

Appendix B

Air Quality & Greenhouse Gas
Comparative Analysis
(March 2024)

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JOB NO: 15360-06 AQ & GHG Assessment

GREEN VALLEY SPECIFIC PLAN (CASE ROAD MIXED-USE DEVELOPMENT) AIR QUALITY & GREENHOUSE GAS (AQ & GHG) COMPARATIVE ANALYSIS

Urban Crossroads has completed an Air Quality & Greenhouse Gas (AQ & GHG) Comparative Analysis for the Green Valley Specific Plan (Case Road Mixed-Use Development) located in the City of Perris.

PROJECT OVERVIEW

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)

SUMMARY OF FINDINGS

Results of the assessment indicate that the proposed Project would result in a net reduction in criteria and GHG pollutant emissions compared to the Approved specific

plan. This reduction in emissions under the proposed Project is attributable to the reduced number of daily vehicle trips that would occur with the proposed Project land uses compared to the approved specific plan. Additionally, emissions associated with the proposed Project would not result in a significant localized impact for nearby receptors during construction or operation of the Project.

CONSTRUCTION IMPACTS

While construction of the proposed Project would result in criteria pollutant and GHG emissions, construction impacts have been analyzed in the certified Specific Plan Environmental Impact Report (EIR). Criteria and GHG 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. 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. However, because localized construction-related impacts were not evaluated in the 1990 Final EIR, this analysis evaluates potential localized impacts that may result from Project construction-related emissions.

ANALYSIS APPROACH

The proposed Project includes revised land uses compared to the land uses assumed in the certified Specific Plan EIR, so a comparative analysis was prepared to compare the operational air quality and greenhouse gas emissions for the proposed Project to the adopted Specific Plan. The proposed Project includes revised uses in PAs 40, 41, 42, 43 and 44, so for purposes of this comparative analysis the comparison focuses on the changes to PAs 40 through 44 only.

BACKGROUND AIR QUALITY SETTING

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (1).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on May 4, 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (2).

TABLE 1: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

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TABLE 1: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu\text{g}/\text{m}^3$ is equal to or less than one. For PM_{2.5}, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 $\mu\text{g}/\text{m}^3$ to 12.0 $\mu\text{g}/\text{m}^3$. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 $\mu\text{g}/\text{m}^3$, as was the annual secondary standard of 15 $\mu\text{g}/\text{m}^3$. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 $\mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O₃, particulate matter (PM₁₀ and PM_{2.5}), NO₂, and SO₂ which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (3). On January 5, 2021, CARB posted the 2020 amendments to the state and national area designations. See Table 2 for attainment designations for the SCAB (4). Attachment A provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O ₃ – 1-hour standard	Nonattainment	--
O ₃ – 8-hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO ₂	Attainment	Unclassifiable/Attainment
SO ₂	Attainment	Unclassifiable/Attainment
Pb ¹	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB

-- = The national 1-hour O₃ standard was revoked effective June 15, 2005.

LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents about the air quality conditions. The Project site is located within the Perris Valley area (SRA 24). The Perris Valley monitoring station is located approximately 3.3 miles northwest of the Project site and reports air quality statistics for O₃ and PM₁₀ for 2020 and 2021. The Lake Elsinore monitoring station, which is located 8.9 miles southwest of the Project site in SRA 25 reports air quality data for CO and NO₂, as well as O₃ data for 2022 and PM₁₀ data for 2021 and 2022. The Metropolitan Riverside County monitoring station, which is located 21.8 miles northwest of the Project site in SRA 23, records air quality data for PM_{2.5}. It should be noted that data from the Lake Elsinore and Metropolitan Riverside County monitoring stations were utilized in lieu of the Perris Valley monitoring station only in instances where data was not available.

The most recent three (3) years of data available is shown on Table 3 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} for 2020 through 2022 was obtained from the SCAQMD Air Quality Data Tables (5). Additionally, data for SO₂

¹ The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO₂ concentrations.

TABLE 3: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2020-2022

Pollutant	Standard	Year		
		2020	2021	2022
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.125	0.117	0.121
Maximum Federal 8-Hour Concentration (ppm)		0.106	0.094	0.091
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	34	25	17
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	74	60	37
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	0.9	0.9	0.9
Maximum Federal 8-Hour Concentration	> 20 ppm	0.7	0.8	0.6
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.044	0.044	0.037
Annual Federal Standard Design Value		0.007	0.007	0.007
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m³)	> 150 µg/m³	77	89	91
Annual Federal Arithmetic Mean (µg/m³)		35.9	21.4	19.8
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m³	6	4	1
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m³)	> 35 µg/m³	41.00	82.1	38.5
Annual Federal Arithmetic Mean (µg/m³)	> 12 µg/m³	12.63	12.58	10.80
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m³	4	10	1

ppm = Parts Per Million

µg/m³ = Microgram per Cubic Meter

Source: Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained from SCAQMD Air Quality Data Tables.

AIR QUALITY & GHG MODELING METHODOLOGY

In May 2022, the California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released the latest version of the CalEEMod Version 2022.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (6). Accordingly, the latest version of CalEEMod has been used for this Project to determine operational air quality and greenhouse gas emissions.

APPROVED SPECIFIC PLAN MODELING ASSUMPTIONS

Operational related emissions for the approved specific plan are expected from the following primary sources: mobile source emissions, area source emissions, and energy source emissions. Mobile source emissions associated with the existing approved specific plan were modeled in CalEEMod utilizing trip rates available from the *Green Valley Specific Plan (Case Road Mixed-Use Development) Trip Generation Assessment* (7) and assuming CalEEMod default trip lengths and fleet mix. Additionally, area source and energy source emissions were calculated utilizing CalEEMod model defaults.

PROPOSED PROJECT MODELING ASSUMPTIONS

Operational related emissions for the proposed Project are expected from the following primary sources: mobile source emissions, area source emissions, energy source emissions, and stationary source emissions. CalEEMod model defaults were utilized except as noted below in order to account for emissions resulting from heavy duty trucks.

Mobile source emissions associated with the proposed Project were modeled in CalEEMod utilizing trip rates available from the *Green Valley Specific Plan (Case Road Mixed-Use Development) Trip Generation Assessment* (7). The CalEEMod default trip length and fleet mix were utilized for the proposed commercial land uses. To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length 15.3 miles for 2-axle (LHDT1, LHDT2) trucks, 14.2 miles 3-axle (MHDT) trucks and 39.9 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using the following truck mix based on data provided in the Project trip generation analysis: 2-Axle = 16.67%; 3-Axle = 20.83%; 4+-Axle = 62.50% (8). The trip length function for trucks in CalEEMod has been revised to 30.45 miles, with an assumption of 100% primary trips for the proposed industrial land uses.

It should be noted that the industrial uses under the proposed Project would be required to comply with the City of Perris Good Neighbor Guidelines for Siting New and/or Modified Industrial Facilities. As such, it was assumed that any on-site cargo handling equipment utilized during Project operation would be electric-powered.

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.

GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO₂ and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting². GHGs are also emitted during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions.

² The CalEEMod emissions inventory model does not include indirect emissions related to street lighting. Indirect emissions related to street lighting are expected to be negligible and cannot be accurately quantified at this time as there is insufficient information as to the number and type of street lighting that would occur.

Natural gas and electricity usage associated with the Project were calculated by CalEEMod using default parameters.

Indirect GHG emissions result from the production of electricity used to convey, treat, and distribute water and wastewater. The amount of electricity required to convey, treat, and distribute water depends on the volume of water as well as the sources of the water. CalEEMod default parameters were used for both the approved specific plan and the proposed Project.

Industrial and commercial land uses would result in the generation and disposal of solid waste. A percentage of this waste would be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted would be disposed of at a landfill. GHG emissions from landfills are associated with the anaerobic breakdown of material. GHG emissions associated with the disposal of solid waste associated with the proposed Project were calculated by CalEEMod using default parameters for both the approved specific plan and the proposed Project.

Air conditioning (A/C) and refrigeration equipment associated with the buildings are anticipated to generate GHG emissions. CalEEMod automatically generates a default A/C and refrigeration equipment inventory for each project land use subtype based on industry data from the USEPA (2016b). CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Note that CalEEMod does not quantify emissions from the disposal of refrigeration and A/C equipment at the end of its lifetime. GHG emissions associated with refrigerants were calculated by CalEEMod using default parameters.

OPERATIONAL AIR QUALITY & GHG EMISSIONS

The estimated operation-source emissions from the adopted Specific Plan and the proposed Project are summarized on Tables 4 and 5, respectively. Detailed operation model outputs for the adopted Specific Plan and the proposed Project are presented in Attachment B and Attachment C, respectively. The proposed Project is anticipated to generate significantly less emissions per day for pollutants of VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} as compared to emissions generated by the adopted Specific Plan.

TABLE 4: APPROVED SPECIFIC PLAN OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	143.00	135.00	1,256.00	3.15	277.00	71.80
Area Source	32.20	0.38	45.00	<0.005	0.08	0.06
Energy Source	0.42	7.67	6.45	0.05	0.58	0.58
Total Maximum Daily Emissions	175.62	143.05	1,307.45	3.20	277.66	72.44
Winter						
Mobile Source	133.00	145.00	1,053.00	2.96	277.00	71.80
Area Source	24.80	0	0	0	0	0
Energy Source	0.42	7.67	6.45	0.05	0.58	0.58
Total Maximum Daily Emissions	158.22	152.67	1,059.45	3.01	277.58	72.38

TABLE 5: PROPOSED PROJECT OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	74.00	57.60	509.00	1.22	104.00	27.10
Area Source	35.70	0.42	49.80	<0.005	0.09	0.07
Energy Source	0.33	5.98	5.02	0.04	0.45	0.45
Stationary Source	0.98	2.75	2.51	<0.005	0.14	0.14
Total Maximum Daily Emissions	111.01	66.75	566.33	1.26	104.68	27.76
<i>Approved SP</i>	<i>175.62</i>	<i>143.05</i>	<i>1,307.45</i>	<i>3.20</i>	<i>277.66</i>	<i>72.44</i>
Net Maximum Daily Emissions	-64.61	-76.30	-741.12	-1.94	-172.98	-44.68
Winter						
Mobile Source	69.10	61.60	439.00	1.14	104.00	27.10
Area Source	27.50	0	0	0	0	0
Energy Source	0.33	5.98	5.02	0.04	0.45	0.45
Stationary Source	0.98	2.75	2.51	<0.005	0.14	0.14
Total Maximum Daily Emissions	97.91	70.33	446.53	1.18	104.59	27.69
<i>Approved SP</i>	<i>158.22</i>	<i>152.67</i>	<i>1,059.45</i>	<i>3.01</i>	<i>277.58</i>	<i>72.38</i>
Net Maximum Daily Emissions	-60.31	-82.34	-612.92	-1.83	-172.99	-44.69

The GHG emissions modeled for the adopted Specific Plan and the proposed Project are presented in Table 6. Detailed GHG model outputs for the proposed and adopted specific plan are presented in Attachments B and C, respectively.

TABLE 6: TOTAL PROJECT GHG EMISSIONS

Source	Emissions (MTCO ₂ e/yr)
Project	17,702.20
Approved Specific Plan	42,460.52
Net Total CO₂e	-24,758.30

As shown in Table 7, the proposed Project would result in an approximate net decrease of 24,758.30 MTCO₂e/yr. Thus, the proposed Project is anticipated to generate significantly less GHG emissions per day compared to emissions generated by the adopted Specific Plan.

LOCALIZED AIR QUALITY IMPACTS

BACKGROUND ON LST DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that localized impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4³. LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (9).

³ The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern are on-site NO_x , CO, $\text{PM}_{2.5}$, and PM_{10} . The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs" (10). As such, for purposes of the LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project operation, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model was utilized. The modeling approach utilized is discussed as follows:

SOURCES

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions were modeled.

In order to account for emissions from NO_2 , CO, PM_{10} , and $\text{PM}_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Perris monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site has been used to determine operational air quality impacts for emissions of PM_{10} and $\text{PM}_{2.5}$, since PM_{10} and $\text{PM}_{2.5}$ thresholds are based on a 24-hour averaging time.

Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (10).*" Therefore, any adjacent land use where an individual could remain for 1 or 8-hours, that is located at a closer distance to the Project site than the receptor

used for PM₁₀ and PM_{2.5} analysis, must be considered to determine operational LST air impacts for emissions of NO₂ and CO since these pollutants have an averaging time of 1 and 8-hours.

Receptors in the Project study area are described below and shown on Exhibit 1. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

- R1: Location R1 represents the existing residence at 25780 Trumble Road, approximately 1,793 feet east of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R1 is placed at the building façade.
- R2: Location R2 represents the existing residence at 26038 Hull Street, approximately 1,925 feet southwest of the Project site. Receptor R2 is placed in the private outdoor living area (backyard) facing the Project site.
- R3: Location R3 represents the proposed future residential development located approximately 60 feet west of the Project site.
- R4: Location R4 represents the proposed future residential development located approximately 45 feet west of the Project site.
- R5: Location R5 represents the Perris Valley Regional Water Reclamation Facility located at 1301 Case Road, approximately 173 feet north of the Project site. Receptor R5 is placed at the building façade.

EXHIBIT 1: RECEPTOR LOCATIONS



CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated on Table 7. On-site construction emissions were modeled in CalEEMod utilizing model default. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during construction activity would be less than significant. Outputs from the model runs for construction LSTs are provided in Attachment D.

TABLE 7: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION

Peak Construction	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.05	0.02	0.03	1.90	1.06
Background Concentration ^A	0.9	0.8	0.044		
Total Concentration	0.95	0.82	0.08	1.90	1.06
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Notes: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm.

OPERATIONAL-SOURCE LOCALIZED EMISSIONS

The LST analysis generally includes on-site sources (area, energy, mobile, TRUs, and on-site cargo handling equipment – are previously discussed in this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. As such, to establish a maximum potential impact scenario for analytic purposes, the modeled emissions include all on-site Project-related stationary (area) sources and on-site Project-related mobile emissions. In order to account for on-site mobile emissions, a trip length of 0.5 miles was utilized for both trucks and passenger cars.

Emissions during peak operational activity will not exceed the SCAQMD's localized significance thresholds at the maximally impacted receptor location for the proposed Project, as shown on Table 8. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during operational activity would be less than significant. Outputs from the model runs for operational LSTs are provided in Attachment D.

TABLE 8: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS

Peak Operation	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	5.72E-02	4.04E-02	5.09E-03	1.92	0.59
Background Concentration ^A	0.9	0.8	0.044		
Total Concentration	0.96	0.84	0.05	1.92	0.59
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Notes: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm.

CONCLUSION

Results of the assessment indicate that the proposed Project would result in a net reduction in criteria and GHG pollutant emissions, and thus would not result in any greater impacts than were previously identified under the approved Specific Plan. As such, criteria and GHG emissions associated with the proposed Project would result in a less than significant impact. Additionally, the results of the analysis indicate that the proposed Project would not result in any significant localized impacts as a result of Project operational emissions.

If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

REFERENCES

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8. **South Coast Air Quality Management District.** *WAIRE Implementation Guidelines*. 2021.
9. **Lake Environmental.** US EPA Models. *Lake Environmental*. [Online] http://www.weblakes.com/download/us_epa.html.
10. **California Air Resources Board.** 2019 GHG Inventory. *California Greenhouse Gas Emission Inventory 2000-2017 Edition*. [Online] [Cited: September 19, 2019.] <http://www.arb.ca.gov/cc/inventory/data/data.htm>.

ATTACHMENT A:
STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C

Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

Appendix C

Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

(Updated 5/4/16)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			
See footnotes on next page ...						

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu\text{g}/\text{m}^3$ to 12.0 $\mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu\text{g}/\text{m}^3$, as was the annual secondary standard of 15 $\mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

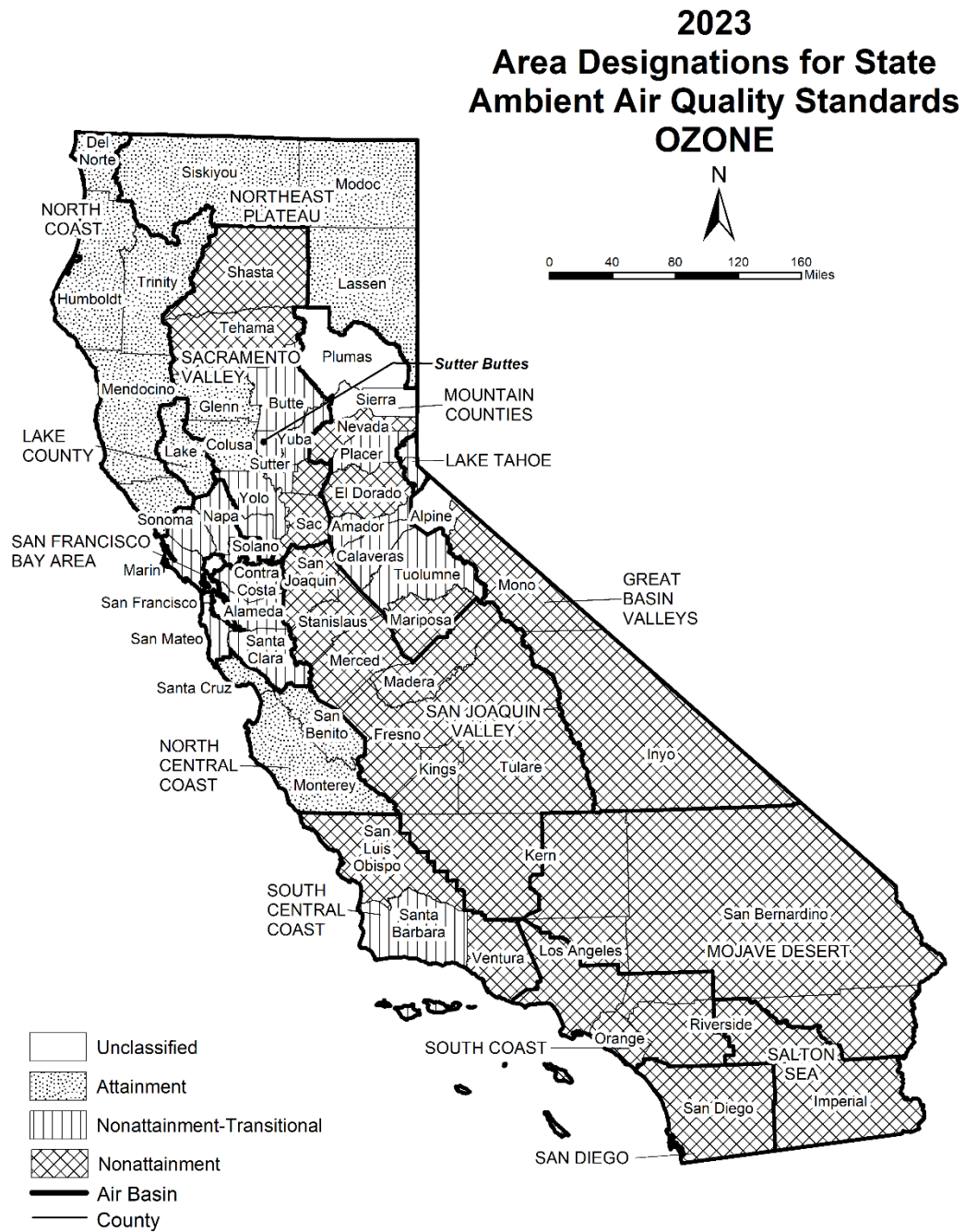
Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Designation	Abbreviation
Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

Figure 1



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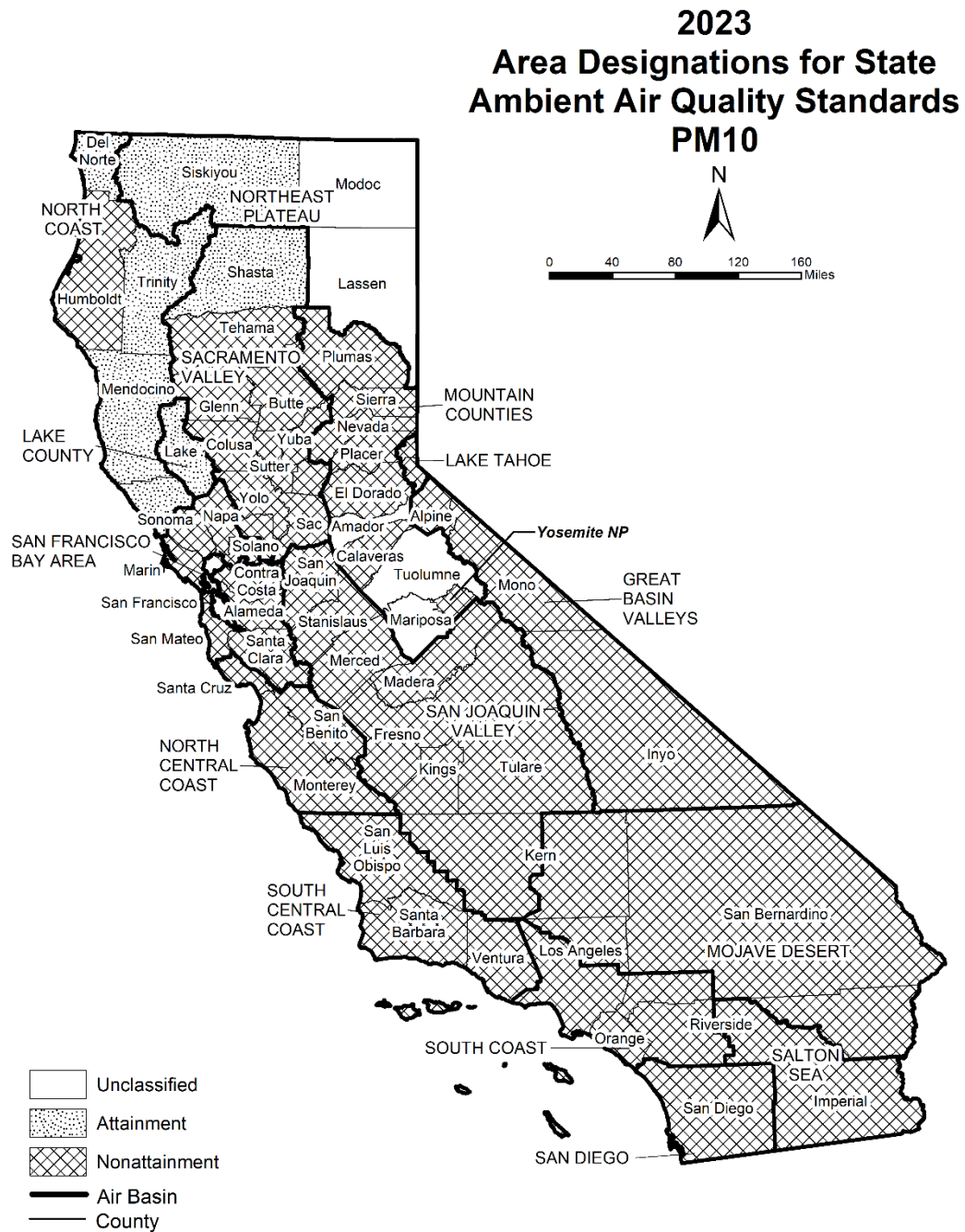
Table 1
California Ambient Air Quality Standards Area Designations for
Ozone¹

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County	N			
Mono County	N			
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN		NA-T		
MOJAVE DESERT AIR BASIN	N			
MOUNTAIN COUNTIES AIR BASIN				
Amador County		NA-T		
Calaveras County		NA-T		
El Dorado County (portion)	N			
Mariposa County	N			
Nevada County	N			
Placer County (portion)		NA-T		
Plumas County			U	
Sierra County			U	
Tuolumne County		NA-T		
NORTH CENTRAL COAST AIR BASIN				A
NORTH COAST AIR BASIN				A
NORTHEAST PLATEAU AIR BASIN				A

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County		NA-T		
Colusa and Glenn Counties				A
Shasta County	N			
Sutter/Yuba Counties				
Sutter Buttes		NA-T		
Remainder of Sutter County		NA-T		
Yuba County		NA-T		
Yolo/Solano Counties		NA-T		
Remainder of Air Basin	N			
SALTON SEA AIR BASIN	N			
SAN DIEGO AIR BASIN	N			
SAN FRANCISCO BAY AREA AIR BASIN		NA-T		
SAN JOAQUIN VALLEY AIR BASIN	N			
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County	N			
Santa Barbara County		NA-T		
Ventura County	N			
SOUTH COAST AIR BASIN	N			

¹ AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

Figure 2



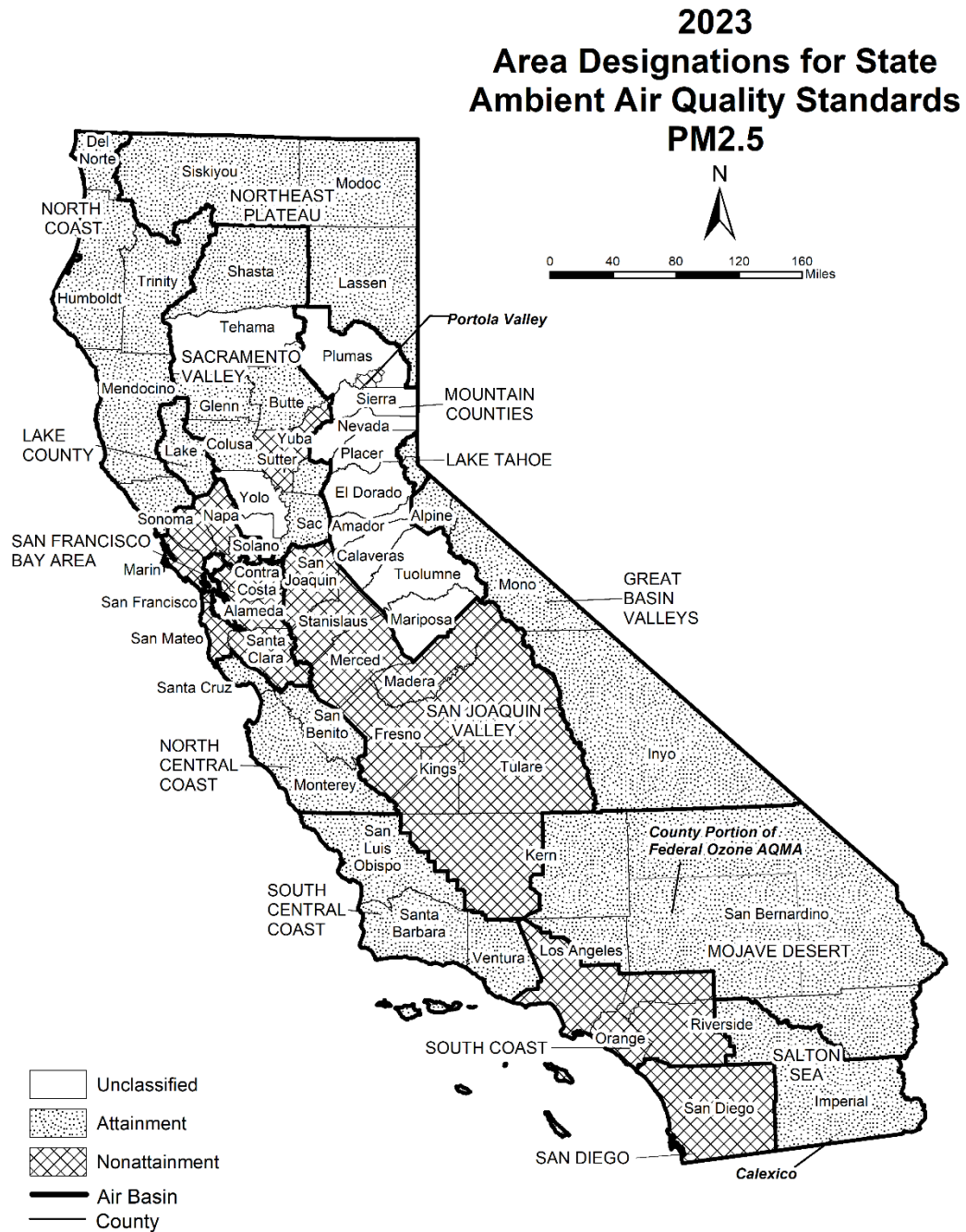
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Table 2
California Ambient Air Quality Standards Area Designations for
Suspended Particulate Matter (PM₁₀)

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN	N		
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN	N		
MOJAVE DESERT AIR BASIN	N		
MOUNTAIN COUNTIES AIR BASIN			
Amador County		U	
Calaveras County	N		
El Dorado County (portion)	N		
Mariposa County			
- Yosemite National Park	N		
- Remainder of County		U	
Nevada County	N		
Placer County (portion)	N		
Plumas County	N		
Sierra County	N		
Tuolumne County		U	

Area	N	U	A
NORTH CENTRAL COAST AIR BASIN	N		
NORTH COAST AIR BASIN			
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties			A
Remainder of Air Basin	N		
NORTHEAST PLATEAU AIR BASIN			
Siskiyou County			A
Remainder of Air Basin		U	
SACRAMENTO VALLEY AIR BASIN			
Shasta County			A
Remainder of Air Basin	N		
SALTON SEA AIR BASIN	N		
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN	N		
SOUTH COAST AIR BASIN	N		

Figure 3



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Table 3
California Ambient Air Quality Standards Area Designations for
Fine Particulate Matter (PM_{2.5})

