Appendix C

Mobile Source Health Risk Assessment (March 2024)

Green Valley Specific Plan (Case Road Mixed-Use Development)

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF PERRIS

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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
ASF	Age Sensitivity Factor
AQMD	Air Quality Management District
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
FAH	Fraction of Time at Home
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	Particulate Matter 10 microns in diameter or less
Project	Green Valley Specific Plan (Case Road Mixed-Use Development)
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors and adjacent workers associated with the development of the Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

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

CONSTRUCTION IMPACTS

While construction of the proposed Project would result in TAC emissions, construction impacts have been analyzed in the certified Specific Plan Environmental Impact Report (EIR). TAC emissions would occur during construction of the uses assumed in the adopted Specific Plan as well as the uses proposed as part of the Project, both of which would result in similar land disturbance, length of construction and equipment used. However, the Project emissions would not substantively differ from those previously analyzed, and thus would not result in any new or substantially more severe impacts than were previously disclosed in the EIR. As such, this analysis evaluates the potential risk associated with operation of the proposed Project only.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which represents a proposed future residence located approximately 45 feet west of the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.23 in one million, which is less than the South Coast Air Quality Management District (SCAQMD) 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. Location R4 is the nearest receptor to the Project site, and due to its proximity as well as meteorological conditions in the vicinity of the Project site it would experience the highest concentrations of DPM, and thus the highest risk. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-C.

Worker Exposure Scenario[1]*:*

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R5, which represents the potential worker receptor located approximately 173 feet north of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.12 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 analyzed 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 modeled receptors are illustrated on Exhibit 2-C.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a particular source (1).

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

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

The nearest school is Romoland Elementary School, which is located approximately 5,600 feet east of the Project site. Because there are no schools located within a ¼ mile of the Project site and because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

1 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.

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	1.23	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor (Location R5)	0.12	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	<0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor (Location R5)	<0.01	1.0	NO

1 INTRODUCTION

This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index of 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 proposed Project is located within the Green Valley Specific Plan, which is located north of Ethanac Road, east of Green Valley Parkway, south of Watson Road, and west of Interstate 215 in the City of Perris as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The City of Perris approved the Green Valley Specific Plan (Specific Plan) and certified the associated Green Valley Specific Plan Environmental Impact Report (EIR) in March 1990. The Approved Specific Plan as evaluated in the 1990 Specific Plan EIR allows up to the following within Planning Areas (PAs) 40 through 44:

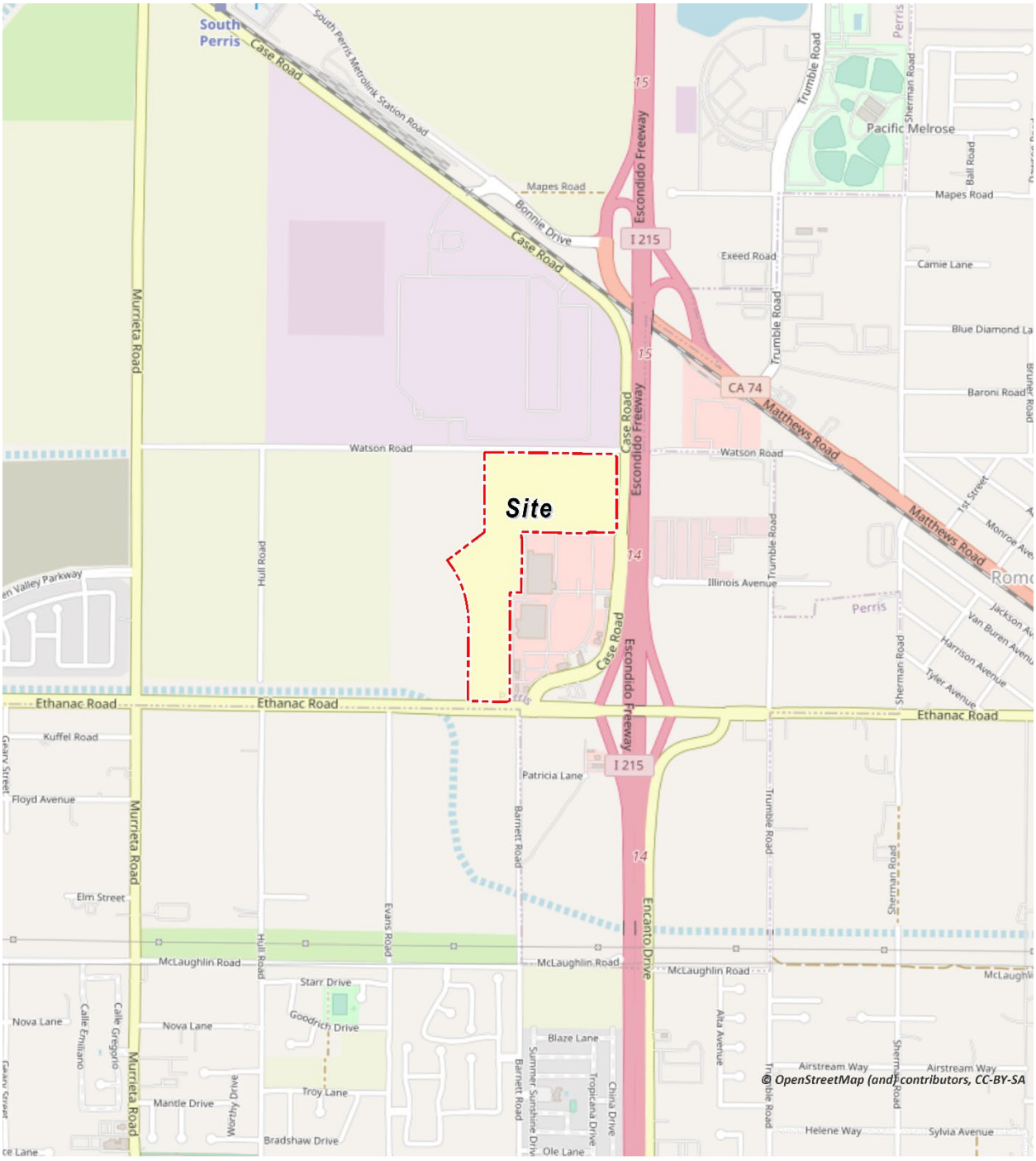
- 564,000 square feet of business park use (PAs 40 and 41)
- 471,500 square feet of general commercial use of which 319,000 square feet of commercial retail use has already been developed on the northwest corner of Case Road and Ethanac Road (PAs 42, 43 and 44).

The Project proposes to implement the following uses within PAs 40 through 44 as follows:

- 498,000 square feet of industrial use
- 116,000 square feet of self-storage use (14,600-square-foot one-story building in the northern portion of the parcel and a 63,400-square-foot two-story building within the central portion of the parcel and an approximately 38,000-square-foot two-story building within the southern portion of the parcel) plus partially-covered recreational vehicle (RV) and/or trailer parking with up to 215 parking stalls.
- 27,200 square feet of general commercial use (21,600-square-foot building for retail and restaurants and two 2,800-square-foot fast-food with drive-through restaurant pads)
- 80,000-square-foot, 4-story hotel (128-keys)

The purpose of this HRA is to evaluate the potential health risk impacts of DPM emissions that would result from the 498,000 square feet of industrial use, which would be developed as high-cube fulfillment center (sort facility) warehouse use. A preliminary site plan for the proposed Project is shown on Exhibit 1-B.

EXHIBIT 1-A: LOCATION MAP

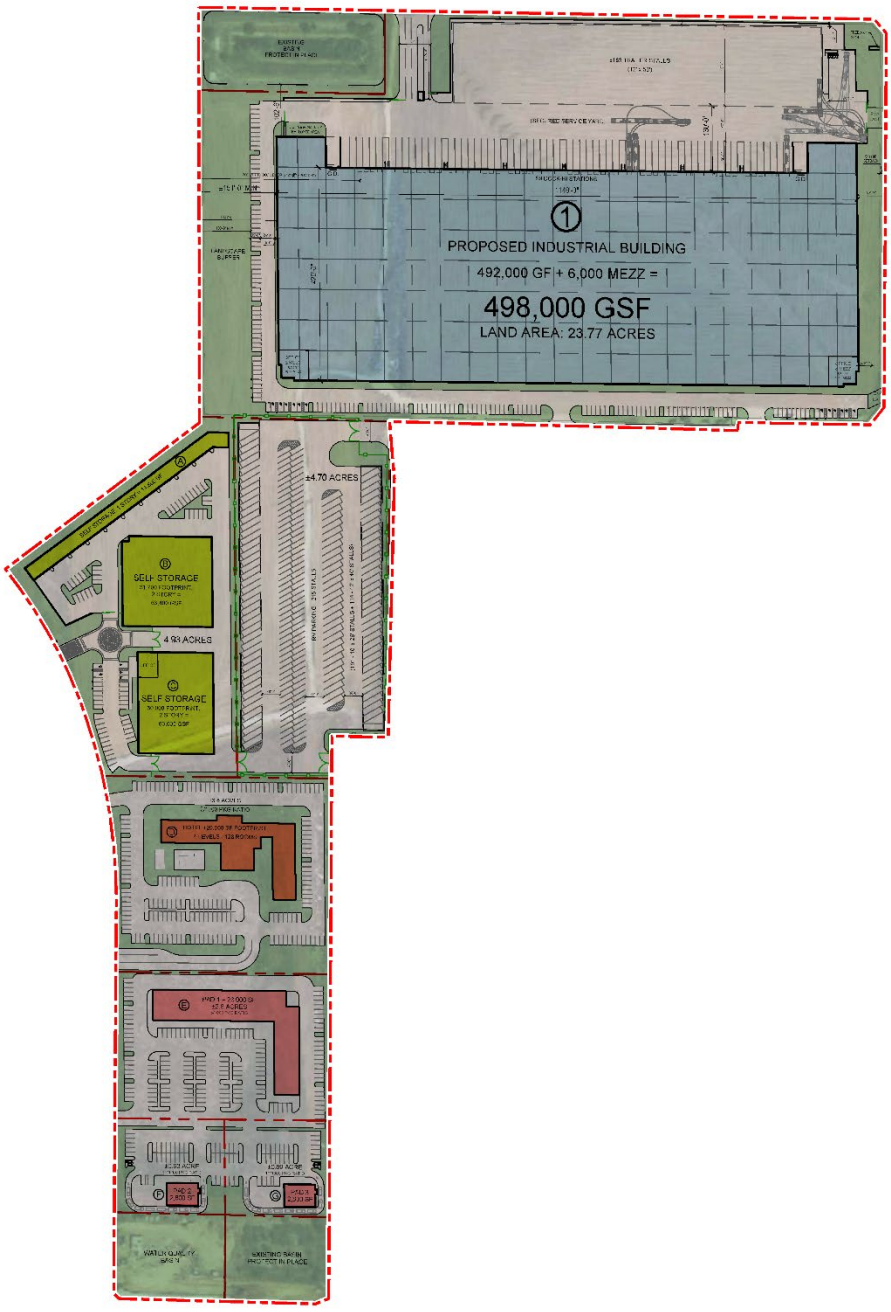


LEGEND:

N

Site Boundary

EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

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

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per $\mu g/m^3$ is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body.
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[2] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 OPERATIONAL HEALTH RISK ASSESSMENT

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 2021 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2021 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 CARB to project changes in future emissions from on-road mobile sources (4). The most recent version of this model, EMFAC 2021, 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 2021. Emission factors calculated using EMFAC 2021 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 2021 in EMFAC Mode for vehicles in the Riverside 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 vehicle speed.

[2] Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

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.

It is expected that minimal idling would occur at nearby intersections during truck travel on study area roadways (e.g., at an intersection during a red light, or yielding to make a turn). Notwithstanding, the analysis conservatively utilizes a reduced off-site average speed of 25 miles per hour (below the posted speed limit) for travel on study area roadways. Use of a lower average speed for off-site travel results in a higher emission factor and therefore any negligible idling that would occur during truck travel along the study area is accounted for.

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2026 EMFAC run was conducted and a static 2026 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2026 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 2026. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.8% diesel, Medium-Heavy-Duty Trucks are comprised of 91.9% diesel, and Heavy-Heavy-Duty Trucks are 95.0% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.1 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (5):

$$Emissions_{Speed\ A} = EF_{Run\ Exhaust} \times Distance \times \frac{Number\ of\ Trips\ per\ Day}{Seconds\ per\ Day}$$

Where:

$Emissions_{Speed\ A}$	=	Vehicle emissions at a given speed A (g/s)
$EF_{Run\ Exhaust}$	=	EMFAC running exhaust PM_{10} emission factor at speed A (g/vmt)
$Distance$	=	Total distance traveled per trip (miles)

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 (5):

$$Emissions_{Idle} = EF_{Idle} \times Number\ of\ Trips \times Idling\ Time \times \frac{60\ minutes\ per\ hour}{seconds\ per\ day}$$

Where:

$Emissions_{Idle}$	=	Vehicle emissions during Idling (g/s)
EF_{Idle}	=	EMFAC idle exhaust PM_{10} emission factor (g/s)
$Number\ of\ Trips$	=	Number of trips per day
$Idling\ Time$	=	Idling time (minutes per trip)

TABLE 2-1: 2026 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09436 (g/idle-hr)
5	0.02151 (g/mile)
25	0.00923 (g/mile)

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 2.2. 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 for on-site sources and Exhibit 2-B for off-site sources. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for more than 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 (1). 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 (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

As summarized in the *Green Valley Specific Plan (Case Road Mixed-Use Development) Trip Generation Assessment*, the proposed Project is expected to generate a total of approximately 16,880 vehicular trip-ends (actual vehicles) per day (8,440 vehicles inbound + 8,440 vehicles outbound) which includes 16,784 passenger vehicle trips (8,392 passenger vehicles inbound +

8,392 passenger vehicles outbound) and 96 two-way truck trips (48 trucks inbound per day + 48 trucks outbound) per day (7). In addition, the analysis conservatively assumes that an additional 6 two-way truck trips (3 trucks inbound + 3 trucks outbound) per day would visit the commercial portion of the Project site.

2.2.2 STATIONARY SOURCES

The proposed Project was conservatively assumed to include installation of two 300-horsepower diesel-powered emergency generators/fire pumps (one for the proposed high-cube fulfillment center building and one for the hotel building). The emergency generators/fire pumps were each estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered emergency generators/fire pumps were calculated using CalEEMod. Consistent with SCAQMD guidance, the emergency fire pumps were modeled as point sources. Because detailed engine specifications are not known at this time, release parameters (including exhaust height, diameter, temperature, and flow rate) were obtained from the *California Air Pollution Control Officers Association Air Toxic "Hot Spots" Program Facility Prioritization Guidelines* (8).

EXHIBIT 2-A: MODELED ON-SITE EMISSION SOURCES

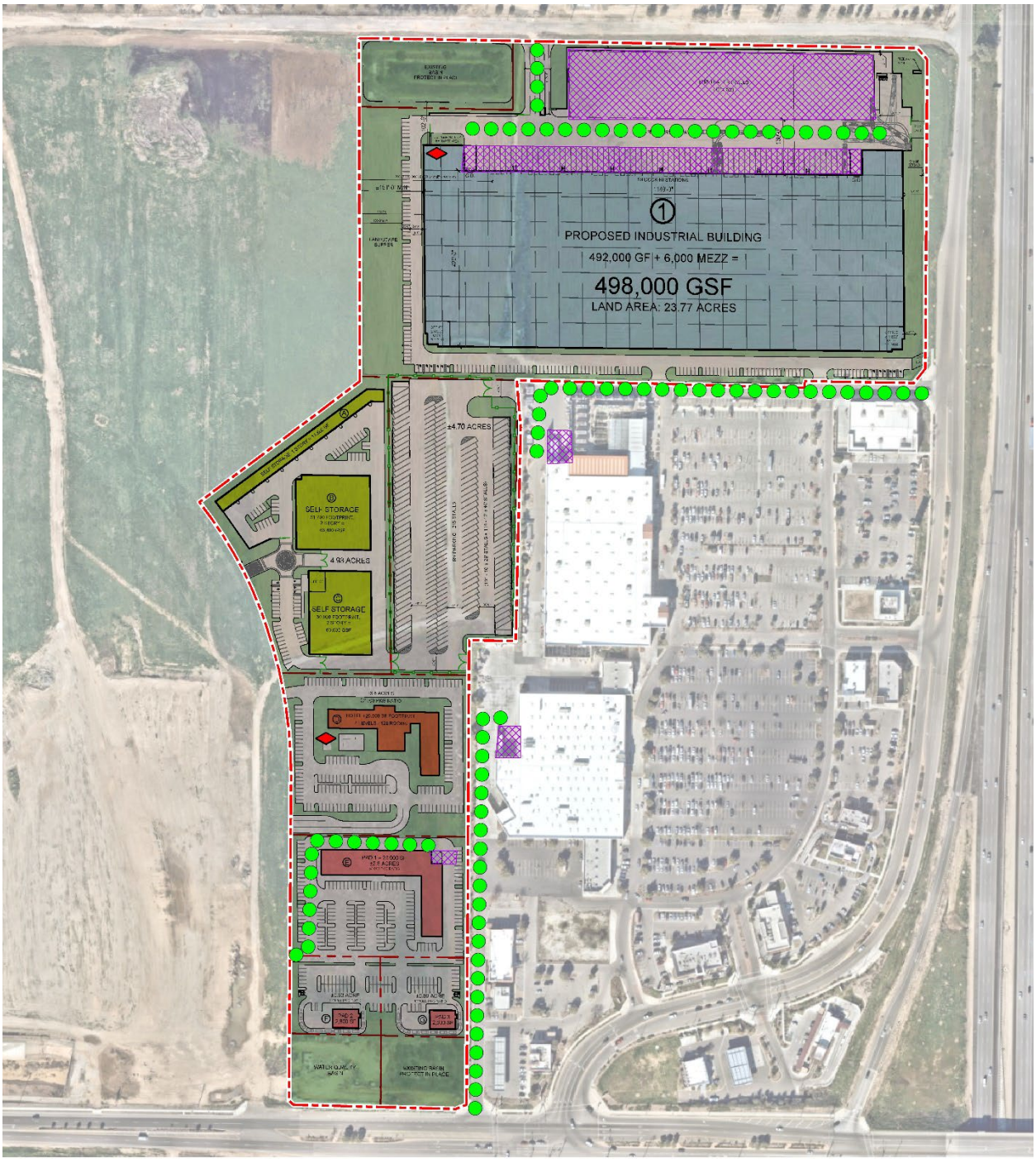

EXHIBIT 2-B: MODELED OFF-SITE EMISSION SOURCES

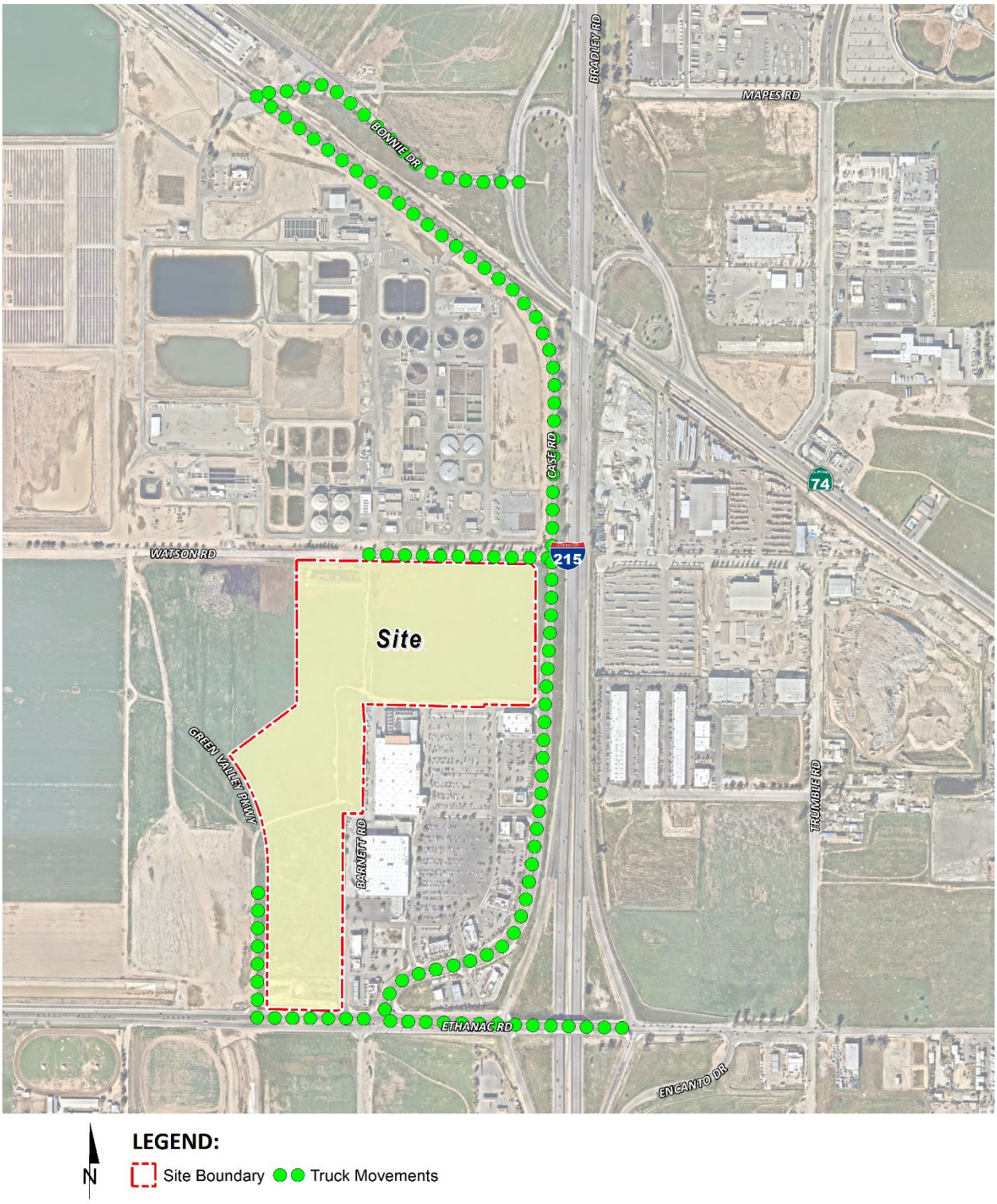

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2026 ANALYSIS YEAR)

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 [d] (g/second)
On-Site Idling - Loading Docks	48			0.0944	1.13	1.311E-05
On-Site Idling - Trailer Stalls	48			0.0944	1.13	1.311E-05
On-Site Idling - Commercial 1	1			0.0944	0.02	2.730E-07
On-Site Idling - Commercial 2	1			0.0944	0.02	2.730E-07
On-Site Idling - Commercial 3	1			0.0944	0.02	2.730E-07
On-Site Travel	96	18.83	0.0215		0.40	4.687E-06
On-Site Travel - Driveway	96	3.63	0.0215		0.08	9.029E-07
On-Site Travel - Commercial 1	2	0.38	0.0215		0.01	9.536E-08
On-Site Travel - Commercial 2	2	0.39	0.0215		0.01	9.604E-08
On-Site Travel - Commercial 3	2	0.26	0.0215		0.01	6.473E-08
Off-Site Travel - Watson Rd. 100%	96	18.29	0.0092		0.17	1.955E-06
Off-Site Travel - Case Rd. NB 50%	48	47.19	0.0092		0.44	5.043E-06
Off-Site Travel - Case Rd. SB 50%	48	41.42	0.0092		0.38	4.427E-06
Off-Site Travel - Commercial 1	2	1.40	0.0092		0.01	1.495E-07
Off-Site Travel - Commercial 2	2	0.62	0.0092		0.01	6.600E-08
Off-Site Travel - Commercial 3	2	0.98	0.0092		0.01	1.047E-07

[a] Vehicle miles traveled are for modeled truck route only and are calculated by multiplying the number of trucks per day by the segment length.

[b] Emission rates determined using EMFAC 2021. 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.

[d] Conversion to g/second assumes 86,400 seconds per day.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2). The Environmental Protection Agency's (U.S. EPA's) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 12.0.0) 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 23132 (9).

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.

Model parameters are presented in Table 2-3 (9). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station was used to represent local weather conditions and prevailing winds (10).

