 , L0001409 , L0001410 , L0001411 , L0001412 , L0001413 ,
		L0001414 , L0001415 , L0001416 , L0001417 , L0001418 , L0001419 , L0001420 , L0001421 ,
		L0001422 , L0001423 , L0001424 , L0001425 , L0001426 , L0001427 , L0001428 , L0001429 ,

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L0001483    , L0001484    , L0001485    ,
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29

                                   PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                  SOURCE IDs
  --------   ---------                                  ----------


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L0001579    , L0001580    ,
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

     ( 480802.8, 3771634.9,     373.4,     373.4,       0.0);         ( 481063.9,
3771623.7,     377.0,     377.0,       0.0);
     ( 481770.7, 3771329.2,     390.0,     390.0,       0.0);         ( 482393.7,
3771332.4,     399.7,     399.7,       0.0);
     ( 481057.7, 3771289.8,     379.0,     379.0,       0.0);         ( 481090.8,
3771171.4,     380.0,     380.0,       0.0);
     ( 480863.6, 3771153.5,     376.0,     376.0,       0.0);         ( 480681.9,
3771120.5,     373.0,     373.0,       0.0);
     ( 480690.4, 3770745.4,     373.0,     373.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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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,

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

Surface file: RDLD_V9_ADJU\RDLD_v9.SFC
Met Version: 16216
Profile file: RDLD_V9_ADJU\RDLD_v9.PFL

Surface format: FREE

Profile format: FREE

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

Year: 2012 Year: 2012

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
12	01	01	1	01	-10.6	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	110.	9.1	285.4	5.5
12	01	01	1	02	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	130.	9.1	284.5	5.5
12	01	01	1	03	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	100.	9.1	285.0	5.5
12	01	01	1	04	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	107.	9.1	284.6	5.5
12	01	01	1	05	-10.7	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	98.	9.1	284.9	5.5
12	01	01	1	06	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	86.	9.1	284.5	5.5
12	01	01	1	07	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	91.	9.1	284.0	5.5
12	01	01	1	08	-4.0	0.102	-9.000	-9.000	-999.	78.	22.9	0.32	3.22	0.54	0.90	107.	9.1	285.0	5.5
12	01	01	1	09	44.6	0.237	0.382	0.006	43.	276.	-25.6	0.15	3.22	0.33	2.10	81.	10.1	289.1	5.5
12	01	01	1	10	134.3	0.111	0.882	0.008	176.	99.	-1.0	0.32	3.22	0.26	0.40	72.	9.1	295.1	5.5
12	01	01	1	11	199.8	0.409	1.429	0.005	503.	627.	-29.4	0.15	3.22	0.23	3.68	78.	10.1	297.9	5.5
12	01	01	1	12	232.3	0.300	1.889	0.005	999.	402.	-10.0	0.32	3.22	0.22	1.80	333.	9.1	299.4	5.5
12	01	01	1	13	230.0	0.300	2.134	0.005	1453.	394.	-10.1	0.32	3.22	0.22	1.80	72.	9.1	300.4	5.5
12	01	01	1	14	194.0	0.294	2.109	0.005	1663.	382.	-11.2	0.32	3.22	0.24	1.80	277.	9.1	301.0	5.5
12	01	01	1	15	126.3	0.378	1.872	0.005	1784.	557.	-36.5	0.32	3.22	0.27	2.70	243.	9.1	301.0	5.5
12	01	01	1	16	39.5	0.199	1.278	0.005	1817.	240.	-17.2	0.32	3.22	0.36	1.30	274.	9.1	300.1	5.5
12	01	01	1	17	-4.7	0.101	-9.000	-9.000	-999.	85.	19.0	0.32	3.22	0.65	0.90	252.	9.1	298.2	5.5
12	01	01	1	18	-4.9	0.102	-9.000	-9.000	-999.	78.	18.2	0.32	3.22	1.00	0.90	116.	9.1	296.4	5.5
12	01	01	1	19	-18.8	0.204	-9.000	-9.000	-999.	220.	45.6	0.15	3.22	1.00	2.27	79.	10.1	292.2	5.5

```
 12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22
1.00    0.90   95.    9.1  290.2    5.5
 12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22
1.00    0.90   99.    9.1  287.8    5.5
 12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22
1.00    0.90  110.    9.1  287.6    5.5
 12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22
1.00    1.30   89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22
1.00    0.90  105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29

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

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000846    , L0000847
 , L0000848    , L0000849    , L0000850    ,
                   L0000851    , L0000852    , L0000853    , L0000854    , L0000855
 , L0000856    , L0000857    , L0000858    ,
                   L0000859    , L0000860    , L0000861    , L0000862    , L0000863
 , L0000864    , L0000865    , L0000866    ,
                   L0000867    , L0000868    , L0000869    , L0000870    , L0000871
 , L0000872    , L0000873    ,  . . .      ,

                                                *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         480802.75    3771634.87        0.00057                       481063.86
3771623.72        0.00045
         481770.74    3771329.19        0.00011                       482393.69
```

3771332.45   0.00005
         481057.73   3771289.81   0.00108   481090.77
3771171.43   0.00050
         480863.64   3771153.54   0.00102   480681.94
3771120.50   0.00078
         480690.42   3770745.40   0.00050