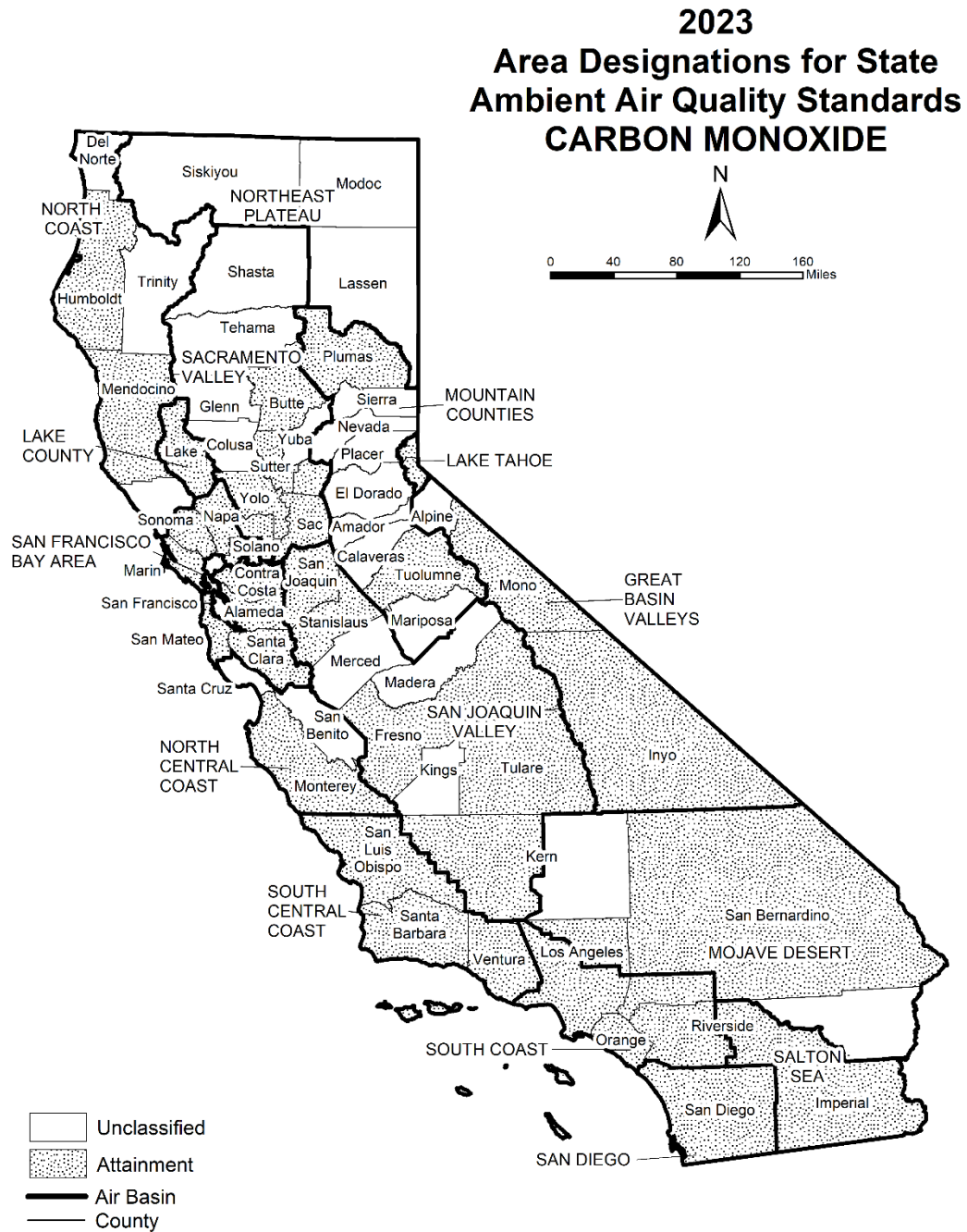
Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			
Plumas County			
- Portola Valley ¹	N		
- Remainder Plumas County		U	
Remainder of Air Basin		U	
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			
Butte County			A
Colusa County			A
Glenn County			A
Placer County (portion)			A
Sacramento County			A
Shasta County			A
Sutter and Yuba Counties	N		
Remainder of Air Basin		U	

Area	N	U	A
SALTON SEA AIR BASIN			
Imperial County			
- City of Calexico ²	N		
Remainder of Air Basin			A
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN	N		

¹ California Code of Regulations, title 17, section 60200(c)

² California Code of Regulations, title 17, section 60200(a)

Figure 4



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Table 4
California Ambient Air Quality Standards Area Designations for
Carbon Monoxide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN				A
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)				A
Riverside County (portion)			U	
San Bernardino County (portion)				A
MOUNTAIN COUNTIES AIR BASIN				
Amador County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County				A
Sierra County			U	
Tuolumne County				A
NORTH CENTRAL COAST AIR BASIN				
Monterey County				A
San Benito County			U	
Santa Cruz County			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County				A
Sonoma County (portion)			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County				A
Colusa County			U	
Glenn County			U	
Placer County (portion)				A
Sacramento County				A
Shasta County			U	
Solano County (portion)				A
Sutter County				A
Tehama County			U	
Yolo County				A
Yuba County			U	
SALTON SEA AIR BASIN				A
SAN DIEGO AIR BASIN				A
SAN FRANCISCO BAY AREA AIR BASIN				A
SAN JOAQUIN VALLEY AIR BASIN				
Fresno County				A
Kern County (portion)				A
Kings County			U	
Madera County			U	
Merced County			U	
San Joaquin County				A
Stanislaus County				A
Tulare County				A
SOUTH CENTRAL COAST AIR BASIN				A
SOUTH COAST AIR BASIN				A

* The area designated for carbon monoxide is a county or portion of a county

Figure 5



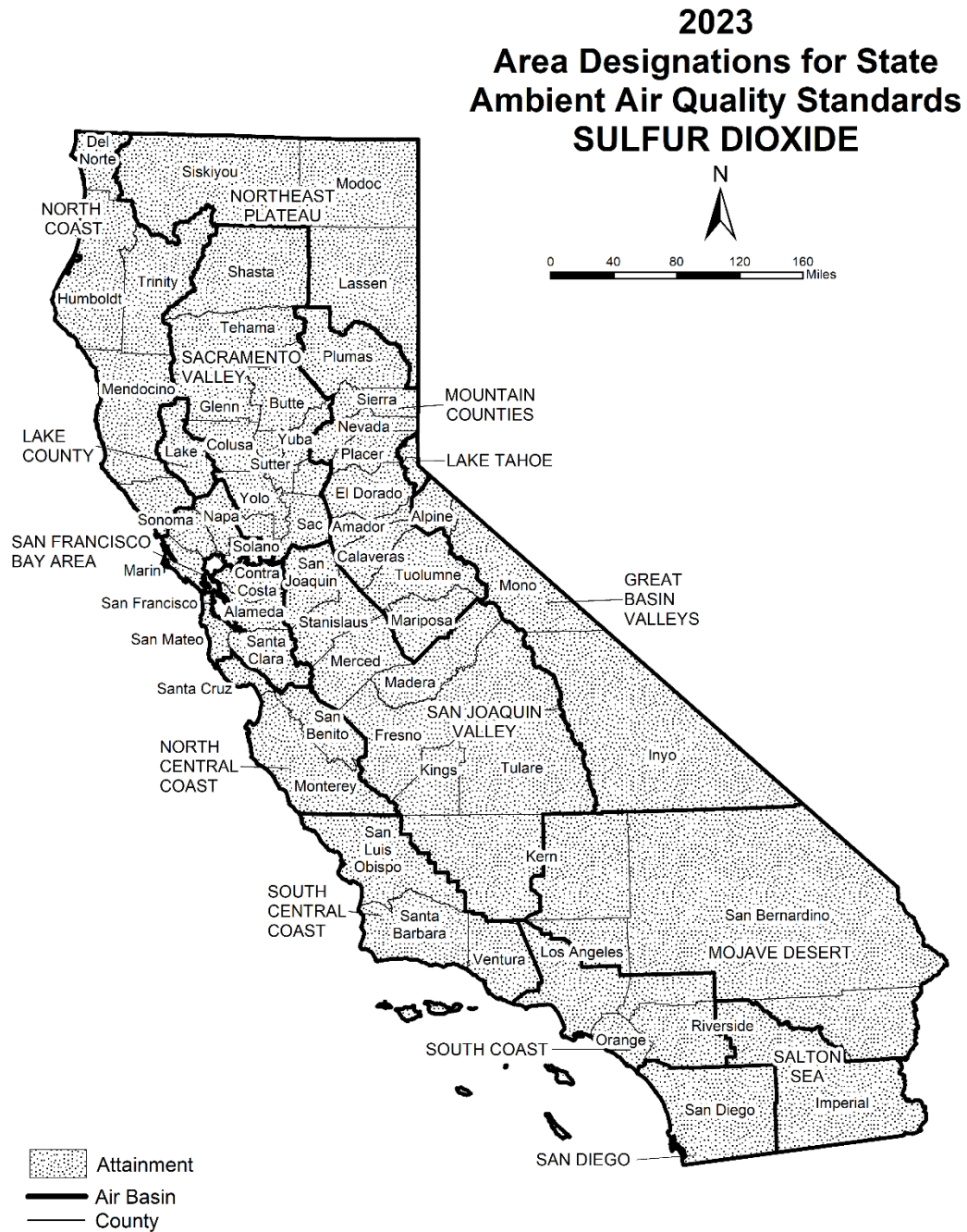
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Table 5
California Ambient Air Quality Standards Area Designations for
Nitrogen Dioxide

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A

Area	N	U	A
SACRAMENTO VALLEY AIR BASIN			A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			
CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties			A
Remainder of Air Basin			A

Figure 6



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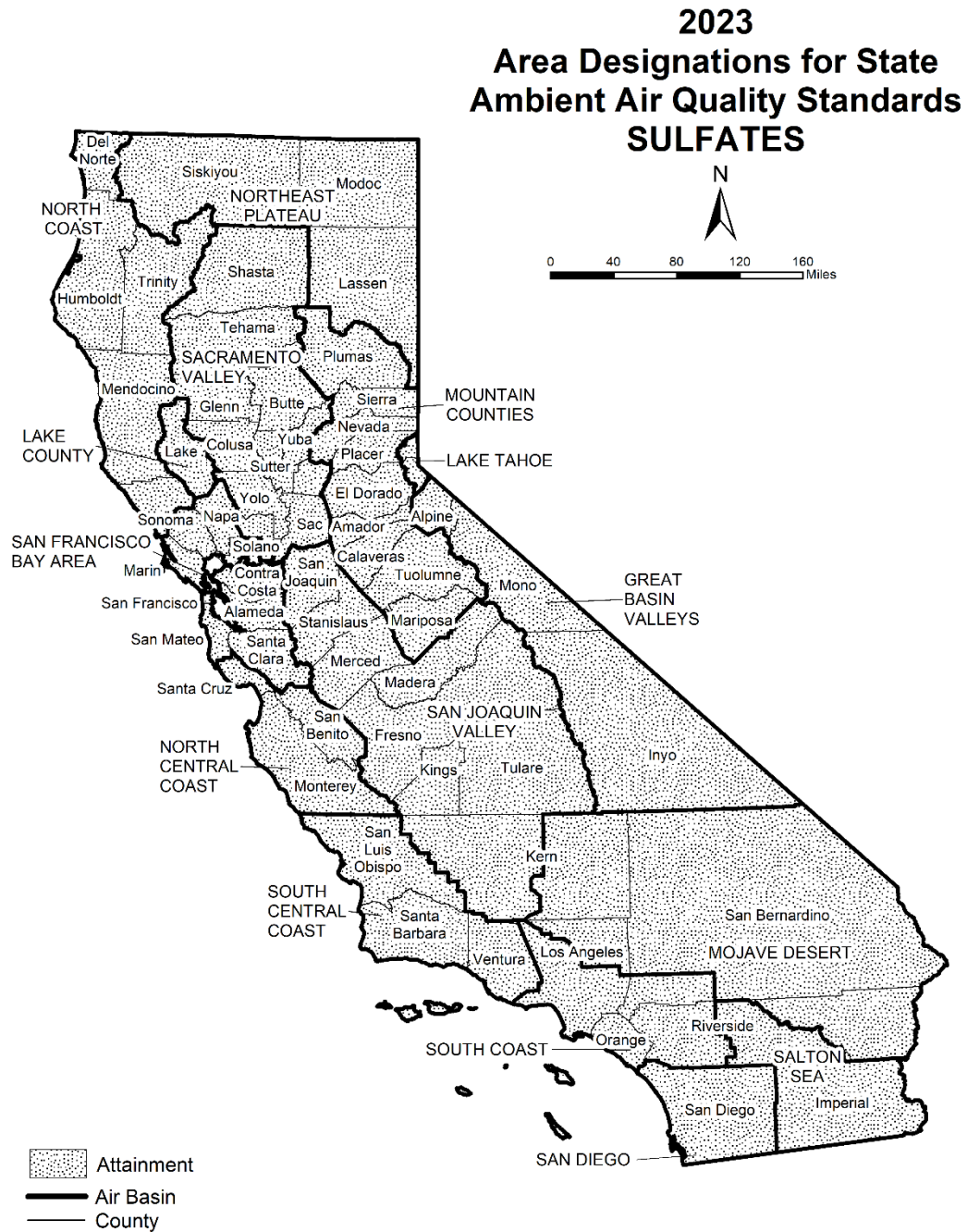
Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	A
GREAT BASIN VALLEYS AIR BASIN		A
LAKE COUNTY AIR BASIN		A
LAKE TAHOE AIR BASIN		A
MOJAVE DESERT AIR BASIN		A
MOUNTAIN COUNTIES AIR BASIN		A
NORTH CENTRAL COAST AIR BASIN		A
NORTH COAST AIR BASIN		A
NORTHEAST PLATEAU AIR BASIN		A

Area	N	A
SACRAMENTO VALLEY AIR BASIN		A
SALTON SEA AIR BASIN		A
SAN DIEGO AIR BASIN		A
SAN FRANCISCO BAY AREA AIR BASIN		A
SAN JOAQUIN VALLEY AIR BASIN		A
SOUTH CENTRAL COAST AIR BASIN		A
SOUTH COAST AIR BASIN		A

* The area designated for sulfur dioxide is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 7



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 7
California Ambient Air Quality Standards Area Designations for
Sulfates

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A

Area	N	U	A
SACRAMENTO VALLEY AIR BASIN			A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

Figure 8



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

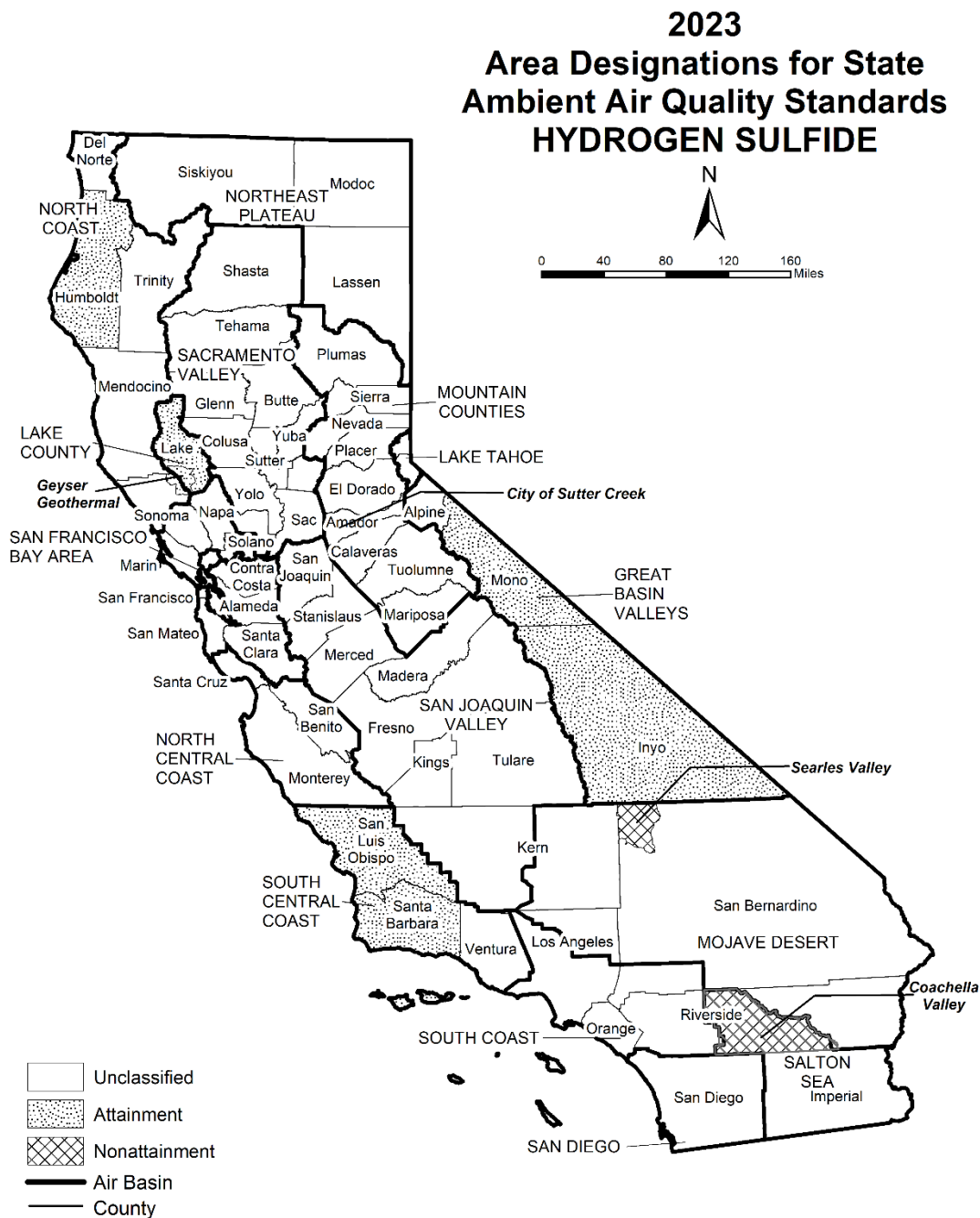
Table 8
California Ambient Air Quality Standards Area Designations for
Lead (particulate)*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			A

Area	N	U	A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 9



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for
Hydrogen Sulfide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)			U	
Riverside County (portion)			U	
San Bernardino County (portion)				
- Searles Valley Planning Area ¹	N			
- Remainder of County			U	
MOUNTAIN COUNTIES AIR BASIN				
Amador County				
- City of Sutter Creek	N			
- Remainder of County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County			U	
Sierra County			U	
Tuolumne County			U	

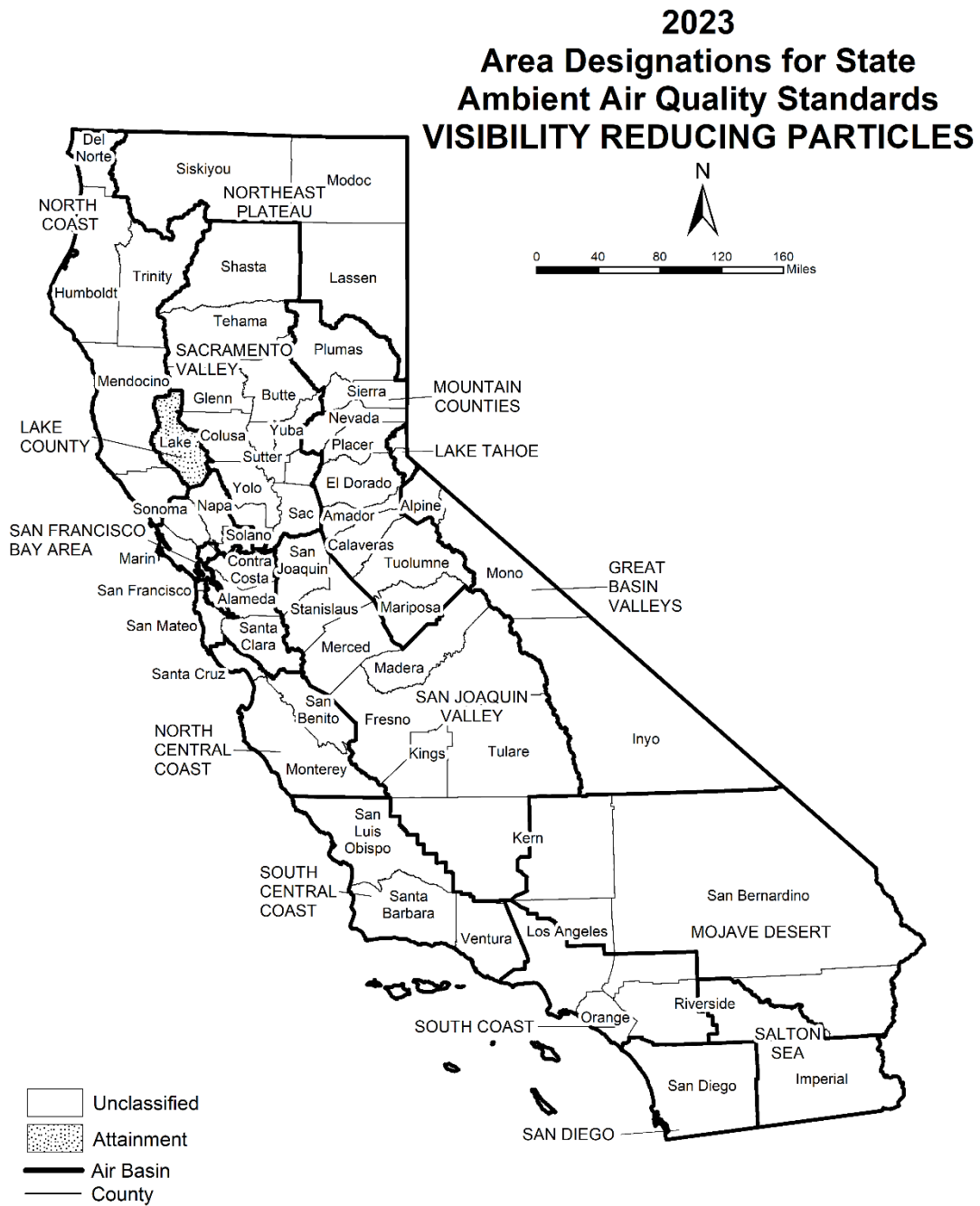
Area	N	NA-T	U	A
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County			U	
Sonoma County (portion)				
- Geyser Geothermal Area ²				A
- Remainder of County			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN				
Riverside County (portion)	N			
Imperial County			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County				A
Santa Barbara County				A
Ventura County			U	
SOUTH COAST AIR BASIN			U	

* The area designated for hydrogen sulfide is a county or portion of a county

¹ 52 Federal Register 29384 (August 7, 1987)

² California Code of Regulations, title 17, section 60200(d)

Figure 10



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 10
California Ambient Air Quality Standards Area Designations for
Visibility Reducing Particles

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			U	
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN			U	
MOUNTAIN COUNTIES AIR BASIN			U	
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN			U	
SOUTH COAST AIR BASIN			U	

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

<https://www.epa.gov/green-book>

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

<https://www.epa.gov/criteria-air-pollutants>

Designation Categories

Suspended Particulate Matter (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

- Attainment (A)
- Nonattainment (N)
- Unclassifiable (U)

Ozone, Fine Suspended Particulate Matter (PM_{2.5}), Carbon Monoxide (CO), and Nitrogen Dioxide (NO₂). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment (N)
- Unclassifiable/Attainment (U/A)

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Area designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary PM_{2.5} standard of 12.0 µg/m³. Area designations were finalized in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO₂ standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO₂ standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO₂). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO₂ standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual average standards. Area designations for the 1-hour SO₂ standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m³. Designations were made for this standard in November 2010.

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: https://ecfr.io/Title-40/se40.20.81_1305

Figure 11



Last Updated: November 2023
 Map reflects the 2015 8-hour ozone standard of 0.070 ppm
 Air Quality Planning and Science Division, CARB

Table 11
National Ambient Air Quality Standards Area Designations for
8-Hour Ozone*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Amador County	N	
Calaveras County	N	
El Dorado County (portion) ¹	N	
Mariposa County	N	
Nevada County		
- Western Nevada County	N	
- Remainder of County		U/A
Placer County (portion) ¹	N	
Plumas County		U/A
Sierra County		U/A
Tuolumne County	N	
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Butte County	N	
Colusa County		U/A
Glenn County		U/A
Sacramento Metro Area ¹	N	
Shasta County		U/A
Sutter County		
- Sutter Buttes	N	
- Southern portion of Sutter County ¹	N	
- Remainder of Sutter County		U/A
Tehama County		
- Tuscan Buttes	N	
- Remainder of Tehama County		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN (cont.)		
Yolo County ¹	N	
Yuba County		U/A
SAN DIEGO COUNTY	N	
SAN FRANCISCO BAY AREA AIR BASIN	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN ²		
San Luis Obispo County		
- Eastern San Luis Obispo County	N	
- Remainder of County		U/A
Santa Barbara County		U/A
Ventura County		
- Area excluding Anacapa and San Nicolas Islands	N	
- Channel Islands ²		U/A
SOUTH COAST AIR BASIN ²	N	
SOUTHEAST DESERT AIR BASIN		
Kern County (portion)	N	
- Indian Wells Valley		U/A
Imperial County	N	
Los Angeles County (portion)	N	
Riverside County (portion)		
- Coachella Valley	N	
- Non-AQMA portion		U/A
San Bernardino County		
- Western portion (AQMA)	N	
- Eastern portion (non-AQMA)		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and Table reflect the 2015 8-hour ozone standard of 0.070 ppm.

¹ For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

² South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

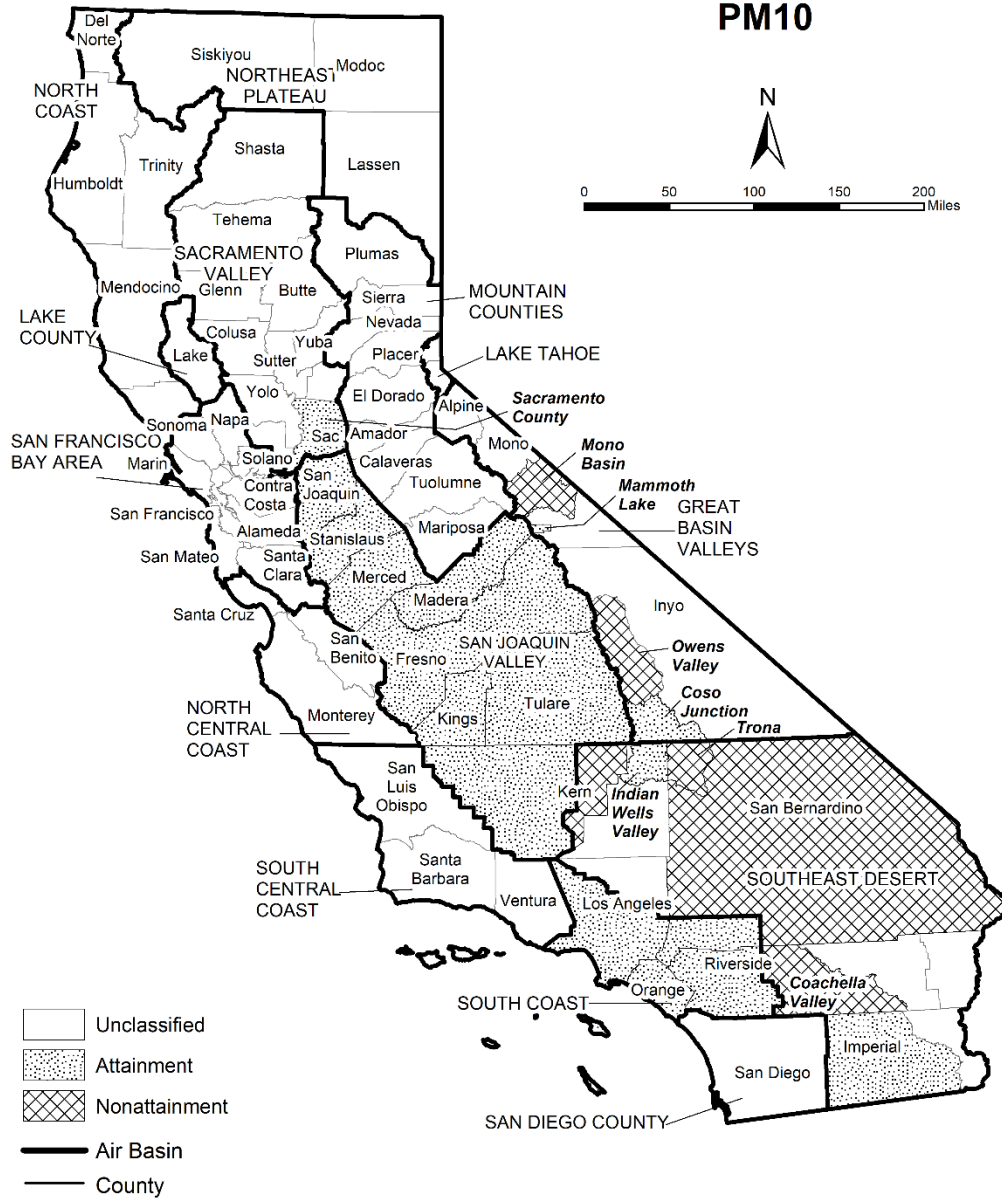
Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 12

Area Designations for National Ambient Air Quality Standards PM₁₀



Last Updated: November 2023
Air Quality Planning and Science Division

Table 12
National Ambient Air Quality Standards Area Designations for
Suspended Particulate Matter (PM₁₀)*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			
Alpine County		U	
Inyo County			
- Owens Valley Planning Area	N		
- Coso Junction			A
- Remainder of County		U	
Mono County			
- Mammoth Lake Planning Area			A
- Mono Lake Basin	N		
- Remainder of County		U	
LAKE COUNTY AIR BASIN		U	
LAKE TAHOE AIR BASIN		U	
MOUNTAIN COUNTIES AIR BASIN		U	
NORTH CENTRAL COAST AIR BASIN		U	
NORTH COAST AIR BASIN		U	
NORTHEAST PLATEAU AIR BASIN		U	
SACRAMENTO VALLEY AIR BASIN			
Sacramento County ¹			A
Remainder of Air Basin		U	
SAN DIEGO COUNTY		U	

Area	N	U	A
SAN FRANCISCO BAY AREA AIR BASIN		U	
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN		U	
SOUTH COAST AIR BASIN			A
SOUTHEAST DESERT AIR BASIN			
Eastern Kern County			
- Indian Wells Valley			A
- Portion within San Joaquin Valley Planning Area	N		
- Remainder of County		U	
Imperial County			
- Imperial Valley Planning Area ²			A
- Remainder of County		U	
Los Angeles County (portion)		U	
Riverside County (portion)			
- Coachella Valley	N		
- Non-AQMA portion		U	
San Bernardino County			
- Trona	N		
- Remainder of County	N		

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

¹ Air quality in Sacramento County meets the national PM₁₀ standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

² The request for redesignation to attainment for the Imperial Valley Planning Area was approved by U.S. EPA in September 2020, effective October 2020.