TABLE 2-3: AERMOD MODEL PARAMETERS

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

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project vicinity. The AERMOD dispersion model summary output files for the Project are presented in Appendix 2.2. 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) 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 and 25 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 residents and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. 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 (11).

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 and 2-5 summarize the Exposure Parameters for residents and workers based on 2015 OEHHA Guidelines. Appendix 2.3 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[a]	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	4	0.73	350	24

[a] Because there are no schools within the 1.0 in one million isopleth, a FAH value of 0.85 for -0.25 to 0 and 0 to 2 age bins and 0.72 for the 2-16 age bin was utilized consistent with OEHHA guidelines.

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

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

2.4 CARCINOGENIC CHEMICAL RISK

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 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.

$$DOSE_{AIR} = \left(C_{AIR} \times \frac{BR}{BW} \times A \times EF\right) \times (1 \times 10^{-6})$$

Where:

$DOSE_{AIR}$	=	chronic daily intake (mg/kg/day)
C_{AIR}	=	concentration of contaminant in air (µg/m^3)
$\frac{BR}{BW}$	=	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 (µg to mg, L to m^3)

$$RISK_{AIR} = DOSE_{AIR} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

Where:

$DOSE_{AIR}$	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor

ASF	=	age sensitivity factor
FAH	=	fraction of time at home
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m^3 (12).

Non-cancer health effects are expressed as a hazard index (HI), which is calculated using the following equation:

$$HI_{DPM} = \frac{C_{DPM}}{REL_{DPM}}$$

Where:

HI_{DPM}	=	Hazard index (unitless)
C_{DPM}	=	Annual average DPM concentration (µg/m^3)
REL_{DPM}	=	REL for DPM (the DPM concentration at which no adverse health effects are anticipated).

2.6 POTENTIAL PROJECT DPM-SOURCE CANCER AND NON-CANCER RISKS

CONSTRUCTION IMPACTS

While construction of the proposed Project would result in TAC emissions, construction impacts have been analyzed in the certified Specific Plan Environmental Impact Report (EIR). TAC emissions would occur during construction of the uses assumed in the adopted Specific Plan as well as the uses proposed as part of the Project, both of which would result in similar land disturbance, length of construction and equipment used. However, the Project emissions would not substantively differ from those previously analyzed, and thus would not result in any new or substantially more severe impacts than were previously disclosed in the EIR. As such, this analysis evaluates the potential risk associated with operation of the proposed Project only.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which represents a proposed future residence[3] located approximately

[3] To the extent this analysis considers impacts in relation to future receptors within the Specific Plan, it does so for informational purposes to show compliance with applicable regulations

45 feet west of the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.23 in one million, which is less than the SCAQMD 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. Location R4 is the nearest receptor to the Project site, and due to its proximity as well as meteorological conditions in the vicinity of the Project site it would experience the highest concentrations of DPM, and thus the highest risk. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-C.

Worker Exposure Scenario[4]*:*

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R5, which represents the potential worker receptor located approximately 173 feet north of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.12 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 analyzed 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 modeled receptors are illustrated on Exhibit 2-C.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a particular source (1).

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

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential impacts to nearby schools. This radius is more robust than, and

4 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.

therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

The nearest school is Romoland Elementary School, which is located approximately 5,600 feet east of the Project site. Because there are no schools located within a ¼ mile of the Project site and because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

It should be noted that the receptors presented in Exhibit 2-C do not represent all modeled receptors and are presented to represent the nearest receptors in each direction from the Project site. In order to account for potential future residential receptors to the west of the Project site, discrete receptors were placed along the Project boundary at a spacing of approximately 25 meters since locations of individual residences are not known at this time.

EXHIBIT 2-C: RECEPTOR LOCATIONS

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3 REFERENCES

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2. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
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4. **California Air Resources Board.** EMFAC 2021. [Online] https://arb.ca.gov/emfac/.
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7. **Urban Crossroads, Inc.** *Green Valley Specific Plan (Case Road Mixed Use Development) Trip Generation Assessment.* 2024.
8. **CAPCOA.** *Air Toxic "Hot Spots" Program Facility Prioritization Guidelines.* 2016.
9. **United States Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] June 2022. https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf.
10. **South Coast Air Quality Management District.** Data for AERMOD. [Online] [Cited: May 9, 2022.] https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod.
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12. **Office of Environmental Health Hazard Assessment.** Chemical Toxicity Database. [Online] https://oehha.ca.gov/chemicals.

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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 Green Valley Specific Plan (Case Road Mixed-Use Development) 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.

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Professionals
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:

EMFAC EMISSIONS SUMMARY

AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2026

Speed	LHD1	LHD2	MHD	HHD
0	0.363435	0.583122	0.042564	0.01187
5	0.043322	0.063565	0.025956	0.01166
25	0.020162	0.030795	0.00693	0.00583

Speed	**Weighted Average Emissions**
0	**0.09436**
5	**0.02151**
25	**0.00923**

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 [d] (g/second)
On-Site Idling - Loading Docks	48			0.0944	1.13	1.311E-05
On-Site Idling - Trailer Stalls	48			0.0944	1.13	1.311E-05
On-Site Idling - Commercial 1	1			0.0944	0.02	2.730E-07
On-Site Idling - Commercial 2	1			0.0944	0.02	2.730E-07
On-Site Idling - Commercial 3	1			0.0944	0.02	2.730E-07
On-Site Travel	96	18.83	0.0215		0.40	4.687E-06
On-Site Travel - Driveway	96	3.63	0.0215		0.08	9.029E-07
On-Site Travel - Commercial 1	2	0.38	0.0215		0.01	9.536E-08
On-Site Travel - Commercial 2	2	0.39	0.0215		0.01	9.604E-08
On-Site Travel - Commercial 3	2	0.26	0.0215		0.01	6.473E-08
Off-Site Travel - Watson Rd. 100%	96	18.29	0.0092		0.17	1.955E-06
Off-Site Travel - Case Rd. NB 50%	48	47.19	0.0092		0.44	5.043E-06
Off-Site Travel - Case Rd. SB 50%	48	41.42	0.0092		0.38	4.427E-06
Off-Site Travel - Commercial 1	2	1.40	0.0092		0.01	1.495E-07
Off-Site Travel - Commercial 2	2	0.62	0.0092		0.01	6.600E-08
Off-Site Travel - Commercial 3	2	0.98	0.0092		0.01	1.047E-07

[a] Vehicle miles traveled are for modeled truck route only and are calculated by multiplying the number of trucks per day by the segment length.

[b] Emission rates determined using EMFAC 2021. 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.

[d] Conversion to g/second assumes 86,400 seconds per day.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2026	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012278
2026	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006143
2026	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.012496
2026	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.094016
2026	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.043754
2026	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.788713
2026	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.086355
2026	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.041836
2026	Annual	Riverside (	LHDT2	Dsl			IDLEX		PM10	0.79219
2026	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.028258
2026	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.007545
2026	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.046341

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consu

Region	Calendar `	Vehicle Ca	Model Yea	Speed	Fuel	Population
Riverside	2026	HHDT	Aggregate	Aggregate	Gasoline	5.30171
Riverside	2026	HHDT	Aggregate	Aggregate	Diesel	15687.8
Riverside	2026	HHDT	Aggregate	Aggregate	Natural Ga	822.986
Riverside	2026	LHDT1	Aggregate	Aggregate	Gasoline	17398.3
Riverside	2026	LHDT1	Aggregate	Aggregate	Diesel	14868.3
Riverside	2026	LHDT2	Aggregate	Aggregate	Gasoline	2430.03
Riverside	2026	LHDT2	Aggregate	Aggregate	Diesel	6777.72
Riverside	2026	MHDT	Aggregate	Aggregate	Gasoline	1204.16
Riverside	2026	MHDT	Aggregate	Aggregate	Diesel	13571.6
Riverside	2026	MHDT	Aggregate	Aggregate	Natural Ga	180.813

HHDT% GAS/NG	0.05015
HHDT% DSL	0.94985
LHDT1% GAS	0.5392
LHDT1% DSL	0.4608
LHDT2% GAS	0.26391
LHDT2% DSL	0.73609
MHDT% GAS	0.0815
MHDT% DSL	0.9185

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APPENDIX 2.2:

AERMOD MODEL INPUT/OUTPUT

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 3/13/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops HRA\15360 Ops
HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "15360 Ops HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
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** LINE VOLUME Source ID = SLINE1
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** SZINIT = 3.25
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** 482333.251, 3734401.840, 433.00, 3.49, 4.00
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   LOCATION L0001538     VOLUME   482073.713 3734401.573 431.48
   LOCATION L0001539     VOLUME   482082.303 3734401.582 431.48
   LOCATION L0001540     VOLUME   482090.893 3734401.591 431.48
   LOCATION L0001541     VOLUME   482099.483 3734401.599 431.48
   LOCATION L0001542     VOLUME   482108.073 3734401.608 431.48
   LOCATION L0001543     VOLUME   482116.663 3734401.617 431.48
   LOCATION L0001544     VOLUME   482125.253 3734401.626 431.48
   LOCATION L0001545     VOLUME   482133.843 3734401.635 431.48
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   LOCATION L0001547     VOLUME   482151.023 3734401.652 431.48
   LOCATION L0001548     VOLUME   482159.613 3734401.661 431.48
   LOCATION L0001549     VOLUME   482168.203 3734401.670 431.48
   LOCATION L0001550     VOLUME   482176.793 3734401.679 431.60
   LOCATION L0001551     VOLUME   482185.383 3734401.688 431.74
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   LOCATION L0001554     VOLUME   482211.153 3734401.714 432.18
   LOCATION L0001555     VOLUME   482219.743 3734401.723 432.31
   LOCATION L0001556     VOLUME   482228.333 3734401.732 432.45
   LOCATION L0001557     VOLUME   482236.923 3734401.741 432.60
   LOCATION L0001558     VOLUME   482245.513 3734401.750 432.75
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   LOCATION L0001578     VOLUME   482267.999 3734436.463 432.50
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   LOCATION L0001587     VOLUME   482190.690 3734436.956 431.21
   LOCATION L0001588     VOLUME   482182.100 3734437.010 431.12
   LOCATION L0001589     VOLUME   482173.510 3734437.065 431.03
   LOCATION L0001590     VOLUME   482164.921 3734437.120 431.00
   LOCATION L0001591     VOLUME   482156.331 3734437.175 431.00
   LOCATION L0001592     VOLUME   482147.741 3734437.229 431.00
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** PREFIX
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   LOCATION L0001634     VOLUME   482105.576 3734445.646 431.00
   LOCATION L0001635     VOLUME   482105.615 3734454.236 431.00
   LOCATION L0001636     VOLUME   482105.655 3734462.826 431.00
   LOCATION L0001637     VOLUME   482105.694 3734471.416 431.00
   LOCATION L0001638     VOLUME   482105.734 3734480.006 431.00
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** End of LINE VOLUME Source ID = SLINE4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Watson 100%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.955E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482103.188, 3734490.588, 431.00, 3.49, 4.00
** 482409.782, 3734489.514, 433.00, 3.49, 4.00
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   LOCATION L0001640     VOLUME   482116.073 3734490.542 431.00
   LOCATION L0001641     VOLUME   482124.663 3734490.512 431.00
   LOCATION L0001642     VOLUME   482133.253 3734490.482 431.00
   LOCATION L0001643     VOLUME   482141.843 3734490.452 431.00
   LOCATION L0001644     VOLUME   482150.433 3734490.422 431.00
   LOCATION L0001645     VOLUME   482159.022 3734490.392 431.00
   LOCATION L0001646     VOLUME   482167.612 3734490.362 431.00
   LOCATION L0001647     VOLUME   482176.202 3734490.332 431.00
   LOCATION L0001648     VOLUME   482184.792 3734490.302 431.00
   LOCATION L0001649     VOLUME   482193.382 3734490.272 431.00
   LOCATION L0001650     VOLUME   482201.972 3734490.242 431.00
   LOCATION L0001651     VOLUME   482210.562 3734490.212 431.00
   LOCATION L0001652     VOLUME   482219.152 3734490.181 431.00
   LOCATION L0001653     VOLUME   482227.742 3734490.151 431.00
   LOCATION L0001654     VOLUME   482236.332 3734490.121 431.00
   LOCATION L0001655     VOLUME   482244.922 3734490.091 431.00
   LOCATION L0001656     VOLUME   482253.512 3734490.061 431.00
   LOCATION L0001657     VOLUME   482262.102 3734490.031 431.04
   LOCATION L0001658     VOLUME   482270.692 3734490.001 431.19
   LOCATION L0001659     VOLUME   482279.282 3734489.971 431.34
   LOCATION L0001660     VOLUME   482287.872 3734489.941 431.50
   LOCATION L0001661     VOLUME   482296.462 3734489.911 431.64
   LOCATION L0001662     VOLUME   482305.052 3734489.881 431.77
   LOCATION L0001663     VOLUME   482313.642 3734489.850 431.90
   LOCATION L0001664     VOLUME   482322.231 3734489.820 432.00
   LOCATION L0001665     VOLUME   482330.821 3734489.790 432.00
   LOCATION L0001666     VOLUME   482339.411 3734489.760 432.00
   LOCATION L0001667     VOLUME   482348.001 3734489.730 432.00
   LOCATION L0001668     VOLUME   482356.591 3734489.700 432.22
   LOCATION L0001669     VOLUME   482365.181 3734489.670 432.50
   LOCATION L0001670     VOLUME   482373.771 3734489.640 432.79
   LOCATION L0001671     VOLUME   482382.361 3734489.610 433.00
   LOCATION L0001672     VOLUME   482390.951 3734489.580 433.00
   LOCATION L0001673     VOLUME   482399.541 3734489.550 433.00
   LOCATION L0001674     VOLUME   482408.131 3734489.520 433.00
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Case N 50%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.043E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 24
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** 482421.058, 3734666.168, 432.28, 3.49, 4.00
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** 482407.634, 3734868.595, 432.99, 3.49, 4.00
** 482387.230, 3734912.624, 432.93, 3.49, 4.00
** 482362.531, 3734944.841, 432.28, 3.49, 4.00
** 482342.127, 3734964.708, 432.06, 3.49, 4.00
** 482267.492, 3735020.550, 432.00, 3.49, 4.00
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** 481979.691, 3735309.962, 431.00, 3.49, 4.00
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** 482249.773, 3735145.657, 431.95, 3.49, 4.00
** 482353.435, 3735145.404, 432.10, 3.49, 4.00
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   LOCATION L0001679     VOLUME   482420.286 3734527.631 433.00
   LOCATION L0001680     VOLUME   482420.353 3734536.220 433.00
   LOCATION L0001681     VOLUME   482420.420 3734544.810 433.00
   LOCATION L0001682     VOLUME   482420.487 3734553.400 433.00
   LOCATION L0001683     VOLUME   482420.542 3734561.990 433.00
   LOCATION L0001684     VOLUME   482420.585 3734570.580 433.00
   LOCATION L0001685     VOLUME   482420.627 3734579.169 433.00
   LOCATION L0001686     VOLUME   482420.670 3734587.759 433.00
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   LOCATION L0001689     VOLUME   482420.797 3734613.529 432.63
   LOCATION L0001690     VOLUME   482420.840 3734622.119 432.44
   LOCATION L0001691     VOLUME   482420.882 3734630.709 432.36
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   LOCATION L0001695     VOLUME   482421.052 3734665.068 432.37
   LOCATION L0001696     VOLUME   482421.118 3734673.658 432.37
   LOCATION L0001697     VOLUME   482421.186 3734682.248 432.37
   LOCATION L0001698     VOLUME   482421.255 3734690.838 432.37
   LOCATION L0001699     VOLUME   482421.324 3734699.427 432.38
   LOCATION L0001700     VOLUME   482421.393 3734708.017 432.38
   LOCATION L0001701     VOLUME   482421.461 3734716.607 432.38
   LOCATION L0001702     VOLUME   482421.530 3734725.196 432.38
   LOCATION L0001703     VOLUME   482421.587 3734733.786 432.38
   LOCATION L0001704     VOLUME   482421.452 3734742.375 432.38
   LOCATION L0001705     VOLUME   482421.316 3734750.964 432.38
   LOCATION L0001706     VOLUME   482421.181 3734759.553 432.37
   LOCATION L0001707     VOLUME   482421.046 3734768.142 432.37
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   LOCATION L0001711     VOLUME   482420.432 3734802.494 432.35
   LOCATION L0001712     VOLUME   482419.681 3734811.051 432.32
   LOCATION L0001713     VOLUME   482418.930 3734819.608 432.30
   LOCATION L0001714     VOLUME   482418.180 3734828.165 432.27
   LOCATION L0001715     VOLUME   482416.583 3734836.568 432.23
   LOCATION L0001716     VOLUME   482414.271 3734844.842 432.39
   LOCATION L0001717     VOLUME   482411.960 3734853.115 432.60
   LOCATION L0001718     VOLUME   482409.648 3734861.388 432.85
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LOCATION L0001722 VOLUME 482396.334 3734892.981 433.00
LOCATION L0001723 VOLUME 482392.722 3734900.774 433.00
LOCATION L0001724 VOLUME 482389.110 3734908.568 433.00
LOCATION L0001725 VOLUME 482384.724 3734915.894 433.00
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LOCATION L0001729 VOLUME 482363.818 3734943.162 432.46
LOCATION L0001730 VOLUME 482357.892 3734949.358 432.26
LOCATION L0001731 VOLUME 482351.738 3734955.350 432.06
LOCATION L0001732 VOLUME 482345.583 3734961.343 432.00
LOCATION L0001733 VOLUME 482339.112 3734966.964 432.00
LOCATION L0001734 VOLUME 482332.234 3734972.110 432.00
LOCATION L0001735 VOLUME 482325.356 3734977.256 432.00
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LOCATION L0001745 VOLUME 482256.475 3735028.579 432.00
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LOCATION L0001766 VOLUME 482110.658 3735134.777 431.00
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LOCATION L0001769 VOLUME 482089.808 3735149.921 431.00
LOCATION L0001770 VOLUME 482082.857 3735154.970 431.00
LOCATION L0001771 VOLUME 482075.907 3735160.018 431.00
LOCATION L0001772 VOLUME 482068.957 3735165.066 431.00
LOCATION L0001773 VOLUME 482062.007 3735170.114 431.00
LOCATION L0001774 VOLUME 482055.057 3735175.162 431.00
LOCATION L0001775 VOLUME 482048.106 3735180.210 431.00
LOCATION L0001776 VOLUME 482041.156 3735185.258 431.00
LOCATION L0001777 VOLUME 482034.206 3735190.306 431.00
LOCATION L0001778 VOLUME 482027.256 3735195.354 431.00
LOCATION L0001779 VOLUME 482020.306 3735200.402 431.00
LOCATION L0001780 VOLUME 482013.355 3735205.450 431.00
LOCATION L0001781 VOLUME 482006.405 3735210.498 431.00
LOCATION L0001782 VOLUME 481999.455 3735215.546 431.00
LOCATION L0001783 VOLUME 481992.505 3735220.594 431.00
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LOCATION L0001786 VOLUME 481971.750 3735235.869 431.00
LOCATION L0001787 VOLUME 481964.842 3735240.974 431.00
LOCATION L0001788 VOLUME 481957.933 3735246.079 431.00
LOCATION L0001789 VOLUME 481951.024 3735251.184 431.00
LOCATION L0001790 VOLUME 481944.116 3735256.288 431.00
LOCATION L0001791 VOLUME 481937.207 3735261.393 431.00
LOCATION L0001792 VOLUME 481930.298 3735266.498 431.00
LOCATION L0001793 VOLUME 481923.390 3735271.603 431.00
LOCATION L0001794 VOLUME 481916.481 3735276.707 431.00
LOCATION L0001795 VOLUME 481909.572 3735281.812 431.00
LOCATION L0001796 VOLUME 481902.664 3735286.917 431.00
LOCATION L0001797 VOLUME 481895.755 3735292.022 431.00
LOCATION L0001798 VOLUME 481893.879 3735295.735 431.00
LOCATION L0001799 VOLUME 481902.429 3735296.565 431.00
LOCATION L0001800 VOLUME 481910.979 3735297.395 431.00
LOCATION L0001801 VOLUME 481919.529 3735298.225 431.00
LOCATION L0001802 VOLUME 481928.078 3735299.055 431.00
LOCATION L0001803 VOLUME 481936.628 3735299.885 431.00
LOCATION L0001804 VOLUME 481945.178 3735300.715 431.00
LOCATION L0001805 VOLUME 481953.500 3735302.780 431.00
LOCATION L0001806 VOLUME 481961.784 3735305.052 431.00
LOCATION L0001807 VOLUME 481970.069 3735307.323 431.00
LOCATION L0001808 VOLUME 481978.353 3735309.595 431.00
LOCATION L0001809 VOLUME 481986.881 3735310.390 431.00
LOCATION L0001810 VOLUME 481995.456 3735310.900 431.00
LOCATION L0001811 VOLUME 482004.030 3735311.411 431.00
LOCATION L0001812 VOLUME 482012.605 3735311.921 431.00
LOCATION L0001813 VOLUME 482021.180 3735312.431 431.00
LOCATION L0001814 VOLUME 482028.520 3735309.359 431.00
LOCATION L0001815 VOLUME 482034.962 3735303.675 431.00
LOCATION L0001816 VOLUME 482041.403 3735297.992 431.00
LOCATION L0001817 VOLUME 482047.844 3735292.309 431.00
LOCATION L0001818 VOLUME 482054.285 3735286.625 431.00
LOCATION L0001819 VOLUME 482060.726 3735280.942 431.00
LOCATION L0001820 VOLUME 482067.167 3735275.259 431.00
LOCATION L0001821 VOLUME 482073.608 3735269.575 431.00
LOCATION L0001822 VOLUME 482080.049 3735263.892 431.00
LOCATION L0001823 VOLUME 482086.490 3735258.209 431.00
LOCATION L0001824 VOLUME 482092.932 3735252.525 431.00
LOCATION L0001825 VOLUME 482099.373 3735246.842 431.00
LOCATION L0001826 VOLUME 482105.814 3735241.159 431.00
LOCATION L0001827 VOLUME 482112.066 3735235.269 431.00
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LOCATION L0001829 VOLUME 482124.489 3735223.403 431.00
LOCATION L0001830 VOLUME 482130.700 3735217.469 431.00
LOCATION L0001831 VOLUME 482136.912 3735211.536 431.00
LOCATION L0001832 VOLUME 482143.121 3735205.600 431.00
LOCATION L0001833 VOLUME 482149.268 3735199.600 431.00
LOCATION L0001834 VOLUME 482155.415 3735193.599 431.00
LOCATION L0001835 VOLUME 482161.561 3735187.599 431.00
LOCATION L0001836 VOLUME 482167.954 3735181.883 431.00
LOCATION L0001837 VOLUME 482174.778 3735176.665 431.00
LOCATION L0001838 VOLUME 482181.601 3735171.447 431.00
LOCATION L0001839 VOLUME 482188.425 3735166.229 431.00
LOCATION L0001840 VOLUME 482195.624 3735161.654 431.00
LOCATION L0001841 VOLUME 482203.520 3735158.270 431.03
LOCATION L0001842 VOLUME 482211.415 3735154.886 431.14
LOCATION L0001843 VOLUME 482219.320 3735151.534 431.31
LOCATION L0001844 VOLUME 482227.755 3735149.907 431.50
LOCATION L0001845 VOLUME 482236.189 3735148.279 431.67
LOCATION L0001846 VOLUME 482244.623 3735146.651 431.82
LOCATION L0001847 VOLUME 482253.118 3735145.649 431.93
LOCATION L0001848 VOLUME 482261.708 3735145.628 432.00
LOCATION L0001849 VOLUME 482270.298 3735145.607 432.00
LOCATION L0001850 VOLUME 482278.888 3735145.586 432.00