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                  *** 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   0.00108 AT (481057.73, 3771289.81,
379.00,   379.00,   0.00) DC
          2ND HIGHEST VALUE IS   0.00102 AT (480863.64, 3771153.54,
376.00,   376.00,   0.00) DC
          3RD HIGHEST VALUE IS   0.00078 AT (480681.94, 3771120.50,
373.00,   373.00,   0.00) DC
          4TH HIGHEST VALUE IS   0.00057 AT (480802.75, 3771634.87,
373.43,   373.43,   0.00) DC
          5TH HIGHEST VALUE IS   0.00050 AT (481090.77, 3771171.43,
380.00,   380.00,   0.00) DC
          6TH HIGHEST VALUE IS   0.00050 AT (480690.42, 3770745.40,
373.02,   373.02,   0.00) DC
          7TH HIGHEST VALUE IS   0.00045 AT (481063.86, 3771623.72,
377.00,   377.00,   0.00) DC
          8TH HIGHEST VALUE IS   0.00011 AT (481770.74, 3771329.19,
390.00,   390.00,   0.00) DC
          9TH HIGHEST VALUE IS   0.00005 AT (482393.69, 3771332.45,
399.71,   399.71,   0.00) DC
         10TH HIGHEST VALUE IS   0.00000 AT (0.00,   0.00,
0.00,   0.00,   0.00)

```
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** Z:\Shared\UcAir\AERMOD View\13283
HRA\13283 HRA.isc                  ***        01/07/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:27:29

                                   PAGE  36
 *** 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            2 Warning Message(s)
 A Total of          388 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          191 Calm Hours Identified

 A Total of          197 Missing Hours Identified (  0.45 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    1793       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    1793       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

AVERAGE EMISSION FACTOR
SAN BERNARDINO COUNTY 2022

Speed	LHD1	MHD	HHD
0	0.356236	0.114036	0.01588
5	0.031861	0.052929	0.04181
25	0.011555	0.026796	0.01757

Speed	Weighted Average Emissions
0	**0.09641**
5	**0.04250**
25	**0.01853**

Emission Rates - 2022 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling West Side of Building	23			0.0964	0.55	6.416E-06
On-Site Idling East Side of Building	23			0.0964	0.55	6.416E-06
On-Site Travel West Side of Building	46	8.39	0.0425		0.36	4.129E-06
On-Site Travel East Side of Building	46	9.68	0.0425		0.41	4.763E-06
Off-Site Travel 90% Inbound/Outbound SR-210	83	61.59	0.0185		1.14	1.321E-05
Off-Site Travel 5% Inbound/Outbound on Alabama St. South of Project	5	2.43	0.0185		0.04	5.204E-07
Off-Site Travel 5% Inbound/Outbound on Alabama St. North of Project	5	1.81	0.0185		0.03	3.879E-07
Off-Site Travel 40% Inbound Dwy. 4	18	3.17	0.0185		0.06	6.793E-07
Off-Site Travel 50% Outbound Dwy. 4	23	3.96	0.0185		0.07	8.491E-07
Off-Site Travel 50% Inbound Dwy. 1	23	1.24	0.0185		0.02	2.651E-07
Off-Site Travel 5% Inbound Dwy. 3	2	0.96	0.0185		0.02	2.062E-07
Off-Site Travel 45% Outbound Dwy. 3	21	8.65	0.0185		0.16	1.856E-06
Off-Site Travel 5% Inbound Dwy. 3	2	0.38	0.0185		0.01	8.132E-08
Off-Site Travel 5% Outbound Dwy. 1	2	0.46	0.0185		0.01	9.852E-08

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

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

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

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2022	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	5	PM10	0.045082
2022	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	25	PM10	0.018946
2022	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.070615
2022	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.02561
2022	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	5	PM10	0.05814
2022	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	25	PM10	0.029434
2022	Annual	San Bernar	HHDT	Dsl			IDLEX		PM10	0.017119
2022	Annual	San Bernar	LHDT1	Dsl			IDLEX		PM10	0.789532
2022	Annual	San Bernar	MHDT	Dsl			IDLEX		PM10	0.125262

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO COUNTY
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
San Berna	2022	HHDT	Aggregate	Aggregate	Gasoline	5.738391
San Berna	2022	HHDT	Aggregate	Aggregate	Diesel	14883.97
San Berna	2022	HHDT	Aggregate	Aggregate	Natural Ga	1157.768
San Berna	2022	LHDT1	Aggregate	Aggregate	Gasoline	14369.53
San Berna	2022	LHDT1	Aggregate	Aggregate	Diesel	11813.96
San Berna	2022	MHDT	Aggregate	Aggregate	Gasoline	1426.666
San Berna	2022	MHDT	Aggregate	Aggregate	Diesel	14492.29

HHDT% GAS/NG	0.072504
HHDT% DSL	0.927496
LHDT1% GAS	0.548801
LHDT1% DSL	0.451199
MHDT% GAS	0.089621
MHDT% DSL	0.910379

APPENDIX 2.2:

RISK CALCULATIONS

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00005	5.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.7E-08	5.5E-10	5.0E+00	1.4E-03	1.0E-05							
TOTAL								5.5E-10			1.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00005	5.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.2E-08	1.3E-08	5.0E+00	1.4E-03	1.0E-05							
TOTAL								1.3E-08			1.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00005	5.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.7E-08	1.2E-08	5.0E+00	1.4E-03	1.0E-05							
TOTAL								1.2E-08			1.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00005	5.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.3E-08	1.9E-09	5.0E+00	1.4E-03	1.0E-05							
TOTAL								1.9E-09			1.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
								0.00										

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 0.03

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

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.08E-03	1.08E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.7E-07	6.4E-08	5.0E+00	1.4E-03	2.2E-04							
	TOTAL								7.4E-08			2.5E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.07										

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	5.00E-04	5.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-07	5.7E-08	5.0E+00	1.4E-03	1.0E-04							
	TOTAL								5.7E-08			1.0E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.06										

** 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