Figure 13



Last Updated: November 2023
Air Quality Planning and Science Division

Table 13
National Ambient Air Quality Standards Area Designations for
Fine Particulate Matter (PM_{2.5})

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Plumas County		
- Portola Valley Portion of Plumas County	N	
- Remainder of Plumas County		U/A
Remainder of Air Basin		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Sacramento Metro Area ¹	N	
Remainder of Air Basin		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN ²	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN ³	N	
SOUTHEAST DESERT AIR BASIN		
Imperial County (portion) ⁴	N	
Remainder of Air Basin		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM_{2.5} standard as well as the 1997 and 2012 PM_{2.5} annual standards.

¹ For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

² Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

³ Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

⁴ That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

Figure 14



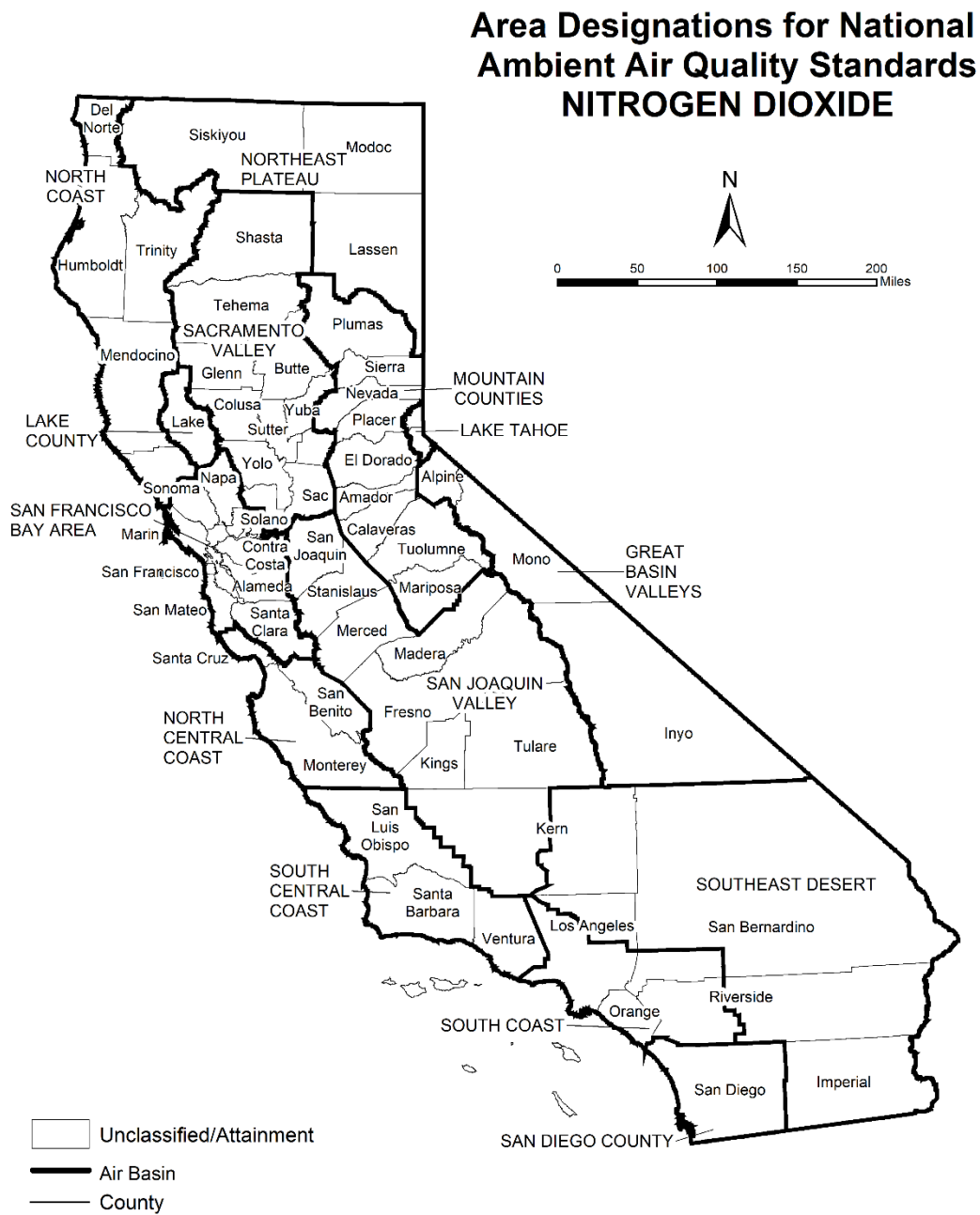
Last Updated: November 2023
Air Quality Planning and Science Division

Table 14
National Ambient Air Quality Standards Area Designations for
Carbon Monoxide*

Area	N	U/A	Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A	SACRAMENTO VALLEY AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A	SAN DIEGO COUNTY		U/A
LAKE TAHOE AIR BASIN		U/A	SAN FRANCISCO BAY AREA AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A	SAN JOAQUIN VALLEY AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A	SOUTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A	SOUTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A	SOUTHEAST DESERT AIR BASIN		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 15



Last Updated: November 2023
Air Quality Planning and Science Division

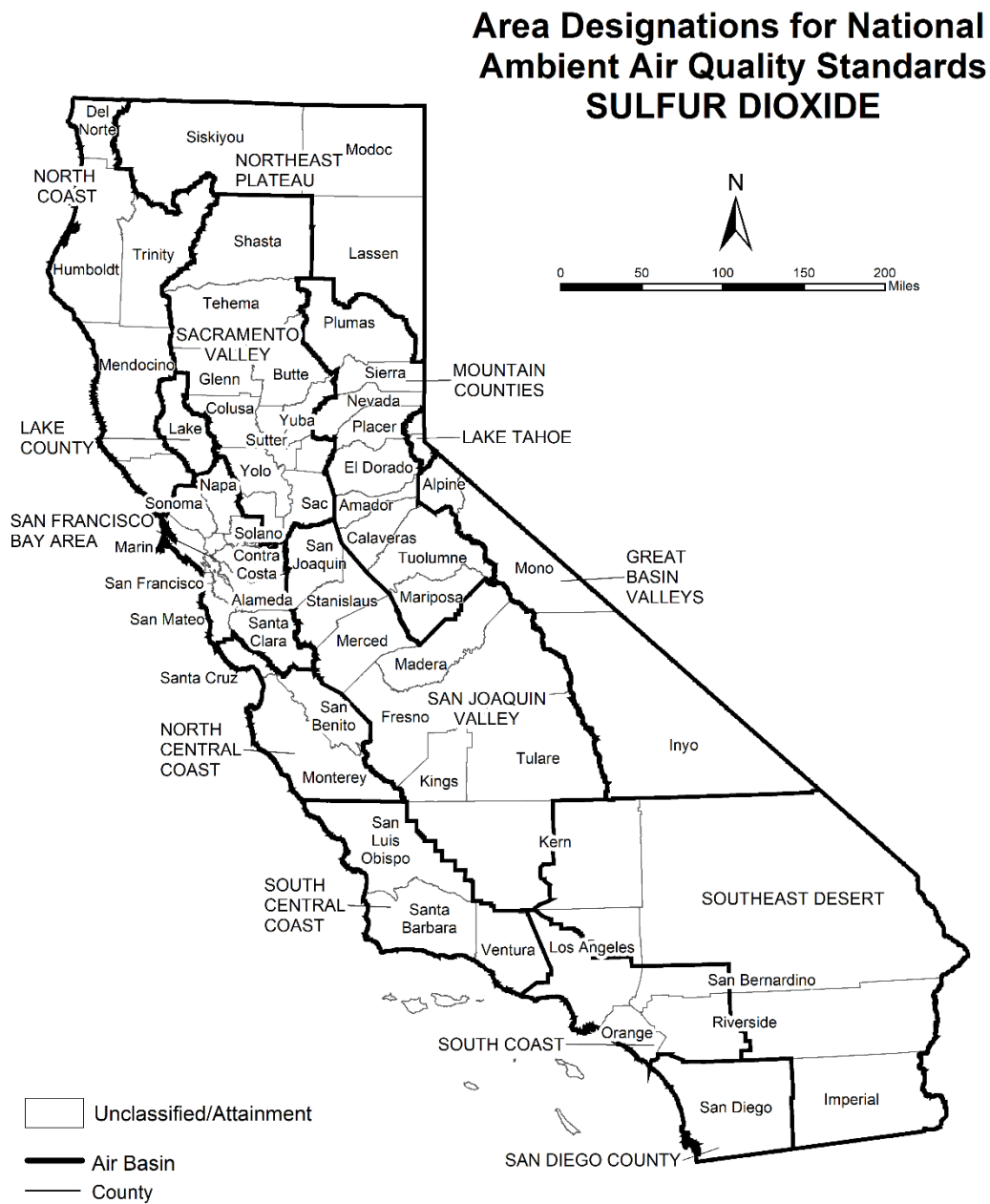
Table 15
National Ambient Air Quality Standards Area Designations for
Nitrogen Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 16



Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN ¹		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

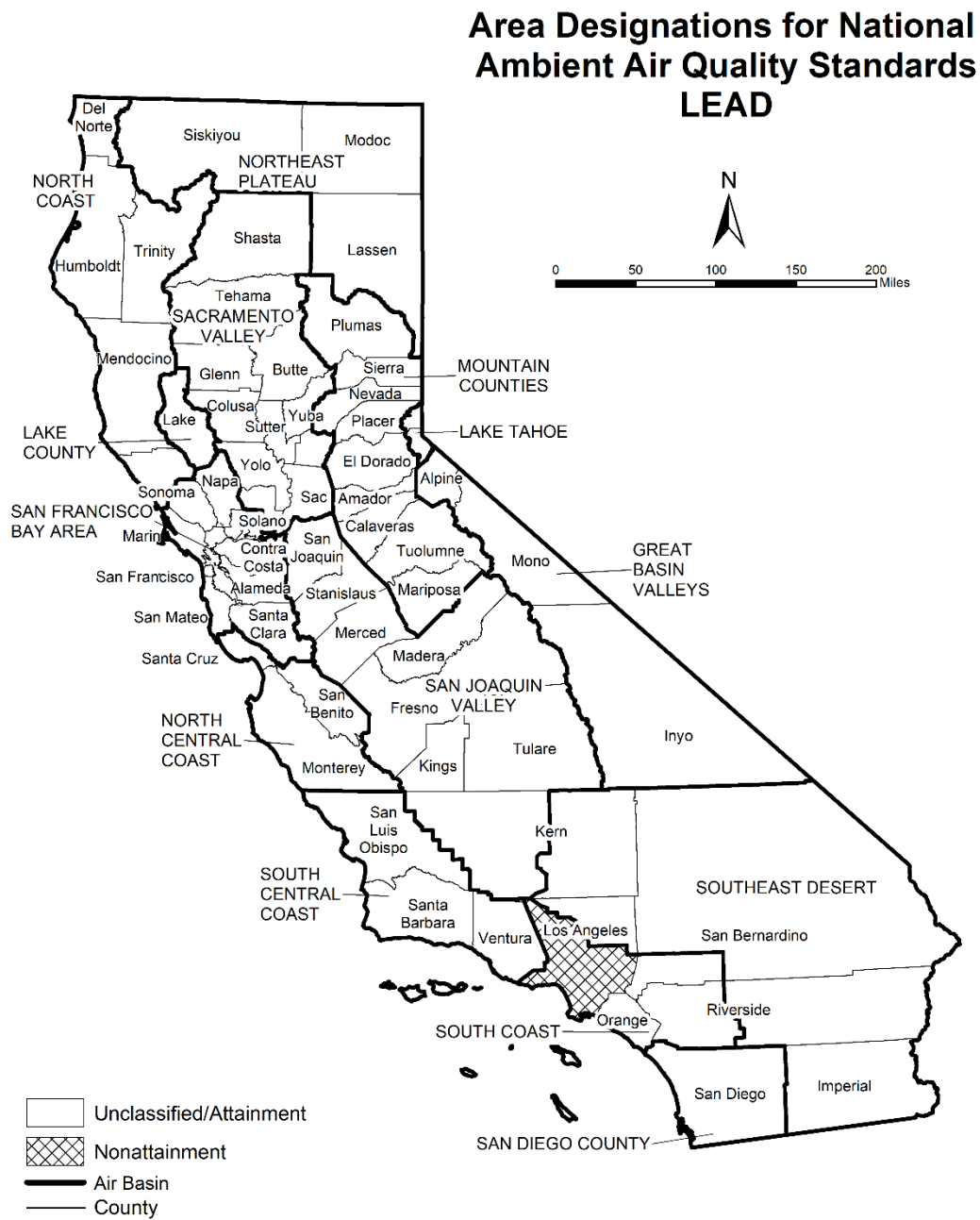
* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.
 NOTE: This map and table reflect the 2010 1-hour SO₂ standard of 75 ppb.

¹ South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
 Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

Figure 17



Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for
Lead (particulate)

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		
Los Angeles County (portion) ¹	N	
Remainder of Air Basin		U/A
SOUTHEAST DESERT AIR BASIN		U/A

¹ Portion of County in Air Basin, not including Channel Islands

ATTACHMENT B:
CALEEMOD ADOPTED SPECIFIC PLAN MODEL OUTPUTS

15360-06 Green Valley 1990 SP Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15360-06 Green Valley 1990 SP
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.74844659717799, -117.1956777431499
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5512
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	564	1000sqft	12.9	564,000	293,501	—	—	—

General Office Building	472	1000sqft	10.8	471,500	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	165	175	143	1,308	3.20	2.97	274	277	2.81	69.7	72.5	872	349,855	350,726	103	15.2	1,122	358,941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	147	159	153	1,060	3.00	2.89	274	277	2.75	69.7	72.4	872	330,122	330,994	103	15.6	31.5	338,267
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	112	126	115	829	2.21	2.31	199	201	2.20	50.5	52.7	872	249,245	250,117	100.0	11.7	353	256,465
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.4	23.1	21.0	151	0.40	0.42	36.3	36.8	0.40	9.22	9.62	144	41,265	41,410	16.6	1.94	58.5	42,461

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	156	143	135	1,256	3.15	2.31	274	277	2.17	69.7	71.8	—	322,171	322,171	12.4	14.1	1,120	327,793
Area	8.01	32.2	0.38	45.0	< 0.005	0.08	—	0.08	0.06	—	0.06	—	185	185	0.01	< 0.005	—	186
Energy	0.84	0.42	7.67	6.45	0.05	0.58	—	0.58	0.58	—	0.58	—	26,287	26,287	2.44	0.22	—	26,412
Water	—	—	—	—	—	—	—	—	—	—	—	353	1,212	1,564	36.3	0.87	—	2,732
Waste	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Total	165	175	143	1,308	3.20	2.97	274	277	2.81	69.7	72.5	872	349,855	350,726	103	15.2	1,122	358,941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	146	133	145	1,053	2.96	2.31	274	277	2.17	69.7	71.8	—	302,624	302,624	12.9	14.5	29.0	307,305
Area	—	24.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.84	0.42	7.67	6.45	0.05	0.58	—	0.58	0.58	—	0.58	—	26,287	26,287	2.44	0.22	—	26,412
Water	—	—	—	—	—	—	—	—	—	—	—	353	1,212	1,564	36.3	0.87	—	2,732
Waste	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Total	147	159	153	1,060	3.00	2.89	274	277	2.75	69.7	72.4	872	330,122	330,994	103	15.6	31.5	338,267
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	106	96.1	107	792	2.17	1.67	199	201	1.57	50.5	52.1	—	221,620	221,620	9.36	10.6	351	225,376
Area	5.49	29.9	0.26	30.8	< 0.005	0.05	—	0.05	0.04	—	0.04	—	127	127	0.01	< 0.005	—	127
Energy	0.84	0.42	7.67	6.45	0.05	0.58	—	0.58	0.58	—	0.58	—	26,287	26,287	2.44	0.22	—	26,412
Water	—	—	—	—	—	—	—	—	—	—	—	353	1,212	1,564	36.3	0.87	—	2,732
Waste	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Total	112	126	115	829	2.21	2.31	199	201	2.20	50.5	52.7	872	249,245	250,117	100.0	11.7	353	256,465

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.3	17.5	19.5	145	0.40	0.31	36.3	36.6	0.29	9.22	9.51	—	36,692	36,692	1.55	1.76	58.1	37,313
Area	1.00	5.45	0.05	5.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.0	21.0	< 0.005	< 0.005	—	21.1
Energy	0.15	0.08	1.40	1.18	0.01	0.11	—	0.11	0.11	—	0.11	—	4,352	4,352	0.40	0.04	—	4,373
Water	—	—	—	—	—	—	—	—	—	—	—	58.4	201	259	6.01	0.14	—	452
Waste	—	—	—	—	—	—	—	—	—	—	—	85.9	0.00	85.9	8.59	0.00	—	301
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Total	20.4	23.1	21.0	151	0.40	0.42	36.3	36.8	0.40	9.22	9.62	144	41,265	41,410	16.6	1.94	58.5	42,461

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	30.4	27.9	26.4	245	0.62	0.45	53.6	54.1	0.42	13.6	14.0	—	62,929	62,929	2.42	2.75	219	64,027
General Office Building	125	115	109	1,011	2.53	1.86	221	223	1.74	56.1	57.8	—	259,242	259,242	9.98	11.3	901	263,765
Total	156	143	135	1,256	3.15	2.31	274	277	2.17	69.7	71.8	—	322,171	322,171	12.4	14.1	1,120	327,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	28.6	26.1	28.3	206	0.58	0.45	53.6	54.1	0.42	13.6	14.0	—	59,111	59,111	2.51	2.84	5.67	60,025

General Office Building	118	107	117	847	2.38	1.86	221	223	1.75	56.1	57.8	—	243,513	243,513	10.4	11.7	23.4	247,279
Total	146	133	145	1,053	2.96	2.31	274	277	2.17	69.7	71.8	—	302,624	302,624	12.9	14.5	29.0	307,305
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	3.85	3.51	3.91	28.9	0.08	0.06	7.27	7.33	0.06	1.84	1.90	—	7,339	7,339	0.31	0.35	11.6	7,463
General Office Building	15.4	14.0	15.6	116	0.32	0.24	29.1	29.3	0.23	7.38	7.61	—	29,353	29,353	1.24	1.41	46.5	29,851
Total	19.3	17.5	19.5	145	0.40	0.31	36.3	36.6	0.29	9.22	9.51	—	36,692	36,692	1.55	1.76	58.1	37,313

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	9,331	9,331	0.89	0.11	—	9,385
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	7,801	7,801	0.74	0.09	—	7,846
Total	—	—	—	—	—	—	—	—	—	—	—	—	17,132	17,132	1.63	0.20	—	17,232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	9,331	9,331	0.89	0.11	—	9,385

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	7,801	7,801	0.74	0.09	—	7,846
Total	—	—	—	—	—	—	—	—	—	—	—	—	17,132	17,132	1.63	0.20	—	17,232
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	1,545	1,545	0.15	0.02	—	1,554
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,292	1,292	0.12	0.01	—	1,299
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,836	2,836	0.27	0.03	—	2,853

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.46	0.23	4.18	3.51	0.03	0.32	—	0.32	0.32	—	0.32	—	4,986	4,986	0.44	0.01	—	5,000
General Office Building	0.38	0.19	3.49	2.93	0.02	0.27	—	0.27	0.27	—	0.27	—	4,169	4,169	0.37	0.01	—	4,180
Total	0.84	0.42	7.67	6.45	0.05	0.58	—	0.58	0.58	—	0.58	—	9,155	9,155	0.81	0.02	—	9,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.46	0.23	4.18	3.51	0.03	0.32	—	0.32	0.32	—	0.32	—	4,986	4,986	0.44	0.01	—	5,000
General Office Building	0.38	0.19	3.49	2.93	0.02	0.27	—	0.27	0.27	—	0.27	—	4,169	4,169	0.37	0.01	—	4,180

Total	0.84	0.42	7.67	6.45	0.05	0.58	—	0.58	0.58	—	0.58	—	9,155	9,155	0.81	0.02	—	9,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	826	826	0.07	< 0.005	—	828
General Office Building	0.07	0.04	0.64	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	690	690	0.06	< 0.005	—	692
Total	0.15	0.08	1.40	1.18	0.01	0.11	—	0.11	0.11	—	0.11	—	1,516	1,516	0.13	< 0.005	—	1,520

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.01	7.39	0.38	45.0	< 0.005	0.08	—	0.08	0.06	—	0.06	—	185	185	0.01	< 0.005	—	186
Total	8.01	32.2	0.38	45.0	< 0.005	0.08	—	0.08	0.06	—	0.06	—	185	185	0.01	< 0.005	—	186
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	24.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.00	0.92	0.05	5.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.0	21.0	< 0.005	< 0.005	—	21.1
Total	1.00	5.45	0.05	5.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.0	21.0	< 0.005	< 0.005	—	21.1

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	192	671	863	19.8	0.48	—	1,499
General Office Building	—	—	—	—	—	—	—	—	—	—	—	161	541	702	16.5	0.40	—	1,233

Total	—	—	—	—	—	—	—	—	—	—	—	353	1,212	1,564	36.3	0.87	—	2,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	192	671	863	19.8	0.48	—	1,499
General Office Building	—	—	—	—	—	—	—	—	—	—	—	161	541	702	16.5	0.40	—	1,233
Total	—	—	—	—	—	—	—	—	—	—	—	353	1,212	1,564	36.3	0.87	—	2,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.8	111	143	3.27	0.08	—	248
General Office Building	—	—	—	—	—	—	—	—	—	—	—	26.6	89.6	116	2.73	0.07	—	204
Total	—	—	—	—	—	—	—	—	—	—	—	58.4	201	259	6.01	0.14	—	452

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	283	0.00	283	28.3	0.00	—	989
General Office Building	—	—	—	—	—	—	—	—	—	—	—	236	0.00	236	23.6	0.00	—	827
Total	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,816

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	283	0.00	283	28.3	0.00	—	989
General Office Building	—	—	—	—	—	—	—	—	—	—	—	236	0.00	236	23.6	0.00	—	827
Total	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,816
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.8	0.00	46.8	4.68	0.00	—	164
General Office Building	—	—	—	—	—	—	—	—	—	—	—	39.1	0.00	39.1	3.91	0.00	—	137
Total	—	—	—	—	—	—	—	—	—	—	—	85.9	0.00	85.9	8.59	0.00	—	301

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.37	1.37
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.37	1.37
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	6,754	925	429	1,831,419	75,657	10,361	4,802	20,515,381
General Office Building	27,823	1,042	330	7,325,453	311,673	11,673	3,697	82,059,036

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,553,250	517,750	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	9,837,949	346	0.0330	0.0040	15,558,873
General Office Building	8,224,456	346	0.0330	0.0040	13,007,107

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	100,241,834	4,653,667
General Office Building	83,801,462	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	525	—
General Office Building	438	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.9	annual days of extreme heat
Extreme Precipitation	2.60	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	7.84	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	91.1
AQ-PM	51.4
AQ-DPM	21.5

Drinking Water	67.4
Lead Risk Housing	21.2
Pesticides	70.2
Toxic Releases	24.2
Traffic	74.1
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	50.1
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	48.8
Cardio-vascular	78.2
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	79.3
Housing	24.9
Linguistic	16.4
Poverty	46.8
Unemployment	73.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	60.29770307

Employed	40.65186706
Median HI	53.71487232
Education	—
Bachelor's or higher	37.28987553
High school enrollment	21.68612858
Preschool enrollment	56.08879764
Transportation	—
Auto Access	87.47593995
Active commuting	24.03438984
Social	—
2-parent households	65.68715514
Voting	37.14872321
Neighborhood	—
Alcohol availability	82.31746439
Park access	26.70345182
Retail density	10.84306429
Supermarket access	22.85384319
Tree canopy	2.014628513
Housing	—
Homeownership	88.6179905
Housing habitability	84.80687797
Low-inc homeowner severe housing cost burden	74.63107917
Low-inc renter severe housing cost burden	62.78711664
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	49.23649429
Arthritis	1.9

Asthma ER Admissions	51.4
High Blood Pressure	4.3
Cancer (excluding skin)	3.1
Asthma	46.1
Coronary Heart Disease	2.1
Chronic Obstructive Pulmonary Disease	9.6
Diagnosed Diabetes	20.7
Life Expectancy at Birth	41.6
Cognitively Disabled	70.6
Physically Disabled	50.9
Heart Attack ER Admissions	20.0
Mental Health Not Good	57.3
Chronic Kidney Disease	3.6
Obesity	36.5
Pedestrian Injuries	19.6
Physical Health Not Good	33.7
Stroke	7.6
Health Risk Behaviors	—
Binge Drinking	80.1
Current Smoker	59.6
No Leisure Time for Physical Activity	36.0
Climate Change Exposures	—
Wildfire Risk	7.4
SLR Inundation Area	0.0
Children	31.0
Elderly	48.0
English Speaking	75.4

Foreign-born	34.0
Outdoor Workers	12.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	83.3
Traffic Density	34.3
Traffic Access	23.0
Other Indices	—
Hardship	58.4
Other Decision Support	—
2016 Voting	52.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	50.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis

ATTACHMENT C:
CALEEMOD PROPOSED PROJECT MODEL OUTPUTS

15360 Green Valley SP Construction Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15360 Green Valley SP Construction
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.74924557445205, -117.19617550359357
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5512
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-Rail	116	1000sqft	2.66	116,000	293,501	—	—	—

Parking Lot	2.75	Acre	2.75	0.00	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	498	1000sqft	11.4	498,000	0.00	—	—	—
Hotel	128	Room	4.27	185,856	0.00	—	—	—
Regional Shopping Center	319	1000sqft	7.32	319,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	21.6	1000sqft	0.50	21,600	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.60	1000sqft	0.13	5,600	0.00	—	—	—
Other Asphalt Surfaces	6.79	Acre	6.79	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.35	4.49	42.5	35.3	0.06	2.25	5.66	7.91	2.07	2.69	4.76	—	6,715	6,715	0.27	0.05	0.00	6,738
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.69	102	37.6	39.6	0.07	1.77	2.67	4.44	1.63	0.98	2.61	—	6,948	6,948	0.28	0.06	0.00	6,972

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.07	15.5	16.2	20.2	0.04	0.69	1.01	1.70	0.64	0.42	1.06	—	3,758	3,758	0.15	0.03	0.00	3,771
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.38	2.82	2.95	3.69	0.01	0.13	0.19	0.31	0.12	0.08	0.19	—	622	622	0.03	0.01	0.00	624

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.35	4.49	42.5	35.3	0.06	2.25	5.66	7.91	2.07	2.69	4.76	—	6,715	6,715	0.27	0.05	0.00	6,738
2025	2.90	2.43	22.6	28.3	0.05	0.93	0.00	0.93	0.86	0.00	0.86	—	5,261	5,261	0.21	0.04	0.00	5,279
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.69	3.94	37.6	31.4	0.06	1.77	2.67	4.44	1.63	0.98	2.61	—	6,715	6,715	0.27	0.05	0.00	6,738
2025	2.90	2.43	22.6	28.3	0.05	0.93	0.00	0.93	0.86	0.00	0.86	—	5,261	5,261	0.21	0.04	0.00	5,279
2026	3.86	102	29.6	39.6	0.07	1.17	0.00	1.17	1.08	0.00	1.08	—	6,948	6,948	0.28	0.06	0.00	6,972
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.81	1.52	14.4	13.1	0.02	0.69	1.01	1.70	0.64	0.42	1.06	—	2,524	2,524	0.10	0.02	0.00	2,533
2025	2.07	1.73	16.2	20.2	0.04	0.67	0.00	0.67	0.61	0.00	0.61	—	3,758	3,758	0.15	0.03	0.00	3,771
2026	0.63	15.5	4.84	6.46	0.01	0.19	0.00	0.19	0.18	0.00	0.18	—	1,140	1,140	0.05	0.01	0.00	1,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.33	0.28	2.63	2.39	< 0.005	0.13	0.19	0.31	0.12	0.08	0.19	—	418	418	0.02	< 0.005	0.00	419
2025	0.38	0.32	2.95	3.69	0.01	0.12	0.00	0.12	0.11	0.00	0.11	—	622	622	0.03	0.01	0.00	624