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   LOCATION L0001851     VOLUME   482287.478 3735145.565 432.00
   LOCATION L0001852     VOLUME   482296.068 3735145.544 432.00
   LOCATION L0001853     VOLUME   482304.658 3735145.523 432.00
   LOCATION L0001854     VOLUME   482313.248 3735145.502 432.00
   LOCATION L0001855     VOLUME   482321.838 3735145.481 432.00
   LOCATION L0001856     VOLUME   482330.428 3735145.460 432.00
   LOCATION L0001857     VOLUME   482339.018 3735145.439 432.00
   LOCATION L0001858     VOLUME   482347.608 3735145.418 432.00
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Case S 50%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 4.427E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 22
** 482419.764, 3734484.645, 433.00, 3.49, 6.51
** 482416.605, 3734358.937, 433.00, 3.49, 6.51
** 482410.288, 3734250.916, 433.00, 3.49, 6.51
** 482409.657, 3734168.164, 433.00, 3.49, 6.51
** 482403.971, 3734071.513, 433.00, 3.49, 6.51
** 482398.286, 3734001.395, 433.00, 3.49, 6.51
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** 482140.552, 3733729.132, 433.00, 3.49, 6.51
** 482133.604, 3733699.442, 433.00, 3.49, 6.51
** 482134.235, 3733681.123, 433.00, 3.49, 6.51
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** 482568.845, 3733673.542, 434.00, 3.49, 6.51
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   LOCATION L0001859     VOLUME   482419.588 3734477.648 433.00
   LOCATION L0001860     VOLUME   482419.237 3734463.652 433.00
   LOCATION L0001861     VOLUME   482418.885 3734449.656 433.00
   LOCATION L0001862     VOLUME   482418.533 3734435.661 433.00
   LOCATION L0001863     VOLUME   482418.182 3734421.665 433.00
   LOCATION L0001864     VOLUME   482417.830 3734407.670 433.00
   LOCATION L0001865     VOLUME   482417.478 3734393.674 433.00
   LOCATION L0001866     VOLUME   482417.127 3734379.678 433.00
   LOCATION L0001867     VOLUME   482416.775 3734365.683 433.00
   LOCATION L0001868     VOLUME   482416.182 3734351.697 433.00
   LOCATION L0001869     VOLUME   482415.365 3734337.721 433.00
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   LOCATION L0001871     VOLUME   482413.730 3734309.769 433.00
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   LOCATION L0001876     VOLUME   482410.204 3734239.870 433.00
   LOCATION L0001877     VOLUME   482410.097 3734225.870 433.00
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   LOCATION L0001879     VOLUME   482409.884 3734197.871 433.00
   LOCATION L0001880     VOLUME   482409.777 3734183.872 433.00
   LOCATION L0001881     VOLUME   482409.670 3734169.872 433.00
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LOCATION L0001888 VOLUME 482404.002 3734072.038 433.00
LOCATION L0001889 VOLUME 482402.883 3734058.083 433.00
LOCATION L0001890 VOLUME 482401.751 3734044.129 433.00
LOCATION L0001891 VOLUME 482400.620 3734030.175 433.00
LOCATION L0001892 VOLUME 482399.488 3734016.220 433.00
LOCATION L0001893 VOLUME 482398.357 3734002.266 433.00
LOCATION L0001894 VOLUME 482396.621 3733988.375 433.00
LOCATION L0001895 VOLUME 482394.845 3733974.488 433.00
LOCATION L0001896 VOLUME 482393.068 3733960.601 433.00
LOCATION L0001897 VOLUME 482391.294 3733946.714 433.00
LOCATION L0001898 VOLUME 482389.588 3733932.819 433.00
LOCATION L0001899 VOLUME 482387.881 3733918.923 433.00
LOCATION L0001900 VOLUME 482385.549 3733905.138 433.00
LOCATION L0001901 VOLUME 482382.401 3733891.496 433.00
LOCATION L0001902 VOLUME 482379.209 3733877.868 433.00
LOCATION L0001903 VOLUME 482374.399 3733864.720 433.00
LOCATION L0001904 VOLUME 482369.363 3733851.701 433.00
LOCATION L0001905 VOLUME 482360.546 3733840.826 433.00
LOCATION L0001906 VOLUME 482351.728 3733829.951 433.00
LOCATION L0001907 VOLUME 482342.507 3733819.419 433.00
LOCATION L0001908 VOLUME 482333.244 3733808.921 433.00
LOCATION L0001909 VOLUME 482321.469 3733801.519 433.00
LOCATION L0001910 VOLUME 482308.930 3733795.445 433.00
LOCATION L0001911 VOLUME 482295.572 3733791.254 433.00
LOCATION L0001912 VOLUME 482282.213 3733787.063 433.00
LOCATION L0001913 VOLUME 482268.418 3733784.774 433.00
LOCATION L0001914 VOLUME 482254.571 3733782.712 433.00
LOCATION L0001915 VOLUME 482240.946 3733779.557 433.00
LOCATION L0001916 VOLUME 482227.396 3733776.038 433.00
LOCATION L0001917 VOLUME 482213.846 3733772.518 433.00
LOCATION L0001918 VOLUME 482200.459 3733768.561 433.00
LOCATION L0001919 VOLUME 482187.937 3733762.300 433.00
LOCATION L0001920 VOLUME 482175.415 3733756.039 433.00
LOCATION L0001921 VOLUME 482164.067 3733747.944 433.00
LOCATION L0001922 VOLUME 482153.135 3733739.198 433.00
LOCATION L0001923 VOLUME 482142.203 3733730.452 433.00
LOCATION L0001924 VOLUME 482137.844 3733717.558 433.00
LOCATION L0001925 VOLUME 482134.653 3733703.926 433.00
LOCATION L0001926 VOLUME 482133.928 3733690.053 433.00
LOCATION L0001927 VOLUME 482139.297 3733680.969 433.00
LOCATION L0001928 VOLUME 482153.291 3733680.543 433.00
LOCATION L0001929 VOLUME 482167.284 3733680.118 433.00
LOCATION L0001930 VOLUME 482181.278 3733679.693 433.00
LOCATION L0001931 VOLUME 482195.271 3733679.267 433.00
LOCATION L0001932 VOLUME 482209.265 3733678.842 433.00
LOCATION L0001933 VOLUME 482223.259 3733678.417 433.00
LOCATION L0001934 VOLUME 482237.252 3733677.991 433.00
LOCATION L0001935 VOLUME 482251.246 3733677.566 433.00
LOCATION L0001936 VOLUME 482265.239 3733677.141 433.00
LOCATION L0001937 VOLUME 482279.233 3733676.715 433.00
LOCATION L0001938 VOLUME 482293.226 3733676.290 433.00
LOCATION L0001939 VOLUME 482307.220 3733675.865 433.00
LOCATION L0001940 VOLUME 482321.213 3733675.439 433.03
LOCATION L0001941 VOLUME 482335.207 3733675.014 433.35
LOCATION L0001942 VOLUME 482349.204 3733674.766 433.69
LOCATION L0001943 VOLUME 482363.203 3733674.688 433.84
LOCATION L0001944 VOLUME 482377.203 3733674.610 433.97
LOCATION L0001945 VOLUME 482391.203 3733674.532 434.00
LOCATION L0001946 VOLUME 482405.203 3733674.454 434.00
LOCATION L0001947 VOLUME 482419.202 3733674.376 434.00