2026	0.12	2.82	0.88	1.18	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	—	189	189	0.01	< 0.005	0.00	189

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.35	4.49	42.5	35.3	0.05	2.25	—	2.25	2.07	—	2.07	—	5,529	5,529	0.22	0.04	—	5,548
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.49	2.90	< 0.005	0.19	—	0.19	0.17	—	0.17	—	454	454	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.07	0.64	0.53	< 0.005	0.03	—	0.03	0.03	—	0.03	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.69	3.94	37.6	31.4	0.06	1.77	—	1.77	1.63	—	1.63	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.69	3.94	37.6	31.4	0.06	1.77	—	1.77	1.63	—	1.63	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.81	7.72	6.45	0.01	0.36	—	0.36	0.34	—	0.34	—	1,380	1,380	0.06	0.01	—	1,385
Dust From Material Movement	—	—	—	—	—	—	0.55	0.55	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.18	0.15	1.41	1.18	< 0.005	0.07	—	0.07	0.06	—	0.06	—	228	228	0.01	< 0.005	—	229
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.10	2.59	24.3	28.5	0.05	1.08	—	1.08	0.99	—	0.99	—	5,261	5,261	0.21	0.04	—	5,279
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.19	3.73	0.01	0.14	—	0.14	0.13	—	0.13	—	690	690	0.03	0.01	—	692
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.58	0.68	< 0.005	0.03	—	0.03	0.02	—	0.02	—	114	114	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	2.43	22.6	28.3	0.05	0.93	—	0.93	0.86	—	0.86	—	5,261	5,261	0.21	0.04	—	5,279
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	2.43	22.6	28.3	0.05	0.93	—	0.93	0.86	—	0.86	—	5,261	5,261	0.21	0.04	—	5,279

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.73	16.2	20.2	0.04	0.67	—	0.67	0.61	—	0.61	—	3,758	3,758	0.15	0.03	—	3,771
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.95	3.69	0.01	0.12	—	0.12	0.11	—	0.11	—	622	622	0.03	0.01	—	624
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.76	2.31	21.3	28.1	0.05	0.82	—	0.82	0.75	—	0.75	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.59	4.73	0.01	0.14	—	0.14	0.13	—	0.13	—	885	885	0.04	0.01	—	888
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.66	0.86	< 0.005	0.03	—	0.03	0.02	—	0.02	—	147	147	0.01	< 0.005	—	147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516

Paving	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.07	1.50	< 0.005	0.05	—	0.05	0.04	—	0.04	—	228	228	0.01	< 0.005	—	228
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.7	37.7	< 0.005	< 0.005	—	37.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.14	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	—	98.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Architect ural Coatings	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.44	4.44	< 0.005	< 0.005	—	4.46
Architectural Coatings	—	2.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	6/1/2024	7/12/2024	5.00	30.0	—
Grading	Grading	7/13/2024	10/25/2024	5.00	75.0	—
Building Construction	Building Construction	10/26/2024	3/27/2026	5.00	370	—
Paving	Paving	1/12/2026	3/27/2026	5.00	55.0	—
Architectural Coating	Architectural Coating	1/12/2026	3/27/2026	5.00	55.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,719,084	573,028	24,934

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Site Preparation	—	—	105	0.00	—
Grading	—	—	300	0.00	—
Paving	0.00	0.00	0.00	0.00	9.54

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-Rail	0.00	0%
Parking Lot	2.75	100%
Unrefrigerated Warehouse-No Rail	0.00	0%
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Other Asphalt Surfaces	6.79	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.9	annual days of extreme heat
Extreme Precipitation	2.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	7.84	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	91.1
AQ-PM	51.4
AQ-DPM	21.5
Drinking Water	67.4
Lead Risk Housing	21.2
Pesticides	70.2
Toxic Releases	24.2
Traffic	74.1
Effect Indicators	—
CleanUp Sites	0.00

Groundwater	0.00
Haz Waste Facilities/Generators	50.1
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	48.8
Cardio-vascular	78.2
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	79.3
Housing	24.9
Linguistic	16.4
Poverty	46.8
Unemployment	73.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	60.29770307
Employed	40.65186706
Median HI	53.71487232
Education	—
Bachelor's or higher	37.28987553
High school enrollment	21.68612858
Preschool enrollment	56.08879764
Transportation	—

Auto Access	87.47593995
Active commuting	24.03438984
Social	—
2-parent households	65.68715514
Voting	37.14872321
Neighborhood	—
Alcohol availability	82.31746439
Park access	26.70345182
Retail density	10.84306429
Supermarket access	22.85384319
Tree canopy	2.014628513
Housing	—
Homeownership	88.6179905
Housing habitability	84.80687797
Low-inc homeowner severe housing cost burden	74.63107917
Low-inc renter severe housing cost burden	62.78711664
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	49.23649429
Arthritis	1.9
Asthma ER Admissions	51.4
High Blood Pressure	4.3
Cancer (excluding skin)	3.1
Asthma	46.1
Coronary Heart Disease	2.1
Chronic Obstructive Pulmonary Disease	9.6
Diagnosed Diabetes	20.7

Life Expectancy at Birth	41.6
Cognitively Disabled	70.6
Physically Disabled	50.9
Heart Attack ER Admissions	20.0
Mental Health Not Good	57.3
Chronic Kidney Disease	3.6
Obesity	36.5
Pedestrian Injuries	19.6
Physical Health Not Good	33.7
Stroke	7.6
Health Risk Behaviors	—
Binge Drinking	80.1
Current Smoker	59.6
No Leisure Time for Physical Activity	36.0
Climate Change Exposures	—
Wildfire Risk	7.4
SLR Inundation Area	0.0
Children	31.0
Elderly	48.0
English Speaking	75.4
Foreign-born	34.0
Outdoor Workers	12.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	83.3
Traffic Density	34.3
Traffic Access	23.0
Other Indices	—

Hardship	58.4
Other Decision Support	—
2016 Voting	52.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	50.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule adjusted based on Project opening year.
Construction: Off-Road Equipment	Crawler tractors utilized in lieu of tractors/loaders/backhoes during site preparation and grading to account for fugitive dust. Building construction equipment doubled to account for the default schedule being halved. All equipment assumed to operate 8 hours per day.

Construction: Architectural Coatings	Rule 1113
Construction: Trips and VMT	Analysis considers on-site emissions only.

15360-06 Green Valley SP Proposed Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15360-06 Green Valley SP Proposed
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.748882135760624, -117.19539714527318
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5512
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-Rail	116	1000sqft	2.66	116,000	293,501	—	—	Self-Storage

Parking Lot	2.75	Acre	2.75	0.00	0.00	—	—	RV Storage
Unrefrigerated Warehouse-No Rail	498	1000sqft	11.4	498,000	0.00	—	—	—
Hotel	128	Room	4.27	185,856	0.00	—	—	—
Regional Shopping Center	319	1000sqft	7.32	319,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	21.6	1000sqft	0.50	21,600	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.60	1000sqft	0.13	5,600	0.00	—	—	—
User Defined Industrial	498	User Defined Unit	0.00	0.00	0.00	—	—	—
Other Asphalt Surfaces	6.79	Acre	6.79	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	89.8	111	66.7	566	1.26	1.61	103	105	1.53	26.3	27.8	1,042	143,111	144,153	112	7.24	753	149,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	76.1	97.9	70.3	446	1.19	1.52	103	105	1.46	26.3	27.7	1,042	135,554	136,596	112	7.43	345	141,968

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	63.9	86.8	52.0	368	0.85	1.18	72.2	73.3	1.13	18.3	19.4	1,042	100,958	102,000	111	5.66	460	106,924
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.7	15.8	9.49	67.2	0.15	0.22	13.2	13.4	0.21	3.34	3.55	173	16,715	16,887	18.4	0.94	76.2	17,702

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.2	74.0	57.6	509	1.22	0.92	103	104	0.86	26.3	27.1	—	124,620	124,620	5.48	6.28	418	127,046
Area	8.87	35.7	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	89.8	111	66.7	566	1.26	1.61	103	105	1.53	26.3	27.8	1,042	143,111	144,153	112	7.24	753	149,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	74.4	69.1	61.6	439	1.14	0.92	103	104	0.86	26.3	27.1	—	117,268	117,268	5.78	6.46	10.8	119,350
Area	—	27.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630

Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	76.1	97.9	70.3	446	1.19	1.52	103	105	1.46	26.3	27.7	1,042	135,554	136,596	112	7.43	345	141,968
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	57.0	53.2	45.3	329	0.81	0.65	72.2	72.8	0.61	18.3	18.9	—	82,967	82,967	4.33	4.70	126	84,601
Area	6.07	33.1	0.29	34.1	< 0.005	0.06	—	0.06	0.05	—	0.05	—	140	140	0.01	< 0.005	—	141
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	63.9	86.8	52.0	368	0.85	1.18	72.2	73.3	1.13	18.3	19.4	1,042	100,958	102,000	111	5.66	460	106,924
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.4	9.71	8.27	60.0	0.15	0.12	13.2	13.3	0.11	3.34	3.45	—	13,736	13,736	0.72	0.78	20.8	14,007
Area	1.11	6.04	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Energy	0.12	0.06	1.09	0.92	0.01	0.08	—	0.08	0.08	—	0.08	—	2,751	2,751	0.25	0.02	—	2,763
Water	—	—	—	—	—	—	—	—	—	—	—	56.2	193	249	5.78	0.14	—	435
Waste	—	—	—	—	—	—	—	—	—	—	—	116	0.00	116	11.6	0.00	—	407
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.4	55.4
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	11.7	15.8	9.49	67.2	0.15	0.22	13.2	13.4	0.21	3.34	3.55	173	16,715	16,887	18.4	0.94	76.2	17,702

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.92	0.84	0.80	7.43	0.02	0.01	1.62	1.64	0.01	0.41	0.42	—	1,905	1,905	0.07	0.08	6.62	1,939
Parking Lot	0.22	0.20	0.19	1.77	< 0.005	< 0.005	0.39	0.39	< 0.005	0.10	0.10	—	454	454	0.02	0.02	1.58	462
Unrefrigerated Warehouse-No Rail	12.3	11.4	5.84	118	0.25	0.11	24.3	24.4	0.10	6.13	6.23	—	25,177	25,177	0.93	0.63	82.5	25,469
Hotel	2.30	2.11	2.00	18.6	0.05	0.03	4.06	4.10	0.03	1.03	1.06	—	4,771	4,771	0.18	0.21	16.6	4,854
Regional Shopping Center	52.7	49.8	31.5	277	0.61	0.47	52.2	52.7	0.44	13.3	13.7	—	62,594	62,594	3.31	3.17	213	63,833
High Turnover (Sit Down Restaurant)	10.4	9.53	9.02	83.9	0.21	0.15	18.3	18.5	0.14	4.65	4.80	—	21,515	21,515	0.83	0.94	74.8	21,890
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.34	0.19	8.16	2.26	0.08	0.13	2.55	2.68	0.13	0.68	0.81	—	8,205	8,205	0.13	1.23	23.0	8,598
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	79.2	74.0	57.6	509	1.22	0.92	103	104	0.86	26.3	27.1	—	124,620	124,620	5.48	6.28	418	127,046
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.87	0.79	0.86	6.23	0.02	0.01	1.62	1.64	0.01	0.41	0.42	—	1,790	1,790	0.08	0.09	0.17	1,818
Parking Lot	0.21	0.19	0.20	1.48	< 0.005	< 0.005	0.39	0.39	< 0.005	0.10	0.10	—	426	426	0.02	0.02	0.04	433
Unrefrigerated Warehouse-No Rail	11.8	10.8	6.46	97.8	0.23	0.11	24.3	24.4	0.10	6.13	6.23	—	23,262	23,262	0.98	0.67	2.14	23,488
Hotel	2.17	1.98	2.14	15.6	0.04	0.03	4.06	4.10	0.03	1.03	1.06	—	4,481	4,481	0.19	0.22	0.43	4,550
Regional Shopping Center	49.2	46.2	33.7	245	0.58	0.47	52.2	52.7	0.44	13.3	13.7	—	58,892	58,892	3.52	3.27	5.52	59,960
High Turnover (Sit Down Restaurant)	9.78	8.91	9.67	70.3	0.20	0.15	18.3	18.5	0.14	4.65	4.80	—	20,210	20,210	0.86	0.97	1.94	20,522
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.33	0.18	8.52	2.28	0.08	0.13	2.55	2.68	0.13	0.68	0.81	—	8,207	8,207	0.13	1.23	0.60	8,579

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	74.4	69.1	61.6	439	1.14	0.92	103	104	0.86	26.3	27.1	—	117,268	117,268	5.78	6.46	10.8	119,350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehouse-Rail	0.13	0.12	0.14	1.00	< 0.005	< 0.005	0.25	0.25	< 0.005	0.06	0.07	—	254	254	0.01	0.01	0.40	259
Parking Lot	0.03	0.03	0.03	0.24	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	60.6	60.6	< 0.005	< 0.005	0.10	61.6
Unrefrige rated Warehouse-No Rail	1.56	1.43	0.89	13.6	0.03	0.01	3.24	3.26	0.01	0.82	0.83	—	2,852	2,852	0.12	0.08	4.31	2,884
Hotel	0.38	0.34	0.38	2.82	0.01	0.01	0.71	0.71	0.01	0.18	0.19	—	716	716	0.03	0.03	1.13	728
Regional Shopping Center	6.97	6.56	4.70	34.7	0.08	0.06	6.96	7.03	0.06	1.77	1.83	—	7,217	7,217	0.45	0.41	11.1	7,361
High Turnover (Sit Down Restaurant)	1.29	1.20	0.99	7.31	0.02	0.01	1.60	1.61	0.01	0.41	0.42	—	1,641	1,641	0.09	0.09	2.56	1,672
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.04	0.02	1.15	0.30	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	995	995	0.02	0.15	1.21	1,041
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.4	9.71	8.27	60.0	0.15	0.12	13.2	13.3	0.11	3.34	3.45	—	13,736	13,736	0.72	0.78	20.8	14,007

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	506	506	0.05	0.01	—	509
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	99.5	99.5	0.01	< 0.005	—	100
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,174	2,174	0.21	0.03	—	2,187
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,840	2,840	0.27	0.03	—	2,857
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,953	2,953	0.28	0.03	—	2,970
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	724
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	187	187	0.02	< 0.005	—	188

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,478	9,478	0.90	0.11	—	9,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	506	506	0.05	0.01	—	509
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	99.5	99.5	0.01	< 0.005	—	100
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,174	2,174	0.21	0.03	—	2,187
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,840	2,840	0.27	0.03	—	2,857
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,953	2,953	0.28	0.03	—	2,970
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	724
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	187	187	0.02	< 0.005	—	188
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,478	9,478	0.90	0.11	—	9,533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	83.8	83.8	0.01	< 0.005	—	84.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	< 0.005	< 0.005	—	16.6
Unrefrige rated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	360	360	0.03	< 0.005	—	362
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	470	470	0.04	0.01	—	473
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	489	489	0.05	0.01	—	492
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.01	< 0.005	—	120
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	< 0.005	< 0.005	—	31.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,569	1,569	0.15	0.02	—	1,578

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.05	—	0.05	0.05	—	0.05	—	710	710	0.06	< 0.005	—	712
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.28	0.14	2.55	2.15	0.02	0.19	—	0.19	0.19	—	0.19	—	3,047	3,047	0.27	0.01	—	3,056
Hotel	0.16	0.08	1.49	1.25	0.01	0.11	—	0.11	0.11	—	0.11	—	1,780	1,780	0.16	< 0.005	—	1,785
Regional Shopping Center	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	605	605	0.05	< 0.005	—	607
High Turnover (Sit Down Restaurant)	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	790	790	0.07	< 0.005	—	792
Fast Food Restaurant with Drive Thru	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	205
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	7,137	7,137	0.63	0.01	—	7,156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.05	—	0.05	0.05	—	0.05	—	710	710	0.06	< 0.005	—	712
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.28	0.14	2.55	2.15	0.02	0.19	—	0.19	0.19	—	0.19	—	3,047	3,047	0.27	0.01	—	3,056
Hotel	0.16	0.08	1.49	1.25	0.01	0.11	—	0.11	0.11	—	0.11	—	1,780	1,780	0.16	< 0.005	—	1,785
Regional Shopping Center	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	605	605	0.05	< 0.005	—	607
High Turnover (Sit Down Restaurant)	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	790	790	0.07	< 0.005	—	792
Fast Food Restaurant with Drive Thru	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	205
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	7,137	7,137	0.63	0.01	—	7,156
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrige rated Warehou se-No Rail	0.05	0.03	0.47	0.39	< 0.005	0.04	—	0.04	0.04	—	0.04	—	504	504	0.04	< 0.005	—	506
Hotel	0.03	0.01	0.27	0.23	< 0.005	0.02	—	0.02	0.02	—	0.02	—	295	295	0.03	< 0.005	—	296
Regional Shopping Center	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	0.01	< 0.005	—	101
High Turnover (Sit Down Restaurart)	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	131	131	0.01	< 0.005	—	131
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.9	33.9	< 0.005	< 0.005	—	34.0
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.09	0.92	0.01	0.08	—	0.08	0.08	—	0.08	—	1,182	1,182	0.10	< 0.005	—	1,185

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	24.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.87	8.18	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Total	8.87	35.7	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	24.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	27.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	4.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	1.11	1.02	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Total	1.11	6.04	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	51.4	197	248	5.29	0.13	—	418
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	221	744	964	22.7	0.55	—	1,694
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	21.0	27.2	0.64	0.02	—	47.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	45.3	153	198	4.66	0.11	—	348
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	12.6	42.3	54.9	1.29	0.03	—	96.5

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	3.26	11.0	14.2	0.34	0.01	—	25.0
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	51.4	197	248	5.29	0.13	—	418
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	221	744	964	22.7	0.55	—	1,694
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	21.0	27.2	0.64	0.02	—	47.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	45.3	153	198	4.66	0.11	—	348
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	12.6	42.3	54.9	1.29	0.03	—	96.5

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	3.26	11.0	14.2	0.34	0.01	—	25.0
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	8.51	32.6	41.1	0.88	0.02	—	69.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.5	123	160	3.76	0.09	—	281
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.03	3.47	4.50	0.11	< 0.005	—	7.91
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	7.50	25.3	32.8	0.77	0.02	—	57.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.08	7.01	9.09	0.21	0.01	—	16.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.54	1.82	2.36	0.06	< 0.005	—	4.14

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	56.2	193	249	5.78	0.14	—	435

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	58.8	0.00	58.8	5.87	0.00	—	206
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	252	0.00	252	25.2	0.00	—	883
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.0	0.00	—	632

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.8	0.00	—	485
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	58.8	0.00	58.8	5.87	0.00	—	206
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	252	0.00	252	25.2	0.00	—	883
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.0	0.00	—	632

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.8	0.00	—	485
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	9.73	0.00	9.73	0.97	0.00	—	34.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.17	0.00	—	146
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.25	0.00	6.25	0.62	0.00	—	21.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	29.9	0.00	29.9	2.99	0.00	—	105
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	22.9	0.00	22.9	2.29	0.00	—	80.2

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	116	0.00	116	11.6	0.00	—	407

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.53	1.53
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.75	8.75

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.53	1.53
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.75	8.75
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.1	48.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.59	5.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.4	55.4

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253

Emergency Generator	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Emergency Generator	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	0.00	5.73
Emergency Generator	0.01	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	0.00	5.73
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-Rail	168	205	173	63,498	1,882	2,291	1,943	711,298
Parking Lot	40.0	48.7	41.3	15,121	448	546	463	169,386
Unrefrigerated Warehouse-No Rail	3,114	273	109	831,805	34,883	3,063	1,222	9,317,807
Hotel	512	502	364	178,644	5,735	5,619	4,082	2,001,153

Regional Shopping Center	11,134	13,603	6,223	3,936,601	53,926	73,696	33,717	19,660,162
High Turnover (Sit Down Restaurant)	1,816	1,981	2,309	697,179	7,721	22,196	25,866	4,519,173
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	96.1	8.47	3.49	25,682	2,927	258	106	782,002
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,719,084	573,028	24,934

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-Rail	533,873	346	0.0330	0.0040	2,214,693
Parking Lot	104,936	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,291,971	346	0.0330	0.0040	9,507,906
Hotel	2,994,231	346	0.0330	0.0040	5,554,055
Regional Shopping Center	3,112,928	346	0.0330	0.0040	1,889,173
High Turnover (Sit Down Restaurant)	758,482	346	0.0330	0.0040	2,463,671
Fast Food Restaurant with Drive Thru	196,643	346	0.0330	0.0040	638,729
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-Rail	26,825,000	4,653,667
Parking Lot	0.00	0.00
Unrefrigerated Warehouse-No Rail	115,162,500	0.00
Hotel	3,246,947	0.00
Regional Shopping Center	23,629,134	0.00
High Turnover (Sit Down Restaurant)	6,556,328	0.00
Fast Food Restaurant with Drive Thru	1,699,789	0.00
User Defined Industrial	0.00	0.00

Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-Rail	109	—
Parking Lot	0.00	—
Unrefrigerated Warehouse-No Rail	468	—
Hotel	70.1	—
Regional Shopping Center	335	—
High Turnover (Sit Down Restaurant)	257	—
Fast Food Restaurant with Drive Thru	64.5	—
User Defined Industrial	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73
Emergency Generator	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.9	annual days of extreme heat

Extreme Precipitation	2.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	7.84	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	91.1
AQ-PM	51.4
AQ-DPM	21.5
Drinking Water	67.4
Lead Risk Housing	21.2
Pesticides	70.2

Toxic Releases	24.2
Traffic	74.1
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	50.1
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	48.8
Cardio-vascular	78.2
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	79.3
Housing	24.9
Linguistic	16.4
Poverty	46.8
Unemployment	73.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	60.29770307
Employed	40.65186706
Median HI	53.71487232
Education	—

Bachelor's or higher	37.28987553
High school enrollment	21.68612858
Preschool enrollment	56.08879764
Transportation	—
Auto Access	87.47593995
Active commuting	24.03438984
Social	—
2-parent households	65.68715514
Voting	37.14872321
Neighborhood	—
Alcohol availability	82.31746439
Park access	26.70345182
Retail density	10.84306429
Supermarket access	22.85384319
Tree canopy	2.014628513
Housing	—
Homeownership	88.6179905
Housing habitability	84.80687797
Low-inc homeowner severe housing cost burden	74.63107917
Low-inc renter severe housing cost burden	62.78711664
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	49.23649429
Arthritis	1.9
Asthma ER Admissions	51.4
High Blood Pressure	4.3
Cancer (excluding skin)	3.1

Asthma	46.1
Coronary Heart Disease	2.1
Chronic Obstructive Pulmonary Disease	9.6
Diagnosed Diabetes	20.7
Life Expectancy at Birth	41.6
Cognitively Disabled	70.6
Physically Disabled	50.9
Heart Attack ER Admissions	20.0
Mental Health Not Good	57.3
Chronic Kidney Disease	3.6
Obesity	36.5
Pedestrian Injuries	19.6
Physical Health Not Good	33.7
Stroke	7.6
Health Risk Behaviors	—
Binge Drinking	80.1
Current Smoker	59.6
No Leisure Time for Physical Activity	36.0
Climate Change Exposures	—
Wildfire Risk	7.4
SLR Inundation Area	0.0
Children	31.0
Elderly	48.0
English Speaking	75.4
Foreign-born	34.0
Outdoor Workers	12.6
Climate Change Adaptive Capacity	—

Impervious Surface Cover	83.3
Traffic Density	34.3
Traffic Access	23.0
Other Indices	—
Hardship	58.4
Other Decision Support	—
2016 Voting	52.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	50.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Operations: Vehicle Data	Trip rates adjusted based on Project TG Memo and to separate industrial trucks.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger vehicles and trucks.

15360-06 Green Valley SP Proposed LST Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15360-06 Green Valley SP Proposed LST
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.748882135760624, -117.19539714527318
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5512
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-Rail	116	1000sqft	2.66	116,000	293,501	—	—	Self-Storage

Parking Lot	2.75	Acre	2.75	0.00	0.00	—	—	RV Storage
Unrefrigerated Warehouse-No Rail	498	1000sqft	11.4	498,000	0.00	—	—	—
Hotel	128	Room	4.27	185,856	0.00	—	—	—
Regional Shopping Center	319	1000sqft	7.32	319,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	21.6	1000sqft	0.50	21,600	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.60	1000sqft	0.13	5,600	0.00	—	—	—
User Defined Industrial	498	User Defined Unit	0.00	0.00	0.00	—	—	—
Other Asphalt Surfaces	6.79	Acre	6.79	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.9	101	29.6	207	0.20	0.85	10.6	11.5	0.82	2.70	3.52	1,042	34,361	35,403	110	2.80	377	39,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.4	87.6	30.4	167	0.19	0.77	10.6	11.4	0.75	2.70	3.46	1,042	33,438	34,480	110	2.86	336	38,420

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	54.4	79.7	23.7	167	0.15	0.66	8.08	8.75	0.64	2.05	2.69	1,042	29,702	30,744	109	2.46	349	34,558
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.94	14.5	4.32	30.4	0.03	0.12	1.48	1.60	0.12	0.37	0.49	173	4,917	5,090	18.1	0.41	57.7	5,721

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	65.3	63.6	20.4	150	0.15	0.17	10.6	10.8	0.15	2.70	2.86	—	15,870	15,870	2.99	1.83	42.9	16,535
Area	8.87	35.7	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	75.9	101	29.6	207	0.20	0.85	10.6	11.5	0.82	2.70	3.52	1,042	34,361	35,403	110	2.80	377	39,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	60.7	58.8	21.6	159	0.15	0.17	10.6	10.8	0.16	2.70	2.86	—	15,153	15,153	3.35	1.89	1.11	15,802
Area	—	27.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630

Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	62.4	87.6	30.4	167	0.19	0.77	10.6	11.4	0.75	2.70	3.46	1,042	33,438	34,480	110	2.86	336	38,420
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.6	46.1	17.0	127	0.11	0.13	8.08	8.21	0.12	2.05	2.17	—	11,710	11,710	2.64	1.49	14.1	12,235
Area	6.07	33.1	0.29	34.1	< 0.005	0.06	—	0.06	0.05	—	0.05	—	140	140	0.01	< 0.005	—	141
Energy	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	16,615	16,615	1.54	0.12	—	16,690
Water	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Waste	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	54.4	79.7	23.7	167	0.15	0.66	8.08	8.75	0.64	2.05	2.69	1,042	29,702	30,744	109	2.46	349	34,558
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.68	8.41	3.11	23.2	0.02	0.02	1.48	1.50	0.02	0.37	0.40	—	1,939	1,939	0.44	0.25	2.33	2,026
Area	1.11	6.04	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Energy	0.12	0.06	1.09	0.92	0.01	0.08	—	0.08	0.08	—	0.08	—	2,751	2,751	0.25	0.02	—	2,763
Water	—	—	—	—	—	—	—	—	—	—	—	56.2	193	249	5.78	0.14	—	435
Waste	—	—	—	—	—	—	—	—	—	—	—	116	0.00	116	11.6	0.00	—	407
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.4	55.4
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	9.94	14.5	4.32	30.4	0.03	0.12	1.48	1.60	0.12	0.37	0.49	173	4,917	5,090	18.1	0.41	57.7	5,721

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.68	0.67	0.20	1.40	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	121	121	0.03	0.02	0.30	127
Parking Lot	0.16	0.16	0.05	0.33	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	28.8	28.8	0.01	< 0.005	0.07	30.3
Unrefrigerated Warehouse-No Rail	8.91	8.70	1.82	21.6	0.02	0.02	1.08	1.10	0.02	0.27	0.29	—	1,606	1,606	0.44	0.23	3.68	1,689
Hotel	1.71	1.67	0.49	3.49	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	303	303	0.07	0.04	0.74	319
Regional Shopping Center	46.0	44.8	14.5	107	0.12	0.12	8.37	8.49	0.12	2.12	2.24	—	12,138	12,138	2.07	1.31	34.1	12,613
High Turnover (Sit Down Restaurant)	7.73	7.55	2.25	16.0	0.01	0.02	0.88	0.90	0.02	0.22	0.24	—	1,437	1,437	0.34	0.20	3.58	1,508
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.09	0.06	1.07	0.73	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	236	236	0.03	0.04	0.38	248
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	65.3	63.6	20.4	150	0.15	0.17	10.6	10.8	0.15	2.70	2.86	—	15,870	15,870	2.99	1.83	42.9	16,535
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.63	0.62	0.21	1.52	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	116	116	0.03	0.02	0.01	123
Parking Lot	0.15	0.15	0.05	0.36	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	27.7	27.7	0.01	< 0.005	< 0.005	29.2
Unrefrigerated Warehouse-No Rail	8.45	8.21	1.95	23.6	0.02	0.02	1.08	1.10	0.02	0.27	0.29	—	1,527	1,527	0.50	0.24	0.10	1,610
Hotel	1.58	1.54	0.52	3.81	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	291	291	0.08	0.04	0.02	307
Regional Shopping Center	42.6	41.3	15.4	112	0.11	0.12	8.37	8.49	0.12	2.12	2.24	—	11,573	11,573	2.31	1.35	0.89	12,033
High Turnover (Sit Down Restaurant)	7.16	6.95	2.39	17.4	0.01	0.02	0.88	0.90	0.02	0.22	0.24	—	1,379	1,379	0.38	0.21	0.09	1,450
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.08	0.05	1.13	0.76	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	238	238	0.03	0.04	0.01	250