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   LOCATION L0001948     VOLUME   482433.202 3733674.298 434.00
   LOCATION L0001949     VOLUME   482447.202 3733674.220 434.00
   LOCATION L0001950     VOLUME   482461.202 3733674.142 434.00
   LOCATION L0001951     VOLUME   482475.202 3733674.064 434.00
   LOCATION L0001952     VOLUME   482489.201 3733673.986 434.00
   LOCATION L0001953     VOLUME   482503.201 3733673.908 434.00
   LOCATION L0001954     VOLUME   482517.201 3733673.830 434.00
   LOCATION L0001955     VOLUME   482531.201 3733673.752 434.00
   LOCATION L0001956     VOLUME   482545.201 3733673.674 434.00
   LOCATION L0001957     VOLUME   482559.200 3733673.596 434.00
** End of LINE VOLUME Source ID = SLINE7
   LOCATION STCK1        POINT      482024.740  3734402.270      431.460
   LOCATION STCK2        POINT      481955.255  3733971.063      432.840
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC Commercial Idle 1
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.73E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482116.593, 3734181.181, 432.96, 3.49, 4.00
** 482135.939, 3734181.181, 433.00, 3.49, 4.00
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   LOCATION L0001958     VOLUME   482120.888 3734181.181 433.00
   LOCATION L0001959     VOLUME   482129.478 3734181.181 433.00
** End of LINE VOLUME Source ID = SLINE8
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC Commercial Idle 2
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.73E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482080.956, 3733965.658, 433.00, 3.49, 4.00
** 482100.302, 3733965.658, 433.00, 3.49, 4.00
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   LOCATION L0001960     VOLUME   482085.251 3733965.658 433.00
   LOCATION L0001961     VOLUME   482093.841 3733965.658 433.00
** End of LINE VOLUME Source ID = SLINE9
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC Commercial 1 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.536E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 482124.739, 3734194.078, 432.94, 3.49, 4.00
** 482125.757, 3734228.697, 432.95, 3.49, 4.00
** 482399.318, 3734228.358, 433.00, 3.49, 4.00
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   LOCATION L0001962     VOLUME   482124.865 3734198.371 433.00
   LOCATION L0001963     VOLUME   482125.118 3734206.958 433.00
   LOCATION L0001964     VOLUME   482125.370 3734215.544 433.00
   LOCATION L0001965     VOLUME   482125.623 3734224.130 433.00
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   LOCATION L0001966     VOLUME   482129.778 3734228.692 433.00
   LOCATION L0001967     VOLUME   482138.368 3734228.682 433.00
   LOCATION L0001968     VOLUME   482146.958 3734228.671 433.00
   LOCATION L0001969     VOLUME   482155.548 3734228.661 433.00
   LOCATION L0001970     VOLUME   482164.138 3734228.650 433.00
   LOCATION L0001971     VOLUME   482172.728 3734228.639 433.00
   LOCATION L0001972     VOLUME   482181.318 3734228.629 433.00
   LOCATION L0001973     VOLUME   482189.908 3734228.618 433.00
   LOCATION L0001974     VOLUME   482198.498 3734228.607 433.00
   LOCATION L0001975     VOLUME   482207.088 3734228.597 433.00
   LOCATION L0001976     VOLUME   482215.678 3734228.586 433.00
   LOCATION L0001977     VOLUME   482224.268 3734228.575 433.00
   LOCATION L0001978     VOLUME   482232.858 3734228.565 433.00
   LOCATION L0001979     VOLUME   482241.448 3734228.554 433.00
   LOCATION L0001980     VOLUME   482250.038 3734228.543 433.00
   LOCATION L0001981     VOLUME   482258.628 3734228.533 433.00
   LOCATION L0001982     VOLUME   482267.218 3734228.522 433.00
   LOCATION L0001983     VOLUME   482275.808 3734228.511 433.00
   LOCATION L0001984     VOLUME   482284.398 3734228.501 433.00
   LOCATION L0001985     VOLUME   482292.988 3734228.490 433.00
   LOCATION L0001986     VOLUME   482301.578 3734228.479 433.00
   LOCATION L0001987     VOLUME   482310.168 3734228.469 433.00
   LOCATION L0001988     VOLUME   482318.758 3734228.458 433.00
   LOCATION L0001989     VOLUME   482327.348 3734228.447 433.00
   LOCATION L0001990     VOLUME   482335.938 3734228.437 433.00
   LOCATION L0001991     VOLUME   482344.528 3734228.426 433.00
   LOCATION L0001992     VOLUME   482353.118 3734228.415 433.00
   LOCATION L0001993     VOLUME   482361.708 3734228.405 433.00
   LOCATION L0001994     VOLUME   482370.298 3734228.394 433.00
   LOCATION L0001995     VOLUME   482378.888 3734228.383 433.00
   LOCATION L0001996     VOLUME   482387.478 3734228.373 433.00
   LOCATION L0001997     VOLUME   482396.068 3734228.362 433.00
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC Commercial 2 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.604E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 482095.211, 3733985.344, 433.00, 3.49, 4.00
** 482074.846, 3733985.344, 433.00, 3.49, 4.00
** 482075.525, 3733876.055, 433.00, 3.49, 4.00
** 482071.113, 3733857.728, 433.00, 3.49, 4.00
** 482068.737, 3733695.831, 433.00, 3.49, 4.00
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   LOCATION L0001998     VOLUME   482090.916 3733985.344 433.00
   LOCATION L0001999     VOLUME   482082.326 3733985.344 433.00
   LOCATION L0002000     VOLUME   482074.853 3733984.233 433.00
   LOCATION L0002001     VOLUME   482074.907 3733975.643 433.00
   LOCATION L0002002     VOLUME   482074.960 3733967.054 433.00
   LOCATION L0002003     VOLUME   482075.013 3733958.464 433.00
   LOCATION L0002004     VOLUME   482075.067 3733949.874 433.00
   LOCATION L0002005     VOLUME   482075.120 3733941.284 433.00
   LOCATION L0002006     VOLUME   482075.173 3733932.694 433.00
   LOCATION L0002007     VOLUME   482075.227 3733924.104 433.00
   LOCATION L0002008     VOLUME   482075.280 3733915.515 433.00
   LOCATION L0002009     VOLUME   482075.333 3733906.925 433.00
   LOCATION L0002010     VOLUME   482075.387 3733898.335 433.00
   LOCATION L0002011     VOLUME   482075.440 3733889.745 433.00
   LOCATION L0002012     VOLUME   482075.494 3733881.155 433.00
   LOCATION L0002013     VOLUME   482074.708 3733872.662 433.00
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   LOCATION L0002014     VOLUME   482072.698 3733864.311 433.00
   LOCATION L0002015     VOLUME   482071.086 3733855.909 433.00
   LOCATION L0002016     VOLUME   482070.960 3733847.320 433.00
   LOCATION L0002017     VOLUME   482070.834 3733838.731 433.00
   LOCATION L0002018     VOLUME   482070.708 3733830.142 433.00
   LOCATION L0002019     VOLUME   482070.582 3733821.553 433.00
   LOCATION L0002020     VOLUME   482070.456 3733812.964 433.00
   LOCATION L0002021     VOLUME   482070.330 3733804.375 433.00
   LOCATION L0002022     VOLUME   482070.204 3733795.786 433.00
   LOCATION L0002023     VOLUME   482070.078 3733787.197 433.00
   LOCATION L0002024     VOLUME   482069.952 3733778.607 433.00
   LOCATION L0002025     VOLUME   482069.826 3733770.018 433.00
   LOCATION L0002026     VOLUME   482069.700 3733761.429 433.00
   LOCATION L0002027     VOLUME   482069.574 3733752.840 433.00
   LOCATION L0002028     VOLUME   482069.448 3733744.251 433.00
   LOCATION L0002029     VOLUME   482069.322 3733735.662 433.00
   LOCATION L0002030     VOLUME   482069.196 3733727.073 433.00
   LOCATION L0002031     VOLUME   482069.070 3733718.484 433.00
   LOCATION L0002032     VOLUME   482068.943 3733709.895 433.00
   LOCATION L0002033     VOLUME   482068.817 3733701.306 433.00
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Commercial 2 Offsite
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 6.6E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482068.041, 3733680.502, 433.00, 3.49, 6.51
** 482564.879, 3733673.289, 434.00, 3.49, 6.51
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   LOCATION L0002034     VOLUME   482075.040 3733680.401 433.00
   LOCATION L0002035     VOLUME   482089.039 3733680.197 433.00
   LOCATION L0002036     VOLUME   482103.038 3733679.994 433.00
   LOCATION L0002037     VOLUME   482117.036 3733679.791 433.00
   LOCATION L0002038     VOLUME   482131.035 3733679.588 433.00
   LOCATION L0002039     VOLUME   482145.033 3733679.384 433.00
   LOCATION L0002040     VOLUME   482159.032 3733679.181 433.00
   LOCATION L0002041     VOLUME   482173.030 3733678.978 433.00
   LOCATION L0002042     VOLUME   482187.029 3733678.775 433.00
   LOCATION L0002043     VOLUME   482201.027 3733678.572 433.00
   LOCATION L0002044     VOLUME   482215.026 3733678.368 433.00
   LOCATION L0002045     VOLUME   482229.024 3733678.165 433.00
   LOCATION L0002046     VOLUME   482243.023 3733677.962 433.00
   LOCATION L0002047     VOLUME   482257.021 3733677.759 433.00
   LOCATION L0002048     VOLUME   482271.020 3733677.555 433.00
   LOCATION L0002049     VOLUME   482285.018 3733677.352 433.00
   LOCATION L0002050     VOLUME   482299.017 3733677.149 433.00
   LOCATION L0002051     VOLUME   482313.015 3733676.946 433.00
   LOCATION L0002052     VOLUME   482327.014 3733676.742 433.15
   LOCATION L0002053     VOLUME   482341.012 3733676.539 433.45
   LOCATION L0002054     VOLUME   482355.011 3733676.336 433.71
   LOCATION L0002055     VOLUME   482369.009 3733676.133 433.88
   LOCATION L0002056     VOLUME   482383.008 3733675.930 434.00
   LOCATION L0002057     VOLUME   482397.007 3733675.726 434.00
   LOCATION L0002058     VOLUME   482411.005 3733675.523 434.00
   LOCATION L0002059     VOLUME   482425.004 3733675.320 434.00
   LOCATION L0002060     VOLUME   482439.002 3733675.117 434.00
   LOCATION L0002061     VOLUME   482453.001 3733674.913 434.00
   LOCATION L0002062     VOLUME   482466.999 3733674.710 434.00
   LOCATION L0002063     VOLUME   482480.998 3733674.507 434.00
   LOCATION L0002064     VOLUME   482494.996 3733674.304 434.00
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   LOCATION L0002065     VOLUME   482508.995 3733674.100 434.00
   LOCATION L0002066     VOLUME   482522.993 3733673.897 434.00
   LOCATION L0002067     VOLUME   482536.992 3733673.694 434.00
   LOCATION L0002068     VOLUME   482550.990 3733673.491 434.00
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC Commercial 1 Offsite
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.495E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 18
** 482409.365, 3734228.120, 433.00, 3.49, 6.51
** 482408.788, 3734152.816, 433.00, 3.49, 6.51
** 482406.480, 3734110.691, 433.00, 3.49, 6.51
** 482403.017, 3734057.891, 433.00, 3.49, 6.51
** 482398.689, 3734009.996, 433.00, 3.49, 6.51
** 482391.476, 3733954.311, 433.00, 3.49, 6.51
** 482387.437, 3733915.072, 433.00, 3.49, 6.51
** 482381.089, 3733885.066, 433.00, 3.49, 6.51
** 482371.280, 3733858.810, 433.00, 3.49, 6.51
** 482353.680, 3733831.112, 433.00, 3.49, 6.51
** 482315.018, 3733798.220, 433.00, 3.49, 6.51
** 482258.467, 3733782.351, 433.00, 3.49, 6.51
** 482206.821, 3733771.099, 433.00, 3.49, 6.51
** 482169.602, 3733755.518, 433.00, 3.49, 6.51
** 482141.326, 3733728.974, 433.00, 3.49, 6.51
** 482134.402, 3733706.758, 433.00, 3.49, 6.51
** 482133.536, 3733679.637, 433.00, 3.49, 6.51
** 482561.705, 3733673.578, 434.00, 3.49, 6.51
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   LOCATION L0002069     VOLUME   482409.311 3734221.120 433.00
   LOCATION L0002070     VOLUME   482409.204 3734207.121 433.00
   LOCATION L0002071     VOLUME   482409.097 3734193.121 433.00
   LOCATION L0002072     VOLUME   482408.989 3734179.122 433.00
   LOCATION L0002073     VOLUME   482408.882 3734165.122 433.00
   LOCATION L0002074     VOLUME   482408.695 3734151.125 433.00
   LOCATION L0002075     VOLUME   482407.929 3734137.146 433.00
   LOCATION L0002076     VOLUME   482407.163 3734123.167 433.00
   LOCATION L0002077     VOLUME   482406.381 3734109.189 433.00
   LOCATION L0002078     VOLUME   482405.465 3734095.219 433.00
   LOCATION L0002079     VOLUME   482404.549 3734081.249 433.00
   LOCATION L0002080     VOLUME   482403.633 3734067.279 433.00
   LOCATION L0002081     VOLUME   482402.604 3734053.318 433.00
   LOCATION L0002082     VOLUME   482401.344 3734039.374 433.00
   LOCATION L0002083     VOLUME   482400.084 3734025.431 433.00
   LOCATION L0002084     VOLUME   482398.824 3734011.488 433.00
   LOCATION L0002085     VOLUME   482397.083 3733997.598 433.00
   LOCATION L0002086     VOLUME   482395.285 3733983.714 433.00
   LOCATION L0002087     VOLUME   482393.486 3733969.830 433.00
   LOCATION L0002088     VOLUME   482391.688 3733955.946 433.00
   LOCATION L0002089     VOLUME   482390.211 3733942.024 433.00
   LOCATION L0002090     VOLUME   482388.778 3733928.098 433.00
   LOCATION L0002091     VOLUME   482387.250 3733914.186 433.00
   LOCATION L0002092     VOLUME   482384.352 3733900.489 433.00
   LOCATION L0002093     VOLUME   482381.455 3733886.793 433.00
   LOCATION L0002094     VOLUME   482376.807 3733873.605 433.00
   LOCATION L0002095     VOLUME   482371.907 3733860.490 433.00
   LOCATION L0002096     VOLUME   482364.733 3733848.507 433.00
   LOCATION L0002097     VOLUME   482357.225 3733836.691 433.00
   LOCATION L0002098     VOLUME   482348.051 3733826.323 433.00
   LOCATION L0002099     VOLUME   482337.388 3733817.252 433.00
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   LOCATION L0002100     VOLUME   482326.725 3733808.180 433.00
   LOCATION L0002101     VOLUME   482316.062 3733799.108 433.00
   LOCATION L0002102     VOLUME   482302.858 3733794.808 433.00
   LOCATION L0002103     VOLUME   482289.379 3733791.025 433.00
   LOCATION L0002104     VOLUME   482275.900 3733787.243 433.00
   LOCATION L0002105     VOLUME   482262.420 3733783.460 433.00
   LOCATION L0002106     VOLUME   482248.800 3733780.245 433.00
   LOCATION L0002107     VOLUME   482235.121 3733777.264 433.00
   LOCATION L0002108     VOLUME   482221.442 3733774.284 433.00
   LOCATION L0002109     VOLUME   482207.762 3733771.304 433.00
   LOCATION L0002110     VOLUME   482194.796 3733766.065 433.00
   LOCATION L0002111     VOLUME   482181.881 3733760.659 433.00
   LOCATION L0002112     VOLUME   482169.100 3733755.048 433.00
   LOCATION L0002113     VOLUME   482158.893 3733745.466 433.00
   LOCATION L0002114     VOLUME   482148.686 3733735.884 433.00
   LOCATION L0002115     VOLUME   482140.164 3733725.246 433.00
   LOCATION L0002116     VOLUME   482135.998 3733711.880 433.00
   LOCATION L0002117     VOLUME   482134.126 3733698.128 433.00
   LOCATION L0002118     VOLUME   482133.680 3733684.135 433.00
   LOCATION L0002119     VOLUME   482143.035 3733679.502 433.00
   LOCATION L0002120     VOLUME   482157.033 3733679.304 433.00
   LOCATION L0002121     VOLUME   482171.032 3733679.106 433.00
   LOCATION L0002122     VOLUME   482185.030 3733678.908 433.00
   LOCATION L0002123     VOLUME   482199.029 3733678.710 433.00
   LOCATION L0002124     VOLUME   482213.028 3733678.512 433.00
   LOCATION L0002125     VOLUME   482227.026 3733678.314 433.00
   LOCATION L0002126     VOLUME   482241.025 3733678.116 433.00
   LOCATION L0002127     VOLUME   482255.023 3733677.917 433.00
   LOCATION L0002128     VOLUME   482269.022 3733677.719 433.00
   LOCATION L0002129     VOLUME   482283.021 3733677.521 433.00
   LOCATION L0002130     VOLUME   482297.019 3733677.323 433.00
   LOCATION L0002131     VOLUME   482311.018 3733677.125 433.00
   LOCATION L0002132     VOLUME   482325.016 3733676.927 433.11
   LOCATION L0002133     VOLUME   482339.015 3733676.729 433.41
   LOCATION L0002134     VOLUME   482353.014 3733676.531 433.68
   LOCATION L0002135     VOLUME   482367.012 3733676.333 433.85
   LOCATION L0002136     VOLUME   482381.011 3733676.135 434.00
   LOCATION L0002137     VOLUME   482395.009 3733675.937 434.00
   LOCATION L0002138     VOLUME   482409.008 3733675.738 434.00
   LOCATION L0002139     VOLUME   482423.007 3733675.540 434.00
   LOCATION L0002140     VOLUME   482437.005 3733675.342 434.00
   LOCATION L0002141     VOLUME   482451.004 3733675.144 434.00
   LOCATION L0002142     VOLUME   482465.002 3733674.946 434.00
   LOCATION L0002143     VOLUME   482479.001 3733674.748 434.00
   LOCATION L0002144     VOLUME   482493.000 3733674.550 434.00
   LOCATION L0002145     VOLUME   482506.998 3733674.352 434.00
   LOCATION L0002146     VOLUME   482520.997 3733674.154 434.00
   LOCATION L0002147     VOLUME   482534.995 3733673.956 434.00
   LOCATION L0002148     VOLUME   482548.994 3733673.758 434.00
** End of LINE VOLUME Source ID = SLINE13
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Commercial 3 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.73E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482028.173, 3733884.150, 433.06, 3.49, 4.00
** 482046.929, 3733884.727, 433.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002149     VOLUME   482032.466 3733884.282 433.00
   LOCATION L0002150     VOLUME   482041.052 3733884.546 433.00
```

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** End of LINE VOLUME Source ID = SLINE14
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC Commercial 3 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.473E-08
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 482043.467, 3733893.961, 433.00, 3.49, 4.00
** 481942.181, 3733894.250, 433.00, 3.49, 4.00
** 481943.624, 3733811.144, 433.00, 3.49, 4.00
** 481918.807, 3733811.721, 433.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002151     VOLUME   482039.172 3733893.974 433.00
   LOCATION L0002152     VOLUME   482030.582 3733893.998 433.00
   LOCATION L0002153     VOLUME   482021.992 3733894.023 433.00
   LOCATION L0002154     VOLUME   482013.402 3733894.047 433.00
   LOCATION L0002155     VOLUME   482004.812 3733894.071 433.00
   LOCATION L0002156     VOLUME   481996.222 3733894.096 433.00
   LOCATION L0002157     VOLUME   481987.632 3733894.120 433.00
   LOCATION L0002158     VOLUME   481979.042 3733894.145 433.00
   LOCATION L0002159     VOLUME   481970.452 3733894.169 433.00
   LOCATION L0002160     VOLUME   481961.862 3733894.194 433.00
   LOCATION L0002161     VOLUME   481953.272 3733894.218 433.00
   LOCATION L0002162     VOLUME   481944.682 3733894.243 433.00
   LOCATION L0002163     VOLUME   481942.286 3733888.162 433.00
   LOCATION L0002164     VOLUME   481942.436 3733879.573 433.00
   LOCATION L0002165     VOLUME   481942.585 3733870.985 433.00
   LOCATION L0002166     VOLUME   481942.734 3733862.396 433.00
   LOCATION L0002167     VOLUME   481942.883 3733853.807 433.00
   LOCATION L0002168     VOLUME   481943.032 3733845.219 433.00
   LOCATION L0002169     VOLUME   481943.181 3733836.630 433.00
   LOCATION L0002170     VOLUME   481943.330 3733828.041 433.00
   LOCATION L0002171     VOLUME   481943.479 3733819.452 433.00
   LOCATION L0002172     VOLUME   481943.344 3733811.150 433.00
   LOCATION L0002173     VOLUME   481934.756 3733811.350 433.00
   LOCATION L0002174     VOLUME   481926.168 3733811.549 433.00
** End of LINE VOLUME Source ID = SLINE15
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Commercial 3 Offsite
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.047E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 481907.842, 3733812.298, 433.00, 3.49, 6.51
** 481911.016, 3733679.558, 433.00, 3.49, 6.51
** 482125.707, 3733680.136, 433.00, 3.49, 6.51
** 482566.056, 3733673.210, 434.00, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0002175     VOLUME   481908.009 3733805.300 433.00
   LOCATION L0002176     VOLUME   481908.344 3733791.304 433.00
   LOCATION L0002177     VOLUME   481908.678 3733777.308 433.00
   LOCATION L0002178     VOLUME   481909.013 3733763.312 433.00
   LOCATION L0002179     VOLUME   481909.348 3733749.316 433.00
   LOCATION L0002180     VOLUME   481909.682 3733735.320 433.00
   LOCATION L0002181     VOLUME   481910.017 3733721.324 433.00
   LOCATION L0002182     VOLUME   481910.352 3733707.328 433.00
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   LOCATION L0002183     VOLUME   481910.686 3733693.332 433.00
   LOCATION L0002184     VOLUME   481911.239 3733679.559 433.00
   LOCATION L0002185     VOLUME   481925.238 3733679.597 433.00
   LOCATION L0002186     VOLUME   481939.238 3733679.634 433.00
   LOCATION L0002187     VOLUME   481953.238 3733679.672 433.00
   LOCATION L0002188     VOLUME   481967.238 3733679.710 433.00
   LOCATION L0002189     VOLUME   481981.238 3733679.747 433.00
   LOCATION L0002190     VOLUME   481995.238 3733679.785 433.00
   LOCATION L0002191     VOLUME   482009.238 3733679.822 433.00
   LOCATION L0002192     VOLUME   482023.238 3733679.860 433.00
   LOCATION L0002193     VOLUME   482037.238 3733679.898 433.00
   LOCATION L0002194     VOLUME   482051.238 3733679.935 433.00
   LOCATION L0002195     VOLUME   482065.238 3733679.973 433.00
   LOCATION L0002196     VOLUME   482079.238 3733680.011 433.00
   LOCATION L0002197     VOLUME   482093.238 3733680.048 433.00
   LOCATION L0002198     VOLUME   482107.238 3733680.086 433.00
   LOCATION L0002199     VOLUME   482121.238 3733680.124 433.00
   LOCATION L0002200     VOLUME   482135.237 3733679.986 433.00
   LOCATION L0002201     VOLUME   482149.235 3733679.766 433.00
   LOCATION L0002202     VOLUME   482163.233 3733679.545 433.00
   LOCATION L0002203     VOLUME   482177.231 3733679.325 433.00
   LOCATION L0002204     VOLUME   482191.230 3733679.105 433.00
   LOCATION L0002205     VOLUME   482205.228 3733678.885 433.00
   LOCATION L0002206     VOLUME   482219.226 3733678.665 433.00
   LOCATION L0002207     VOLUME   482233.224 3733678.445 433.00
   LOCATION L0002208     VOLUME   482247.223 3733678.224 433.00
   LOCATION L0002209     VOLUME   482261.221 3733678.004 433.00
   LOCATION L0002210     VOLUME   482275.219 3733677.784 433.00
   LOCATION L0002211     VOLUME   482289.218 3733677.564 433.00
   LOCATION L0002212     VOLUME   482303.216 3733677.344 433.00
   LOCATION L0002213     VOLUME   482317.214 3733677.124 433.00
   LOCATION L0002214     VOLUME   482331.212 3733676.904 433.24
   LOCATION L0002215     VOLUME   482345.211 3733676.683 433.54
   LOCATION L0002216     VOLUME   482359.209 3733676.463 433.76
   LOCATION L0002217     VOLUME   482373.207 3733676.243 433.92
   LOCATION L0002218     VOLUME   482387.205 3733676.023 434.00
   LOCATION L0002219     VOLUME   482401.204 3733675.803 434.00
   LOCATION L0002220     VOLUME   482415.202 3733675.583 434.00
   LOCATION L0002221     VOLUME   482429.200 3733675.362 434.00
   LOCATION L0002222     VOLUME   482443.199 3733675.142 434.00
   LOCATION L0002223     VOLUME   482457.197 3733674.922 434.00
   LOCATION L0002224     VOLUME   482471.195 3733674.702 434.00
   LOCATION L0002225     VOLUME   482485.193 3733674.482 434.00
   LOCATION L0002226     VOLUME   482499.192 3733674.262 434.00
   LOCATION L0002227     VOLUME   482513.190 3733674.041 434.00
   LOCATION L0002228     VOLUME   482527.188 3733673.821 434.00
   LOCATION L0002229     VOLUME   482541.186 3733673.601 434.00
   LOCATION L0002230     VOLUME   482555.185 3733673.381 434.00
** End of LINE VOLUME Source ID = SLINE16
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001537     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001538     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001539     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001540     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001541     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001542     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001543     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001544     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001545     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001546     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001547     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001548     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001549     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001550     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001551     0.0000004097      3.49      4.00      3.25
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   SRCPARAM L0001552     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001553     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001554     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001555     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001556     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001557     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001558     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001559     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001560     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001561     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001562     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001563     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001564     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001565     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001566     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001567     0.0000004097      3.49      4.00      3.25
   SRCPARAM L0001568     0.0000004097      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0001569     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001570     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001571     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001572     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001573     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001574     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001575     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001576     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001577     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001578     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001579     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001580     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001581     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001582     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001583     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001584     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001585     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001586     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001587     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001588     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001589     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001590     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001591     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001592     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001593     0.0000005042      3.49      4.00      3.25
   SRCPARAM L0001594     0.0000005042      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001595     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001596     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001597     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001598     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001599     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001600     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001601     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001602     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001603     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001604     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001605     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001606     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001607     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001608     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001609     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001610     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001611     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001612     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001613     0.0000001267      3.49      4.00      3.25
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   SRCPARAM L0001614     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001615     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001616     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001617     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001618     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001619     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001620     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001621     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001622     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001623     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001624     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001625     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001626     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001627     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001628     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001629     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001630     0.0000001267      3.49      4.00      3.25
   SRCPARAM L0001631     0.0000001267      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001632     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001633     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001634     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001635     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001636     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001637     0.000000129      3.49      4.00      3.25
   SRCPARAM L0001638     0.000000129      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001639     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001640     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001641     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001642     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001643     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001644     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001645     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001646     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001647     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001648     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001649     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001650     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001651     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001652     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001653     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001654     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001655     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001656     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001657     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001658     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001659     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001660     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001661     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001662     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001663     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001664     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001665     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001666     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001667     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001668     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001669     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001670     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001671     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001672     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001673     0.00000005431      3.49      4.00      3.25
   SRCPARAM L0001674     0.00000005431      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0001675     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001676     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001677     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001678     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001679     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001680     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001681     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001682     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001683     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001684     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001685     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001686     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001687     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001688     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001689     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001690     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001691     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001692     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001693     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001694     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001695     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001696     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001697     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001698     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001699     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001700     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001701     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001702     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001703     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001704     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001705     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001706     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001707     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001708     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001709     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001710     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001711     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001712     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001713     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001714     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001715     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001716     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001717     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001718     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001719     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001720     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001721     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001722     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001723     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001724     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001725     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001726     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001727     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001728     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001729     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001730     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001731     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001732     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001733     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001734     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001735     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001736     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001737     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001738     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001739     0.00000002741      3.49      4.00      3.25
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SRCPARAM L0001740     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001741     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001742     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001743     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001744     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001745     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001746     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001747     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001748     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001749     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001750     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001751     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001752     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001753     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001754     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001755     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001756     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001757     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001758     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001759     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001760     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001761     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001762     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001763     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001764     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001765     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001766     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001767     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001768     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001769     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001770     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001771     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001772     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001773     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001774     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001775     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001776     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001777     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001778     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001779     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001780     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001781     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001782     0.00000002741      3.49      4.00      3.25
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SRCPARAM L0001784     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001785     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001786     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001787     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001788     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001789     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001790     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001791     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001792     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001793     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001794     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001795     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001796     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001797     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001798     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001799     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001800     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001801     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001802     0.00000002741      3.49      4.00      3.25
SRCPARAM L0001803     0.00000002741      3.49      4.00      3.25
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SRCPARAM L0001805     0.00000002741      3.49      4.00      3.25
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   SRCPARAM L0001806     0.00000002741      3.49      4.00      3.25
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   SRCPARAM L0001808     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001809     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001810     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001811     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001812     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001813     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001814     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001815     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001816     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001817     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001818     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001819     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001820     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001821     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001822     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001823     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001824     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001825     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001826     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001827     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001828     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001829     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001830     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001831     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001832     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001833     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001834     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001835     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001836     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001837     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001838     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001839     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001840     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001841     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001842     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001843     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001844     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001845     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001846     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001847     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001848     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001849     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001850     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001851     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001852     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001853     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001854     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001855     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001856     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001857     0.00000002741      3.49      4.00      3.25
   SRCPARAM L0001858     0.00000002741      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0001859     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001860     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001861     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001862     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001863     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001864     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001865     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001866     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001867     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001868     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001869     0.00000004472      3.49      6.51      3.25
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SRCPARAM L0001870     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001871     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001872     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001873     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001874     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001875     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001876     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001877     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001878     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001879     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001880     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001881     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001882     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001883     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001884     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001885     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001886     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001887     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001888     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001889     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001890     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001891     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001892     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001893     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001894     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001895     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001896     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001897     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001898     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001899     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001900     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001901     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001902     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001903     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001904     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001905     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001906     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001907     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001908     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001909     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001910     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001911     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001912     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001913     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001914     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001915     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001916     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001917     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001918     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001919     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001920     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001921     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001922     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001923     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001924     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001925     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001926     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001927     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001928     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001929     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001930     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001931     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001932     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001933     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001934     0.00000004472      3.49      6.51      3.25
SRCPARAM L0001935     0.00000004472      3.49      6.51      3.25
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   SRCPARAM L0001936     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001937     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001938     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001939     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001940     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001941     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001942     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001943     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001944     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001945     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001946     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001947     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001948     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001949     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001950     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001951     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001952     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001953     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001954     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001955     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001956     0.00000004472      3.49      6.51      3.25
   SRCPARAM L0001957     0.00000004472      3.49      6.51      3.25
** ------------------------------------------------------------------
   SRCPARAM STCK1        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK2        0.0088198516     3.550   728.550     54.78      0.13
** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0001958     0.0000001365      3.49      4.00      3.25
   SRCPARAM L0001959     0.0000001365      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0001960     0.0000001365      3.49      4.00      3.25
   SRCPARAM L0001961     0.0000001365      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0001962     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001963     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001964     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001965     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001966     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001967     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001968     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001969     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001970     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001971     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001972     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001973     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001974     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001975     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001976     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001977     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001978     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001979     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001980     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001981     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001982     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001983     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001984     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001985     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001986     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001987     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001988     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001989     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001990     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001991     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001992     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001993     0.000000002649      3.49      4.00      3.25
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   SRCPARAM L0001994     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001995     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001996     0.000000002649      3.49      4.00      3.25
   SRCPARAM L0001997     0.000000002649      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0001998     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0001999     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002000     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002001     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002002     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002003     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002004     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002005     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002006     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002007     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002008     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002009     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002010     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002011     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002012     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002013     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002014     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002015     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002016     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002017     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002018     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002019     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002020     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002021     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002022     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002023     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002024     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002025     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002026     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002027     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002028     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002029     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002030     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002031     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002032     0.000000002668      3.49      4.00      3.25
   SRCPARAM L0002033     0.000000002668      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0002034     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002035     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002036     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002037     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002038     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002039     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002040     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002041     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002042     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002043     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002044     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002045     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002046     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002047     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002048     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002049     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002050     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002051     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002052     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002053     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002054     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002055     0.000000001886      3.49      6.51      3.25
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   SRCPARAM L0002056     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002057     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002058     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002059     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002060     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002061     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002062     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002063     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002064     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002065     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002066     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002067     0.000000001886      3.49      6.51      3.25
   SRCPARAM L0002068     0.000000001886      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0002069     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002070     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002071     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002072     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002073     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002074     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002075     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002076     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002077     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002078     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002079     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002080     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002081     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002082     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002083     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002084     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002085     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002086     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002087     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002088     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002089     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002090     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002091     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002092     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002093     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002094     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002095     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002096     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002097     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002098     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002099     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002100     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002101     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002102     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002103     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002104     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002105     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002106     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002107     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002108     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002109     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002110     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002111     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002112     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002113     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002114     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002115     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002116     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002117     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002118     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002119     0.000000001869      3.49      6.51      3.25
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   SRCPARAM L0002120     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002121     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002122     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002123     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002124     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002125     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002126     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002127     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002128     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002129     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002130     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002131     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002132     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002133     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002134     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002135     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002136     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002137     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002138     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002139     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002140     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002141     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002142     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002143     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002144     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002145     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002146     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002147     0.000000001869      3.49      6.51      3.25
   SRCPARAM L0002148     0.000000001869      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0002149     0.0000001365      3.49      4.00      3.25
   SRCPARAM L0002150     0.0000001365      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0002151     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002152     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002153     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002154     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002155     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002156     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002157     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002158     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002159     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002160     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002161     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002162     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002163     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002164     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002165     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002166     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002167     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002168     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002169     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002170     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002171     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002172     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002173     0.000000002697      3.49      4.00      3.25
   SRCPARAM L0002174     0.000000002697      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE16
   SRCPARAM L0002175     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002176     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002177     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002178     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002179     0.00000000187      3.49      6.51      3.25
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   SRCPARAM L0002180     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002181     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002182     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002183     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002184     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002185     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002186     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002187     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002188     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002189     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002190     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002191     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002192     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002193     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002194     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002195     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002196     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002197     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002198     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002199     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002200     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002201     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002202     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002203     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002204     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002205     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002206     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002207     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002208     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002209     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002210     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002211     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002212     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002213     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002214     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002215     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002216     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002217     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002218     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002219     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002220     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002221     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002222     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002223     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002224     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002225     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002226     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002227     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002228     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002229     0.00000000187      3.49      6.51      3.25
   SRCPARAM L0002230     0.00000000187      3.49      6.51      3.25
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72
   BUILDHGT STCK1           13.72    13.72    13.72    13.72    13.72    13.72

   BUILDHGT STCK2           18.29    18.29    18.29    18.29    18.29    18.29
   BUILDHGT STCK2           18.29    18.29    18.29    18.29    18.29    18.29
   BUILDHGT STCK2           18.29    18.29    18.29    18.29    18.29    18.29
   BUILDHGT STCK2           18.29    18.29    18.29    18.29    18.29    18.29
   BUILDHGT STCK2           18.29    18.29    18.29    18.29    18.29    18.29
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   BUILDHGT STCK2          18.29    18.29    18.29    18.29    18.29    18.29

   BUILDWID STCK1         371.92   380.74   378.04   363.85   338.61   303.07
   BUILDWID STCK1         258.33   206.58   149.56   201.94   253.51   297.74
   BUILDWID STCK1         332.92   357.98   372.17   375.05   366.62   353.16
   BUILDWID STCK1         371.92   380.74   378.04   363.85   338.61   303.07
   BUILDWID STCK1         258.33   206.58   149.56   201.94   253.51   297.74
   BUILDWID STCK1         332.92   357.98   372.17   375.05   366.62   353.16

   BUILDWID STCK2          88.86    93.13    94.57    93.14    88.87    81.91
   BUILDWID STCK2          72.46    60.80    50.84    47.67    47.83    51.01
   BUILDWID STCK2          61.46    70.04    76.49    80.62    82.29    81.89
   BUILDWID STCK2          88.86    93.13    94.57    93.14    88.87    81.91
   BUILDWID STCK2          72.46    60.80    50.84    47.67    47.83    51.01
   BUILDWID STCK2          61.46    70.04    76.49    80.62    82.29    81.89

   BUILDLEN STCK1         201.94   253.51   297.74   332.92   357.98   372.17
   BUILDLEN STCK1         375.05   366.62   353.16   371.92   380.74   378.04
   BUILDLEN STCK1         363.85   338.61   303.07   258.33   206.58   149.56
   BUILDLEN STCK1         201.94   253.51   297.74   332.92   357.98   372.17
   BUILDLEN STCK1         375.05   366.62   353.16   371.92   380.74   378.04
   BUILDLEN STCK1         363.85   338.61   303.07   258.33   206.58   149.56

   BUILDLEN STCK2          47.67    47.83    51.01    61.46    70.04    76.49
   BUILDLEN STCK2          80.62    82.29    81.89    88.86    93.13    94.57
   BUILDLEN STCK2          93.14    88.87    81.91    72.46    60.80    50.84
   BUILDLEN STCK2          47.67    47.83    51.01    61.46    70.04    76.49
   BUILDLEN STCK2          80.62    82.29    81.89    88.86    93.13    94.57
   BUILDLEN STCK2          93.14    88.87    81.91    72.46    60.80    50.84

   XBADJ    STCK1        -140.52  -133.65  -123.07  -108.75   -91.13   -70.74
   XBADJ    STCK1         -48.20   -24.29    -3.08    -3.52    -3.85    -4.07
   XBADJ    STCK1          -4.16    -4.12    -3.96    -3.68    -3.29    -3.29
   XBADJ    STCK1         -61.42  -119.87  -174.67  -224.17  -266.85  -301.43
   XBADJ    STCK1        -326.85  -342.33  -350.08  -368.40  -376.89  -373.97
   XBADJ    STCK1        -359.69  -334.48  -299.11  -254.65  -203.29  -146.27

   XBADJ    STCK2         -15.23    -2.67     5.50     4.69     3.74     2.68
   XBADJ    STCK2           1.53     0.34    -0.86    -4.35    -7.71   -10.83
   XBADJ    STCK2         -13.63   -16.01   -17.91   -19.26   -20.02   -23.51
   XBADJ    STCK2         -32.43   -45.16   -56.52   -66.16   -73.78   -79.17
   XBADJ    STCK2         -82.15   -82.64   -81.03   -84.51   -85.42   -83.73
   XBADJ    STCK2         -79.50   -72.86   -64.00   -53.20   -40.78   -27.33

   YBADJ    STCK1        -182.44  -186.52  -184.95  -177.77  -165.18  -147.57
   YBADJ    STCK1        -125.48  -100.00   -71.49   -39.55    -6.89    25.80
   YBADJ    STCK1          57.71    87.86   115.34   139.32   159.02   173.50
   YBADJ    STCK1         182.44   186.52   184.95   177.77   165.18   147.57
   YBADJ    STCK1         125.48   100.00    71.49    39.55     6.89   -25.80
   YBADJ    STCK1         -57.71   -87.86  -115.34  -139.32  -159.02  -173.50

   YBADJ    STCK2         -40.08   -38.85   -36.45   -32.94   -28.42   -23.05
   YBADJ    STCK2         -16.97   -10.38    -1.91     8.60    21.25    31.01
   YBADJ    STCK2          35.43    38.76    40.93    41.84    41.49    40.08
   YBADJ    STCK2          40.08    38.85    36.45    32.94    28.42    23.05
   YBADJ    STCK2          16.97    10.38     1.91    -8.60   -21.25   -31.01
   YBADJ    STCK2         -35.43   -38.76   -40.93   -41.84   -41.49   -40.09

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT STCK1        HRDOW7 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "15360 Ops HRA.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
```

```
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "15360 OPS HRA.AD\PE00GALL.PLT" 31
   SUMMFILE "15360 Ops 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            4 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320    1474        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    1475        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 ME W186    1909       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
 ME W187    1909       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        10:33:02

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

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

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   696 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: DPM
```

```
 **Model Calculates PERIOD Averages Only

 **This Run Includes:    696 Source(s);       1 Source Group(s); and      92 Receptor(s)

               with:      2 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    694 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 a total of     0 line(s)
                and:      0 SWPOINT source(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 PERIOD Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
 0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate
                  Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      5.7 MB of RAM.

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   15360 Ops
 HRA.err
 **File for Summary of Results:   15360 Ops
 HRA.sum
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** POINT SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE     STACK   STACK    STACK
              STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT  TEMP.   EXIT VEL.
   DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID         CATS.              (METERS) (METERS) (METERS) (METERS) (DEG.K)  (M/SEC)
     (METERS)                    VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
```

STCK1 0 0.88199E-02 482024.7 3734402.3 431.5 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK2 0 0.88199E-02 481955.3 3733971.1 432.8 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** *** 10:33:02