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	60.7	58.8	21.6	159	0.15	0.17	10.6	10.8	0.16	2.70	2.86	—	15,153	15,153	3.35	1.89	1.11	15,802
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehouse-Rail	0.10	0.09	0.03	0.24	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	0.02	17.4
Parking Lot	0.02	0.02	0.01	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.14
Unrefrige rated Warehouse-No Rail	1.11	1.08	0.26	3.20	< 0.005	< 0.005	0.14	0.15	< 0.005	0.04	0.04	—	186	186	0.06	0.03	0.19	197
Hotel	0.27	0.27	0.09	0.67	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	46.4	46.4	0.01	0.01	0.05	48.9
Regional Shopping Center	6.09	5.90	2.20	16.2	0.02	0.02	1.13	1.14	0.02	0.29	0.30	—	1,445	1,445	0.30	0.17	1.80	1,507
High Turnover (Sit Down Restaurant)	1.07	1.04	0.37	2.72	< 0.005	< 0.005	0.15	0.16	< 0.005	0.04	0.04	—	211	211	0.05	0.03	0.25	222
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.01	0.01	0.15	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.7	28.7	< 0.005	< 0.005	0.02	30.2
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.68	8.41	3.11	23.2	0.02	0.02	1.48	1.50	0.02	0.37	0.40	—	1,939	1,939	0.44	0.25	2.33	2,026

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	506	506	0.05	0.01	—	509
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	99.5	99.5	0.01	< 0.005	—	100
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,174	2,174	0.21	0.03	—	2,187
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,840	2,840	0.27	0.03	—	2,857
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,953	2,953	0.28	0.03	—	2,970
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	724
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	187	187	0.02	< 0.005	—	188

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,478	9,478	0.90	0.11	—	9,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	506	506	0.05	0.01	—	509
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	99.5	99.5	0.01	< 0.005	—	100
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,174	2,174	0.21	0.03	—	2,187
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,840	2,840	0.27	0.03	—	2,857
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,953	2,953	0.28	0.03	—	2,970
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	724
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	187	187	0.02	< 0.005	—	188
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,478	9,478	0.90	0.11	—	9,533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	83.8	83.8	0.01	< 0.005	—	84.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	< 0.005	< 0.005	—	16.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	360	360	0.03	< 0.005	—	362
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	470	470	0.04	0.01	—	473
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	489	489	0.05	0.01	—	492
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.01	< 0.005	—	120
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	< 0.005	< 0.005	—	31.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,569	1,569	0.15	0.02	—	1,578

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.05	—	0.05	0.05	—	0.05	—	710	710	0.06	< 0.005	—	712
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.28	0.14	2.55	2.15	0.02	0.19	—	0.19	0.19	—	0.19	—	3,047	3,047	0.27	0.01	—	3,056
Hotel	0.16	0.08	1.49	1.25	0.01	0.11	—	0.11	0.11	—	0.11	—	1,780	1,780	0.16	< 0.005	—	1,785
Regional Shopping Center	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	605	605	0.05	< 0.005	—	607
High Turnover (Sit Down Restaurant)	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	790	790	0.07	< 0.005	—	792
Fast Food Restaurant with Drive Thru	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	205
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	7,137	7,137	0.63	0.01	—	7,156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig rated Warehouse-Rail	0.07	0.03	0.59	0.50	< 0.005	0.05	—	0.05	0.05	—	0.05	—	710	710	0.06	< 0.005	—	712
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrig rated Warehouse-No Rail	0.28	0.14	2.55	2.15	0.02	0.19	—	0.19	0.19	—	0.19	—	3,047	3,047	0.27	0.01	—	3,056
Hotel	0.16	0.08	1.49	1.25	0.01	0.11	—	0.11	0.11	—	0.11	—	1,780	1,780	0.16	< 0.005	—	1,785
Regional Shopping Center	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	605	605	0.05	< 0.005	—	607
High Turnover (Sit Down Restaurant)	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	790	790	0.07	< 0.005	—	792
Fast Food Restaurant with Drive Thru	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	205
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.66	0.33	5.98	5.02	0.04	0.45	—	0.45	0.45	—	0.45	—	7,137	7,137	0.63	0.01	—	7,156
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-Rail	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrige rated Warehou se-No Rail	0.05	0.03	0.47	0.39	< 0.005	0.04	—	0.04	0.04	—	0.04	—	504	504	0.04	< 0.005	—	506
Hotel	0.03	0.01	0.27	0.23	< 0.005	0.02	—	0.02	0.02	—	0.02	—	295	295	0.03	< 0.005	—	296
Regional Shopping Center	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	0.01	< 0.005	—	101
High Turnover (Sit Down Restaurant)	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	131	131	0.01	< 0.005	—	131
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.9	33.9	< 0.005	< 0.005	—	34.0
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.09	0.92	0.01	0.08	—	0.08	0.08	—	0.08	—	1,182	1,182	0.10	< 0.005	—	1,185

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	24.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.87	8.18	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Total	8.87	35.7	0.42	49.8	< 0.005	0.09	—	0.09	0.07	—	0.07	—	205	205	0.01	< 0.005	—	206
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	24.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	27.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	4.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	1.11	1.02	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Total	1.11	6.04	0.05	6.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-Rail	—	—	—	—	—	—	—	—	—	—	—	51.4	197	248	5.29	0.13	—	418
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	221	744	964	22.7	0.55	—	1,694
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	21.0	27.2	0.64	0.02	—	47.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	45.3	153	198	4.66	0.11	—	348
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	12.6	42.3	54.9	1.29	0.03	—	96.5

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	3.26	11.0	14.2	0.34	0.01	—	25.0
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	51.4	197	248	5.29	0.13	—	418
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	221	744	964	22.7	0.55	—	1,694
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	21.0	27.2	0.64	0.02	—	47.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	45.3	153	198	4.66	0.11	—	348
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	12.6	42.3	54.9	1.29	0.03	—	96.5

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	3.26	11.0	14.2	0.34	0.01	—	25.0
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	339	1,167	1,506	34.9	0.84	—	2,630
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	8.51	32.6	41.1	0.88	0.02	—	69.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.5	123	160	3.76	0.09	—	281
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.03	3.47	4.50	0.11	< 0.005	—	7.91
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	7.50	25.3	32.8	0.77	0.02	—	57.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.08	7.01	9.09	0.21	0.01	—	16.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.54	1.82	2.36	0.06	< 0.005	—	4.14

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	56.2	193	249	5.78	0.14	—	435

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	58.8	0.00	58.8	5.87	0.00	—	206
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	252	0.00	252	25.2	0.00	—	883
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.0	0.00	—	632

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.8	0.00	—	485
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	58.8	0.00	58.8	5.87	0.00	—	206
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	252	0.00	252	25.2	0.00	—	883
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.0	0.00	—	632

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.8	0.00	—	485
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	703	0.00	703	70.2	0.00	—	2,458
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	9.73	0.00	9.73	0.97	0.00	—	34.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.17	0.00	—	146
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.25	0.00	6.25	0.62	0.00	—	21.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	29.9	0.00	29.9	2.99	0.00	—	105
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	22.9	0.00	22.9	2.29	0.00	—	80.2

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	116	0.00	116	11.6	0.00	—	407

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.53	1.53
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.75	8.75

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.53	1.53
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.75	8.75
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	335	335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.1	48.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.59	5.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.4	55.4

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253

Emergency Generator	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Emergency Generator	0.54	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	0.00	253
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	0.00	5.73
Emergency Generator	0.01	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	0.00	5.73
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-Rail	168	205	173	63,498	84.0	102	86.7	31,749
Parking Lot	40.0	48.7	41.3	15,121	20.0	24.4	20.6	7,561
Unrefrigerated Warehouse-No Rail	3,114	273	109	831,805	1,557	137	54.5	415,903
Hotel	512	502	364	178,644	256	251	182	89,322

Regional Shopping Center	11,134	13,603	6,223	3,936,601	8,742	11,812	5,404	3,176,979
High Turnover (Sit Down Restaurant)	1,816	1,981	2,309	697,179	1,240	991	1,155	435,114
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	96.1	8.47	3.49	25,682	48.1	4.23	1.74	12,841
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,719,084	573,028	24,934

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-Rail	533,873	346	0.0330	0.0040	2,214,693
Parking Lot	104,936	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,291,971	346	0.0330	0.0040	9,507,906
Hotel	2,994,231	346	0.0330	0.0040	5,554,055
Regional Shopping Center	3,112,928	346	0.0330	0.0040	1,889,173
High Turnover (Sit Down Restaurant)	758,482	346	0.0330	0.0040	2,463,671
Fast Food Restaurant with Drive Thru	196,643	346	0.0330	0.0040	638,729
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-Rail	26,825,000	4,653,667
Parking Lot	0.00	0.00
Unrefrigerated Warehouse-No Rail	115,162,500	0.00
Hotel	3,246,947	0.00
Regional Shopping Center	23,629,134	0.00
High Turnover (Sit Down Restaurant)	6,556,328	0.00
Fast Food Restaurant with Drive Thru	1,699,789	0.00
User Defined Industrial	0.00	0.00

Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-Rail	109	—
Parking Lot	0.00	—
Unrefrigerated Warehouse-No Rail	468	—
Hotel	70.1	—
Regional Shopping Center	335	—
High Turnover (Sit Down Restaurant)	257	—
Fast Food Restaurant with Drive Thru	64.5	—
User Defined Industrial	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73
Emergency Generator	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.9	annual days of extreme heat

Extreme Precipitation	2.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	7.84	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	91.1
AQ-PM	51.4
AQ-DPM	21.5
Drinking Water	67.4
Lead Risk Housing	21.2
Pesticides	70.2

Toxic Releases	24.2
Traffic	74.1
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	50.1
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	48.8
Cardio-vascular	78.2
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	79.3
Housing	24.9
Linguistic	16.4
Poverty	46.8
Unemployment	73.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	60.29770307
Employed	40.65186706
Median HI	53.71487232
Education	—

Bachelor's or higher	37.28987553
High school enrollment	21.68612858
Preschool enrollment	56.08879764
Transportation	—
Auto Access	87.47593995
Active commuting	24.03438984
Social	—
2-parent households	65.68715514
Voting	37.14872321
Neighborhood	—
Alcohol availability	82.31746439
Park access	26.70345182
Retail density	10.84306429
Supermarket access	22.85384319
Tree canopy	2.014628513
Housing	—
Homeownership	88.6179905
Housing habitability	84.80687797
Low-inc homeowner severe housing cost burden	74.63107917
Low-inc renter severe housing cost burden	62.78711664
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	49.23649429
Arthritis	1.9
Asthma ER Admissions	51.4
High Blood Pressure	4.3
Cancer (excluding skin)	3.1

Asthma	46.1
Coronary Heart Disease	2.1
Chronic Obstructive Pulmonary Disease	9.6
Diagnosed Diabetes	20.7
Life Expectancy at Birth	41.6
Cognitively Disabled	70.6
Physically Disabled	50.9
Heart Attack ER Admissions	20.0
Mental Health Not Good	57.3
Chronic Kidney Disease	3.6
Obesity	36.5
Pedestrian Injuries	19.6
Physical Health Not Good	33.7
Stroke	7.6
Health Risk Behaviors	—
Binge Drinking	80.1
Current Smoker	59.6
No Leisure Time for Physical Activity	36.0
Climate Change Exposures	—
Wildfire Risk	7.4
SLR Inundation Area	0.0
Children	31.0
Elderly	48.0
English Speaking	75.4
Foreign-born	34.0
Outdoor Workers	12.6
Climate Change Adaptive Capacity	—

Impervious Surface Cover	83.3
Traffic Density	34.3
Traffic Access	23.0
Other Indices	—
Hardship	58.4
Other Decision Support	—
2016 Voting	52.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	50.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Operations: Vehicle Data	Trip rates adjusted based on Project TG Memo and to separate industrial trucks.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger vehicles and trucks.

ATTACHMENT D:
AERMOD LST MODELING OUTPUTS

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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 3/12/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Cons CO\15360 Cons
CO.ADI
**
*****
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**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 1 8
  URBANOPT 2189641 Riverside_County
  POLLUTID CO
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Cons CO.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

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LOCATION	VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION	VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION	VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION	VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION	VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION	VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION	VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION	VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION	VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION	VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION	VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION	VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION	VOL41	VOLUME	482366.891	3734384.784	433.000

** Source Parameters **

SRCPARAM	VOL1	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL2	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL3	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL4	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL5	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL6	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL7	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL8	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL9	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL10	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL11	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL12	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL13	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL14	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL15	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL16	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL17	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL18	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL19	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL20	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL21	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL22	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL23	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL24	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL25	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL26	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL27	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL28	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL29	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL30	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL31	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL32	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL33	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL34	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL35	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL36	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL37	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL38	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL39	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL40	0.0152119392	5.000	16.605	1.400
SRCPARAM	VOL41	0.0152119392	5.000	16.605	1.400

URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****

```

```

**
**

```

```

RE STARTING
  INCLUDED "15360 Cons CO.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
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST

```

```

** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "15360 CONS CO.AD\01H1GALL.PLT" 31
  PLOTFILE 8 ALL 1ST "15360 CONS CO.AD\08H1GALL.PLT" 32
  SUMMFILE "15360 Cons CO.sum"

```

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```

A Total of      0 Fatal Error Message(s)
A Total of      2 Warning Message(s)
A Total of      0 Informational Message(s)

```

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186 763 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 763 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 41 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 Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 41 Source(s); 1 Source Group(s); and 83 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 41 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 Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

****Approximate Storage Requirements of Model = 3.6 MB of RAM.**

****Input Runstream File:**

aermod.inp

****Output Print File:**

aermod.out

****Detailed Error/Message File:** 15360 Cons

CO.err

****File for Summary of Results:** 15360 Cons

CO.sum

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***** MODELOPTs:** RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

***** VOLUME SOURCE DATA *****

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

VOL1		0	0.15212E-01	481958.7	3733736.3	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL2		0	0.15212E-01	482022.3	3733736.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL3		0	0.15212E-01	481958.4	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL4		0	0.15212E-01	482022.3	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL5		0	0.15212E-01	481957.7	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL6		0	0.15212E-01	482022.9	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL7		0	0.15212E-01	481957.7	3733951.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL8		0	0.15212E-01	482021.1	3733950.8	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL9		0	0.15212E-01	481957.1	3734022.8	432.1	5.00	16.61	1.40
YES	HRDOW		NO						
VOL10		0	0.15212E-01	482020.5	3734022.2	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL11		0	0.15212E-01	481932.3	3734094.2	432.0	5.00	16.61	1.40


```

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		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							

VOL41	0	0.15212E-01	482366.9	3734384.8	433.0	5.00	16.61	1.40		
YES	HRDOW	NO								
*** AERMOD - VERSION 23132 ***			*** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley							
SP\15360 Ops ***			03/12/24							
*** AERMET - VERSION 16216 ***										
***			*** 18:28:34							

```
***  MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

SRCGROUP ID		SOURCE IDs	

ALL	VOL1	, VOL2	, VOL3
VOL7	, VOL8	,	
	VOL9	, VOL10	, VOL11
	VOL15	, VOL16	,
	VOL17	, VOL18	, VOL19
	VOL23	, VOL24	,
	VOL25	, VOL26	, VOL27
	VOL31	, VOL32	,
	VOL33	, VOL34	, VOL35
	VOL39	, VOL40	,
	VOL41	,	
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops *** 03/12/24 *** AERMET - VERSION 16216 *** ***			

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*
```

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----					
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5
	VOL6	, VOL7	,			
VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14

VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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SP\15360 Ops *** 03/12/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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 SP\15360 Ops *** 03/12/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	

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.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
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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					

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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.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
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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34
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PAGE 23
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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```
SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL20          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
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***
18:28:34

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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```

SOURCE ID = VOL21          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
 SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***                                     ***      18:28:34
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***                                     ***      18:28:34
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***
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18:28:34
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  -----
  -----
                                DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:28:34
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  -----
  -----
```

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                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:28:34
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                                PAGE 38
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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```
SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:28:34
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                                PAGE 39
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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```
SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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***  MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*
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SOURCE ID = VOL37				; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR							

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	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.1000E+01	21	.1000E+01	22	.1000E+01	23	.1000E+01	24	.1000E+01
25	.0000E+00	26	.0000E+00	27	.0000E+00	28	.0000E+00	29	.0000E+00	30	.0000E+00
31	.0000E+00	32	.0000E+00	33	.0000E+00	34	.0000E+00	35	.0000E+00	36	.0000E+00

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							

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

```

*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                  ***      18.28.34

```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
 SP\15360 Ops *** 03/12/24
 *** AERMET - VERSION 16216 ***
 *** 18:28:34

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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

*** AERMOD - VERSION 23132 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6, 432.0, 432.0, 2.0); (481962.5, 3734264.7,
432.0, 432.0, 2.0);
(481962.2, 3734282.2, 432.0, 432.0, 2.0); (481961.8, 3734299.8,
432.0, 432.0, 2.0);
(481961.5, 3734312.2, 432.0, 432.0, 2.0); (481961.3, 3734351.1,
432.0, 432.0, 2.0);
(481961.1, 3734369.1, 432.0, 432.0, 2.0); (481961.5, 3734382.0,
432.0, 432.0, 2.0);
(481961.1, 3734399.1, 432.0, 432.0, 2.0); (481953.1, 3734437.5,
432.0, 432.0, 2.0);
(481952.2, 3734453.0, 432.0, 432.0, 2.0); (481959.4, 3734466.1,
431.0, 431.0, 2.0);
(482097.1, 3734535.8, 431.0, 431.0, 2.0); (482139.2, 3734533.9,
431.0, 431.0, 2.0);
(482279.7, 3734539.1, 431.0, 431.0, 2.0); (482216.9, 3734550.7,
431.0, 431.0, 2.0);
(482528.8, 3734259.0, 433.0, 433.0, 2.0); (482528.8, 3734102.8,
433.4, 433.4, 2.0);
(482904.5, 3734166.2, 435.0, 435.0, 2.0); (482915.2, 3734146.8,
435.0, 435.0, 2.0);
(482903.6, 3734117.3, 435.0, 435.0, 2.0); (482904.9, 3734060.6,
435.0, 435.0, 2.0);
(482905.2, 3734042.1, 435.0, 435.0, 2.0); (482905.2, 3734025.9,
435.0, 435.0, 2.0);
(482919.1, 3734006.4, 435.0, 435.0, 2.0); (482836.6, 3733631.8,
435.0, 435.0, 2.0);
(483237.5, 3733952.1, 436.0, 436.0, 2.0); (483302.4, 3733879.3,
436.0, 436.0, 2.0);
(483300.3, 3733712.5, 436.0, 436.0, 2.0); (483082.9, 3733655.5,
435.0, 435.0, 2.0);
(482319.7, 3733551.0, 434.0, 434.0, 2.0); (481675.8, 3733533.5,
432.4, 432.4, 2.0);
(481361.0, 3733618.0, 432.0, 432.0, 2.0); (481272.8, 3733583.2,
431.8, 431.8, 2.0);
(480863.0, 3733796.2, 430.3, 430.3, 2.0); (480863.6, 3734055.8,
430.0, 430.0, 2.0);
(480848.7, 3733622.9, 430.5, 430.5, 2.0); (481879.2, 3733714.0,
433.0, 433.0, 2.0);
(481880.6, 3733725.1, 433.0, 433.0, 2.0); (481880.0, 3733747.1,
433.0, 433.0, 2.0);
(481880.3, 3733755.9, 433.0, 433.0, 2.0); (481882.2, 3733776.0,
433.0, 433.0, 2.0);
(481883.6, 3733791.7, 433.0, 433.0, 2.0); (481883.3, 3733832.2,

```

FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                      03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:28:34

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

[illegible]

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

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley

SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** 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		

First hour of profile data

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

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

```

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

```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
481962.48	3734240.57	59.09301	(16010616)	481962.48	
3734264.69	58.12970	(16010616)			
481962.24	3734282.25	58.75931	(16010616)	481961.77	
3734299.81	59.83356	(16010616)			
481961.54	3734312.23	59.54534	(16010616)	481961.30	

3734351.10	58.23544	(16010616)	
481961.07	3734369.13	59.17709	(16010616) 481961.54
3734382.01	59.07973	(16010616)	
481961.07	3734399.10	56.31256	(16010616) 481953.11
3734437.51	47.79729	(16010616)	
481952.17	3734452.96	43.74053	(16010616) 481959.43
3734466.07	43.16869	(16010616)	
482097.06	3734535.79	24.89772	(16010516) 482139.21
3734533.86	24.68958	(16010516)	
482279.72	3734539.09	21.18328	(10121516) 482216.90
3734550.67	20.36019	(10121516)	
482528.77	3734258.97	11.72653	(16010716) 482528.77
3734102.85	8.12628	(10121516)	
482904.55	3734166.22	3.62059	(16010716) 482915.25
3734146.77	3.52934	(16010716)	
482903.58	3734117.28	3.49475	(16010716) 482904.88
3734060.56	3.03230	(16010716)	
482905.20	3734042.08	2.91922	(10121516) 482905.20
3734025.88	2.89059	(10121516)	
482919.14	3734006.43	2.78074	(10121516) 482836.60
3733631.78	2.30001	(10121516)	
483237.52	3733952.14	1.80850	(16010716) 483302.44
3733879.31	1.50849	(16010716)	
483300.33	3733712.52	1.34527	(10121516) 483082.88
3733655.52	1.69455	(10121516)	
482319.69	3733551.02	4.34265	(10121516) 481675.81
3733533.54	6.59628	(11010316)	
481360.99	3733617.99	6.81540	(11010316) 481272.81
3733583.21	5.81178	(11010316)	
480862.98	3733796.20	1.55888	(14120316) 480863.61
3734055.76	1.69246	(16010616)	
480848.70	3733622.95	1.29602	(16012216) 481879.20
3733714.04	21.63983	(11010316)	
481880.58	3733725.06	21.45523	(11010316) 481880.02
3733747.10	23.28866	(16010616)	
481880.30	3733755.92	24.51133	(16010616) 481882.23
3733776.03	27.12132	(16010616)	
481883.61	3733791.74	28.66121	(16010616) 481883.33
3733832.24	29.79532	(16010616)	
481880.02	3733878.25	29.42107	(16010616) 481883.06
3733920.14	31.05554	(11010316)	
481884.16	3733929.78	31.53529	(16010616) 481883.61
3733943.83	31.58303	(16010616)	
481885.53	3733965.60	33.87889	(11010316) 481884.71
3733982.41	35.65955	(11010316)	
481880.30	3734005.55	34.83033	(11010316) 481876.17
3734022.08	36.68624	(11010316)	
481868.18	3734046.05	44.13414	(11010316) 481861.84
3734062.04	46.29774	(11010316)	
481851.09	3734082.15	42.10196	(11010316) 481843.38
3734096.48	36.02115	(16010616)	
481828.50	3734117.42	32.01102	(16010616) 481817.20
3734130.09	28.28656	(16010616)	
481805.63	3734143.32	24.88341	(16010616) 481792.96
3734157.92	21.79358	(16010616)	
481859.08	3734160.95	39.95438	(16010616) 481872.86
3734171.15	40.53931	(16010616)	
481891.05	3734184.65	38.15776	(16010516) 481905.65
3734195.12	37.19714	(16010616)	
481915.02	3734203.11	38.95540	(16010616) 481930.17
3734213.30	42.77417	(16010616)	
481946.43	3734225.70	47.99460	(16010616) 482630.92
3734448.65	6.72424	(10121516)	
482625.46	3734541.27	6.14040	(10012115) 483299.43
3734396.77	1.58439	(10122916)	
483313.72	3734511.32	1.48978	(10121516) 482533.74

3734524.68	9.15097	(10012115)		
482120.37	3734193.61	42.18280	(10121516)	482340.01
3734218.45	32.38248	(10121516)		
482161.56	3734207.33	39.80738	(10121516)	482118.41
3734040.65	28.14138	(10121516)		
482100.76	3734004.04	28.57698	(10121516)	482084.42
3733958.29	29.89145	(10121516)		
482078.04	3733831.44	27.16408	(10121516)	482080.01
3733752.27	22.18378	(10121516)		

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,
	VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	, VOL9	, VOL10
VOL11	, VOL12	, VOL13	, VOL14	, VOL15
VOL16	, VOL17	, VOL18	, VOL19	, VOL20
VOL21	, VOL22	, VOL23	, VOL24	, VOL25
VOL26	, VOL27	, VOL28	, . . .	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
482189.83	3734206.28	37.19383	(10121516)	482388.39	
3734219.52	26.97080	(10101916)			
482117.97	3734115.51	34.31457			
(10121516)					

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,
	VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	, VOL9	, VOL10
VOL11	, VOL12	, VOL13	, VOL14	, VOL15
VOL16	, VOL17	, VOL18	, VOL19	, VOL20
VOL21	, VOL22	, VOL23	, VOL24	, VOL25
VOL26	, VOL27	, VOL28	, . . .	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD

(M)	CONC	(YYMMDDHH)		

481962.48	3734240.57	17.54346	(16010616)	481962.48
3734264.69	16.83350	(16010616)		
481962.24	3734282.25	16.42294	(16010616)	481961.77
3734299.81	16.15775	(10121516)		
481961.54	3734312.23	16.18727	(10121516)	481961.30
3734351.10	15.64041	(16010616)		
481961.07	3734369.13	15.49735	(16010616)	481961.54
3734382.01	15.58230	(16010616)		
481961.07	3734399.10	15.43530	(11121216)	481953.11
3734437.51	13.06828	(11121216)		
481952.17	3734452.96	12.93359	(11121216)	481959.43
3734466.07	14.41235	(11121216)		
482097.06	3734535.79	12.46140	(16010516)	482139.21
3734533.86	12.43690	(16010516)		
482279.72	3734539.09	10.19581	(11112416)	482216.90
3734550.67	9.89226	(16010516)		
482528.77	3734258.97	3.72091	(14040116)	482528.77
3734102.85	2.78691c	(10102116)		
482904.55	3734166.22	0.85084	(14040116)	482915.25
3734146.77	0.82313	(14040116)		
482903.58	3734117.28	0.82884	(14040116)	482904.88
3734060.56	0.76997	(14040116)		
482905.20	3734042.08	0.74682	(14040116)	482905.20
3734025.88	0.72586	(14040116)		
482919.14	3734006.43	0.68525	(14040116)	482836.60
3733631.78	0.69429	(16011916)		
483237.52	3733952.14	0.40050	(14040116)	483302.44
3733879.31	0.34435	(14040116)		
483300.33	3733712.52	0.29828	(15121416)	483082.88
3733655.52	0.48701	(16011916)		
482319.69	3733551.02	1.72341	(14120116)	481675.81
3733533.54	1.61201	(16121916)		
481360.99	3733617.99	1.08291	(11010316)	481272.81
3733583.21	0.91130	(11010316)		
480862.98	3733796.20	0.47586	(14120316)	480863.61
3734055.76	0.48704	(14120316)		
480848.70	3733622.95	0.45737	(16110916)	481879.20
3733714.04	5.93750	(11010316)		
481880.58	3733725.06	6.04269	(11010316)	481880.02
3733747.10	6.15155	(11010316)		
481880.30	3733755.92	6.30534	(11010316)	481882.23
3733776.03	6.73764	(10121516)		
481883.61	3733791.74	7.23453	(10121516)	481883.33
3733832.24	8.04900	(10121516)		
481880.02	3733878.25	8.19763	(10121516)	481883.06
3733920.14	8.97330	(10121516)		
481884.16	3733929.78	9.14467	(10121516)	481883.61
3733943.83	9.22159	(10121516)		
481885.53	3733965.60	9.77695	(10121516)	481884.71
3733982.41	9.85467	(10121516)		
481880.30	3734005.55	9.59033	(10121516)	481876.17
3734022.08	9.45990	(10121516)		
481868.18	3734046.05	9.81232	(11010316)	481861.84
3734062.04	9.97443	(11010316)		
481851.09	3734082.15	9.04264	(11010316)	481843.38
3734096.48	8.91033	(14120316)		
481828.50	3734117.42	7.77674	(14120316)	481817.20
3734130.09	6.71702	(14120316)		
481805.63	3734143.32	5.91307	(10121516)	481792.96
3734157.92	5.27896	(10121516)		
481859.08	3734160.95	11.51033	(11121216)	481872.86
3734171.15	13.99680	(16010516)		
481891.05	3734184.65	16.85593	(16010516)	481905.65

3734195.12	15.67769	(16010516)		
481915.02	3734203.11	14.41737	(16010516)	481930.17
3734213.30	14.35406	(16010616)		
481946.43	3734225.70	15.31451	(16010616)	482630.92
3734448.65	1.83058	(16030716)		
482625.46	3734541.27	1.65855	(14032616)	483299.43
3734396.77	0.34748	(10121516)		
483313.72	3734511.32	0.35462	(10121516)	482533.74
3734524.68	2.87519	(15122216)		
482120.37	3734193.61	13.00656	(14111116)	482340.01
3734218.45	13.18560	(14120116)		
482161.56	3734207.33	13.22479	(11010316)	482118.41
3734040.65	8.91241	(14120116)		
482100.76	3734004.04	9.59621	(14120116)	482084.42
3733958.29	9.59883	(14120116)		
482078.04	3733831.44	9.97932	(14120116)	482080.01
3733752.27	9.05927	(14120116)		

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
482189.83	3734206.28	12.31339	(14120116)	482388.39	
3734219.52	14.16995	(14120116)			
482117.97	3734115.51	9.81452			
(14120116)					

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

DATE

NETWORK

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

ALL HIGH 1ST HIGH VALUE IS 59.83356 ON 16010616: AT (481961.77, 3734299.81,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

DATE

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

ALL HIGH 1ST HIGH VALUE IS 17.54346 ON 16010616: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:28:34

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****

ME W186	763	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	763	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 ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 3/12/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Cons NOX\15360 Cons
NOX.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 1
  URBANOPT 2189641 Riverside_County
  POLLUTID NOX
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Cons NOX.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

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LOCATION	VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION	VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION	VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION	VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION	VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION	VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION	VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION	VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION	VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION	VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION	VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION	VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION	VOL41	VOLUME	482366.891	3734384.784	433.000

** Source Parameters **

SRCPARAM	VOL1	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL2	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL3	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL4	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL5	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL6	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL7	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL8	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL9	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL10	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL11	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL12	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL13	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL14	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL15	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL16	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL17	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL18	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL19	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL20	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL21	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL22	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL23	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL24	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL25	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL26	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL27	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL28	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL29	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL30	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL31	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL32	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL33	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL34	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL35	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL36	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL37	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL38	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL39	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL40	0.0163259449	5.000	16.605	1.400
SRCPARAM	VOL41	0.0163259449	5.000	16.605	1.400

URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "15360 Cons NOX.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

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "15360 CONS NOX.AD\01H1GALL.PLT" 31

SUMMFILE "15360 Cons NOX.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```

A Total of      0 Fatal Error Message(s)
A Total of      2 Warning Message(s)
A Total of      0 Informational Message(s)