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0001537	0	0.40970E-06	482065.1	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001538	0	0.40970E-06	482073.7	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001539	0	0.40970E-06	482082.3	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001540	0	0.40970E-06	482090.9	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001541	0	0.40970E-06	482099.5	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001542	0	0.40970E-06	482108.1	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001543	0	0.40970E-06	482116.7	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001544	0	0.40970E-06	482125.3	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001545	0	0.40970E-06	482133.8	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001546	0	0.40970E-06	482142.4	3734401.6	431.5	3.49	4.00	3.25	
YES		NO							
L0001547	0	0.40970E-06	482151.0	3734401.7	431.5	3.49	4.00	3.25	
YES		NO							
L0001548	0	0.40970E-06	482159.6	3734401.7	431.5	3.49	4.00	3.25	
YES		NO							
L0001549	0	0.40970E-06	482168.2	3734401.7	431.5	3.49	4.00	3.25	
YES		NO							
L0001550	0	0.40970E-06	482176.8	3734401.7	431.6	3.49	4.00	3.25	
YES		NO							
L0001551	0	0.40970E-06	482185.4	3734401.7	431.7	3.49	4.00	3.25	
YES		NO							
L0001552	0	0.40970E-06	482194.0	3734401.7	431.9	3.49	4.00	3.25	
YES		NO							
L0001553	0	0.40970E-06	482202.6	3734401.7	432.0	3.49	4.00	3.25	
YES		NO							
L0001554	0	0.40970E-06	482211.2	3734401.7	432.2	3.49	4.00	3.25	
YES		NO							
L0001555	0	0.40970E-06	482219.7	3734401.7	432.3	3.49	4.00	3.25	
YES		NO							
L0001556	0	0.40970E-06	482228.3	3734401.7	432.4	3.49	4.00	3.25	
YES		NO							
L0001557	0	0.40970E-06	482236.9	3734401.7	432.6	3.49	4.00	3.25	

```
 YES                  NO
 L0001558         0   0.40970E-06  482245.5 3734401.8   432.8     3.49     4.00     3.25
 YES                  NO
 L0001559         0   0.40970E-06  482254.1 3734401.8   432.9     3.49     4.00     3.25
 YES                  NO
 L0001560         0   0.40970E-06  482262.7 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001561         0   0.40970E-06  482271.3 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001562         0   0.40970E-06  482279.9 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001563         0   0.40970E-06  482288.5 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001564         0   0.40970E-06  482297.1 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001565         0   0.40970E-06  482305.6 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001566         0   0.40970E-06  482314.2 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001567         0   0.40970E-06  482322.8 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001568         0   0.40970E-06  482331.4 3734401.8   433.0     3.49     4.00     3.25
 YES                  NO
 L0001569         0   0.50420E-06  482345.3 3734436.0   433.0     3.49     4.00     3.25
 YES                  NO
 L0001570         0   0.50420E-06  482336.7 3734436.0   433.0     3.49     4.00     3.25
 YES                  NO
 L0001571         0   0.50420E-06  482328.1 3734436.1   433.0     3.49     4.00     3.25
 YES                  NO
 L0001572         0   0.50420E-06  482319.5 3734436.1   433.0     3.49     4.00     3.25
 YES                  NO
 L0001573         0   0.50420E-06  482310.9 3734436.2   433.0     3.49     4.00     3.25
 YES                  NO
 L0001574         0   0.50420E-06  482302.4 3734436.2   433.0     3.49     4.00     3.25
 YES                  NO
 L0001575         0   0.50420E-06  482293.8 3734436.3   433.0     3.49     4.00     3.25
 YES                  NO
 L0001576         0   0.50420E-06  482285.2 3734436.4   432.9     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0001577         0   0.50420E-06  482276.6 3734436.4   432.7     3.49     4.00     3.25
 YES                  NO
 L0001578         0   0.50420E-06  482268.0 3734436.5   432.5     3.49     4.00     3.25
 YES                  NO
 L0001579         0   0.50420E-06  482259.4 3734436.5   432.3     3.49     4.00     3.25
 YES                  NO
 L0001580         0   0.50420E-06  482250.8 3734436.6   432.2     3.49     4.00     3.25
```

YES		NO						
L0001581	0	0.50420E-06	482242.2	3734436.6	432.1	3.49	4.00	3.25
YES		NO						
L0001582	0	0.50420E-06	482233.6	3734436.7	432.0	3.49	4.00	3.25
YES		NO						
L0001583	0	0.50420E-06	482225.0	3734436.7	431.9	3.49	4.00	3.25
YES		NO						
L0001584	0	0.50420E-06	482216.5	3734436.8	431.7	3.49	4.00	3.25
YES		NO						
L0001585	0	0.50420E-06	482207.9	3734436.8	431.5	3.49	4.00	3.25
YES		NO						
L0001586	0	0.50420E-06	482199.3	3734436.9	431.3	3.49	4.00	3.25
YES		NO						
L0001587	0	0.50420E-06	482190.7	3734437.0	431.2	3.49	4.00	3.25
YES		NO						
L0001588	0	0.50420E-06	482182.1	3734437.0	431.1	3.49	4.00	3.25
YES		NO						
L0001589	0	0.50420E-06	482173.5	3734437.1	431.0	3.49	4.00	3.25
YES		NO						
L0001590	0	0.50420E-06	482164.9	3734437.1	431.0	3.49	4.00	3.25
YES		NO						
L0001591	0	0.50420E-06	482156.3	3734437.2	431.0	3.49	4.00	3.25
YES		NO						
L0001592	0	0.50420E-06	482147.7	3734437.2	431.0	3.49	4.00	3.25
YES		NO						
L0001593	0	0.50420E-06	482139.2	3734437.3	431.0	3.49	4.00	3.25
YES		NO						
L0001594	0	0.50420E-06	482130.6	3734437.3	431.0	3.49	4.00	3.25
YES		NO						
L0001595	0	0.12670E-06	482063.2	3734417.5	431.0	3.49	4.00	3.25
YES		NO						
L0001596	0	0.12670E-06	482071.8	3734417.5	431.0	3.49	4.00	3.25
YES		NO						
L0001597	0	0.12670E-06	482080.4	3734417.5	431.0	3.49	4.00	3.25
YES		NO						
L0001598	0	0.12670E-06	482089.0	3734417.5	431.0	3.49	4.00	3.25
YES		NO						
L0001599	0	0.12670E-06	482097.6	3734417.5	431.0	3.49	4.00	3.25
YES		NO						
L0001600	0	0.12670E-06	482106.2	3734417.6	431.0	3.49	4.00	3.25
YES		NO						
L0001601	0	0.12670E-06	482114.8	3734417.6	431.0	3.49	4.00	3.25
YES		NO						
L0001602	0	0.12670E-06	482123.4	3734417.6	431.0	3.49	4.00	3.25
YES		NO						
L0001603	0	0.12670E-06	482132.0	3734417.6	431.0	3.49	4.00	3.25
YES		NO						
L0001604	0	0.12670E-06	482140.6	3734417.7	431.0	3.49	4.00	3.25
YES		NO						
L0001605	0	0.12670E-06	482149.1	3734417.7	431.0	3.49	4.00	3.25
YES		NO						
L0001606	0	0.12670E-06	482157.7	3734417.7	431.0	3.49	4.00	3.25
YES		NO						
L0001607	0	0.12670E-06	482166.3	3734417.7	431.0	3.49	4.00	3.25
YES		NO						
L0001608	0	0.12670E-06	482174.9	3734417.8	431.2	3.49	4.00	3.25
YES		NO						
L0001609	0	0.12670E-06	482183.5	3734417.8	431.4	3.49	4.00	3.25
YES		NO						
L0001610	0	0.12670E-06	482192.1	3734417.8	431.7	3.49	4.00	3.25
YES		NO						
L0001611	0	0.12670E-06	482200.7	3734417.8	431.9	3.49	4.00	3.25
YES		NO						
L0001612	0	0.12670E-06	482209.3	3734417.8	432.0	3.49	4.00	3.25
YES		NO						
L0001613	0	0.12670E-06	482217.9	3734417.9	432.0	3.49	4.00	3.25

YES NO
L0001614 0 0.12670E-06 482226.5 3734417.9 432.0 3.49 4.00 3.25
YES NO
L0001615 0 0.12670E-06 482235.0 3734417.9 432.2 3.49 4.00 3.25
YES NO
L0001616 0 0.12670E-06 482243.6 3734417.9 432.4 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0001617	0	0.12670E-06	482252.2	3734418.0	432.7	3.49	4.00	3.25	
YES		NO							
L0001618	0	0.12670E-06	482260.8	3734418.0	432.9	3.49	4.00	3.25	
YES		NO							
L0001619	0	0.12670E-06	482269.4	3734418.0	432.9	3.49	4.00	3.25	
YES		NO							
L0001620	0	0.12670E-06	482278.0	3734418.0	433.0	3.49	4.00	3.25	
YES		NO							
L0001621	0	0.12670E-06	482286.6	3734418.1	433.0	3.49	4.00	3.25	
YES		NO							
L0001622	0	0.12670E-06	482295.2	3734418.1	433.0	3.49	4.00	3.25	
YES		NO							
L0001623	0	0.12670E-06	482303.8	3734418.1	433.0	3.49	4.00	3.25	
YES		NO							
L0001624	0	0.12670E-06	482312.4	3734418.1	433.0	3.49	4.00	3.25	
YES		NO							
L0001625	0	0.12670E-06	482320.9	3734418.1	433.0	3.49	4.00	3.25	
YES		NO							
L0001626	0	0.12670E-06	482329.5	3734418.2	433.0	3.49	4.00	3.25	
YES		NO							
L0001627	0	0.12670E-06	482338.1	3734418.2	433.0	3.49	4.00	3.25	
YES		NO							
L0001628	0	0.12670E-06	482346.7	3734418.2	433.0	3.49	4.00	3.25	
YES		NO							
L0001629	0	0.12670E-06	482355.3	3734418.2	433.0	3.49	4.00	3.25	
YES		NO							
L0001630	0	0.12670E-06	482363.9	3734418.3	433.0	3.49	4.00	3.25	
YES		NO							
L0001631	0	0.12670E-06	482372.5	3734418.3	433.0	3.49	4.00	3.25	
YES		NO							
L0001632	0	0.12900E-06	482105.5	3734428.5	431.0	3.49	4.00	3.25	
YES		NO							
L0001633	0	0.12900E-06	482105.5	3734437.1	431.0	3.49	4.00	3.25	
YES		NO							
L0001634	0	0.12900E-06	482105.6	3734445.6	431.0	3.49	4.00	3.25	
YES		NO							
L0001635	0	0.12900E-06	482105.6	3734454.2	431.0	3.49	4.00	3.25	
YES		NO							
L0001636	0	0.12900E-06	482105.7	3734462.8	431.0	3.49	4.00	3.25	

```
 YES                    NO
 L0001637         0   0.12900E-06  482105.7 3734471.4   431.0     3.49     4.00     3.25
 YES                    NO
 L0001638         0   0.12900E-06  482105.7 3734480.0   431.0     3.49     4.00     3.25
 YES                    NO
 L0001639         0   0.54310E-07  482107.5 3734490.6   431.0     3.49     4.00     3.25
 YES                    NO
 L0001640         0   0.54310E-07  482116.1 3734490.5   431.0     3.49     4.00     3.25
 YES                    NO
 L0001641         0   0.54310E-07  482124.7 3734490.5   431.0     3.49     4.00     3.25
 YES                    NO
 L0001642         0   0.54310E-07  482133.3 3734490.5   431.0     3.49     4.00     3.25
 YES                    NO
 L0001643         0   0.54310E-07  482141.8 3734490.5   431.0     3.49     4.00     3.25
 YES                    NO
 L0001644         0   0.54310E-07  482150.4 3734490.4   431.0     3.49     4.00     3.25
 YES                    NO
 L0001645         0   0.54310E-07  482159.0 3734490.4   431.0     3.49     4.00     3.25
 YES                    NO
 L0001646         0   0.54310E-07  482167.6 3734490.4   431.0     3.49     4.00     3.25
 YES                    NO
 L0001647         0   0.54310E-07  482176.2 3734490.3   431.0     3.49     4.00     3.25
 YES                    NO
 L0001648         0   0.54310E-07  482184.8 3734490.3   431.0     3.49     4.00     3.25
 YES                    NO
 L0001649         0   0.54310E-07  482193.4 3734490.3   431.0     3.49     4.00     3.25
 YES                    NO
 L0001650         0   0.54310E-07  482202.0 3734490.2   431.0     3.49     4.00     3.25
 YES                    NO
 L0001651         0   0.54310E-07  482210.6 3734490.2   431.0     3.49     4.00     3.25
 YES                    NO
 L0001652         0   0.54310E-07  482219.2 3734490.2   431.0     3.49     4.00     3.25
 YES                    NO
 L0001653         0   0.54310E-07  482227.7 3734490.2   431.0     3.49     4.00     3.25
 YES                    NO
 L0001654         0   0.54310E-07  482236.3 3734490.1   431.0     3.49     4.00     3.25
 YES                    NO
 L0001655         0   0.54310E-07  482244.9 3734490.1   431.0     3.49     4.00     3.25
 YES                    NO
 L0001656         0   0.54310E-07  482253.5 3734490.1   431.0     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
  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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 L0001657         0   0.54310E-07  482262.1 3734490.0   431.0     3.49     4.00     3.25
 YES                    NO
 L0001658         0   0.54310E-07  482270.7 3734490.0   431.2     3.49     4.00     3.25
 YES                    NO
 L0001659         0   0.54310E-07  482279.3 3734490.0   431.3     3.49     4.00     3.25
```

YES		NO						
L0001660	0	0.54310E-07	482287.9	3734489.9	431.5	3.49	4.00	3.25
YES		NO						
L0001661	0	0.54310E-07	482296.5	3734489.9	431.6	3.49	4.00	3.25
YES		NO						
L0001662	0	0.54310E-07	482305.1	3734489.9	431.8	3.49	4.00	3.25
YES		NO						
L0001663	0	0.54310E-07	482313.6	3734489.8	431.9	3.49	4.00	3.25
YES		NO						
L0001664	0	0.54310E-07	482322.2	3734489.8	432.0	3.49	4.00	3.25
YES		NO						
L0001665	0	0.54310E-07	482330.8	3734489.8	432.0	3.49	4.00	3.25
YES		NO						
L0001666	0	0.54310E-07	482339.4	3734489.8	432.0	3.49	4.00	3.25
YES		NO						
L0001667	0	0.54310E-07	482348.0	3734489.7	432.0	3.49	4.00	3.25
YES		NO						
L0001668	0	0.54310E-07	482356.6	3734489.7	432.2	3.49	4.00	3.25
YES		NO						
L0001669	0	0.54310E-07	482365.2	3734489.7	432.5	3.49	4.00	3.25
YES		NO						
L0001670	0	0.54310E-07	482373.8	3734489.6	432.8	3.49	4.00	3.25
YES		NO						
L0001671	0	0.54310E-07	482382.4	3734489.6	433.0	3.49	4.00	3.25
YES		NO						
L0001672	0	0.54310E-07	482391.0	3734489.6	433.0	3.49	4.00	3.25
YES		NO						
L0001673	0	0.54310E-07	482399.5	3734489.5	433.0	3.49	4.00	3.25
YES		NO						
L0001674	0	0.54310E-07	482408.1	3734489.5	433.0	3.49	4.00	3.25
YES		NO						
L0001675	0	0.27410E-07	482420.0	3734493.3	433.0	3.49	4.00	3.25
YES		NO						
L0001676	0	0.27410E-07	482420.1	3734501.9	433.0	3.49	4.00	3.25
YES		NO						
L0001677	0	0.27410E-07	482420.2	3734510.5	433.0	3.49	4.00	3.25
YES		NO						
L0001678	0	0.27410E-07	482420.2	3734519.0	433.0	3.49	4.00	3.25
YES		NO						
L0001679	0	0.27410E-07	482420.3	3734527.6	433.0	3.49	4.00	3.25
YES		NO						
L0001680	0	0.27410E-07	482420.4	3734536.2	433.0	3.49	4.00	3.25
YES		NO						
L0001681	0	0.27410E-07	482420.4	3734544.8	433.0	3.49	4.00	3.25
YES		NO						
L0001682	0	0.27410E-07	482420.5	3734553.4	433.0	3.49	4.00	3.25
YES		NO						
L0001683	0	0.27410E-07	482420.5	3734562.0	433.0	3.49	4.00	3.25
YES		NO						
L0001684	0	0.27410E-07	482420.6	3734570.6	433.0	3.49	4.00	3.25
YES		NO						
L0001685	0	0.27410E-07	482420.6	3734579.2	433.0	3.49	4.00	3.25
YES		NO						
L0001686	0	0.27410E-07	482420.7	3734587.8	433.0	3.49	4.00	3.25
YES		NO						
L0001687	0	0.27410E-07	482420.7	3734596.3	433.0	3.49	4.00	3.25
YES		NO						
L0001688	0	0.27410E-07	482420.8	3734604.9	432.8	3.49	4.00	3.25
YES		NO						
L0001689	0	0.27410E-07	482420.8	3734613.5	432.6	3.49	4.00	3.25
YES		NO						
L0001690	0	0.27410E-07	482420.8	3734622.1	432.4	3.49	4.00	3.25
YES		NO						
L0001691	0	0.27410E-07	482420.9	3734630.7	432.4	3.49	4.00	3.25
YES		NO						
L0001692	0	0.27410E-07	482420.9	3734639.3	432.4	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0001693	0	0.27410E-07	482421.0	3734647.9	432.4	3.49	4.00	3.25	YES NO
L0001694	0	0.27410E-07	482421.0	3734656.5	432.4	3.49	4.00	3.25	YES NO
L0001695	0	0.27410E-07	482421.1	3734665.1	432.4	3.49	4.00	3.25	YES NO
L0001696	0	0.27410E-07	482421.1	3734673.7	432.4	3.49	4.00	3.25	YES NO
L0001697	0	0.27410E-07	482421.2	3734682.2	432.4	3.49	4.00	3.25	YES NO
L0001698	0	0.27410E-07	482421.3	3734690.8	432.4	3.49	4.00	3.25	YES NO
L0001699	0	0.27410E-07	482421.3	3734699.4	432.4	3.49	4.00	3.25	YES NO
L0001700	0	0.27410E-07	482421.4	3734708.0	432.4	3.49	4.00	3.25	YES NO
L0001701	0	0.27410E-07	482421.5	3734716.6	432.4	3.49	4.00	3.25	YES NO
L0001702	0	0.27410E-07	482421.5	3734725.2	432.4	3.49	4.00	3.25	YES NO
L0001703	0	0.27410E-07	482421.6	3734733.8	432.4	3.49	4.00	3.25	YES NO
L0001704	0	0.27410E-07	482421.5	3734742.4	432.4	3.49	4.00	3.25	YES NO
L0001705	0	0.27410E-07	482421.3	3734751.0	432.4	3.49	4.00	3.25	YES NO
L0001706	0	0.27410E-07	482421.2	3734759.6	432.4	3.49	4.00	3.25	YES NO
L0001707	0	0.27410E-07	482421.0	3734768.1	432.4	3.49	4.00	3.25	YES NO
L0001708	0	0.27410E-07	482420.9	3734776.7	432.4	3.49	4.00	3.25	YES NO
L0001709	0	0.27410E-07	482420.8	3734785.3	432.4	3.49	4.00	3.25	YES NO
L0001710	0	0.27410E-07	482420.6	3734793.9	432.4	3.49	4.00	3.25	YES NO
L0001711	0	0.27410E-07	482420.4	3734802.5	432.4	3.49	4.00	3.25	YES NO
L0001712	0	0.27410E-07	482419.7	3734811.1	432.3	3.49	4.00	3.25	YES NO
L0001713	0	0.27410E-07	482418.9	3734819.6	432.3	3.49	4.00	3.25	YES NO
L0001714	0	0.27410E-07	482418.2	3734828.2	432.3	3.49	4.00	3.25	YES NO
L0001715	0	0.27410E-07	482416.6	3734836.6	432.2	3.49	4.00	3.25	