```

```

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

```

***** WARNING MESSAGES *****
ME W186 763 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 763 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 41 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 Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 41 Source(s); 1 Source Group(s); and 83 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 41 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15360 Cons

NOX.err

**File for Summary of Results: 15360 Cons

NOX.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	SCALAR	VARY	BY						
	CATS.								
VOL1	0	0.16326E-01	481958.7	3733736.3	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL2	0	0.16326E-01	482022.3	3733736.0	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL3	0	0.16326E-01	481958.4	3733808.0	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL4	0	0.16326E-01	482022.3	3733808.0	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL5	0	0.16326E-01	481957.7	3733879.4	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL6	0	0.16326E-01	482022.9	3733879.4	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL7	0	0.16326E-01	481957.7	3733951.4	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL8	0	0.16326E-01	482021.1	3733950.8	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL9	0	0.16326E-01	481957.1	3734022.8	432.1	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL10	0	0.16326E-01	482020.5	3734022.2	433.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL11	0	0.16326E-01	481932.3	3734094.2	432.0	5.00	16.61	1.40	
YES	HRDOW	NO							
VOL12	0	0.16326E-01	482003.7	3734093.6	432.0	5.00	16.61	1.40	

```

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SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
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[illegible]

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*** MODELOPTs:      PAGE      4
                    RegDFault  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

```

SRCGROUP ID		SOURCE IDs					
-----		-----					
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,
VOL7	, VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				

```

*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*

```

URBAN ID	URBAN POP	SOURCE IDs										
-----	-----	-----										
	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	,	VOL7	,								
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								

VOL41 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL1				; SOURCE TYPE = VOLUME				:			
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR							

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

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

SOURCE ID = VOL2				; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR							

DAY OF WEEK = WEEKDAY

```
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
SOURCE ID = VOL4          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
SOURCE ID = VOL5          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
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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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----

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                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:29:55

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:29:55

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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                                PAGE 22
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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                                PAGE 23
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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```
SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
```

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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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:29:55

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

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

*** AERMET - VERSION 16216 ***

18:29:55

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

SOURCE ID = VOL21				; SOURCE TYPE = VOLUME				:			
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR							

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

*** AERMET - VERSION 16216 ***

* * *

18:29:55

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

18:29:55

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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  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
PR *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  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 .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01  14
.1000E+01  15 .1000E+01  16 .1000E+01
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
PR *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:29:55
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
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***
18:29:55

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                                PAGE 33
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

SOURCE ID = VOL28      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:29:55

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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 SP\15360 Ops *** 03/12/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

```
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
```

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*** 18:29:55
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

```
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:29:55
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
```

```

- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

```

- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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SP\15360 Ops *** 03/12/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6, 432.0, 432.0, 2.0); (481962.5, 3734264.7,
432.0, 432.0, 2.0);
(481962.2, 3734282.2, 432.0, 432.0, 2.0); (481961.8, 3734299.8,
432.0, 432.0, 2.0);
(481961.5, 3734312.2, 432.0, 432.0, 2.0); (481961.3, 3734351.1,
432.0, 432.0, 2.0);
(481961.1, 3734369.1, 432.0, 432.0, 2.0); (481961.5, 3734382.0,
432.0, 432.0, 2.0);
(481961.1, 3734399.1, 432.0, 432.0, 2.0); (481953.1, 3734437.5,
432.0, 432.0, 2.0);
(481952.2, 3734453.0, 432.0, 432.0, 2.0); (481959.4, 3734466.1,
431.0, 431.0, 2.0);
(482097.1, 3734535.8, 431.0, 431.0, 2.0); (482139.2, 3734533.9,
431.0, 431.0, 2.0);
(482279.7, 3734539.1, 431.0, 431.0, 2.0); (482216.9, 3734550.7,
431.0, 431.0, 2.0);
(482528.8, 3734259.0, 433.0, 433.0, 2.0); (482528.8, 3734102.8,
433.4, 433.4, 2.0);
(482904.5, 3734166.2, 435.0, 435.0, 2.0); (482915.2, 3734146.8,
435.0, 435.0, 2.0);
(482903.6, 3734117.3, 435.0, 435.0, 2.0); (482904.9, 3734060.6,
435.0, 435.0, 2.0);
(482905.2, 3734042.1, 435.0, 435.0, 2.0); (482905.2, 3734025.9,
435.0, 435.0, 2.0);
(482919.1, 3734006.4, 435.0, 435.0, 2.0); (482836.6, 3733631.8,
435.0, 435.0, 2.0);
(483237.5, 3733952.1, 436.0, 436.0, 2.0); (483302.4, 3733879.3,
436.0, 436.0, 2.0);
(483300.3, 3733712.5, 436.0, 436.0, 2.0); (483082.9, 3733655.5,
435.0, 435.0, 2.0);
(482319.7, 3733551.0, 434.0, 434.0, 2.0); (481675.8, 3733533.5,
432.4, 432.4, 2.0);
(481361.0, 3733618.0, 432.0, 432.0, 2.0); (481272.8, 3733583.2,
431.8, 431.8, 2.0);
(480863.0, 3733796.2, 430.3, 430.3, 2.0); (480863.6, 3734055.8,
430.0, 430.0, 2.0);
(480848.7, 3733622.9, 430.5, 430.5, 2.0); (481879.2, 3733714.0,
433.0, 433.0, 2.0);
(481880.6, 3733725.1, 433.0, 433.0, 2.0); (481880.0, 3733747.1,
433.0, 433.0, 2.0);
(481880.3, 3733755.9, 433.0, 433.0, 2.0); (481882.2, 3733776.0,
433.0, 433.0, 2.0);
(481883.6, 3733791.7, 433.0, 433.0, 2.0); (481883.3, 3733832.2,
433.0, 433.0, 2.0);
(481880.0, 3733878.2, 432.9, 432.9, 2.0); (481883.1, 3733920.1,

```

*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                ***      18:29:55

```

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

[illegible]

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

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

1.54, 3.09, 5.14, 8.23, 10.80,
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** 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		

3734382.01	63.40628	(16010616)	
481961.07	3734399.10	60.43646	(16010616) 481953.11
3734437.51	51.29760	(16010616)	
481952.17	3734452.96	46.94375	(16010616) 481959.43
3734466.07	46.33003	(16010616)	
482097.06	3734535.79	26.72104	(16010516) 482139.21
3734533.86	26.49766	(16010516)	
482279.72	3734539.09	22.73458	(10121516) 482216.90
3734550.67	21.85121	(10121516)	
482528.77	3734258.97	12.58529	(16010716) 482528.77
3734102.85	8.72139	(10121516)	
482904.55	3734166.22	3.88573	(16010716) 482915.25
3734146.77	3.78780	(16010716)	
482903.58	3734117.28	3.75068	(16010716) 482904.88
3734060.56	3.25437	(16010716)	
482905.20	3734042.08	3.13300	(10121516) 482905.20
3734025.88	3.10227	(10121516)	
482919.14	3734006.43	2.98438	(10121516) 482836.60
3733631.78	2.46845	(10121516)	
483237.52	3733952.14	1.94094	(16010716) 483302.44
3733879.31	1.61896	(16010716)	
483300.33	3733712.52	1.44378	(10121516) 483082.88
3733655.52	1.81865	(10121516)	
482319.69	3733551.02	4.66067	(10121516) 481675.81
3733533.54	7.07934	(11010316)	
481360.99	3733617.99	7.31450	(11010316) 481272.81
3733583.21	6.23739	(11010316)	
480862.98	3733796.20	1.67304	(14120316) 480863.61
3734055.76	1.81640	(16010616)	
480848.70	3733622.95	1.39094	(16012216) 481879.20
3733714.04	23.22457	(11010316)	
481880.58	3733725.06	23.02645	(11010316) 481880.02
3733747.10	24.99414	(16010616)	
481880.30	3733755.92	26.30635	(16010616) 481882.23
3733776.03	29.10748	(16010616)	
481883.61	3733791.74	30.76014	(16010616) 481883.33
3733832.24	31.97730	(16010616)	
481880.02	3733878.25	31.57565	(16010616) 481883.06
3733920.14	33.32981	(11010316)	
481884.16	3733929.78	33.84469	(16010616) 481883.61
3733943.83	33.89593	(16010616)	
481885.53	3733965.60	36.35992	(11010316) 481884.71
3733982.41	38.27098	(11010316)	
481880.30	3734005.55	37.38104	(11010316) 481876.17
3734022.08	39.37286	(11010316)	
481868.18	3734046.05	47.36619	(11010316) 481861.84
3734062.04	49.68823	(11010316)	
481851.09	3734082.15	45.18518	(11010316) 481843.38
3734096.48	38.65907	(16010616)	
481828.50	3734117.42	34.35526	(16010616) 481817.20
3734130.09	30.35805	(16010616)	
481805.63	3734143.32	26.70568	(16010616) 481792.96
3734157.92	23.38958	(16010616)	
481859.08	3734160.95	42.88033	(16010616) 481872.86
3734171.15	43.50810	(16010616)	
481891.05	3734184.65	40.95215	(16010516) 481905.65
3734195.12	39.92117	(16010616)	
481915.02	3734203.11	41.80820	(16010616) 481930.17
3734213.30	45.90662	(16010616)	
481946.43	3734225.70	51.50936	(16010616) 482630.92
3734448.65	7.21667	(10121516)	
482625.46	3734541.27	6.59008	(10012115) 483299.43
3734396.77	1.70041	(10122916)	
483313.72	3734511.32	1.59888	(10121516) 482533.74
3734524.68	9.82111	(10012115)	
482120.37	3734193.61	45.27195	(10121516) 482340.01

3734218.45	34.75392	(10121516)	
482161.56	3734207.33	42.72257	(10121516) 482118.41
3734040.65	30.20224	(10121516)	
482100.76	3734004.04	30.66973	(10121516) 482084.42
3733958.29	32.08047	(10121516)	
482078.04	3733831.44	29.15337	(10121516) 482080.01
3733752.27	23.80835	(10121516)	

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
482189.83	3734206.28	39.91762	(10121516)	482388.39	
3734219.52	28.94593	(10101916)			
482117.97	3734115.51	36.82751			
(10121516)					

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

DATE

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

ALL HIGH 1ST HIGH VALUE IS 64.21532 ON 16010616: AT (481961.77, 3734299.81,
432.00, 432.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** *** 18:29:55

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 763 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 763 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 ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 3/12/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Cons PM10\15360 Cons
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 24
  URBANOPT 2189641 Riverside_County
  POLLUTID PM_10
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Cons PM10.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

```

LOCATION	VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION	VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION	VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION	VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION	VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION	VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION	VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION	VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION	VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION	VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION	VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION	VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION	VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION	PAREA1	AREAPOLY	481973.717	3734484.567	431.000
** Source Parameters **					
SRCPARAM	VOL1		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL2		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL3		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL4		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL5		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL6		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL7		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL8		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL9		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL10		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL11		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL12		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL13		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL14		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL15		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL16		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL17		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL18		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL19		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL20		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL21		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL22		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL23		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL24		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL25		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL26		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL27		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL28		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL29		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL30		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL31		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL32		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL33		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL34		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL35		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL36		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL37		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL38		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL39		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL40		0.0008643147	5.000	16.605 1.400
SRCPARAM	VOL41		0.0008643147	5.000	16.605 1.400
SRCPARAM	PAREA1		4.8204E-07	0.000 16	1.000
AREAVERT	PAREA1		481973.717	3734484.567	482381.417 3734478.971
AREAVERT	PAREA1		482390.211	3734470.577	482390.211 3734244.343
AREAVERT	PAREA1		482382.216	3734232.752	482090.431 3734233.551
AREAVERT	PAREA1		482092.030	3734043.291	482055.657 3734042.892
AREAVERT	PAREA1		482057.255	3733698.345	481923.754 3733701.143
AREAVERT	PAREA1		481923.354	3733987.732	481914.161 3734030.101
AREAVERT	PAREA1		481898.572	3734077.666	481876.189 3734121.234
AREAVERT	PAREA1		481860.200	3734144.417	481975.715 3734230.753
URBANSRC	ALL				

```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
    EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
    EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
    EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
    EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
    EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0

```

[illegible]

**	EMISFACT	VOL9		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	Sunday:									
	EMISFACT	VOL9		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL9		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL9		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL9		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:									
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL10		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL10		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:									
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL11		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL11		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:									
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL12		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL12		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:									
	EMISFACT	VOL13		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15360 Cons PM10.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
  RECTABLE ALLAVE 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 24 ALL 1ST "15360 CONS PM10.AD\24H1GALL.PLT" 31
  SUMMFILE "15360 Cons PM10.sum"
OU FINISHED
```

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          2 Warning Message(s)
A Total of          0 Informational Message(s)
```

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

```
***** WARNING MESSAGES *****
ME W186      788      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      788      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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

```
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                03/12/24
*** AERMET - VERSION 16216 ***
***                               *** 18:31:18
```

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 42 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 Accepts FLAGPOLE Receptor . Heights.
```

* The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 83 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 41 VOLUME source(s)
and: 1 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15360 Cons

PM10.err

**File for Summary of Results: 15360 Cons

PM10.sum

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAS\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

- - - - -									
VOL1		0	0.86431E-03	481958.7	3733736.3	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL2		0	0.86431E-03	482022.3	3733736.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL3		0	0.86431E-03	481958.4	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL4		0	0.86431E-03	482022.3	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL5		0	0.86431E-03	481957.7	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL6		0	0.86431E-03	482022.9	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL7		0	0.86431E-03	481957.7	3733951.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL8		0	0.86431E-03	482021.1	3733950.8	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL9		0	0.86431E-03	481957.1	3734022.8	432.1	5.00	16.61	1.40
YES	HRDOW		NO						
VOL10		0	0.86431E-03	482020.5	3734022.2	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL11		0	0.86431E-03	481932.3	3734094.2	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL12		0	0.86431E-03	482003.7	3734093.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL13		0	0.86431E-03	482055.8	3734080.6	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL14		0	0.86431E-03	482056.5	3734152.6	432.2	5.00	16.61	1.40
YES	HRDOW		NO						
VOL15		0	0.86431E-03	481984.4	3734164.4	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL16		0	0.86431E-03	481915.5	3734131.5	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL17		0	0.86431E-03	482055.2	3734223.4	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL18		0	0.86431E-03	482011.8	3734235.2	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL19		0	0.86431E-03	482011.8	3734306.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL20		0	0.86431E-03	482011.1	3734378.0	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL21		0	0.86431E-03	482010.5	3734448.7	431.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL22		0	0.86431E-03	482082.5	3734269.9	432.1	5.00	16.61	1.40
YES	HRDOW		NO						
VOL23		0	0.86431E-03	482082.5	3734325.8	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL24		0	0.86431E-03	482083.2	3734386.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL25		0	0.86431E-03	482083.8	3734446.9	431.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL26		0	0.86431E-03	482153.9	3734269.3	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL27		0	0.86431E-03	482225.3	3734268.7	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL28		0	0.86431E-03	482296.7	3734268.7	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL29		0	0.86431E-03	482368.1	3734268.1	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL30		0	0.86431E-03	482153.9	3734325.8	432.5	5.00	16.61	1.40
YES	HRDOW		NO						
VOL31		0	0.86431E-03	482153.9	3734386.0	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL32		0	0.86431E-03	482153.9	3734445.0	431.0	5.00	16.61	1.40
YES	HRDOW		NO						

VOL33 0 0.86431E-03 482225.3 3734325.8 433.0 5.00 16.61 1.40
YES HRDOW NO
VOL34 0 0.86431E-03 482225.3 3734386.0 432.8 5.00 16.61 1.40
YES HRDOW NO
VOL35 0 0.86431E-03 482225.3 3734443.8 431.9 5.00 16.61 1.40
YES HRDOW NO
VOL36 0 0.86431E-03 482296.7 3734325.8 433.0 5.00 16.61 1.40
YES HRDOW NO
VOL37 0 0.86431E-03 482296.1 3734384.8 433.0 5.00 16.61 1.40
YES HRDOW NO
VOL38 0 0.86431E-03 482296.1 3734443.8 433.0 5.00 16.61 1.40
YES HRDOW NO
VOL39 0 0.86431E-03 482367.5 3734325.8 433.0 5.00 16.61 1.40
YES HRDOW NO
VOL40 0 0.86431E-03 482367.5 3734441.9 433.0 5.00 16.61 1.40
YES HRDOW NO
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	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						
VOL41	0	0.86431E-03	482366.9	3734384.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION	RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER	INIT.
	URBAN	EMISSION	RATE	AIRCRAFT				
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ
SOURCE	SCALAR	VARY						
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)		
(METERS)		BY						
PAREA1	0	0.48204E-06	481973.7	3734484.6	431.0	0.00	16	1.00
YES	HRDOW	NO						
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SP\15360 Ops *** 03/12/24								
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,
VOL7	, VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
- - - - -											
- - - - -											

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
- - - - -											
- - - - -											

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

+00 4 .00000E+00

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HOUR SCALAR HOUR SCALAR HOUR SCALAR HO

.....

DAY OF WEEK = WEEKDAY

DAY OF WEEK = WEEKDAY

+00 4 .00000E+00

+01 12 1000E+01

```

F01      12      .1000E+01

```

[illegible]

+00 20 .00000E+00

DAY OF WEEK = SATURDAY

+00 4 .00000E+00

[illegible]

+00 12 0000E+00 1

```

F00      12      .00000E+00      1

```

[illegible]

+00	20	.00000E+00	2

DAY OF WEEK = SUNDAY

+00 4 .00000E+00

[illegible]

+00 12 00000E+00

```

F00      12      .00000E+00

```

• • • • •

+00 20 .00000E+00

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HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

[illegible]

```

- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL17          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
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18:31:18

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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SOURCE ID = VOL18          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
 SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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	

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.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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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

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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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -

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                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:31:18

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:31:18

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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

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.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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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                                PAGE 36
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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                                PAGE 37
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR

```

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	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

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	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

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

18:31:18

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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  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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                   03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL39      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  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 .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01  14
.1000E+01  15 .1000E+01  16 .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                   03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:31:18
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                                PAGE 46
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL40      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
```



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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:31:18

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                                PAGE 47
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

SOURCE ID = VOL41      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:31:18

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                                PAGE 48
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

```

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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					

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0,	432.0,	2.0);		
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0,	432.0,	2.0);		
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0,	432.0,	2.0);		
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0,	432.0,	2.0);		
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0,	432.0,	2.0);		
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0,	431.0,	2.0);		
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0,	431.0,	2.0);		
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0,	431.0,	2.0);		
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4,	433.4,	2.0);		
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0,	435.0,	2.0);		
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0,	435.0,	2.0);		
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0,	435.0,	2.0);		
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0,	435.0,	2.0);		
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,

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436.0,      436.0,      2.0);
( 483300.3, 3733712.5,      436.0,      436.0,      2.0);
435.0,      435.0,      2.0);
( 482319.7, 3733551.0,      434.0,      434.0,      2.0);
432.4,      432.4,      2.0);
( 481361.0, 3733618.0,      432.0,      432.0,      2.0);
431.8,      431.8,      2.0);
( 480863.0, 3733796.2,      430.3,      430.3,      2.0);
430.0,      430.0,      2.0);
( 480848.7, 3733622.9,      430.5,      430.5,      2.0);
433.0,      433.0,      2.0);
( 481880.6, 3733725.1,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481880.3, 3733755.9,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481883.6, 3733791.7,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481880.0, 3733878.2,      432.9,      432.9,      2.0);
432.4,      432.4,      2.0);
( 481884.2, 3733929.8,      432.5,      432.5,      2.0);
432.3,      432.3,      2.0);
( 481885.5, 3733965.6,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481880.3, 3734005.5,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481868.2, 3734046.0,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481851.1, 3734082.1,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481828.5, 3734117.4,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481805.6, 3734143.3,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481859.1, 3734160.9,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481891.0, 3734184.6,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481915.0, 3734203.1,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481946.4, 3734225.7,      432.0,      432.0,      2.0);
434.0,      434.0,      2.0);
( 482625.5, 3734541.3,      433.0,      433.0,      2.0);
436.4,      436.4,      2.0);
( 483313.7, 3734511.3,      436.1,      436.1,      2.0);
433.0,      433.0,      2.0);
( 482120.4, 3734193.6,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482161.6, 3734207.3,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482100.8, 3734004.0,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482078.0, 3733831.4,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482189.8, 3734206.3,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482118.0, 3734115.5,      433.0,      433.0,
2.0);

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*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:31:18

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[illegible]

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

First hour of profile data

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

*** AERMET - VERSION 16216 ***

* * *

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S) :					
VOL3	VOL4	VOL5	VOL6	VOL7	VOL8
VOL6	VOL7	VOL8	VOL9	VOL10	VOL11
VOL11	VOL12	VOL13	VOL14	VOL15	VOL16
VOL14	VOL15	VOL16	VOL17	VOL18	VOL19
VOL19	VOL20	VOL21	VOL22	VOL23	VOL24
VOL22	VOL23	VOL24	VOL25	VOL26	VOL27

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
481962.48	3734240.57	1.90161c	(16010624)	481962.48	
3734264.69	1.73323c	(16010624)			
481962.24	3734282.25	1.69675c	(16010624)	481961.77	
3734299.81	1.68831c	(16010624)			
481961.54	3734312.23	1.68121c	(16010624)	481961.30	
3734351.10	1.67946c	(16010624)			
481961.07	3734369.13	1.67950c	(16010624)	481961.54	
3734382.01	1.71451	(10121524)			
481961.07	3734399.10	1.71182	(10121524)	481953.11	
3734437.51	1.47726	(10121524)			
481952.17	3734452.96	1.43993	(10121524)	481959.43	
3734466.07	1.62292	(10121524)			
482097.06	3734535.79	1.04793c	(10121724)	482139.21	
3734533.86	1.01219c	(10121724)			
482279.72	3734539.09	0.84870	(11112424)	482216.90	
3734550.67	0.79442	(16010524)			
482528.77	3734258.97	0.31707	(14040124)	482528.77	
3734102.85	0.21226m	(10052024)			
482904.55	3734166.22	0.07981	(14040124)	482915.25	
3734146.77	0.07682	(14040124)			
482903.58	3734117.28	0.07570	(14040124)	482904.88	
3734060.56	0.06668	(14040124)			
482905.20	3734042.08	0.06341	(14040124)	482905.20	
3734025.88	0.06057	(14040124)			
482919.14	3734006.43	0.05648	(14040124)	482836.60	
3733631.78	0.04861m	(10052024)			
483237.52	3733952.14	0.03620	(14040124)	483302.44	
3733879.31	0.03031	(14040124)			
483300.33	3733712.52	0.02597	(10021524)	483082.88	
3733655.52	0.03247	(15111624)			
482319.69	3733551.02	0.12881	(14120124)	481675.81	
3733533.54	0.13836c	(15012824)			
481360.99	3733617.99	0.09431c	(14012424)	481272.81	
3733583.21	0.08507c	(10122124)			
480862.98	3733796.20	0.05882	(11012424)	480863.61	
3734055.76	0.06071	(11012424)			
480848.70	3733622.95	0.05517	(16110924)	481879.20	
3733714.04	0.57845m	(15123124)			
481880.58	3733725.06	0.60364m	(15123124)	481880.02	
3733747.10	0.62103m	(15123124)			
481880.30	3733755.92	0.63154m	(15123124)	481882.23	
3733776.03	0.66403m	(15123124)			
481883.61	3733791.74	0.68620m	(15123124)	481883.33	
3733832.24	0.73229	(10121524)			
481880.02	3733878.25	0.72837	(10121524)	481883.06	
3733920.14	0.78157	(10121524)			
481884.16	3733929.78	0.79815	(10121524)	481883.61	
3733943.83	0.80518m	(15123124)			
481885.53	3733965.60	0.85884m	(15123124)	481884.71	
3733982.41	0.89013m	(15123124)			
481880.30	3734005.55	0.90983m	(15123124)	481876.17	
3734022.08	0.92258m	(15123124)			
481868.18	3734046.05	0.92894m	(15123124)	481861.84	
3734062.04	0.91770m	(15123124)			
481851.09	3734082.15	0.84658m	(15123124)	481843.38	

3734096.48	0.80990c	(14012424)	
481828.50	3734117.42	0.71508c	(14120324) 481817.20
3734130.09	0.67170	(10121524)	
481805.63	3734143.32	0.62804	(10121524) 481792.96
3734157.92	0.57874	(10121524)	
481859.08	3734160.95	1.34024c	(16010624) 481872.86
3734171.15	1.54440c	(16010624)	
481891.05	3734184.65	1.66013c	(16010624) 481905.65
3734195.12	1.71034c	(16010624)	
481915.02	3734203.11	1.69616c	(16010624) 481930.17
3734213.30	1.75536c	(16010624)	
481946.43	3734225.70	1.79465c	(16010624) 482630.92
3734448.65	0.14420c	(10012924)	
482625.46	3734541.27	0.14325	(14013124) 483299.43
3734396.77	0.03477	(14122224)	
483313.72	3734511.32	0.03466	(14122224) 482533.74
3734524.68	0.22350	(15122224)	
482120.37	3734193.61	1.06651c	(10121624) 482340.01
3734218.45	1.39289b	(10120624)	
482161.56	3734207.33	1.20431b	(10120624) 482118.41
3734040.65	0.69997	(14120124)	
482100.76	3734004.04	0.75486	(14120124) 482084.42
3733958.29	0.79922	(15122224)	
482078.04	3733831.44	0.81833	(15122224) 482080.01
3733752.27	0.77738	(14120124)	

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***                                     ***      18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
482189.83	3734206.28	1.18067b	(10120624)	482388.39	
3734219.52	1.13059	(14120124)			
482117.97	3734115.51	0.85910			
(15122224)					

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***                                     ***      18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³

**

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

ALL HIGH 1ST HIGH VALUE IS 1.90161c ON 16010624: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:31:18

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 788 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 788 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 ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 3/12/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Cons PM25\15360 Cons
PM25.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 24
  URBANOPT 2189641 Riverside_County
  POLLUTID PM_2.5
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Cons PM25.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

```

LOCATION	VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION	VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION	VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION	VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION	VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION	VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION	VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION	VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION	VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION	VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION	VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION	VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION	VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION	PAREA1	AREAPOLY	481973.717	3734484.567	431.000
** Source Parameters **					
SRCPARAM	VOL1	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL2	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL3	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL4	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL5	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL6	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL7	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL8	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL9	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL10	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL11	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL12	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL13	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL14	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL15	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL16	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL17	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL18	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL19	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL20	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL21	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL22	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL23	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL24	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL25	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL26	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL27	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL28	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL29	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL30	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL31	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL32	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL33	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL34	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL35	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL36	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL37	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL38	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL39	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL40	0.0007951696	5.000	16.605	1.400
SRCPARAM	VOL41	0.0007951696	5.000	16.605	1.400
SRCPARAM	PAREA1	2.2909E-07	0.000	16	1.000
AREAVERT	PAREA1	481973.717	3734484.567	482381.417	3734478.971
AREAVERT	PAREA1	482390.211	3734470.577	482390.211	3734244.343
AREAVERT	PAREA1	482382.216	3734232.752	482090.431	3734233.551
AREAVERT	PAREA1	482092.030	3734043.291	482055.657	3734042.892
AREAVERT	PAREA1	482057.255	3733698.345	481923.754	3733701.143
AREAVERT	PAREA1	481923.354	3733987.732	481914.161	3734030.101
AREAVERT	PAREA1	481898.572	3734077.666	481876.189	3734121.234
AREAVERT	PAREA1	481860.200	3734144.417	481975.715	3734230.753
URBANSRC	ALL				

```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0

```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15360 Cons PM25.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
  RECTABLE ALLAVE 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 24 ALL 1ST "15360 CONS PM25.AD\24H1GALL.PLT" 31
  SUMMFILE "15360 Cons PM25.sum"
OU FINISHED
```

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          2 Warning Message(s)
A Total of          0 Informational Message(s)
```

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

```
***** WARNING MESSAGES *****
ME W186      788      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      788      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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

```
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                03/12/24
*** AERMET - VERSION 16216 ***
***                               *** 18:32:47
```

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 42 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 Accepts FLAGPOLE Receptor . Heights.
```

* The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 83 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 41 VOLUME source(s)
and: 1 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15360 Cons

PM25.err

**File for Summary of Results: 15360 Cons

PM25.sum

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAS\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

- - - - -									
VOL1		0	0.79517E-03	481958.7	3733736.3	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL2		0	0.79517E-03	482022.3	3733736.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL3		0	0.79517E-03	481958.4	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL4		0	0.79517E-03	482022.3	3733808.0	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL5		0	0.79517E-03	481957.7	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL6		0	0.79517E-03	482022.9	3733879.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL7		0	0.79517E-03	481957.7	3733951.4	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL8		0	0.79517E-03	482021.1	3733950.8	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL9		0	0.79517E-03	481957.1	3734022.8	432.1	5.00	16.61	1.40
YES	HRDOW		NO						
VOL10		0	0.79517E-03	482020.5	3734022.2	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL11		0	0.79517E-03	481932.3	3734094.2	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL12		0	0.79517E-03	482003.7	3734093.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL13		0	0.79517E-03	482055.8	3734080.6	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL14		0	0.79517E-03	482056.5	3734152.6	432.2	5.00	16.61	1.40
YES	HRDOW		NO						
VOL15		0	0.79517E-03	481984.4	3734164.4	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL16		0	0.79517E-03	481915.5	3734131.5	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL17		0	0.79517E-03	482055.2	3734223.4	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL18		0	0.79517E-03	482011.8	3734235.2	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL19		0	0.79517E-03	482011.8	3734306.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL20		0	0.79517E-03	482011.1	3734378.0	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL21		0	0.79517E-03	482010.5	3734448.7	431.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL22		0	0.79517E-03	482082.5	3734269.9	432.1	5.00	16.61	1.40
YES	HRDOW		NO						
VOL23		0	0.79517E-03	482082.5	3734325.8	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL24		0	0.79517E-03	482083.2	3734386.6	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL25		0	0.79517E-03	482083.8	3734446.9	431.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL26		0	0.79517E-03	482153.9	3734269.3	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL27		0	0.79517E-03	482225.3	3734268.7	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL28		0	0.79517E-03	482296.7	3734268.7	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL29		0	0.79517E-03	482368.1	3734268.1	433.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL30		0	0.79517E-03	482153.9	3734325.8	432.5	5.00	16.61	1.40
YES	HRDOW		NO						
VOL31		0	0.79517E-03	482153.9	3734386.0	432.0	5.00	16.61	1.40
YES	HRDOW		NO						
VOL32		0	0.79517E-03	482153.9	3734445.0	431.0	5.00	16.61	1.40
YES	HRDOW		NO						

VOL33	0	0.79517E-03	482225.3	3734325.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
VOL34	0	0.79517E-03	482225.3	3734386.0	432.8	5.00	16.61	1.40
YES	HRDOW	NO						
VOL35	0	0.79517E-03	482225.3	3734443.8	431.9	5.00	16.61	1.40
YES	HRDOW	NO						
VOL36	0	0.79517E-03	482296.7	3734325.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
VOL37	0	0.79517E-03	482296.1	3734384.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
VOL38	0	0.79517E-03	482296.1	3734443.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
VOL39	0	0.79517E-03	482367.5	3734325.8	433.0	5.00	16.61	1.40
YES	HRDOW	NO						
VOL40	0	0.79517E-03	482367.5	3734441.9	433.0	5.00	16.61	1.40
YES	HRDOW	NO						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

VOL41	0	0.79517E-03	482366.9	3734384.8	433.0	5.00	16.61	1.40		
YES	HRDOW	NO								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

		NUMBER	EMISSION	RATE			BASE	RELEASE	NUMBER	INIT.
		URBAN	EMISSION	RATE						
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ		
SOURCE	SCALAR	VARY								
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)				
(METERS)		BY								

PAREA1	0	0.22909E-06	481973.7	3734484.6	431.0	0.00	16	1.00		
YES	HRDOW	NO								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,
VOL7	, VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
- - - - -											
- - - - -											

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
- - - - -											
- - - - -											

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```
+00      4      .00000E+00
```

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HOUR SCALAR HOUR SCALAR HOUR SCALAR HO

.....

DAY OF WEEK = WEEKDAY

```
+00      4      .00000E+00
```

DAY OF WEEK = SATURDAY

+00 4 .00000E+00

DAY OF WEEK = SUNDAY

+00 4 .00000E+00

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HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

```

- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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					

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SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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
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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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


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.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
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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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

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SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL17          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
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18:32:47

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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SOURCE ID = VOL18          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
```

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```

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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
```

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

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                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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                                PAGE 37
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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18:32:47

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PAGE 38
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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
*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

```

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                ***      18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

SOURCE ID = VOL34				; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR	HOUR	SCALAR	HOUR	SCALAR							

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                    03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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						

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
 SP\15360 Ops *** 03/12/24
 *** AERMET - VERSION 16216 ***
 *** 18:32:47

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
.1000E+01		15	.1000E+01	16	.1000E+01						
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	

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.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
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
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						

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  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
PR *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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                                PAGE 45
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  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 .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01  14
.1000E+01  15 .1000E+01  16 .1000E+01
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
PR *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
***                                     *** 18:32:47
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                                PAGE 46
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *
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SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
                                DAY OF WEEK = WEEKDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
```

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:32:47

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                                PAGE 47
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

SOURCE ID = VOL41      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
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
FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/12/24
*** AERMET - VERSION 16216 ***
***
***
18:32:47

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                                PAGE 48
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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

DAY OF WEEK = WEEKDAY

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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01		15	.1000E+01	16	.1000E+01					
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					

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0,	432.0,	2.0);		
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0,	432.0,	2.0);		
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0,	432.0,	2.0);		
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0,	432.0,	2.0);		
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0,	432.0,	2.0);		
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0,	431.0,	2.0);		
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0,	431.0,	2.0);		
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0,	431.0,	2.0);		
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4,	433.4,	2.0);		
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0,	435.0,	2.0);		
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0,	435.0,	2.0);		
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0,	435.0,	2.0);		
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0,	435.0,	2.0);		
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,

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436.0,      436.0,      2.0);
( 483300.3, 3733712.5,      436.0,      436.0,      2.0);
435.0,      435.0,      2.0);
( 482319.7, 3733551.0,      434.0,      434.0,      2.0);
432.4,      432.4,      2.0);
( 481361.0, 3733618.0,      432.0,      432.0,      2.0);
431.8,      431.8,      2.0);
( 480863.0, 3733796.2,      430.3,      430.3,      2.0);
430.0,      430.0,      2.0);
( 480848.7, 3733622.9,      430.5,      430.5,      2.0);
433.0,      433.0,      2.0);
( 481880.6, 3733725.1,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481880.3, 3733755.9,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481883.6, 3733791.7,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 481880.0, 3733878.2,      432.9,      432.9,      2.0);
432.4,      432.4,      2.0);
( 481884.2, 3733929.8,      432.5,      432.5,      2.0);
432.3,      432.3,      2.0);
( 481885.5, 3733965.6,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481880.3, 3734005.5,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481868.2, 3734046.0,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481851.1, 3734082.1,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481828.5, 3734117.4,      432.0,      432.0,      2.0);
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( 481805.6, 3734143.3,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481859.1, 3734160.9,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481891.0, 3734184.6,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481915.0, 3734203.1,      432.0,      432.0,      2.0);
432.0,      432.0,      2.0);
( 481946.4, 3734225.7,      432.0,      432.0,      2.0);
434.0,      434.0,      2.0);
( 482625.5, 3734541.3,      433.0,      433.0,      2.0);
436.4,      436.4,      2.0);
( 483313.7, 3734511.3,      436.1,      436.1,      2.0);
433.0,      433.0,      2.0);
( 482120.4, 3734193.6,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482161.6, 3734207.3,      433.0,      433.0,      2.0);
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( 482100.8, 3734004.0,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482078.0, 3733831.4,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482189.8, 3734206.3,      433.0,      433.0,      2.0);
433.0,      433.0,      2.0);
( 482118.0, 3734115.5,      433.0,      433.0,
2.0);

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*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** 18:32:47

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[illegible]

10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
335.			9.1	282.5	5.5										
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
142.			9.1	280.9	5.5										
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
324.			9.1	280.4	5.5										
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40

294.	9.1	278.8	5.5												
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90
205.	9.1	278.1	5.5												
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40
3.	9.1	277.0	5.5												
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30
99.	9.1	277.0	5.5												
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90
319.	9.1	278.8	5.5												
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90
239.	9.1	284.2	5.5												
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40
188.	9.1	289.2	5.5												
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70
310.	9.1	290.9	5.5												
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20
357.	9.1	293.1	5.5												
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20
356.	9.1	293.8	5.5												
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20
50.	9.1	294.2	5.5												
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80
53.	9.1	293.8	5.5												
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80
11.	9.1	292.5	5.5												
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90
351.	9.1	290.4	5.5												
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.	9.1	287.5	5.5												
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

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

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

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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
481962.48	3734240.57	1.05794c	(16010624)	481962.48	
3734264.69	0.97168c	(16010624)			
481962.24	3734282.25	0.95073c	(16010624)	481961.77	
3734299.81	0.94435c	(16010624)			
481961.54	3734312.23	0.94014c	(16010624)	481961.30	
3734351.10	0.93564c	(16010624)			
481961.07	3734369.13	0.93440c	(16010624)	481961.54	
3734382.01	0.94571	(10121524)			
481961.07	3734399.10	0.94074	(10121524)	481953.11	
3734437.51	0.80565	(10121524)			
481952.17	3734452.96	0.78319	(10121524)	481959.43	
3734466.07	0.87768	(10121524)			
482097.06	3734535.79	0.58367	(16010524)	482139.21	
3734533.86	0.58122	(16010524)			
482279.72	3734539.09	0.48923	(11112424)	482216.90	
3734550.67	0.46088	(16010524)			
482528.77	3734258.97	0.18203	(14040124)	482528.77	
3734102.85	0.12437m	(10052024)			
482904.55	3734166.22	0.04510	(14040124)	482915.25	
3734146.77	0.04344	(14040124)			
482903.58	3734117.28	0.04296	(14040124)	482904.88	
3734060.56	0.03818	(14040124)			
482905.20	3734042.08	0.03643	(14040124)	482905.20	
3734025.88	0.03490	(14040124)			
482919.14	3734006.43	0.03262	(14040124)	482836.60	
3733631.78	0.02841c	(16011924)			
483237.52	3733952.14	0.02058	(14040124)	483302.44	
3733879.31	0.01731	(14040124)			
483300.33	3733712.52	0.01483	(15121424)	483082.88	
3733655.52	0.01941c	(16011924)			
482319.69	3733551.02	0.07573	(14120124)	481675.81	
3733533.54	0.07785c	(15012824)			
481360.99	3733617.99	0.05438c	(11010324)	481272.81	
3733583.21	0.04639c	(11010324)			
480862.98	3733796.20	0.02970	(11012424)	480863.61	
3734055.76	0.03078	(11012424)			
480848.70	3733622.95	0.03007	(16110924)	481879.20	
3733714.04	0.32065m	(15123124)			
481880.58	3733725.06	0.33409m	(15123124)	481880.02	
3733747.10	0.34390m	(15123124)			
481880.30	3733755.92	0.35026m	(15123124)	481882.23	
3733776.03	0.36938m	(15123124)			
481883.61	3733791.74	0.38156m	(15123124)	481883.33	
3733832.24	0.41582	(10121524)			
481880.02	3733878.25	0.41521	(10121524)	481883.06	
3733920.14	0.44703	(10121524)			
481884.16	3733929.78	0.45635	(10121524)	481883.61	
3733943.83	0.45674	(10121524)			
481885.53	3733965.60	0.47803m	(15123124)	481884.71	
3733982.41	0.49529m	(15123124)			
481880.30	3734005.55	0.50501m	(15123124)	481876.17	
3734022.08	0.51167m	(15123124)			
481868.18	3734046.05	0.51816m	(15123124)	481861.84	
3734062.04	0.51273m	(15123124)			
481851.09	3734082.15	0.47628c	(14012424)	481843.38	

3734096.48	0.46351c	(14012424)	
481828.50	3734117.42	0.40820c	(14120324) 481817.20
3734130.09	0.37481	(10121524)	
481805.63	3734143.32	0.34829	(10121524) 481792.96
3734157.92	0.31951	(10121524)	
481859.08	3734160.95	0.73033c	(16010624) 481872.86
3734171.15	0.84327c	(16010624)	
481891.05	3734184.65	0.90868c	(16010624) 481905.65
3734195.12	0.93504c	(16010624)	
481915.02	3734203.11	0.92795c	(16010624) 481930.17
3734213.30	0.96040c	(16010624)	
481946.43	3734225.70	0.98752c	(16010624) 482630.92
3734448.65	0.08279c	(10012924)	
482625.46	3734541.27	0.08200	(14013124) 483299.43
3734396.77	0.01808	(14122224)	
483313.72	3734511.32	0.01798	(14122224) 482533.74
3734524.68	0.13044	(15122224)	
482120.37	3734193.61	0.61190c	(10121624) 482340.01
3734218.45	0.77695b	(10120624)	
482161.56	3734207.33	0.68891b	(10120624) 482118.41
3734040.65	0.40773	(14120124)	
482100.76	3734004.04	0.43958	(14120124) 482084.42
3733958.29	0.45196	(15122224)	
482078.04	3733831.44	0.47195	(14120124) 482080.01
3733752.27	0.44576	(14120124)	

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
*** 18:32:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
482189.83	3734206.28	0.66991b	(10120624)	482388.39	
3734219.52	0.65667	(14120124)			
482117.97	3734115.51	0.48742			
(15122224)					

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SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM 2.5 IN
MICROGRAMS/M**3

**

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

ALL HIGH 1ST HIGH VALUE IS 1.05794c ON 16010624: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/12/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 788 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 788 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 ***

```

** 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 CO\15360 Ops CO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 1 8
  URBANOPT 2189641 Riverside_County
  POLLUTID CO
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Ops CO.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000
LOCATION VOL29     VOLUME      482368.132    3734268.063    433.000

```


LOCATION VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION VOL42	VOLUME	482126.961	3734197.819	433.000
LOCATION VOL43	VOLUME	482197.120	3734197.199	433.000
LOCATION VOL44	VOLUME	482267.900	3734196.578	433.000
LOCATION VOL45	VOLUME	482339.300	3734196.578	433.000
LOCATION VOL46	VOLUME	482367.860	3734195.957	433.000
LOCATION VOL47	VOLUME	482127.582	3734125.798	433.000
LOCATION VOL48	VOLUME	482198.362	3734124.556	433.000
LOCATION VOL49	VOLUME	482269.762	3734124.556	433.000
LOCATION VOL50	VOLUME	482339.921	3734124.556	433.000
LOCATION VOL51	VOLUME	482369.723	3734124.556	433.000
LOCATION VOL52	VOLUME	482092.192	3734053.777	433.000
LOCATION VOL53	VOLUME	482164.214	3734053.777	433.000
LOCATION VOL54	VOLUME	482235.614	3734051.914	433.000
LOCATION VOL55	VOLUME	482307.636	3734052.535	433.000
LOCATION VOL56	VOLUME	482372.207	3734053.156	433.000
LOCATION VOL57	VOLUME	482092.192	3733981.755	433.000
LOCATION VOL58	VOLUME	482163.593	3733982.997	433.000
LOCATION VOL59	VOLUME	482235.614	3733982.376	433.000
LOCATION VOL60	VOLUME	482307.636	3733981.134	433.000
LOCATION VOL61	VOLUME	482365.998	3733982.376	433.000
LOCATION VOL62	VOLUME	482092.813	3733909.734	433.000
LOCATION VOL63	VOLUME	482163.593	3733911.597	433.000
LOCATION VOL64	VOLUME	482234.993	3733910.976	433.000
LOCATION VOL65	VOLUME	482306.394	3733911.597	433.000
LOCATION VOL66	VOLUME	482357.306	3733911.597	433.000
LOCATION VOL67	VOLUME	482092.813	3733838.333	433.000
LOCATION VOL68	VOLUME	482164.835	3733838.954	433.000
LOCATION VOL69	VOLUME	482236.235	3733839.575	433.000
LOCATION VOL70	VOLUME	482308.257	3733840.196	433.000
LOCATION VOL71	VOLUME	482092.192	3733766.312	433.000
LOCATION VOL72	VOLUME	482163.593	3733768.175	433.000
LOCATION VOL73	VOLUME	482234.373	3733768.175	433.000
LOCATION VOL74	VOLUME	482307.636	3733768.175	433.000
LOCATION VOL75	VOLUME	482303.910	3733731.543	433.000
LOCATION VOL76	VOLUME	482233.752	3733729.680	433.000
LOCATION VOL77	VOLUME	482094.055	3733734.647	433.000
LOCATION VOL78	VOLUME	482164.835	3733732.164	433.000

** Source Parameters **

SRCPARAM VOL1	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL2	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL3	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL4	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL5	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL6	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL7	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL8	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL9	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL10	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL11	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL12	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL13	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL14	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL15	0.0139542653	5.000	16.605	1.400
SRCPARAM VOL16	0.0139542653	5.000	16.605	1.400

```

URBANSRC  ALL
SRCGROUP  ALL

```

SO
* *

```
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15360 Ops CO.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
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "15360 Ops CO.AD\01H1GALL.PLT" 31
  PLOTFILE 8 ALL 1ST "15360 Ops CO.AD\08H1GALL.PLT" 32
  SUMMFILE "15360 Ops CO.sum"
OU FINISHED
```

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          2 Warning Message(s)
A Total of          0 Informational Message(s)
```

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

```
***** WARNING MESSAGES *****
ME W186      219      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      219      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 ***
***
```

*** 14:52:19

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 78 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 Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 78 Source(s); 1 Source Group(s); and 72 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 78 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File:

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

**Detailed Error/Message File: 15360 Ops
CO.err
**File for Summary of Results: 15360 Ops
CO.sum

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 14:52:19

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

*** VOLUME SOURCE DATA ***

SOURCE		NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE		URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
SOURCE		SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
ID		CATS.	BY						
(METERS)									
VOL1	0	0.13954E-01	481958.7	3733736.3	433.0	5.00	16.61	1.40	
YES		NO							
VOL2	0	0.13954E-01	482022.3	3733736.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL3	0	0.13954E-01	481958.4	3733808.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL4	0	0.13954E-01	482022.3	3733808.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL5	0	0.13954E-01	481957.7	3733879.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL6	0	0.13954E-01	482022.9	3733879.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL7	0	0.13954E-01	481957.7	3733951.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL8	0	0.13954E-01	482021.1	3733950.8	433.0	5.00	16.61	1.40	
YES		NO							
VOL9	0	0.13954E-01	481957.1	3734022.8	432.1	5.00	16.61	1.40	
YES		NO							
VOL10	0	0.13954E-01	482020.5	3734022.2	433.0	5.00	16.61	1.40	
YES		NO							
VOL11	0	0.13954E-01	481932.3	3734094.2	432.0	5.00	16.61	1.40	
YES		NO							
VOL12	0	0.13954E-01	482003.7	3734093.6	432.0	5.00	16.61	1.40	
YES		NO							
VOL13	0	0.13954E-01	482055.8	3734080.6	433.0	5.00	16.61	1.40	
YES		NO							
VOL14	0	0.13954E-01	482056.5	3734152.6	432.2	5.00	16.61	1.40	
YES		NO							
VOL15	0	0.13954E-01	481984.4	3734164.4	432.0	5.00	16.61	1.40	
YES		NO							
VOL16	0	0.13954E-01	481915.5	3734131.5	432.0	5.00	16.61	1.40	
YES		NO							
VOL17	0	0.13954E-01	482055.2	3734223.4	432.0	5.00	16.61	1.40	
YES		NO							
VOL18	0	0.13954E-01	482011.8	3734235.2	432.0	5.00	16.61	1.40	
YES		NO							
VOL19	0	0.13954E-01	482011.8	3734306.6	432.0	5.00	16.61	1.40	
YES		NO							

VOL20	0	0.13954E-01	482011.1	3734378.0	432.0	5.00	16.61	1.40
YES		NO						
VOL21	0	0.13954E-01	482010.5	3734448.7	431.0	5.00	16.61	1.40
YES		NO						
VOL22	0	0.13954E-01	482082.5	3734269.9	432.1	5.00	16.61	1.40
YES		NO						
VOL23	0	0.13954E-01	482082.5	3734325.8	432.0	5.00	16.61	1.40
YES		NO						
VOL24	0	0.13954E-01	482083.2	3734386.6	432.0	5.00	16.61	1.40
YES		NO						
VOL25	0	0.13954E-01	482083.8	3734446.9	431.0	5.00	16.61	1.40
YES		NO						
VOL26	0	0.13954E-01	482153.9	3734269.3	433.0	5.00	16.61	1.40
YES		NO						
VOL27	0	0.13954E-01	482225.3	3734268.7	433.0	5.00	16.61	1.40
YES		NO						
VOL28	0	0.13954E-01	482296.7	3734268.7	433.0	5.00	16.61	1.40
YES		NO						
VOL29	0	0.13954E-01	482368.1	3734268.1	433.0	5.00	16.61	1.40
YES		NO						
VOL30	0	0.13954E-01	482153.9	3734325.8	432.5	5.00	16.61	1.40
YES		NO						
VOL31	0	0.13954E-01	482153.9	3734386.0	432.0	5.00	16.61	1.40
YES		NO						
VOL32	0	0.13954E-01	482153.9	3734445.0	431.0	5.00	16.61	1.40
YES		NO						
VOL33	0	0.13954E-01	482225.3	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL34	0	0.13954E-01	482225.3	3734386.0	432.8	5.00	16.61	1.40
YES		NO						
VOL35	0	0.13954E-01	482225.3	3734443.8	431.9	5.00	16.61	1.40
YES		NO						
VOL36	0	0.13954E-01	482296.7	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL37	0	0.13954E-01	482296.1	3734384.8	433.0	5.00	16.61	1.40
YES		NO						
VOL38	0	0.13954E-01	482296.1	3734443.8	433.0	5.00	16.61	1.40
YES		NO						
VOL39	0	0.13954E-01	482367.5	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL40	0	0.13954E-01	482367.5	3734441.9	433.0	5.00	16.61	1.40
YES		NO						

```

*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***      03/13/24
*** AERMET - VERSION 16216 ***
***
***
14:52:19

```

PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)									
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)									
(METERS)		BY																

VOL43	0	0.13954E-01	482197.1	3734197.2	433.0	5.00	16.61	1.40
YES		NO						
VOL44	0	0.13954E-01	482267.9	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL45	0	0.13954E-01	482339.3	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL46	0	0.13954E-01	482367.9	3734196.0	433.0	5.00	16.61	1.40
YES		NO						
VOL47	0	0.13954E-01	482127.6	3734125.8	433.0	5.00	16.61	1.40
YES		NO						
VOL48	0	0.13954E-01	482198.4	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL49	0	0.13954E-01	482269.8	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL50	0	0.13954E-01	482339.9	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL51	0	0.13954E-01	482369.7	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL52	0	0.13954E-01	482092.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL53	0	0.13954E-01	482164.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL54	0	0.13954E-01	482235.6	3734051.9	433.0	5.00	16.61	1.40
YES		NO						
VOL55	0	0.13954E-01	482307.6	3734052.5	433.0	5.00	16.61	1.40
YES		NO						
VOL56	0	0.13954E-01	482372.2	3734053.2	433.0	5.00	16.61	1.40
YES		NO						
VOL57	0	0.13954E-01	482092.2	3733981.8	433.0	5.00	16.61	1.40
YES		NO						
VOL58	0	0.13954E-01	482163.6	3733983.0	433.0	5.00	16.61	1.40
YES		NO						
VOL59	0	0.13954E-01	482235.6	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL60	0	0.13954E-01	482307.6	3733981.1	433.0	5.00	16.61	1.40
YES		NO						
VOL61	0	0.13954E-01	482366.0	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL62	0	0.13954E-01	482092.8	3733909.7	433.0	5.00	16.61	1.40
YES		NO						
VOL63	0	0.13954E-01	482163.6	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL64	0	0.13954E-01	482235.0	3733911.0	433.0	5.00	16.61	1.40
YES		NO						
VOL65	0	0.13954E-01	482306.4	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL66	0	0.13954E-01	482357.3	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL67	0	0.13954E-01	482092.8	3733838.3	433.0	5.00	16.61	1.40
YES		NO						
VOL68	0	0.13954E-01	482164.8	3733839.0	433.0	5.00	16.61	1.40
YES		NO						
VOL69	0	0.13954E-01	482236.2	3733839.6	433.0	5.00	16.61	1.40
YES		NO						
VOL70	0	0.13954E-01	482308.3	3733840.2	433.0	5.00	16.61	1.40
YES		NO						
VOL71	0	0.13954E-01	482092.2	3733766.3	433.0	5.00	16.61	1.40
YES		NO						
VOL72	0	0.13954E-01	482163.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL73	0	0.13954E-01	482234.4	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL74	0	0.13954E-01	482307.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL75	0	0.13954E-01	482303.9	3733731.5	433.0	5.00	16.61	1.40
YES		NO						

```
VOL76      0  0.13954E-01  482233.8  3733729.7  433.0    5.00    16.61    1.40
YES
VOL77      0  0.13954E-01  482094.1  3733734.6  433.0    5.00    16.61    1.40
YES
VOL78      0  0.13954E-01  482164.8  3733732.2  433.0    5.00    16.61    1.40
YES
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
***                                     *** 14:52:19
```

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PAGE 4
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```
SRCGROUP ID          SOURCE IDs
-----
ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
VOL71 , VOL72 ,
VOL73 , VOL74 , VOL75 , VOL76 , VOL77 , VOL78 ,
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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
***                                     *** 14:52:19
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PAGE 5
*** MODELOPTs:  RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
```

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

```
URBAN ID          URBAN POP          SOURCE IDs
-----
2189641. VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,
```


VOL9 VOL15	, VOL10 , VOL16	, VOL11 ,	, VOL12	, VOL13	, VOL14	,
VOL17 VOL23	, VOL18 , VOL24	, VOL19 ,	, VOL20	, VOL21	, VOL22	,
VOL25 VOL31	, VOL26 , VOL32	, VOL27 ,	, VOL28	, VOL29	, VOL30	,
VOL33 VOL39	, VOL34 , VOL40	, VOL35 ,	, VOL36	, VOL37	, VOL38	,
VOL41 VOL47	, VOL42 , VOL48	, VOL43 ,	, VOL44	, VOL45	, VOL46	,
VOL49 VOL55	, VOL50 , VOL56	, VOL51 ,	, VOL52	, VOL53	, VOL54	,
VOL57 VOL63	, VOL58 , VOL64	, VOL59 ,	, VOL60	, VOL61	, VOL62	,
VOL65 VOL71	, VOL66 , VOL72	, VOL67 ,	, VOL68	, VOL69	, VOL70	,
VOL73	, VOL74	, VOL75	, VOL76	, VOL77	, VOL78	

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*** AERMOD - VERSION 23132 ***      C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley  
SP\15360 Ops ***                    03/13/24  
*** AERMET - VERSION 16216 ***  
***                                *** 14:52:19
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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*
```

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0,	432.0,	2.0);		
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0,	432.0,	2.0);		
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0,	432.0,	2.0);		
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0,	432.0,	2.0);		
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0,	432.0,	2.0);		
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0,	431.0,	2.0);		
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0,	431.0,	2.0);		
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0,	431.0,	2.0);		
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4,	433.4,	2.0);		
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0,	435.0,	2.0);		
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0,	435.0,	2.0);		
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0,	435.0,	2.0);		
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0,	435.0,	2.0);		
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,

```
*** AERMOD - VERSION 23132 ***      C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley  
SP\15360 Ops ***                    03/13/24  
*** AERMET - VERSION 16216 ***  
***                                *** 14:52:19
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[illegible]

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** 14:52:19

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	0.10	0.61	0.26	0.40

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	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00	-99.00