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 YES                   NO
 L0001716         0   0.27410E-07  482414.3 3734844.8   432.4     3.49     4.00     3.25
 YES                   NO
 L0001717         0   0.27410E-07  482412.0 3734853.1   432.6     3.49     4.00     3.25
 YES                   NO
 L0001718         0   0.27410E-07  482409.6 3734861.4   432.9     3.49     4.00     3.25
 YES                   NO
 L0001719         0   0.27410E-07  482407.2 3734869.6   433.0     3.49     4.00     3.25
 YES                   NO
 L0001720         0   0.27410E-07  482403.6 3734877.4   433.0     3.49     4.00     3.25
 YES                   NO
 L0001721         0   0.27410E-07  482399.9 3734885.2   433.0     3.49     4.00     3.25
 YES                   NO
 L0001722         0   0.27410E-07  482396.3 3734893.0   433.0     3.49     4.00     3.25
 YES                   NO
 L0001723         0   0.27410E-07  482392.7 3734900.8   433.0     3.49     4.00     3.25
 YES                   NO
 L0001724         0   0.27410E-07  482389.1 3734908.6   433.0     3.49     4.00     3.25
 YES                   NO
 L0001725         0   0.27410E-07  482384.7 3734915.9   433.0     3.49     4.00     3.25
 YES                   NO
 L0001726         0   0.27410E-07  482379.5 3734922.7   433.0     3.49     4.00     3.25
 YES                   NO
 L0001727         0   0.27410E-07  482374.3 3734929.5   432.8     3.49     4.00     3.25
 YES                   NO
 L0001728         0   0.27410E-07  482369.0 3734936.3   432.6     3.49     4.00     3.25
 YES                   NO
 L0001729         0   0.27410E-07  482363.8 3734943.2   432.5     3.49     4.00     3.25
 YES                   NO
 L0001730         0   0.27410E-07  482357.9 3734949.4   432.3     3.49     4.00     3.25
 YES                   NO
 L0001731         0   0.27410E-07  482351.7 3734955.3   432.1     3.49     4.00     3.25
 YES                   NO
 L0001732         0   0.27410E-07  482345.6 3734961.3   432.0     3.49     4.00     3.25
 YES                   NO
 L0001733         0   0.27410E-07  482339.1 3734967.0   432.0     3.49     4.00     3.25
 YES                   NO
 L0001734         0   0.27410E-07  482332.2 3734972.1   432.0     3.49     4.00     3.25
 YES                   NO
 L0001735         0   0.27410E-07  482325.4 3734977.3   432.0     3.49     4.00     3.25
 YES                   NO
 L0001736         0   0.27410E-07  482318.5 3734982.4   432.0     3.49     4.00     3.25
 YES                   NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   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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 L0001737         0   0.27410E-07  482311.6 3734987.5   432.0     3.49     4.00     3.25
 YES                   NO
 L0001738         0   0.27410E-07  482304.7 3734992.7   432.0     3.49     4.00     3.25
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YES		NO						
L0001739	0	0.27410E-07	482297.8	3734997.8	432.0	3.49	4.00	3.25
YES		NO						
L0001740	0	0.27410E-07	482291.0	3735003.0	432.0	3.49	4.00	3.25
YES		NO						
L0001741	0	0.27410E-07	482284.1	3735008.1	432.0	3.49	4.00	3.25
YES		NO						
L0001742	0	0.27410E-07	482277.2	3735013.3	432.0	3.49	4.00	3.25
YES		NO						
L0001743	0	0.27410E-07	482270.3	3735018.4	432.0	3.49	4.00	3.25
YES		NO						
L0001744	0	0.27410E-07	482263.4	3735023.5	432.0	3.49	4.00	3.25
YES		NO						
L0001745	0	0.27410E-07	482256.5	3735028.6	432.0	3.49	4.00	3.25
YES		NO						
L0001746	0	0.27410E-07	482249.5	3735033.6	432.0	3.49	4.00	3.25
YES		NO						
L0001747	0	0.27410E-07	482242.6	3735038.7	432.0	3.49	4.00	3.25
YES		NO						
L0001748	0	0.27410E-07	482235.6	3735043.8	432.0	3.49	4.00	3.25
YES		NO						
L0001749	0	0.27410E-07	482228.7	3735048.8	432.0	3.49	4.00	3.25
YES		NO						
L0001750	0	0.27410E-07	482221.8	3735053.9	431.9	3.49	4.00	3.25
YES		NO						
L0001751	0	0.27410E-07	482214.8	3735058.9	431.8	3.49	4.00	3.25
YES		NO						
L0001752	0	0.27410E-07	482207.9	3735064.0	431.6	3.49	4.00	3.25
YES		NO						
L0001753	0	0.27410E-07	482200.9	3735069.1	431.3	3.49	4.00	3.25
YES		NO						
L0001754	0	0.27410E-07	482194.0	3735074.1	431.1	3.49	4.00	3.25
YES		NO						
L0001755	0	0.27410E-07	482187.1	3735079.2	431.0	3.49	4.00	3.25
YES		NO						
L0001756	0	0.27410E-07	482180.1	3735084.2	431.0	3.49	4.00	3.25
YES		NO						
L0001757	0	0.27410E-07	482173.2	3735089.3	431.0	3.49	4.00	3.25
YES		NO						
L0001758	0	0.27410E-07	482166.2	3735094.4	431.0	3.49	4.00	3.25
YES		NO						
L0001759	0	0.27410E-07	482159.3	3735099.4	431.0	3.49	4.00	3.25
YES		NO						
L0001760	0	0.27410E-07	482152.3	3735104.5	431.0	3.49	4.00	3.25
YES		NO						
L0001761	0	0.27410E-07	482145.4	3735109.5	431.0	3.49	4.00	3.25
YES		NO						
L0001762	0	0.27410E-07	482138.5	3735114.6	431.0	3.49	4.00	3.25
YES		NO						
L0001763	0	0.27410E-07	482131.5	3735119.6	431.0	3.49	4.00	3.25
YES		NO						
L0001764	0	0.27410E-07	482124.6	3735124.7	431.0	3.49	4.00	3.25
YES		NO						
L0001765	0	0.27410E-07	482117.6	3735129.7	431.0	3.49	4.00	3.25
YES		NO						
L0001766	0	0.27410E-07	482110.7	3735134.8	431.0	3.49	4.00	3.25
YES		NO						
L0001767	0	0.27410E-07	482103.7	3735139.8	431.0	3.49	4.00	3.25
YES		NO						
L0001768	0	0.27410E-07	482096.8	3735144.9	431.0	3.49	4.00	3.25
YES		NO						
L0001769	0	0.27410E-07	482089.8	3735149.9	431.0	3.49	4.00	3.25
YES		NO						
L0001770	0	0.27410E-07	482082.9	3735155.0	431.0	3.49	4.00	3.25
YES		NO						
L0001771	0	0.27410E-07	482075.9	3735160.0	431.0	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0001772	0	0.27410E-07	482069.0	3735165.1	431.0	3.49	4.00	3.25	YES
L0001773	0	0.27410E-07	482062.0	3735170.1	431.0	3.49	4.00	3.25	YES
L0001774	0	0.27410E-07	482055.1	3735175.2	431.0	3.49	4.00	3.25	YES
L0001775	0	0.27410E-07	482048.1	3735180.2	431.0	3.49	4.00	3.25	YES
L0001776	0	0.27410E-07	482041.2	3735185.3	431.0	3.49	4.00	3.25	YES
L0001777	0	0.27410E-07	482034.2	3735190.3	431.0	3.49	4.00	3.25	YES
L0001778	0	0.27410E-07	482027.3	3735195.4	431.0	3.49	4.00	3.25	YES
L0001779	0	0.27410E-07	482020.3	3735200.4	431.0	3.49	4.00	3.25	YES
L0001780	0	0.27410E-07	482013.4	3735205.4	431.0	3.49	4.00	3.25	YES
L0001781	0	0.27410E-07	482006.4	3735210.5	431.0	3.49	4.00	3.25	YES
L0001782	0	0.27410E-07	481999.5	3735215.5	431.0	3.49	4.00	3.25	YES
L0001783	0	0.27410E-07	481992.5	3735220.6	431.0	3.49	4.00	3.25	YES
L0001784	0	0.27410E-07	481985.6	3735225.7	431.0	3.49	4.00	3.25	YES
L0001785	0	0.27410E-07	481978.7	3735230.8	431.0	3.49	4.00	3.25	YES
L0001786	0	0.27410E-07	481971.8	3735235.9	431.0	3.49	4.00	3.25	YES
L0001787	0	0.27410E-07	481964.8	3735241.0	431.0	3.49	4.00	3.25	YES
L0001788	0	0.27410E-07	481957.9	3735246.1	431.0	3.49	4.00	3.25	YES
L0001789	0	0.27410E-07	481951.0	3735251.2	431.0	3.49	4.00	3.25	YES
L0001790	0	0.27410E-07	481944.1	3735256.3	431.0	3.49	4.00	3.25	YES
L0001791	0	0.27410E-07	481937.2	3735261.4	431.0	3.49	4.00	3.25	YES
L0001792	0	0.27410E-07	481930.3	3735266.5	431.0	3.49	4.00	3.25	YES
L0001793	0	0.27410E-07	481923.4	3735271.6	431.0	3.49	4.00	3.25	YES
L0001794	0	0.27410E-07	481916.5	3735276.7	431.0	3.49	4.00	3.25	NO

YES NO
L0001795 0 0.27410E-07 481909.6 3735281.8 431.0 3.49 4.00 3.25
YES NO
L0001796 0 0.27410E-07 481902.7 3735286.9 431.0 3.49 4.00 3.25
YES NO
L0001797 0 0.27410E-07 481895.8 3735292.0 431.0 3.49 4.00 3.25
YES NO
L0001798 0 0.27410E-07 481893.9 3735295.7 431.0 3.49 4.00 3.25
YES NO
L0001799 0 0.27410E-07 481902.4 3735296.6 431.0 3.49 4.00 3.25
YES NO
L0001800 0 0.27410E-07 481911.0 3735297.4 431.0 3.49 4.00 3.25
YES NO
L0001801 0 0.27410E-07 481919.5 3735298.2 431.0 3.49 4.00 3.25
YES NO
L0001802 0 0.27410E-07 481928.1 3735299.1 431.0 3.49 4.00 3.25
YES NO
L0001803 0 0.27410E-07 481936.6 3735299.9 431.0 3.49 4.00 3.25
YES NO
L0001804 0 0.27410E-07 481945.2 3735300.7 431.0 3.49 4.00 3.25
YES NO
L0001805 0 0.27410E-07 481953.5 3735302.8 431.0 3.49 4.00 3.25
YES NO
L0001806 0 0.27410E-07 481961.8 3735305.1 431.0 3.49 4.00 3.25
YES NO
L0001807 0 0.27410E-07 481970.1 3735307.3 431.0 3.49 4.00 3.25
YES NO
L0001808 0 0.27410E-07 481978.4 3735309.6 431.0 3.49 4.00 3.25
YES NO
L0001809 0 0.27410E-07 481986.9 3735310.4 431.0 3.49 4.00 3.25
YES NO
L0001810 0 0.27410E-07 481995.5 3735310.9 431.0 3.49 4.00 3.25
YES NO
L0001811 0 0.27410E-07 482004.0 3735311.4 431.0 3.49 4.00 3.25
YES NO
L0001812 0 0.27410E-07 482012.6 3735311.9 431.0 3.49 4.00 3.25
YES NO
L0001813 0 0.27410E-07 482021.2 3735312.4 431.0 3.49 4.00 3.25
YES NO
L0001814 0 0.27410E-07 482028.5 3735309.4 431.0 3.49 4.00 3.25
YES NO
L0001815 0 0.27410E-07 482035.0 3735303.7 431.0 3.49 4.00 3.25
YES NO
L0001816 0 0.27410E-07 482041.4 3735298.0 431.0 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0001817	0	0.27410E-07	482047.8	3735292.3	431.0	3.49	4.00	3.25

YES		NO						
L0001818	0	0.27410E-07	482054.3	3735286.6	431.0	3.49	4.00	3.25
YES		NO						
L0001819	0	0.27410E-07	482060.7	3735280.9	431.0	3.49	4.00	3.25
YES		NO						
L0001820	0	0.27410E-07	482067.2	3735275.3	431.0	3.49	4.00	3.25
YES		NO						
L0001821	0	0.27410E-07	482073.6	3735269.6	431.0	3.49	4.00	3.25
YES		NO						
L0001822	0	0.27410E-07	482080.0	3735263.9	431.0	3.49	4.00	3.25
YES		NO						
L0001823	0	0.27410E-07	482086.5	3735258.2	431.0	3.49	4.00	3.25
YES		NO						
L0001824	0	0.27410E-07	482092.9	3735252.5	431.0	3.49	4.00	3.25
YES		NO						
L0001825	0	0.27410E-07	482099.4	3735246.8	431.0	3.49	4.00	3.25
YES		NO						
L0001826	0	0.27410E-07	482105.8	3735241.2	431.0	3.49	4.00	3.25
YES		NO						
L0001827	0	0.27410E-07	482112.1	3735235.3	431.0	3.49	4.00	3.25
YES		NO						
L0001828	0	0.27410E-07	482118.3	3735229.3	431.0	3.49	4.00	3.25
YES		NO						
L0001829	0	0.27410E-07	482124.5	3735223.4	431.0	3.49	4.00	3.25
YES		NO						
L0001830	0	0.27410E-07	482130.7	3735217.5	431.0	3.49	4.00	3.25
YES		NO						
L0001831	0	0.27410E-07	482136.9	3735211.5	431.0	3.49	4.00	3.25
YES		NO						
L0001832	0	0.27410E-07	482143.1	3735205.6	431.0	3.49	4.00	3.25
YES		NO						
L0001833	0	0.27410E-07	482149.3	3735199.6	431.0	3.49	4.00	3.25
YES		NO						
L0001834	0	0.27410E-07	482155.4	3735193.6	431.0	3.49	4.00	3.25
YES		NO						
L0001835	0	0.27410E-07	482161.6	3735187.6	431.0	3.49	4.00	3.25
YES		NO						
L0001836	0	0.27410E-07	482168.0	3735181.9	431.0	3.49	4.00	3.25
YES		NO						
L0001837	0	0.27410E-07	482174.8	3735176.7	431.0	3.49	4.00	3.25
YES		NO						
L0001838	0	0.27410E-07	482181.6	3735171.4	431.0	3.49	4.00	3.25
YES		NO						
L0001839	0	0.27410E-07	482188.4	3735166.2	431.0	3.49	4.00	3.25
YES		NO						
L0001840	0	0.27410E-07	482195.6	3735161.7	431.0	3.49	4.00	3.25
YES		NO						
L0001841	0	0.27410E-07	482203.5	3735158.3	431.0	3.49	4.00	3.25
YES		NO						
L0001842	0	0.27410E-07	482211.4	3735154.9	431.1	3.49	4.00	3.25
YES		NO						
L0001843	0	0.27410E-07	482219.3	3735151.5	431.3	3.49	4.00	3.25
YES		NO						
L0001844	0	0.27410E-07	482227.8	3735149.9	431.5	3.49	4.00	3.25
YES		NO						
L0001845	0	0.27410E-07	482236.2	3735148.3	431.7	3.49	4.00	3.25
YES		NO						
L0001846	0	0.27410E-07	482244.6	3735146.7	431.8	3.49	4.00	3.25
YES		NO						
L0001847	0	0.27410E-07	482253.1	3735145.6	431.9	3.49	4.00	3.25
YES		NO						
L0001848	0	0.27410E-07	482261.7	3735145.6	432.0	3.49	4.00	3.25
YES		NO						
L0001849	0	0.27410E-07	482270.3	3735145.6	432.0	3.49	4.00	3.25
YES		NO						
L0001850	0	0.27410E-07	482278.9	3735145.6	432.0	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0001851	0	0.27410E-07	NO	482287.5	3735145.6	432.0	3.49	4.00	3.25
YES									
L0001852	0	0.27410E-07	NO	482296.1	3735145.5	432.0	3.49	4.00	3.25
YES									
L0001853	0	0.27410E-07	NO	482304.7	3735145.5	432.0	3.49	4.00	3.25
YES									
L0001854	0	0.27410E-07	NO	482313.2	3735145.5	432.0	3.49	4.00	3.25
YES									
L0001855	0	0.27410E-07	NO	482321.8	3735145.5	432.0	3.49	4.00	3.25
YES									
L0001856	0	0.27410E-07	NO	482330.4	3735145.5	432.0	3.49	4.00	3.25
YES									
L0001857	0	0.27410E-07	NO	482339.0	3735145.4	432.0	3.49	4.00	3.25
YES									
L0001858	0	0.27410E-07	NO	482347.6	3735145.4	432.0	3.49	4.00	3.25
YES									
L0001859	0	0.44720E-07	NO	482419.6	3734477.6	433.0	3.49	6.51	3.25
YES									
L0001860	0	0.44720E-07	NO	482419.2	3734463.7	433.0	3.49	6.51	3.25
YES									
L0001861	0	0.44720E-07	NO	482418.9	3734449.7	433.0	3.49	6.51	3.25
YES									
L0001862	0	0.44720E-07	NO	482418.5	3734435.7	433.0	3.49	6.51	3.25
YES									
L0001863	0	0.44720E-07	NO	482418.2	3734421.7	433.0	3.49	6.51	3.25
YES									
L0001864	0	0.44720E-07	NO	482417.8	3734407.7	433.0	3.49	6.51	3.25
YES									
L0001865	0	0.44720E-07	NO	482417.5	3734393.7	433.0	3.49	6.51	3.25
YES									
L0001866	0	0.44720E-07	NO	482417.1	3734379.7	433.0	3.49	6.51	3.25
YES									
L0001867	0	0.44720E-07	NO	482416.8	3734365.7	433.0	3.49	6.51	3.25
YES									
L0001868	0	0.44720E-07	NO	482416.2	3734351.7	433.0	3.49	6.51	3.25
YES									
L0001869	0	0.44720E-07	NO	482415.4	3734337.7	433.0	3.49	6.51	3.25
YES									
L0001870	0	0.44720E-07	NO	482414.5	3734323.7	433.0	3.49	6.51	3.25
YES									
L0001871	0	0.44720E-07	NO	482413.7	3734309.8	433.0	3.49	6.51	3.25
YES									
L0001872	0	0.44720E-07	NO	482412.9	3734295.8	433.0	3.49	6.51	3.25
YES									
L0001873	0	0.44720E-07	NO	482412.1	3734281.8	433.0	3.49	6.51	3.25

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 YES                  NO
 L0001874         0   0.44720E-07  482411.3 3734267.8   433.0     3.49     6.51     3.25
 YES                  NO
 L0001875         0   0.44720E-07  482410.5 3734253.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001876         0   0.44720E-07  482410.2 3734239.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001877         0   0.44720E-07  482410.1 3734225.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001878         0   0.44720E-07  482410.0 3734211.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001879         0   0.44720E-07  482409.9 3734197.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001880         0   0.44720E-07  482409.8 3734183.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001881         0   0.44720E-07  482409.7 3734169.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001882         0   0.44720E-07  482408.9 3734155.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001883         0   0.44720E-07  482408.1 3734141.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001884         0   0.44720E-07  482407.3 3734127.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0001885         0   0.44720E-07  482406.5 3734114.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0001886         0   0.44720E-07  482405.6 3734100.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0001887         0   0.44720E-07  482404.8 3734086.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0001888         0   0.44720E-07  482404.0 3734072.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0001889         0   0.44720E-07  482402.9 3734058.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0001890         0   0.44720E-07  482401.8 3734044.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0001891         0   0.44720E-07  482400.6 3734030.2   433.0     3.49     6.51     3.25
 YES                  NO
 L0001892         0   0.44720E-07  482399.5 3734016.2   433.0     3.49     6.51     3.25
 YES                  NO
 L0001893         0   0.44720E-07  482398.4 3734002.3   433.0     3.49     6.51     3.25
 YES                  NO
 L0001894         0   0.44720E-07  482396.6 3733988.4   433.0     3.49     6.51     3.25
 YES                  NO
 L0001895         0   0.44720E-07  482394.8 3733974.5   433.0     3.49     6.51     3.25
 YES                  NO
 L0001896         0   0.44720E-07  482393.1 3733960.6   433.0     3.49     6.51     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   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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L0001897	0	0.44720E-07	482391.3	3733946.7	433.0	3.49	6.51	3.25
YES		NO						
L0001898	0	0.44720E-07	482389.6	3733932.8	433.0	3.49	6.51	3.25
YES		NO						
L0001899	0	0.44720E-07	482387.9	3733918.9	433.0	3.49	6.51	3.25
YES		NO						
L0001900	0	0.44720E-07	482385.5	3733905.1	433.0	3.49	6.51	3.25
YES		NO						
L0001901	0	0.44720E-07	482382.4	3733891.5	433.0	3.49	6.51	3.25
YES		NO						
L0001902	0	0.44720E-07	482379.2	3733877.9	433.0	3.49	6.51	3.25
YES		NO						
L0001903	0	0.44720E-07	482374.4	3733864.7	433.0	3.49	6.51	3.25
YES		NO						
L0001904	0	0.44720E-07	482369.4	3733851.7	433.0	3.49	6.51	3.25
YES		NO						
L0001905	0	0.44720E-07	482360.5	3733840.8	433.0	3.49	6.51	3.25
YES		NO						
L0001906	0	0.44720E-07	482351.7	3733830.0	433.0	3.49	6.51	3.25
YES		NO						
L0001907	0	0.44720E-07	482342.5	3733819.4	433.0	3.49	6.51	3.25
YES		NO						
L0001908	0	0.44720E-07	482333.2	3733808.9	433.0	3.49	6.51	3.25
YES		NO						
L0001909	0	0.44720E-07	482321.5	3733801.5	433.0	3.49	6.51	3.25
YES		NO						
L0001910	0	0.44720E-07	482308.9	3733795.4	433.0	3.49	6.51	3.25
YES		NO						
L0001911	0	0.44720E-07	482295.6	3733791.3	433.0	3.49	6.51	3.25
YES		NO						
L0001912	0	0.44720E-07	482282.2	3733787.1	433.0	3.49	6.51	3.25
YES		NO						
L0001913	0	0.44720E-07	482268.4	3733784.8	433.0	3.49	6.51	3.25
YES		NO						
L0001914	0	0.44720E-07	482254.6	3733782.7	433.0	3.49	6.51	3.25
YES		NO						
L0001915	0	0.44720E-07	482240.9	3733779.6	433.0	3.49	6.51	3.25
YES		NO						
L0001916	0	0.44720E-07	482227.4	3733776.0	433.0	3.49	6.51	3.25
YES		NO						
L0001917	0	0.44720E-07	482213.8	3733772.5	433.0	3.49	6.51	3.25
YES		NO						
L0001918	0	0.44720E-07	482200.5	3733768.6	433.0	3.49	6.51	3.25
YES		NO						
L0001919	0	0.44720E-07	482187.9	3733762.3	433.0	3.49	6.51	3.25
YES		NO						
L0001920	0	0.44720E-07	482175.4	3733756.0	433.0	3.49	6.51	3.25
YES		NO						
L0001921	0	0.44720E-07	482164.1	3733747.9	433.0	3.49	6.51	3.25
YES		NO						
L0001922	0	0.44720E-07	482153.1	3733739.2	433.0	3.49	6.51	3.25
YES		NO						
L0001923	0	0.44720E-07	482142.2	3733730.5	433.0	3.49	6.51	3.25
YES		NO						
L0001924	0	0.44720E-07	482137.8	3733717.6	433.0	3.49	6.51	3.25
YES		NO						
L0001925	0	0.44720E-07	482134.7	3733703.9	433.0	3.49	6.51	3.25
YES		NO						
L0001926	0	0.44720E-07	482133.9	3733690.1	433.0	3.49	6.51	3.25
YES		NO						
L0001927	0	0.44720E-07	482139.3	3733681.0	433.0	3.49	6.51	3.25
YES		NO						
L0001928	0	0.44720E-07	482153.3	3733680.5	433.0	3.49	6.51	3.25
YES		NO						
L0001929	0	0.44720E-07	482167.3	3733680.1	433.0	3.49	6.51	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE SCALAR VARY BY
L0001930	0	0.44720E-07	482181.3	3733679.7	433.0	3.49	6.51	3.25	YES
L0001931	0	0.44720E-07	482195.3	3733679.3	433.0	3.49	6.51	3.25	YES
L0001932	0	0.44720E-07	482209.3	3733678.8	433.0	3.49	6.51	3.25	YES
L0001933	0	0.44720E-07	482223.3	3733678.4	433.0	3.49	6.51	3.25	YES
L0001934	0	0.44720E-07	482237.3	3733678.0	433.0	3.49	6.51	3.25	YES
L0001935	0	0.44720E-07	482251.2	3733677.6	433.0	3.49	6.51	3.25	YES
L0001936	0	0.44720E-07	482265.2	3733677.1	433.0	3.49	6.51	3.25	YES
L0001937	0	0.44720E-07	482279.2	3733676.7	433.0	3.49	6.51	3.25	YES
L0001938	0	0.44720E-07	482293.2	3733676.3	433.0	3.49	6.51	3.25	YES
L0001939	0	0.44720E-07	482307.2	3733675.9	433.0	3.49	6.51	3.25	YES
L0001940	0	0.44720E-07	482321.2	3733675.4	433.0	3.49	6.51	3.25	YES
L0001941	0	0.44720E-07	482335.2	3733675.0	433.4	3.49	6.51	3.25	YES
L0001942	0	0.44720E-07	482349.2	3733674.8	433.7	3.49	6.51	3.25	YES
L0001943	0	0.44720E-07	482363.2	3733674.7	433.8	3.49	6.51	3.25	YES
L0001944	0	0.44720E-07	482377.2	3733674.6	434.0	3.49	6.51	3.25	YES
L0001945	0	0.44720E-07	482391.2	3733674.5	434.0	3.49	6.51	3.25	YES
L0001946	0	0.44720E-07	482405.2	3733674.5	434.0	3.49	6.51	3.25	YES
L0001947	0	0.44720E-07	482419.2	3733674.4	434.0	3.49	6.51	3.25	YES
L0001948	0	0.44720E-07	482433.2	3733674.3	434.0	3.49	6.51	3.25	YES
L0001949	0	0.44720E-07	482447.2	3733674.2	434.0	3.49	6.51	3.25	YES
L0001950	0	0.44720E-07	482461.2	3733674.1	434.0	3.49	6.51	3.25	YES
L0001951	0	0.44720E-07	482475.2	3733674.1	434.0	3.49	6.51	3.25	YES
L0001952	0	0.44720E-07	482489.2	3733674.0	434.0	3.49	6.51	3.25	YES

YES		NO						
L0001953	0	0.44720E-07	482503.2	3733673.9	434.0	3.49	6.51	3.25
YES		NO						
L0001954	0	0.44720E-07	482517.2	3733673.8	434.0	3.49	6.51	3.25
YES		NO						
L0001955	0	0.44720E-07	482531.2	3733673.8	434.0	3.49	6.51	3.25
YES		NO						
L0001956	0	0.44720E-07	482545.2	3733673.7	434.0	3.49	6.51	3.25
YES		NO						
L0001957	0	0.44720E-07	482559.2	3733673.6	434.0	3.49	6.51	3.25
YES		NO						
L0001958	0	0.13650E-06	482120.9	3734181.2	433.0	3.49	4.00	3.25
YES		NO						
L0001959	0	0.13650E-06	482129.5	3734181.2	433.0	3.49	4.00	3.25
YES		NO						
L0001960	0	0.13650E-06	482085.3	3733965.7	433.0	3.49	4.00	3.25
YES		NO						
L0001961	0	0.13650E-06	482093.8	3733965.7	433.0	3.49	4.00	3.25
YES		NO						
L0001962	0	0.26490E-08	482124.9	3734198.4	433.0	3.49	4.00	3.25
YES		NO						
L0001963	0	0.26490E-08	482125.1	3734207.0	433.0	3.49	4.00	3.25
YES		NO						
L0001964	0	0.26490E-08	482125.4	3734215.5	433.0	3.49	4.00	3.25
YES		NO						
L0001965	0	0.26490E-08	482125.6	3734224.1	433.0	3.49	4.00	3.25
YES		NO						
L0001966	0	0.26490E-08	482129.8	3734228.7	433.0	3.49	4.00	3.25
YES		NO						
L0001967	0	0.26490E-08	482138.4	3734228.7	433.0	3.49	4.00	3.25
YES		NO						
L0001968	0	0.26490E-08	482147.0	3734228.7	433.0	3.49	4.00	3.25
YES		NO						
L0001969	0	0.26490E-08	482155.5	3734228.7	433.0	3.49	4.00	3.25
YES		NO						
L0001970	0	0.26490E-08	482164.1	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001971	0	0.26490E-08	482172.7	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001972	0	0.26490E-08	482181.3	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001973	0	0.26490E-08	482189.9	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001974	0	0.26490E-08	482198.5	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001975	0	0.26490E-08	482207.1	3734228.6	433.0	3.49	4.00	3.25
YES		NO						
L0001976	0	0.26490E-08	482215.7	3734228.6	433.0	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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L0001977	0	0.26490E-08	482224.3	3734228.6	433.0	3.49	4.00	3.25	YES	NO
L0001978	0	0.26490E-08	482232.9	3734228.6	433.0	3.49	4.00	3.25	YES	NO
L0001979	0	0.26490E-08	482241.4	3734228.6	433.0	3.49	4.00	3.25	YES	NO
L0001980	0	0.26490E-08	482250.0	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001981	0	0.26490E-08	482258.6	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001982	0	0.26490E-08	482267.2	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001983	0	0.26490E-08	482275.8	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001984	0	0.26490E-08	482284.4	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001985	0	0.26490E-08	482293.0	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001986	0	0.26490E-08	482301.6	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001987	0	0.26490E-08	482310.2	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001988	0	0.26490E-08	482318.8	3734228.5	433.0	3.49	4.00	3.25	YES	NO
L0001989	0	0.26490E-08	482327.3	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001990	0	0.26490E-08	482335.9	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001991	0	0.26490E-08	482344.5	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001992	0	0.26490E-08	482353.1	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001993	0	0.26490E-08	482361.7	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001994	0	0.26490E-08	482370.3	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001995	0	0.26490E-08	482378.9	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001996	0	0.26490E-08	482387.5	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001997	0	0.26490E-08	482396.1	3734228.4	433.0	3.49	4.00	3.25	YES	NO
L0001998	0	0.26680E-08	482090.9	3733985.3	433.0	3.49	4.00	3.25	YES	NO
L0001999	0	0.26680E-08	482082.3	3733985.3	433.0	3.49	4.00	3.25	YES	NO
L0002000	0	0.26680E-08	482074.9	3733984.2	433.0	3.49	4.00	3.25	YES	NO
L0002001	0	0.26680E-08	482074.9	3733975.6	433.0	3.49	4.00	3.25	YES	NO
L0002002	0	0.26680E-08	482075.0	3733967.1	433.0	3.49	4.00	3.25	YES	NO
L0002003	0	0.26680E-08	482075.0	3733958.5	433.0	3.49	4.00	3.25	YES	NO
L0002004	0	0.26680E-08	482075.1	3733949.9	433.0	3.49	4.00	3.25	YES	NO
L0002005	0	0.26680E-08	482075.1	3733941.3	433.0	3.49	4.00	3.25	YES	NO
L0002006	0	0.26680E-08	482075.2	3733932.7	433.0	3.49	4.00	3.25	YES	NO
L0002007	0	0.26680E-08	482075.2	3733924.1	433.0	3.49	4.00	3.25	YES	NO
L0002008	0	0.26680E-08	482075.3	3733915.5	433.0	3.49	4.00	3.25		

YES NO
L0002009 0 0.26680E-08 482075.3 3733906.9 433.0 3.49 4.00 3.25
YES NO
L0002010 0 0.26680E-08 482075.4 3733898.3 433.0 3.49 4.00 3.25
YES NO
L0002011 0 0.26680E-08 482075.4 3733889.7 433.0 3.49 4.00 3.25
YES NO
L0002012 0 0.26680E-08 482075.5 3733881.2 433.0 3.49 4.00 3.25
YES NO
L0002013 0 0.26680E-08 482074.7 3733872.7 433.0 3.49 4.00 3.25
YES NO
L0002014 0 0.26680E-08 482072.7 3733864.3 433.0 3.49 4.00 3.25
YES NO
L0002015 0 0.26680E-08 482071.1 3733855.9 433.0 3.49 4.00 3.25
YES NO
L0002016 0 0.26680E-08 482071.0 3733847.3 433.0 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002017	0	0.26680E-08	482070.8	3733838.7	433.0	3.49	4.00	3.25
YES		NO						
L0002018	0	0.26680E-08	482070.7	3733830.1	433.0	3.49	4.00	3.25
YES		NO						
L0002019	0	0.26680E-08	482070.6	3733821.6	433.0	3.49	4.00	3.25
YES		NO						
L0002020	0	0.26680E-08	482070.5	3733813.0	433.0	3.49	4.00	3.25
YES		NO						
L0002021	0	0.26680E-08	482070.3	3733804.4	433.0	3.49	4.00	3.25
YES		NO						
L0002022	0	0.26680E-08	482070.2	3733795.8	433.0	3.49	4.00	3.25
YES		NO						
L0002023	0	0.26680E-08	482070.1	3733787.2	433.0	3.49	4.00	3.25
YES		NO						
L0002024	0	0.26680E-08	482070.0	3733778.6	433.0	3.49	4.00	3.25
YES		NO						
L0002025	0	0.26680E-08	482069.8	3733770.0	433.0	3.49	4.00	3.25
YES		NO						
L0002026	0	0.26680E-08	482069.7	3733761.4	433.0	3.49	4.00	3.25
YES		NO						
L0002027	0	0.26680E-08	482069.6	3733752.8	433.0	3.49	4.00	3.25
YES		NO						
L0002028	0	0.26680E-08	482069.4	3733744.3	433.0	3.49	4.00	3.25
YES		NO						
L0002029	0	0.26680E-08	482069.3	3733735.7	433.0	3.49	4.00	3.25
YES		NO						
L0002030	0	0.26680E-08	482069.2	3733727.1	433.0	3.49	4.00	3.25
YES		NO						
L0002031	0	0.26680E-08	482069.1	3733718.5	433.0	3.49	4.00	3.25

YES NO
L0002032 0 0.26680E-08 482068.9 3733709.9 433.0 3.49 4.00 3.25
YES NO
L0002033 0 0.26680E-08 482068.8 3733701.3 433.0 3.49 4.00 3.25
YES NO
L0002034 0 0.18860E-08 482075.0 3733680.4 433.0 3.49 6.51 3.25
YES NO
L0002035 0 0.18860E-08 482089.0 3733680.2 433.0 3.49 6.51 3.25
YES NO
L0002036 0 0.18860E-08 482103.0 3733680.0 433.0 3.49 6.51 3.25
YES NO
L0002037 0 0.18860E-08 482117.0 3733679.8 433.0 3.49 6.51 3.25
YES NO
L0002038 0 0.18860E-08 482131.0 3733679.6 433.0 3.49 6.51 3.25
YES NO
L0002039 0 0.18860E-08 482145.0 3733679.4 433.0 3.49 6.51 3.25
YES NO
L0002040 0 0.18860E-08 482159.0 3733679.2 433.0 3.49 6.51 3.25
YES NO
L0002041 0 0.18860E-08 482173.0 3733679.0 433.0 3.49 6.51 3.25
YES NO
L0002042 0 0.18860E-08 482187.0 3733678.8 433.0 3.49 6.51 3.25
YES NO
L0002043 0 0.18860E-08 482201.0 3733678.6 433.0 3.49 6.51 3.25
YES NO
L0002044 0 0.18860E-08 482215.0 3733678.4 433.0 3.49 6.51 3.25
YES NO
L0002045 0 0.18860E-08 482229.0 3733678.2 433.0 3.49 6.51 3.25
YES NO
L0002046 0 0.18860E-08 482243.0 3733678.0 433.0 3.49 6.51 3.25
YES NO
L0002047 0 0.18860E-08 482257.0 3733677.8 433.0 3.49 6.51 3.25
YES NO
L0002048 0 0.18860E-08 482271.0 3733677.6 433.0 3.49 6.51 3.25
YES NO
L0002049 0 0.18860E-08 482285.0 3733677.4 433.0 3.49 6.51 3.25
YES NO
L0002050 0 0.18860E-08 482299.0 3733677.1 433.0 3.49 6.51 3.25
YES NO
L0002051 0 0.18860E-08 482313.0 3733676.9 433.0 3.49 6.51 3.25
YES NO
L0002052 0 0.18860E-08 482327.0 3733676.7 433.2 3.49 6.51 3.25
YES NO
L0002053 0 0.18860E-08 482341.0 3733676.5 433.4 3.49 6.51 3.25
YES NO
L0002054 0 0.18860E-08 482355.0 3733676.3 433.7 3.49 6.51 3.25
YES NO
L0002055 0 0.18860E-08 482369.0 3733676.1 433.9 3.49 6.51 3.25
YES NO
L0002056 0 0.18860E-08 482383.0 3733675.9 434.0 3.49 6.51 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0002057	0	0.18860E-08	482397.0	3733675.7	434.0	3.49	6.51	3.25	YES	NO
L0002058	0	0.18860E-08	482411.0	3733675.5	434.0	3.49	6.51	3.25	YES	NO
L0002059	0	0.18860E-08	482425.0	3733675.3	434.0	3.49	6.51	3.25	YES	NO
L0002060	0	0.18860E-08	482439.0	3733675.1	434.0	3.49	6.51	3.25	YES	NO
L0002061	0	0.18860E-08	482453.0	3733674.9	434.0	3.49	6.51	3.25	YES	NO
L0002062	0	0.18860E-08	482467.0	3733674.7	434.0	3.49	6.51	3.25	YES	NO
L0002063	0	0.18860E-08	482481.0	3733674.5	434.0	3.49	6.51	3.25	YES	NO
L0002064	0	0.18860E-08	482495.0	3733674.3	434.0	3.49	6.51	3.25	YES	NO
L0002065	0	0.18860E-08	482509.0	3733674.1	434.0	3.49	6.51	3.25	YES	NO
L0002066	0	0.18860E-08	482523.0	3733673.9	434.0	3.49	6.51	3.25	YES	NO
L0002067	0	0.18860E-08	482537.0	3733673.7	434.0	3.49	6.51	3.25	YES	NO
L0002068	0	0.18860E-08	482551.0	3733673.5	434.0	3.49	6.51	3.25	YES	NO
L0002069	0	0.18690E-08	482409.3	3734221.1	433.0	3.49	6.51	3.25	YES	NO
L0002070	0	0.18690E-08	482409.2	3734207.1	433.0	3.49	6.51	3.25	YES	NO
L0002071	0	0.18690E-08	482409.1	3734193.1	433.0	3.49	6.51	3.25	YES	NO
L0002072	0	0.18690E-08	482409.0	3734179.1	433.0	3.49	6.51	3.25	YES	NO
L0002073	0	0.18690E-08	482408.9	3734165.1	433.0	3.49	6.51	3.25	YES	NO
L0002074	0	0.18690E-08	482408.7	3734151.1	433.0	3.49	6.51	3.25	YES	NO
L0002075	0	0.18690E-08	482407.9	3734137.1	433.0	3.49	6.51	3.25	YES	NO
L0002076	0	0.18690E-08	482407.2	3734123.2	433.0	3.49	6.51	3.25	YES	NO
L0002077	0	0.18690E-08	482406.4	3734109.2	433.0	3.49	6.51	3.25	YES	NO
L0002078	0	0.18690E-08	482405.5	3734095.2	433.0	3.49	6.51	3.25	YES	NO
L0002079	0	0.18690E-08	482404.5	3734081.2	433.0	3.49	6.51	3.25	YES	NO
L0002080	0	0.18690E-08	482403.6	3734067.3	433.0	3.49	6.51	3.25	YES	NO
L0002081	0	0.18690E-08	482402.6	3734053.3	433.0	3.49	6.51	3.25	YES	NO
L0002082	0	0.18690E-08	482401.3	3734039.4	433.0	3.49	6.51	3.25	YES	NO
L0002083	0	0.18690E-08	482400.1	3734025.4	433.0	3.49	6.51	3.25	YES	NO
L0002084	0	0.18690E-08	482398.8	3734011.5	433.0	3.49	6.51	3.25	YES	NO
L0002085	0	0.18690E-08	482397.1	3733997.6	433.0	3.49	6.51	3.25	YES	NO
L0002086	0	0.18690E-08	482395.3	3733983.7	433.0	3.49	6.51	3.25	YES	NO
L0002087	0	0.18690E-08	482393.5	3733969.8	433.0	3.49	6.51	3.25		

YES NO
L0002088 0 0.18690E-08 482391.7 3733955.9 433.0 3.49 6.51 3.25
YES NO
L0002089 0 0.18690E-08 482390.2 3733942.0 433.0 3.49 6.51 3.25
YES NO
L0002090 0 0.18690E-08 482388.8 3733928.1 433.0 3.49 6.51 3.25
YES NO
L0002091 0 0.18690E-08 482387.2 3733914.2 433.0 3.49 6.51 3.25
YES NO
L0002092 0 0.18690E-08 482384.4 3733900.5 433.0 3.49 6.51 3.25
YES NO
L0002093 0 0.18690E-08 482381.5 3733886.8 433.0 3.49 6.51 3.25
YES NO
L0002094 0 0.18690E-08 482376.8 3733873.6 433.0 3.49 6.51 3.25
YES NO
L0002095 0 0.18690E-08 482371.9 3733860.5 433.0 3.49 6.51 3.25
YES NO
L0002096 0 0.18690E-08 482364.7 3733848.5 433.0 3.49 6.51 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002097	0	0.18690E-08	482357.2	3733836.7	433.0	3.49	6.51	3.25
YES		NO						
L0002098	0	0.18690E-08	482348.1	3733826.3	433.0	3.49	6.51	3.25
YES		NO						
L0002099	0	0.18690E-08	482337.4	3733817.3	433.0	3.49	6.51	3.25
YES		NO						
L0002100	0	0.18690E-08	482326.7	3733808.2	433.0	3.49	6.51	3.25
YES		NO						
L0002101	0	0.18690E-08	482316.1	3733799.1	433.0	3.49	6.51	3.25
YES		NO						
L0002102	0	0.18690E-08	482302.9	3733794.8	433.0	3.49	6.51	3.25
YES		NO						
L0002103	0	0.18690E-08	482289.4	3733791.0	433.0	3.49	6.51	3.25
YES		NO						
L0002104	0	0.18690E-08	482275.9	3733787.2	433.0	3.49	6.51	3.25
YES		NO						
L0002105	0	0.18690E-08	482262.4	3733783.5	433.0	3.49	6.51	3.25
YES		NO						
L0002106	0	0.18690E-08	482248.8	3733780.2	433.0	3.49	6.51	3.25
YES		NO						
L0002107	0	0.18690E-08	482235.1	3733777.3	433.0	3.49	6.51	3.25
YES		NO						
L0002108	0	0.18690E-08	482221.4	3733774.3	433.0	3.49	6.51	3.25
YES		NO						
L0002109	0	0.18690E-08	482207.8	3733771.3	433.0	3.49	6.51	3.25
YES		NO						
L0002110	0	0.18690E-08	482194.8	3733766.1	433.0	3.49	6.51	3.25

YES		NO						
L0002111	0	0.18690E-08	482181.9	3733760.7	433.0	3.49	6.51	3.25
YES		NO						
L0002112	0	0.18690E-08	482169.1	3733755.0	433.0	3.49	6.51	3.25
YES		NO						
L0002113	0	0.18690E-08	482158.9	3733745.5	433.0	3.49	6.51	3.25
YES		NO						
L0002114	0	0.18690E-08	482148.7	3733735.9	433.0	3.49	6.51	3.25
YES		NO						
L0002115	0	0.18690E-08	482140.2	3733725.2	433.0	3.49	6.51	3.25
YES		NO						
L0002116	0	0.18690E-08	482136.0	3733711.9	433.0	3.49	6.51	3.25
YES		NO						
L0002117	0	0.18690E-08	482134.1	3733698.1	433.0	3.49	6.51	3.25
YES		NO						
L0002118	0	0.18690E-08	482133.7	3733684.1	433.0	3.49	6.51	3.25
YES		NO						
L0002119	0	0.18690E-08	482143.0	3733679.5	433.0	3.49	6.51	3.25
YES		NO						
L0002120	0	0.18690E-08	482157.0	3733679.3	433.0	3.49	6.51	3.25
YES		NO						
L0002121	0	0.18690E-08	482171.0	3733679.1	433.0	3.49	6.51	3.25
YES		NO						
L0002122	0	0.18690E-08	482185.0	3733678.9	433.0	3.49	6.51	3.25
YES		NO						
L0002123	0	0.18690E-08	482199.0	3733678.7	433.0	3.49	6.51	3.25
YES		NO						
L0002124	0	0.18690E-08	482213.0	3733678.5	433.0	3.49	6.51	3.25
YES		NO						
L0002125	0	0.18690E-08	482227.0	3733678.3	433.0	3.49	6.51	3.25
YES		NO						
L0002126	0	0.18690E-08	482241.0	3733678.1	433.0	3.49	6.51	3.25
YES		NO						
L0002127	0	0.18690E-08	482255.0	3733677.9	433.0	3.49	6.51	3.25
YES		NO						
L0002128	0	0.18690E-08	482269.0	3733677.7	433.0	3.49	6.51	3.25
YES		NO						
L0002129	0	0.18690E-08	482283.0	3733677.5	433.0	3.49	6.51	3.25
YES		NO						
L0002130	0	0.18690E-08	482297.0	3733677.3	433.0	3.49	6.51	3.25
YES		NO						
L0002131	0	0.18690E-08	482311.0	3733677.1	433.0	3.49	6.51	3.25
YES		NO						
L0002132	0	0.18690E-08	482325.0	3733676.9	433.1	3.49	6.51	3.25
YES		NO						
L0002133	0	0.18690E-08	482339.0	3733676.7	433.4	3.49	6.51	3.25
YES		NO						
L0002134	0	0.18690E-08	482353.0	3733676.5	433.7	3.49	6.51	3.25
YES		NO						
L0002135	0	0.18690E-08	482367.0	3733676.3	433.9	3.49	6.51	3.25
YES		NO						
L0002136	0	0.18690E-08	482381.0	3733676.1	434.0	3.49	6.51	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	INIT.
URBAN	EMISSION RATE	AIRCRAFT				

SOURCE ID	PART. SCALAR VARY BY	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ
L0002137	0	0.18690E-08	482395.0	3733675.9	434.0	3.49	6.51	3.25
YES	NO							
L0002138	0	0.18690E-08	482409.0	3733675.7	434.0	3.49	6.51	3.25
YES	NO							
L0002139	0	0.18690E-08	482423.0	3733675.5	434.0	3.49	6.51	3.25
YES	NO							
L0002140	0	0.18690E-08	482437.0	3733675.3	434.0	3.49	6.51	3.25
YES	NO							
L0002141	0	0.18690E-08	482451.0	3733675.1	434.0	3.49	6.51	3.25
YES	NO							
L0002142	0	0.18690E-08	482465.0	3733674.9	434.0	3.49	6.51	3.25
YES	NO							
L0002143	0	0.18690E-08	482479.0	3733674.7	434.0	3.49	6.51	3.25
YES	NO							
L0002144	0	0.18690E-08	482493.0	3733674.5	434.0	3.49	6.51	3.25
YES	NO							
L0002145	0	0.18690E-08	482507.0	3733674.4	434.0	3.49	6.51	3.25
YES	NO							
L0002146	0	0.18690E-08	482521.0	3733674.2	434.0	3.49	6.51	3.25
YES	NO							
L0002147	0	0.18690E-08	482535.0	3733674.0	434.0	3.49	6.51	3.25
YES	NO							
L0002148	0	0.18690E-08	482549.0	3733673.8	434.0	3.49	6.51	3.25
YES	NO							
L0002149	0	0.13650E-06	482032.5	3733884.3	433.0	3.49	4.00	3.25
YES	NO							
L0002150	0	0.13650E-06	482041.1	3733884.5	433.0	3.49	4.00	3.25
YES	NO							
L0002151	0	0.26970E-08	482039.2	3733894.0	433.0	3.49	4.00	3.25
YES	NO							
L0002152	0	0.26970E-08	482030.6	3733894.0	433.0	3.49	4.00	3.25
YES	NO							
L0002153	0	0.26970E-08	482022.0	3733894.0	433.0	3.49	4.00	3.25
YES	NO							
L0002154	0	0.26970E-08	482013.4	3733894.0	433.0	3.49	4.00	3.25
YES	NO							
L0002155	0	0.26970E-08	482004.8	3733894.1	433.0	3.49	4.00	3.25
YES	NO							
L0002156	0	0.26970E-08	481996.2	3733894.1	433.0	3.49	4.00	3.25
YES	NO							
L0002157	0	0.26970E-08	481987.6	3733894.1	433.0	3.49	4.00	3.25
YES	NO							
L0002158	0	0.26970E-08	481979.0	3733894.1	433.0	3.49	4.00	3.25
YES	NO							
L0002159	0	0.26970E-08	481970.5	3733894.2	433.0	3.49	4.00	3.25
YES	NO							
L0002160	0	0.26970E-08	481961.9	3733894.2	433.0	3.49	4.00	3.25
YES	NO							
L0002161	0	0.26970E-08	481953.3	3733894.2	433.0	3.49	4.00	3.25
YES	NO							
L0002162	0	0.26970E-08	481944.7	3733894.2	433.0	3.49	4.00	3.25
YES	NO							
L0002163	0	0.26970E-08	481942.3	3733888.2	433.0	3.49	4.00	3.25
YES	NO							
L0002164	0	0.26970E-08	481942.4	3733879.6	433.0	3.49	4.00	3.25
YES	NO							
L0002165	0	0.26970E-08	481942.6	3733871.0	433.0	3.49	4.00	3.25
YES	NO							
L0002166	0	0.26970E-08	481942.7	3733862.4	433.0	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0002167	0	0.26970E-08	481942.9	3733853.8	433.0	3.49	4.00	3.25	YES	NO
L0002168	0	0.26970E-08	481943.0	3733845.2	433.0	3.49	4.00	3.25	YES	NO
L0002169	0	0.26970E-08	481943.2	3733836.6	433.0	3.49	4.00	3.25	YES	NO
L0002170	0	0.26970E-08	481943.3	3733828.0	433.0	3.49	4.00	3.25	YES	NO
L0002171	0	0.26970E-08	481943.5	3733819.5	433.0	3.49	4.00	3.25	YES	NO
L0002172	0	0.26970E-08	481943.3	3733811.1	433.0	3.49	4.00	3.25	YES	NO
L0002173	0	0.26970E-08	481934.8	3733811.3	433.0	3.49	4.00	3.25	YES	NO
L0002174	0	0.26970E-08	481926.2	3733811.5	433.0	3.49	4.00	3.25	YES	NO
L0002175	0	0.18700E-08	481908.0	3733805.3	433.0	3.49	6.51	3.25	YES	NO
L0002176	0	0.18700E-08	481908.3	3733791.3	433.0	3.49	6.51	3.25	YES	NO
L0002177	0	0.18700E-08	481908.7	3733777.3	433.0	3.49	6.51	3.25	YES	NO
L0002178	0	0.18700E-08	481909.0	3733763.3	433.0	3.49	6.51	3.25	YES	NO
L0002179	0	0.18700E-08	481909.3	3733749.3	433.0	3.49	6.51	3.25	YES	NO
L0002180	0	0.18700E-08	481909.7	3733735.3	433.0	3.49	6.51	3.25	YES	NO
L0002181	0	0.18700E-08	481910.0	3733721.3	433.0	3.49	6.51	3.25	YES	NO
L0002182	0	0.18700E-08	481910.4	3733707.3	433.0	3.49	6.51	3.25	YES	NO
L0002183	0	0.18700E-08	481910.7	3733693.3	433.0	3.49	6.51	3.25	YES	NO
L0002184	0	0.18700E-08	481911.2	3733679.6	433.0	3.49	6.51	3.25	YES	NO
L0002185	0	0.18700E-08	481925.2	3733679.6	433.0	3.49	6.51	3.25	YES	NO
L0002186	0	0.18700E-08	481939.2	3733679.6	433.0	3.49	6.51	3.25	YES	NO
L0002187	0	0.18700E-08	481953.2	3733679.7	433.0	3.49	6.51	3.25	YES	NO
L0002188	0	0.18700E-08	481967.2	3733679.7	433.0	3.49	6.51	3.25	YES	NO
L0002189	0	0.18700E-08	481981.2	3733679.7	433.0	3.49	6.51	3.25		

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 YES                  NO
 L0002190         0   0.18700E-08  481995.2 3733679.8   433.0     3.49     6.51     3.25
 YES                  NO
 L0002191         0   0.18700E-08  482009.2 3733679.8   433.0     3.49     6.51     3.25
 YES                  NO
 L0002192         0   0.18700E-08  482023.2 3733679.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0002193         0   0.18700E-08  482037.2 3733679.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0002194         0   0.18700E-08  482051.2 3733679.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0002195         0   0.18700E-08  482065.2 3733680.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0002196         0   0.18700E-08  482079.2 3733680.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0002197         0   0.18700E-08  482093.2 3733680.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0002198         0   0.18700E-08  482107.2 3733680.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0002199         0   0.18700E-08  482121.2 3733680.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0002200         0   0.18700E-08  482135.2 3733680.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0002201         0   0.18700E-08  482149.2 3733679.8   433.0     3.49     6.51     3.25
 YES                  NO
 L0002202         0   0.18700E-08  482163.2 3733679.5   433.0     3.49     6.51     3.25
 YES                  NO
 L0002203         0   0.18700E-08  482177.2 3733679.3   433.0     3.49     6.51     3.25
 YES                  NO
 L0002204         0   0.18700E-08  482191.2 3733679.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0002205         0   0.18700E-08  482205.2 3733678.9   433.0     3.49     6.51     3.25
 YES                  NO
 L0002206         0   0.18700E-08  482219.2 3733678.7   433.0     3.49     6.51     3.25
 YES                  NO
 L0002207         0   0.18700E-08  482233.2 3733678.4   433.0     3.49     6.51     3.25
 YES                  NO
 L0002208         0   0.18700E-08  482247.2 3733678.2   433.0     3.49     6.51     3.25
 YES                  NO
 L0002209         0   0.18700E-08  482261.2 3733678.0   433.0     3.49     6.51     3.25
 YES                  NO
 L0002210         0   0.18700E-08  482275.2 3733677.8   433.0     3.49     6.51     3.25
 YES                  NO
 L0002211         0   0.18700E-08  482289.2 3733677.6   433.0     3.49     6.51     3.25
 YES                  NO
 L0002212         0   0.18700E-08  482303.2 3733677.3   433.0     3.49     6.51     3.25
 YES                  NO
 L0002213         0   0.18700E-08  482317.2 3733677.1   433.0     3.49     6.51     3.25
 YES                  NO
 L0002214         0   0.18700E-08  482331.2 3733676.9   433.2     3.49     6.51     3.25
 YES                  NO
 L0002215         0   0.18700E-08  482345.2 3733676.7   433.5     3.49     6.51     3.25
 YES                  NO
 L0002216         0   0.18700E-08  482359.2 3733676.5   433.8     3.49     6.51     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***
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SOURCE ID	NUMBER URBAN SOURCE SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0002217	0	0.18700E-08	482373.2	3733676.2	433.9	3.49	6.51	3.25	
YES		NO							
L0002218	0	0.18700E-08	482387.2	3733676.0	434.0	3.49	6.51	3.25	
YES		NO							
L0002219	0	0.18700E-08	482401.2	3733675.8	434.0	3.49	6.51	3.25	
YES		NO							
L0002220	0	0.18700E-08	482415.2	3733675.6	434.0	3.49	6.51	3.25	
YES		NO							
L0002221	0	0.18700E-08	482429.2	3733675.4	434.0	3.49	6.51	3.25	
YES		NO							
L0002222	0	0.18700E-08	482443.2	3733675.1	434.0	3.49	6.51	3.25	
YES		NO							
L0002223	0	0.18700E-08	482457.2	3733674.9	434.0	3.49	6.51	3.25	
YES		NO							
L0002224	0	0.18700E-08	482471.2	3733674.7	434.0	3.49	6.51	3.25	
YES		NO							
L0002225	0	0.18700E-08	482485.2	3733674.5	434.0	3.49	6.51	3.25	
YES		NO							
L0002226	0	0.18700E-08	482499.2	3733674.3	434.0	3.49	6.51	3.25	
YES		NO							
L0002227	0	0.18700E-08	482513.2	3733674.0	434.0	3.49	6.51	3.25	
YES		NO							
L0002228	0	0.18700E-08	482527.2	3733673.8	434.0	3.49	6.51	3.25	
YES		NO							
L0002229	0	0.18700E-08	482541.2	3733673.6	434.0	3.49	6.51	3.25	
YES		NO							
L0002230	0	0.18700E-08	482555.2	3733673.4	434.0	3.49	6.51	3.25	
YES		NO							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 , L0001544 ,
	L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 , L0001552 ,
	L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , L0001559 , L0001560 ,
	L0001561 , L0001562 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567 , L0001568 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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          L0002013    , L0002014    ,
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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

URBAN ID	URBAN POP	SOURCE IDs

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L0002013 , L0002014 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	371.9,	201.9,	-140.5,	-182.4,	2	13.7,	380.7,	253.5,	-133.7,	-186.5,
3	13.7,	378.0,	297.7,	-123.1,	-185.0,	4	13.7,	363.9,	332.9,	-108.8,	-177.8,
5	13.7,	338.6,	358.0,	-91.1,	-165.2,	6	13.7,	303.1,	372.2,	-70.7,	-147.6,
7	13.7,	258.3,	375.1,	-48.2,	-125.5,	8	13.7,	206.6,	366.6,	-24.3,	-100.0,
9	13.7,	149.6,	353.2,	-3.1,	-71.5,	10	13.7,	201.9,	371.9,	-3.5,	-39.5,
11	13.7,	253.5,	380.7,	-3.8,	-6.9,	12	13.7,	297.7,	378.0,	-4.1,	25.8,
13	13.7,	332.9,	363.9,	-4.2,	57.7,	14	13.7,	358.0,	338.6,	-4.1,	87.9,
15	13.7,	372.2,	303.1,	-4.0,	115.3,	16	13.7,	375.1,	258.3,	-3.7,	139.3,
17	13.7,	366.6,	206.6,	-3.3,	159.0,	18	13.7,	353.2,	149.6,	-3.3,	173.5,
19	13.7,	371.9,	201.9,	-61.4,	182.4,	20	13.7,	380.7,	253.5,	-119.9,	186.5,
21	13.7,	378.0,	297.7,	-174.7,	185.0,	22	13.7,	363.9,	332.9,	-224.2,	177.8,
23	13.7,	338.6,	358.0,	-266.9,	165.2,	24	13.7,	303.1,	372.2,	-301.4,	147.6,
25	13.7,	258.3,	375.1,	-326.9,	125.5,	26	13.7,	206.6,	366.6,	-342.3,	100.0,

27	13.7,	149.6,	353.2,	-350.1,	71.5,	28	13.7,	201.9,	371.9,	-368.4,	39.5,
29	13.7,	253.5,	380.7,	-376.9,	6.9,	30	13.7,	297.7,	378.0,	-374.0,	-25.8,
31	13.7,	332.9,	363.9,	-359.7,	-57.7,	32	13.7,	358.0,	338.6,	-334.5,	-87.9,
33	13.7,	372.2,	303.1,	-299.1,	-115.3,	34	13.7,	375.1,	258.3,	-254.7,	-139.3,
35	13.7,	366.6,	206.6,	-203.3,	-159.0,	36	13.7,	353.2,	149.6,	-146.3,	-173.5,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	18.3,	88.9,	47.7,	-15.2,	-40.1,	2	18.3,	93.1,	47.8,	-2.7,	-38.8,
3	18.3,	94.6,	51.0,	5.5,	-36.4,	4	18.3,	93.1,	61.5,	4.7,	-32.9,
5	18.3,	88.9,	70.0,	3.7,	-28.4,	6	18.3,	81.9,	76.5,	2.7,	-23.1,
7	18.3,	72.5,	80.6,	1.5,	-17.0,	8	18.3,	60.8,	82.3,	0.3,	-10.4,
9	18.3,	50.8,	81.9,	-0.9,	-1.9,	10	18.3,	47.7,	88.9,	-4.3,	8.6,
11	18.3,	47.8,	93.1,	-7.7,	21.2,	12	18.3,	51.0,	94.6,	-10.8,	31.0,
13	18.3,	61.5,	93.1,	-13.6,	35.4,	14	18.3,	70.0,	88.9,	-16.0,	38.8,
15	18.3,	76.5,	81.9,	-17.9,	40.9,	16	18.3,	80.6,	72.5,	-19.3,	41.8,
17	18.3,	82.3,	60.8,	-20.0,	41.5,	18	18.3,	81.9,	50.8,	-23.5,	40.1,
19	18.3,	88.9,	47.7,	-32.4,	40.1,	20	18.3,	93.1,	47.8,	-45.2,	38.8,
21	18.3,	94.6,	51.0,	-56.5,	36.4,	22	18.3,	93.1,	61.5,	-66.2,	32.9,
23	18.3,	88.9,	70.0,	-73.8,	28.4,	24	18.3,	81.9,	76.5,	-79.2,	23.1,
25	18.3,	72.5,	80.6,	-82.1,	17.0,	26	18.3,	60.8,	82.3,	-82.6,	10.4,
27	18.3,	50.8,	81.9,	-81.0,	1.9,	28	18.3,	47.7,	88.9,	-84.5,	-8.6,
29	18.3,	47.8,	93.1,	-85.4,	-21.2,	30	18.3,	51.0,	94.6,	-83.7,	-31.0,
31	18.3,	61.5,	93.1,	-79.5,	-35.4,	32	18.3,	70.0,	88.9,	-72.9,	-38.8,
33	18.3,	76.5,	81.9,	-64.0,	-40.9,	34	18.3,	80.6,	72.5,	-53.2,	-41.8,
35	18.3,	82.3,	60.8,	-40.8,	-41.5,	36	18.3,	81.9,	50.8,	-27.3,	-40.1,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.1000E+01	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK2 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .1000E+01 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

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

(481962.5, 3734240.6, 432.0, 432.0, 0.0); (481962.5, 3734264.7, 432.0, 432.0, 0.0);
(481962.2, 3734282.2, 432.0, 432.0, 0.0); (481961.8, 3734299.8, 432.0, 432.0, 0.0);
(481961.5, 3734312.2, 432.0, 432.0, 0.0); (481961.3, 3734351.1, 432.0, 432.0, 0.0);
(481961.1, 3734369.1, 432.0, 432.0, 0.0); (481961.5, 3734382.0, 432.0, 432.0, 0.0);
(481961.1, 3734399.1, 432.0, 432.0, 0.0); (481953.1, 3734437.5, 432.0, 432.0, 0.0);
(481952.2, 3734453.0, 432.0, 432.0, 0.0); (481959.4, 3734466.1, 431.0, 431.0, 0.0);
(482097.1, 3734535.8, 431.0, 431.0, 0.0); (482139.2, 3734533.9, 431.0, 431.0, 0.0);
(482279.7, 3734539.1, 431.0, 431.0, 0.0); (482216.9, 3734550.7, 431.0, 431.0, 0.0);
(482528.8, 3734259.0, 433.0, 433.0, 0.0); (482528.8, 3734102.8, 433.4, 433.4, 0.0);
(482904.5, 3734166.2, 435.0, 435.0, 0.0); (482915.2, 3734146.8, 435.0, 435.0, 0.0);
(482903.6, 3734117.3, 435.0, 435.0, 0.0); (482904.9, 3734060.6, 435.0, 435.0, 0.0);
(482905.2, 3734042.1, 435.0, 435.0, 0.0); (482905.2, 3734025.9, 435.0, 435.0, 0.0);
(482919.1, 3734006.4, 435.0, 435.0, 0.0); (482836.6, 3733631.8, 435.0, 435.0, 0.0);
(483237.5, 3733952.1, 436.0, 436.0, 0.0); (483302.4, 3733879.3, 436.0, 436.0, 0.0);

(483300.3, 3733712.5, 436.0, 436.0, 0.0); (483082.9, 3733655.5,
435.0, 435.0, 0.0);
(482319.7, 3733551.0, 434.0, 434.0, 0.0); (481675.8, 3733533.5,
432.4, 432.4, 0.0);
(481361.0, 3733618.0, 432.0, 432.0, 0.0); (481272.8, 3733583.2,
431.8, 431.8, 0.0);
(480863.0, 3733796.2, 430.3, 430.3, 0.0); (480863.6, 3734055.8,
430.0, 430.0, 0.0);
(480848.7, 3733622.9, 430.5, 430.5, 0.0); (481879.2, 3733714.0,
433.0, 433.0, 0.0);
(481880.6, 3733725.1, 433.0, 433.0, 0.0); (481880.0, 3733747.1,
433.0, 433.0, 0.0);
(481880.3, 3733755.9, 433.0, 433.0, 0.0); (481882.2, 3733776.0,
433.0, 433.0, 0.0);
(481883.6, 3733791.7, 433.0, 433.0, 0.0); (481883.3, 3733832.2,
433.0, 433.0, 0.0);
(481880.0, 3733878.2, 432.9, 432.9, 0.0); (481883.1, 3733920.1,
432.4, 432.4, 0.0);
(481884.2, 3733929.8, 432.5, 432.5, 0.0); (481883.6, 3733943.8,
432.3, 432.3, 0.0);
(481885.5, 3733965.6, 432.0, 432.0, 0.0); (481884.7, 3733982.4,
432.0, 432.0, 0.0);
(481880.3, 3734005.5, 432.0, 432.0, 0.0); (481876.2, 3734022.1,
432.0, 432.0, 0.0);
(481868.2, 3734046.0, 432.0, 432.0, 0.0); (481861.8, 3734062.0,
432.0, 432.0, 0.0);
(481851.1, 3734082.1, 432.0, 432.0, 0.0); (481843.4, 3734096.5,
432.0, 432.0, 0.0);
(481828.5, 3734117.4, 432.0, 432.0, 0.0); (481817.2, 3734130.1,
432.0, 432.0, 0.0);
(481805.6, 3734143.3, 432.0, 432.0, 0.0); (481793.0, 3734157.9,
432.0, 432.0, 0.0);
(481859.1, 3734160.9, 432.0, 432.0, 0.0); (481872.9, 3734171.1,
432.0, 432.0, 0.0);
(481891.0, 3734184.6, 432.0, 432.0, 0.0); (481905.6, 3734195.1,
432.0, 432.0, 0.0);
(481915.0, 3734203.1, 432.0, 432.0, 0.0); (481930.2, 3734213.3,
432.0, 432.0, 0.0);
(481946.4, 3734225.7, 432.0, 432.0, 0.0); (482630.9, 3734448.6,
434.0, 434.0, 0.0);
(482625.5, 3734541.3, 433.0, 433.0, 0.0); (483299.4, 3734396.8,
436.4, 436.4, 0.0);
(483313.7, 3734511.3, 436.1, 436.1, 0.0); (482533.7, 3734524.7,
433.0, 433.0, 0.0);
(482340.6, 3734219.5, 433.0, 433.0, 0.0); (482157.3, 3734179.6,
433.0, 433.0, 0.0);
(482058.7, 3735119.9, 431.0, 431.0, 0.0); (481887.5, 3735161.3,
431.0, 431.0, 0.0);
(482219.5, 3733735.5, 433.0, 433.0, 0.0); (482388.8, 3734216.6,
433.0, 433.0, 0.0);
(482380.7, 3734082.9, 433.0, 433.0, 0.0); (482740.5, 3735023.9,
433.0, 433.0, 0.0);
(483318.1, 3734859.4, 436.0, 436.0, 0.0); (483313.3, 3734718.1,
436.0, 436.0, 0.0);
(482100.4, 3734004.4, 433.0, 433.0, 0.0); (482089.2, 3733832.2,
433.0, 433.0, 0.0);
(482082.8, 3733915.5, 433.0, 433.0, 0.0); (482084.4, 3733956.4,
433.0, 433.0, 0.0);
(482118.7, 3734175.2, 433.0, 433.0, 0.0); (482117.6, 3734042.0,
433.0, 433.0, 0.0);
(482249.2, 3733805.2, 433.0, 433.0, 0.0); (482297.1, 3733818.9,
433.0, 433.0, 0.0);

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

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

(482351.1, 3733890.7, 433.0, 433.0, 0.0); (482377.9, 3734018.9, 433.0, 433.0, 0.0);

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** *** 10:33:02

PAGE 36
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0001958	482118.7	3734175.2	-2.20
L0001960	482084.4	3733956.4	0.73
L0002008	482082.8	3733915.5	-1.13

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** *** 10:33:02

PAGE 37
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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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 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
1   1 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)

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5

```
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        10:33:02

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                            *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES FOR
                            SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     L0001537    , L0001538    ,
                                L0001539    , L0001540    , L0001541    ,
                  L0001542    , L0001543    , L0001544    , L0001545    , L0001546    ,
                  L0001547    , L0001548    , L0001549    ,
                  L0001550    , L0001551    , L0001552    , L0001553    , L0001554    ,
                  L0001555    , L0001556    , L0001557    ,
                  L0001558    , L0001559    , L0001560    , L0001561    , L0001562    ,
                  L0001563    , L0001564    ,  . . .      ,

                                       *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
         481962.48    3734240.57        0.00118                      481962.48
         3734264.69        0.00132
         481962.24    3734282.25        0.00145                      481961.77
         3734299.81        0.00156
         481961.54    3734312.23        0.00169                      481961.30
         3734351.10        0.00198
         481961.07    3734369.13        0.00212                      481961.54
         3734382.01        0.00216
         481961.07    3734399.10        0.00217                      481953.11
         3734437.51        0.00170
         481952.17    3734452.96        0.00154                      481959.43
         3734466.07        0.00154
         482097.06    3734535.79        0.00194                      482139.21
         3734533.86        0.00211
         482279.72    3734539.09        0.00188                      482216.90
         3734550.67        0.00181
```

482528.77 3734258.97 0.00050 482528.77
3734102.85 0.00039
482904.55 3734166.22 0.00014 482915.25
3734146.77 0.00014
482903.58 3734117.28 0.00014 482904.88
3734060.56 0.00013
482905.20 3734042.08 0.00013 482905.20
3734025.88 0.00013
482919.14 3734006.43 0.00013 482836.60
3733631.78 0.00011
483237.52 3733952.14 0.00007 483302.44
3733879.31 0.00007
483300.33 3733712.52 0.00006 483082.88
3733655.52 0.00008
482319.69 3733551.02 0.00023 481675.81
3733533.54 0.00013
481360.99 3733617.99 0.00009 481272.81
3733583.21 0.00008
480862.98 3733796.20 0.00006 480863.61
3734055.76 0.00006
480848.70 3733622.95 0.00005 481879.20
3733714.04 0.00030
481880.58 3733725.06 0.00032 481880.02
3733747.10 0.00036
481880.30 3733755.92 0.00037 481882.23
3733776.03 0.00042
481883.61 3733791.74 0.00046 481883.33
3733832.24 0.00060
481880.02 3733878.25 0.00082 481883.06
3733920.14 0.00118
481884.16 3733929.78 0.00130 481883.61
3733943.83 0.00142
481885.53 3733965.60 0.00157 481884.71
3733982.41 0.00154
481880.30 3734005.55 0.00133 481876.17
3734022.08 0.00115
481868.18 3734046.05 0.00094 481861.84
3734062.04 0.00083
481851.09 3734082.15 0.00072 481843.38
3734096.48 0.00066
481828.50 3734117.42 0.00059 481817.20
3734130.09 0.00055
481805.63 3734143.32 0.00052 481792.96
3734157.92 0.00049
481859.08 3734160.95 0.00066 481872.86
3734171.15 0.00070
481891.05 3734184.65 0.00076 481905.65
3734195.12 0.00081
481915.02 3734203.11 0.00085 481930.17
3734213.30 0.00092
481946.43 3734225.70 0.00101 482630.92
3734448.65 0.00034
482625.46 3734541.27 0.00033 483299.43
3734396.77 0.00007
483313.72 3734511.32 0.00007 482533.74
3734524.68 0.00052
482340.59 3734219.47 0.00101 482157.26
3734179.57 0.00115
482058.70 3735119.87 0.00037 481887.52
3735161.30 0.00021
482219.53 3733735.50 0.00057 482388.79
3734216.64 0.00105
482380.68 3734082.90 0.00073 482740.46
3735023.89 0.00013

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 , L0001544 , L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 , L0001552 , L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , L0001559 , L0001560 , L0001561 , L0001562 , L0001563 , L0001564 , . . . ,

*** 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
483318.14	3734859.45	0.00007	483313.30	3734718.13	0.00007
482100.44	3734004.45	0.00102	482089.24	3733832.22	0.00066
482082.75	3733915.48	0.00101	482084.41	3733956.37	0.00143
482118.67	3734175.18	0.00135	482117.57	3734042.02	0.00083
482249.21	3733805.24	0.00060	482297.12	3733818.86	0.00058
482351.14	3733890.73	0.00055	482377.91	3734018.95	0.00068

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** 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	0.00217 AT (481961.07, 3734399.10, 432.00, 432.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00216 AT (481961.54, 3734382.01, 432.00, 432.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00212 AT (481961.07, 3734369.13, 432.00, 432.00, 0.00)	DC	

```
         4TH HIGHEST VALUE IS       0.00211 AT (  482139.21,  3734533.86,   431.00,
         431.00,    0.00)  DC
         5TH HIGHEST VALUE IS       0.00198 AT (  481961.30,  3734351.10,   432.00,
         432.00,    0.00)  DC
         6TH HIGHEST VALUE IS       0.00194 AT (  482097.06,  3734535.79,   431.00,
         431.00,    0.00)  DC
         7TH HIGHEST VALUE IS       0.00188 AT (  482279.72,  3734539.09,   431.00,
         431.00,    0.00)  DC
         8TH HIGHEST VALUE IS       0.00181 AT (  482216.90,  3734550.67,   431.00,
         431.00,    0.00)  DC
         9TH HIGHEST VALUE IS       0.00170 AT (  481953.11,  3734437.51,   432.00,
         432.00,    0.00)  DC
        10TH HIGHEST VALUE IS       0.00169 AT (  481961.54,  3734312.23,   432.00,
        432.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***        03/13/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        10:33:02

                      PAGE  42
 *** 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            6 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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


    ********   WARNING MESSAGES   ********
 SO W320    1474        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 SO W320    1475        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 ME W186    1909       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1909       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
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APPENDIX 2.3:

RISK CALCULATIONS

Operational Risk

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk								
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00014	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	4.8E-08	0.00	5.0E+00	1.4E-03	2.8E-05						
	0 to 2	0.00014	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.5E-07	0.04	5.0E+00	1.4E-03	2.8E-05						
	2 to 16	0.00014	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	7.7E-08	0.03	5.0E+00	1.4E-03	2.8E-05						
	16 to 30	0.00014	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.5E-08	0.01	5.0E+00	1.4E-03	2.8E-05						
												Total	0.08			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	-0.25 to 0	0.00009	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	3.1E-08	0.00	5.0E+00	1.4E-03	1.8E-05						
	0 to 2	0.00009	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	9.4E-08	0.02	5.0E+00	1.4E-03	1.8E-05						
	2 to 16	0.00009	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	4.9E-08	0.02	5.0E+00	1.4E-03	1.8E-05						
	16 to 30	0.00009	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	2.3E-08	0.00	5.0E+00	1.4E-03	1.8E-05						
												Total	0.05			7.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00154	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	5.3E-07	0.02	5.0E+00	1.4E-03	3.1E-04						
	0 to 2	0.00154	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.6E-06	0.41	5.0E+00	1.4E-03	3.1E-04						
	2 to 16	0.00154	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	8.4E-07	0.38	5.0E+00	1.4E-03	3.1E-04						
	16 to 30	0.00154	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.9E-07	0.06	5.0E+00	1.4E-03	3.1E-04						
												Total	0.87			1.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4 (MEIR)	-0.25 to 0	0.00217	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	7.5E-07	0.02	5.0E+00	1.4E-03	4.3E-04						
	0 to 2	0.00217	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	2.3E-06	0.58	5.0E+00	1.4E-03	4.3E-04						
	2 to 16	0.00217	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.2E-06	0.54	5.0E+00	1.4E-03	4.3E-04						
	16 to 30	0.00217	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	5.4E-07	0.08	5.0E+00	1.4E-03	4.3E-04						
												Total	1.23			1.7E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5 (MEIW)	16 to 41	0.00211	250	25	230	1	70	1.00	1	3.0E-04	1.1E+00	3.3E-07	0.12	5.0E+00	1.4E-03	4.2E-04						
												Total	0.12			4.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

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