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

FF

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SP\15360 Ops

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):

VOL1

, VOL2

,

VOL3

, VOL4

, VOL5

, VOL6

, VOL7

, VOL8

, VOL9

, VOL10

, VOL11

, VOL12

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, VOL26

, VOL27

, VOL28

, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO

IN

**

MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
481962.48	3734240.57	65.46415	(16010616)	481962.48	

3734264.69	62.60340	(16010616)	
481962.24	3734282.25	61.81384	(16010616) 481961.77
3734299.81	61.54539	(16010616)	
481961.54	3734312.23	60.48264	(16010616) 481961.30
3734351.10	57.27652	(16010616)	
481961.07	3734369.13	57.44861	(16010616) 481961.54
3734382.01	56.94551	(16010616)	
481961.07	3734399.10	53.94761	(16010616) 481953.11
3734437.51	45.40206	(16010616)	
481952.17	3734452.96	45.29983	(14090218) 481959.43
3734466.07	51.08779	(14090218)	
482097.06	3734535.79	34.99202	(14113016) 482139.21
3734533.86	36.54616	(14113016)	
482279.72	3734539.09	39.70524	(14041207) 482216.90
3734550.67	34.35256	(14113016)	
482528.77	3734258.97	25.71159	(14041207) 482528.77
3734102.85	27.13996	(11091107)	
482904.55	3734166.22	6.95530	(15101507) 482915.25
3734146.77	6.88240	(11062522)	
482903.58	3734117.28	7.04029	(11062522) 482904.88
3734060.56	7.02313	(11062522)	
482905.20	3734042.08	6.99619	(11062522) 482905.20
3734025.88	6.96613	(11062522)	
482919.14	3734006.43	6.78528	(11062522) 482836.60
3733631.78	8.78090	(16050618)	
483237.52	3733952.14	5.48763	(15100118) 483302.44
3733879.31	5.05421	(15100118)	
483300.33	3733712.52	4.80568	(14100418) 483082.88
3733655.52	5.52107	(11091107)	
482319.69	3733551.02	18.80014	(14090307) 481675.81
3733533.54	14.90599	(11010316)	
481360.99	3733617.99	8.16259	(11010316) 481272.81
3733583.21	6.76290	(11010316)	
480862.98	3733796.20	3.68173	(10110218) 480863.61
3734055.76	3.66049	(11051403)	
480848.70	3733622.95	3.53995	(14100722) 481879.20
3733714.04	35.19424	(11010316)	
481880.58	3733725.06	35.00394	(11010316) 481880.02
3733747.10	35.60589	(11010316)	
481880.30	3733755.92	36.29026	(11010316) 481882.23
3733776.03	37.80831	(16010616)	
481883.61	3733791.74	39.95076	(16010616) 481883.33
3733832.24	42.10690	(16010616)	
481880.02	3733878.25	42.17792	(16010616) 481883.06
3733920.14	44.08408	(16010616)	
481884.16	3733929.78	44.75164	(16010616) 481883.61
3733943.83	44.79189	(16010616)	
481885.53	3733965.60	46.00202	(16010616) 481884.71
3733982.41	46.22751	(16010616)	
481880.30	3734005.55	45.29409	(16010616) 481876.17
3734022.08	44.40098	(16010616)	
481868.18	3734046.05	44.25828	(16010616) 481861.84
3734062.04	45.12004	(16010616)	
481851.09	3734082.15	45.56425	(16010616) 481843.38
3734096.48	44.86486	(16010616)	
481828.50	3734117.42	40.03196	(16010616) 481817.20
3734130.09	35.86336	(16010616)	
481805.63	3734143.32	32.00849	(16010616) 481792.96
3734157.92	28.41737	(16010616)	
481859.08	3734160.95	51.19117	(14090218) 481872.86
3734171.15	53.97198	(14090218)	
481891.05	3734184.65	47.78134	(14090218) 481905.65
3734195.12	45.39343	(16010616)	
481915.02	3734203.11	47.03986	(16010616) 481930.17
3734213.30	50.71820	(16010616)	
481946.43	3734225.70	55.55066	(16010616) 482630.92

3734448.65 15.83534 (14041207)
482625.46 3734541.27 16.46119 (14041207) 483299.43
3734396.77 8.46001 (15090619)
483313.72 3734511.32 8.22196 (15090619) 482533.74
3734524.68 24.71309 (14041207)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
481962.48	3734240.57	46.23248m	(10060508)	481962.48	
3734264.69	43.62348m	(10060508)			
481962.24	3734282.25	42.40554m	(10060508)	481961.77	
3734299.81	41.52744m	(10060508)			
481961.54	3734312.23	40.70133m	(10060508)	481961.30	
3734351.10	37.90537m	(10060508)			
481961.07	3734369.13	37.15064m	(10060508)	481961.54	
3734382.01	36.58310m	(10060508)			
481961.07	3734399.10	34.79514m	(10060508)	481953.11	
3734437.51	29.00272m	(10060508)			
481952.17	3734452.96	27.19670m	(10060508)	481959.43	
3734466.07	27.48127m	(10060508)			
482097.06	3734535.79	24.65371m	(10060508)	482139.21	
3734533.86	25.81078m	(10060508)			
482279.72	3734539.09	23.84097m	(10060508)	482216.90	
3734550.67	22.93078m	(10060508)			
482528.77	3734258.97	19.19789m	(10060508)	482528.77	
3734102.85	19.93522m	(10060508)			
482904.55	3734166.22	5.91014m	(10060508)	482915.25	
3734146.77	5.78191m	(10060508)			
482903.58	3734117.28	5.94401m	(10060508)	482904.88	
3734060.56	5.90773m	(10060508)			
482905.20	3734042.08	5.88759m	(10060508)	482905.20	
3734025.88	5.86981m	(10060508)			
482919.14	3734006.43	5.66703m	(10060508)	482836.60	
3733631.78	5.25406	(15111724)			
483237.52	3733952.14	3.36170	(15111724)	483302.44	
3733879.31	3.11251	(15111724)			
483300.33	3733712.52	3.08102	(15111724)	483082.88	
3733655.52	3.76999	(15111724)			
482319.69	3733551.02	13.56306	(15012508)	481675.81	
3733533.54	6.75976m	(10060508)			
481360.99	3733617.99	4.19173m	(10060508)	481272.81	

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FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                        03/13/24
*** AERMET - VERSION 16216 ***
***                                     *** 14:52:19

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***  MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*
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** CONC OF CO          IN
MICROGRAMS/M**3          **

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

ALL HIGH 1ST HIGH VALUE IS 65.46415 ON 16010616: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

```
*** RECEPTOR TYPES:  GC = GRIDCART
```

GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

DATE

NETWORK

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

ALL HIGH 1ST HIGH VALUE IS 46.23248m ON 10060508: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 14:52:19

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****

ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 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 ***  
*****
```

```

** 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 NOX\15360 Ops
NOX.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 1
  URBANOPT 2189641 Riverside_County
  POLLUTID NOX
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Ops NOX.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

```

LOCATION VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION VOL42	VOLUME	482126.961	3734197.819	433.000
LOCATION VOL43	VOLUME	482197.120	3734197.199	433.000
LOCATION VOL44	VOLUME	482267.900	3734196.578	433.000
LOCATION VOL45	VOLUME	482339.300	3734196.578	433.000
LOCATION VOL46	VOLUME	482367.860	3734195.957	433.000
LOCATION VOL47	VOLUME	482127.582	3734125.798	433.000
LOCATION VOL48	VOLUME	482198.362	3734124.556	433.000
LOCATION VOL49	VOLUME	482269.762	3734124.556	433.000
LOCATION VOL50	VOLUME	482339.921	3734124.556	433.000
LOCATION VOL51	VOLUME	482369.723	3734124.556	433.000
LOCATION VOL52	VOLUME	482092.192	3734053.777	433.000
LOCATION VOL53	VOLUME	482164.214	3734053.777	433.000
LOCATION VOL54	VOLUME	482235.614	3734051.914	433.000
LOCATION VOL55	VOLUME	482307.636	3734052.535	433.000
LOCATION VOL56	VOLUME	482372.207	3734053.156	433.000
LOCATION VOL57	VOLUME	482092.192	3733981.755	433.000
LOCATION VOL58	VOLUME	482163.593	3733982.997	433.000
LOCATION VOL59	VOLUME	482235.614	3733982.376	433.000
LOCATION VOL60	VOLUME	482307.636	3733981.134	433.000
LOCATION VOL61	VOLUME	482365.998	3733982.376	433.000
LOCATION VOL62	VOLUME	482092.813	3733909.734	433.000
LOCATION VOL63	VOLUME	482163.593	3733911.597	433.000
LOCATION VOL64	VOLUME	482234.993	3733910.976	433.000
LOCATION VOL65	VOLUME	482306.394	3733911.597	433.000
LOCATION VOL66	VOLUME	482357.306	3733911.597	433.000
LOCATION VOL67	VOLUME	482092.813	3733838.333	433.000
LOCATION VOL68	VOLUME	482164.835	3733838.954	433.000
LOCATION VOL69	VOLUME	482236.235	3733839.575	433.000
LOCATION VOL70	VOLUME	482308.257	3733840.196	433.000
LOCATION VOL71	VOLUME	482092.192	3733766.312	433.000
LOCATION VOL72	VOLUME	482163.593	3733768.175	433.000
LOCATION VOL73	VOLUME	482234.373	3733768.175	433.000
LOCATION VOL74	VOLUME	482307.636	3733768.175	433.000
LOCATION VOL75	VOLUME	482303.910	3733731.543	433.000
LOCATION VOL76	VOLUME	482233.752	3733729.680	433.000
LOCATION VOL77	VOLUME	482094.055	3733734.647	433.000
LOCATION VOL78	VOLUME	482164.835	3733732.164	433.000

** Source Parameters **

SRCPARAM VOL1	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL2	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL3	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL4	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL5	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL6	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL7	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL8	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL9	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL10	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL11	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL12	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL13	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL14	0.0020411657	5.000	16.605	1.400
SRCPARAM VOL15	0.0020411657	5.000	16.605	1.400


```

**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15360 Ops NOX.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
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "15360 OPS NOX.AD\01H1GALL.PLT" 31
  SUMMFILE "15360 Ops NOX.sum"
OU FINISHED

```

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```

A Total of          0 Fatal Error Message(s)
A Total of          2 Warning Message(s)
A Total of          0 Informational Message(s)

```

```

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

```

***** WARNING MESSAGES *****

```

ME W186      219      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      219      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

```

```

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

```

```

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

```

*** 14:56:17

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 78 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 Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 78 Source(s); 1 Source Group(s); and 72 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 78 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:
aermod.out

**Detailed Error/Message File: 15360 Ops

NOX.err

**File for Summary of Results: 15360 Ops

NOX.sum

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24

*** AERMET - VERSION 16216 ***

*** 14:56:17

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE SOURCE ID (METERS)	NUMBER URBAN PART. SCALAR VARY CATS. (METERS)	EMISSION EMISSION RATE (GRAMS/SEC) BY	RATE AIRCRAFT X Y (METERS) (METERS)		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL1	0	0.20412E-02	481958.7	3733736.3	433.0	5.00	16.61	1.40
YES		NO						
VOL2	0	0.20412E-02	482022.3	3733736.0	433.0	5.00	16.61	1.40
YES		NO						
VOL3	0	0.20412E-02	481958.4	3733808.0	433.0	5.00	16.61	1.40
YES		NO						
VOL4	0	0.20412E-02	482022.3	3733808.0	433.0	5.00	16.61	1.40
YES		NO						
VOL5	0	0.20412E-02	481957.7	3733879.4	433.0	5.00	16.61	1.40
YES		NO						
VOL6	0	0.20412E-02	482022.9	3733879.4	433.0	5.00	16.61	1.40
YES		NO						
VOL7	0	0.20412E-02	481957.7	3733951.4	433.0	5.00	16.61	1.40
YES		NO						
VOL8	0	0.20412E-02	482021.1	3733950.8	433.0	5.00	16.61	1.40
YES		NO						
VOL9	0	0.20412E-02	481957.1	3734022.8	432.1	5.00	16.61	1.40
YES		NO						
VOL10	0	0.20412E-02	482020.5	3734022.2	433.0	5.00	16.61	1.40
YES		NO						
VOL11	0	0.20412E-02	481932.3	3734094.2	432.0	5.00	16.61	1.40
YES		NO						
VOL12	0	0.20412E-02	482003.7	3734093.6	432.0	5.00	16.61	1.40
YES		NO						
VOL13	0	0.20412E-02	482055.8	3734080.6	433.0	5.00	16.61	1.40
YES		NO						
VOL14	0	0.20412E-02	482056.5	3734152.6	432.2	5.00	16.61	1.40
YES		NO						
VOL15	0	0.20412E-02	481984.4	3734164.4	432.0	5.00	16.61	1.40
YES		NO						
VOL16	0	0.20412E-02	481915.5	3734131.5	432.0	5.00	16.61	1.40
YES		NO						
VOL17	0	0.20412E-02	482055.2	3734223.4	432.0	5.00	16.61	1.40
YES		NO						
VOL18	0	0.20412E-02	482011.8	3734235.2	432.0	5.00	16.61	1.40
YES		NO						
VOL19	0	0.20412E-02	482011.8	3734306.6	432.0	5.00	16.61	1.40
YES		NO						
VOL20	0	0.20412E-02	482011.1	3734378.0	432.0	5.00	16.61	1.40

```

FF *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                      03/13/24
*** AERMET - VERSION 16216 ***
***                                     *** 14:56:17

```

```
***  MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ  U*
```

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

VOL41	0	0.20412E-02	482366.9	3734384.8	433.0	5.00	16.61	1.40
YES		NO						
VOL42	0	0.20412E-02	482127.0	3734197.8	433.0	5.00	16.61	1.40
YES		NO						
VOL43	0	0.20412E-02	482197.1	3734197.2	433.0	5.00	16.61	1.40

YES		NO						
VOL44	0	0.20412E-02	482267.9	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL45	0	0.20412E-02	482339.3	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL46	0	0.20412E-02	482367.9	3734196.0	433.0	5.00	16.61	1.40
YES		NO						
VOL47	0	0.20412E-02	482127.6	3734125.8	433.0	5.00	16.61	1.40
YES		NO						
VOL48	0	0.20412E-02	482198.4	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL49	0	0.20412E-02	482269.8	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL50	0	0.20412E-02	482339.9	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL51	0	0.20412E-02	482369.7	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL52	0	0.20412E-02	482092.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL53	0	0.20412E-02	482164.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL54	0	0.20412E-02	482235.6	3734051.9	433.0	5.00	16.61	1.40
YES		NO						
VOL55	0	0.20412E-02	482307.6	3734052.5	433.0	5.00	16.61	1.40
YES		NO						
VOL56	0	0.20412E-02	482372.2	3734053.2	433.0	5.00	16.61	1.40
YES		NO						
VOL57	0	0.20412E-02	482092.2	3733981.8	433.0	5.00	16.61	1.40
YES		NO						
VOL58	0	0.20412E-02	482163.6	3733983.0	433.0	5.00	16.61	1.40
YES		NO						
VOL59	0	0.20412E-02	482235.6	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL60	0	0.20412E-02	482307.6	3733981.1	433.0	5.00	16.61	1.40
YES		NO						
VOL61	0	0.20412E-02	482366.0	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL62	0	0.20412E-02	482092.8	3733909.7	433.0	5.00	16.61	1.40
YES		NO						
VOL63	0	0.20412E-02	482163.6	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL64	0	0.20412E-02	482235.0	3733911.0	433.0	5.00	16.61	1.40
YES		NO						
VOL65	0	0.20412E-02	482306.4	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL66	0	0.20412E-02	482357.3	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL67	0	0.20412E-02	482092.8	3733838.3	433.0	5.00	16.61	1.40
YES		NO						
VOL68	0	0.20412E-02	482164.8	3733839.0	433.0	5.00	16.61	1.40
YES		NO						
VOL69	0	0.20412E-02	482236.2	3733839.6	433.0	5.00	16.61	1.40
YES		NO						
VOL70	0	0.20412E-02	482308.3	3733840.2	433.0	5.00	16.61	1.40
YES		NO						
VOL71	0	0.20412E-02	482092.2	3733766.3	433.0	5.00	16.61	1.40
YES		NO						
VOL72	0	0.20412E-02	482163.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL73	0	0.20412E-02	482234.4	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL74	0	0.20412E-02	482307.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL75	0	0.20412E-02	482303.9	3733731.5	433.0	5.00	16.61	1.40
YES		NO						
VOL76	0	0.20412E-02	482233.8	3733729.7	433.0	5.00	16.61	1.40

```
YES NO
VOL77 0 0.20412E-02 482094.1 3733734.6 433.0 5.00 16.61 1.40
YES NO
VOL78 0 0.20412E-02 482164.8 3733732.2 433.0 5.00 16.61 1.40
YES NO
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** *** 14:56:17
```

```
PAGE 4
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```
SRCGROUP ID SOURCE IDs
-----
ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
VOL71 , VOL72 ,
VOL73 , VOL74 , VOL75 , VOL76 , VOL77 , VOL78 ,
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** *** 14:56:17
```

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PAGE 5
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
```

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

```
URBAN ID URBAN POP SOURCE IDs
-----
2189641. VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,
VOL8 ,
```

VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
VOL15	,	VOL16	,								
VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
VOL23	,	VOL24	,								
VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
VOL31	,	VOL32	,								
VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
VOL39	,	VOL40	,								
VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
VOL47	,	VOL48	,								
VOL49	,	VOL50	,	VOL51	,	VOL52	,	VOL53	,	VOL54	,
VOL55	,	VOL56	,								
VOL57	,	VOL58	,	VOL59	,	VOL60	,	VOL61	,	VOL62	,
VOL63	,	VOL64	,								
VOL65	,	VOL66	,	VOL67	,	VOL68	,	VOL69	,	VOL70	,
VOL71	,	VOL72	,								

VOL73	,	VOL74	,	VOL75	,	VOL76	,	VOL77	,	VOL78	,

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
***
*** 14:56:17

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0, 432.0,	2.0);			
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0, 432.0,	2.0);			
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0, 432.0,	2.0);			
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0, 432.0,	2.0);			
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0, 432.0,	2.0);			
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0, 431.0,	2.0);			
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0, 431.0,	2.0);			
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0, 431.0,	2.0);			
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4, 433.4,	2.0);			
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0, 435.0,	2.0);			
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0, 435.0,	2.0);			
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0, 435.0,	2.0);			
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0, 435.0,	2.0);			
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,
436.0, 436.0,	2.0);			

```

PP *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops ***                        03/13/24
*** AERMET - VERSION 16216 ***
***                                     *** 14:56:17

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

[illegible]

[illegible]

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)

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
481962.48	3734240.57	9.57579	(16010616)	481962.48	
3734264.69	9.15734	(16010616)			

481962.24	3734282.25	9.04184	(16010616)	481961.77
3734299.81	9.00258	(16010616)		
481961.54	3734312.23	8.84712	(16010616)	481961.30
3734351.10	8.37815	(16010616)		
481961.07	3734369.13	8.40332	(16010616)	481961.54
3734382.01	8.32973	(16010616)		
481961.07	3734399.10	7.89121	(16010616)	481953.11
3734437.51	6.64120	(16010616)		
481952.17	3734452.96	6.62625	(14090218)	481959.43
3734466.07	7.47289	(14090218)		
482097.06	3734535.79	5.11847	(14113016)	482139.21
3734533.86	5.34580	(14113016)		
482279.72	3734539.09	5.80790	(14041207)	482216.90
3734550.67	5.02493	(14113016)		
482528.77	3734258.97	3.76097	(14041207)	482528.77
3734102.85	3.96991	(11091107)		
482904.55	3734166.22	1.01739	(15101507)	482915.25
3734146.77	1.00673	(11062522)		
482903.58	3734117.28	1.02982	(11062522)	482904.88
3734060.56	1.02731	(11062522)		
482905.20	3734042.08	1.02337	(11062522)	482905.20
3734025.88	1.01897	(11062522)		
482919.14	3734006.43	0.99252	(11062522)	482836.60
3733631.78	1.28443	(16050618)		
483237.52	3733952.14	0.80270	(15100118)	483302.44
3733879.31	0.73931	(15100118)		
483300.33	3733712.52	0.70295	(14100418)	483082.88
3733655.52	0.80760	(11091107)		
482319.69	3733551.02	2.75000	(14090307)	481675.81
3733533.54	2.18038	(11010316)		
481360.99	3733617.99	1.19399	(11010316)	481272.81
3733583.21	0.98925	(11010316)		
480862.98	3733796.20	0.53855	(10110218)	480863.61
3734055.76	0.53544	(11051403)		
480848.70	3733622.95	0.51781	(14100722)	481879.20
3733714.04	5.14805	(11010316)		
481880.58	3733725.06	5.12022	(11010316)	481880.02
3733747.10	5.20827	(11010316)		
481880.30	3733755.92	5.30837	(11010316)	481882.23
3733776.03	5.53043	(16010616)		
481883.61	3733791.74	5.84381	(16010616)	481883.33
3733832.24	6.15920	(16010616)		
481880.02	3733878.25	6.16959	(16010616)	481883.06
3733920.14	6.44842	(16010616)		
481884.16	3733929.78	6.54606	(16010616)	481883.61
3733943.83	6.55195	(16010616)		
481885.53	3733965.60	6.72896	(16010616)	481884.71
3733982.41	6.76195	(16010616)		
481880.30	3734005.55	6.62541	(16010616)	481876.17
3734022.08	6.49477	(16010616)		
481868.18	3734046.05	6.47390	(16010616)	481861.84
3734062.04	6.59995	(16010616)		
481851.09	3734082.15	6.66493	(16010616)	481843.38
3734096.48	6.56263	(16010616)		
481828.50	3734117.42	5.85569	(16010616)	481817.20
3734130.09	5.24593	(16010616)		
481805.63	3734143.32	4.68206	(16010616)	481792.96
3734157.92	4.15676	(16010616)		
481859.08	3734160.95	7.48801	(14090218)	481872.86
3734171.15	7.89477	(14090218)		
481891.05	3734184.65	6.98924	(14090218)	481905.65
3734195.12	6.63994	(16010616)		
481915.02	3734203.11	6.88077	(16010616)	481930.17
3734213.30	7.41882	(16010616)		
481946.43	3734225.70	8.12569	(16010616)	482630.92
3734448.65	2.31632	(14041207)		

482625.46 3734541.27 2.40787 (14041207) 483299.43
3734396.77 1.23749 (15090619)
483313.72 3734511.32 1.20267 (15090619) 482533.74
3734524.68 3.61492 (14041207)

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 14:56:17

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

DATE

NETWORK

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

ALL HIGH 1ST HIGH VALUE IS 9.57579 ON 16010616: AT (481962.48, 3734240.57,
432.00, 432.00, 2.00) DC

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 14:56:17

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****

ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 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 ***  
*****
```

```

** 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 PM10\15360 Ops
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 24
  URBANOPT 2189641 Riverside_County
  POLLUTID PM_10
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Ops PM10.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

```

LOCATION VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION VOL42	VOLUME	482126.961	3734197.819	433.000
LOCATION VOL43	VOLUME	482197.120	3734197.199	433.000
LOCATION VOL44	VOLUME	482267.900	3734196.578	433.000
LOCATION VOL45	VOLUME	482339.300	3734196.578	433.000
LOCATION VOL46	VOLUME	482367.860	3734195.957	433.000
LOCATION VOL47	VOLUME	482127.582	3734125.798	433.000
LOCATION VOL48	VOLUME	482198.362	3734124.556	433.000
LOCATION VOL49	VOLUME	482269.762	3734124.556	433.000
LOCATION VOL50	VOLUME	482339.921	3734124.556	433.000
LOCATION VOL51	VOLUME	482369.723	3734124.556	433.000
LOCATION VOL52	VOLUME	482092.192	3734053.777	433.000
LOCATION VOL53	VOLUME	482164.214	3734053.777	433.000
LOCATION VOL54	VOLUME	482235.614	3734051.914	433.000
LOCATION VOL55	VOLUME	482307.636	3734052.535	433.000
LOCATION VOL56	VOLUME	482372.207	3734053.156	433.000
LOCATION VOL57	VOLUME	482092.192	3733981.755	433.000
LOCATION VOL58	VOLUME	482163.593	3733982.997	433.000
LOCATION VOL59	VOLUME	482235.614	3733982.376	433.000
LOCATION VOL60	VOLUME	482307.636	3733981.134	433.000
LOCATION VOL61	VOLUME	482365.998	3733982.376	433.000
LOCATION VOL62	VOLUME	482092.813	3733909.734	433.000
LOCATION VOL63	VOLUME	482163.593	3733911.597	433.000
LOCATION VOL64	VOLUME	482234.993	3733910.976	433.000
LOCATION VOL65	VOLUME	482306.394	3733911.597	433.000
LOCATION VOL66	VOLUME	482357.306	3733911.597	433.000
LOCATION VOL67	VOLUME	482092.813	3733838.333	433.000
LOCATION VOL68	VOLUME	482164.835	3733838.954	433.000
LOCATION VOL69	VOLUME	482236.235	3733839.575	433.000
LOCATION VOL70	VOLUME	482308.257	3733840.196	433.000
LOCATION VOL71	VOLUME	482092.192	3733766.312	433.000
LOCATION VOL72	VOLUME	482163.593	3733768.175	433.000
LOCATION VOL73	VOLUME	482234.373	3733768.175	433.000
LOCATION VOL74	VOLUME	482307.636	3733768.175	433.000
LOCATION VOL75	VOLUME	482303.910	3733731.543	433.000
LOCATION VOL76	VOLUME	482233.752	3733729.680	433.000
LOCATION VOL77	VOLUME	482094.055	3733734.647	433.000
LOCATION VOL78	VOLUME	482164.835	3733732.164	433.000

** Source Parameters **

SRCPARAM VOL1	0.000772367	5.000	16.605	1.400
SRCPARAM VOL2	0.000772367	5.000	16.605	1.400
SRCPARAM VOL3	0.000772367	5.000	16.605	1.400
SRCPARAM VOL4	0.000772367	5.000	16.605	1.400
SRCPARAM VOL5	0.000772367	5.000	16.605	1.400
SRCPARAM VOL6	0.000772367	5.000	16.605	1.400
SRCPARAM VOL7	0.000772367	5.000	16.605	1.400
SRCPARAM VOL8	0.000772367	5.000	16.605	1.400
SRCPARAM VOL9	0.000772367	5.000	16.605	1.400
SRCPARAM VOL10	0.000772367	5.000	16.605	1.400
SRCPARAM VOL11	0.000772367	5.000	16.605	1.400
SRCPARAM VOL12	0.000772367	5.000	16.605	1.400
SRCPARAM VOL13	0.000772367	5.000	16.605	1.400
SRCPARAM VOL14	0.000772367	5.000	16.605	1.400
SRCPARAM VOL15	0.000772367	5.000	16.605	1.400

```

      URBANSRC  ALL
      SRCGROUP  ALL
SO  FINISHED

```

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "15360 Ops PM10.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15360 OPS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "15360 Ops PM10.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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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 78 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 Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 78 Source(s); 1 Source Group(s); and 72 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 78 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:
aermod.out

**Detailed Error/Message File: 15360 Ops

PM10.err

**File for Summary of Results: 15360 Ops

PM10.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE SOURCE ID (METERS)	NUMBER URBAN PART. SCALAR VARY CATS.	EMISSION RATE EMISSION RATE (GRAMS/SEC) BY	AIRCRAFT X Y (METERS) (METERS)		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL1	0	0.77237E-03	481958.7	3733736.3	433.0	5.00	16.61	1.40
YES		NO						
VOL2	0	0.77237E-03	482022.3	3733736.0	433.0	5.00	16.61	1.40
YES		NO						
VOL3	0	0.77237E-03	481958.4	3733808.0	433.0	5.00	16.61	1.40
YES		NO						
VOL4	0	0.77237E-03	482022.3	3733808.0	433.0	5.00	16.61	1.40
YES		NO						
VOL5	0	0.77237E-03	481957.7	3733879.4	433.0	5.00	16.61	1.40
YES		NO						
VOL6	0	0.77237E-03	482022.9	3733879.4	433.0	5.00	16.61	1.40
YES		NO						
VOL7	0	0.77237E-03	481957.7	3733951.4	433.0	5.00	16.61	1.40
YES		NO						
VOL8	0	0.77237E-03	482021.1	3733950.8	433.0	5.00	16.61	1.40
YES		NO						
VOL9	0	0.77237E-03	481957.1	3734022.8	432.1	5.00	16.61	1.40
YES		NO						
VOL10	0	0.77237E-03	482020.5	3734022.2	433.0	5.00	16.61	1.40
YES		NO						
VOL11	0	0.77237E-03	481932.3	3734094.2	432.0	5.00	16.61	1.40
YES		NO						
VOL12	0	0.77237E-03	482003.7	3734093.6	432.0	5.00	16.61	1.40
YES		NO						
VOL13	0	0.77237E-03	482055.8	3734080.6	433.0	5.00	16.61	1.40
YES		NO						
VOL14	0	0.77237E-03	482056.5	3734152.6	432.2	5.00	16.61	1.40
YES		NO						
VOL15	0	0.77237E-03	481984.4	3734164.4	432.0	5.00	16.61	1.40
YES		NO						
VOL16	0	0.77237E-03	481915.5	3734131.5	432.0	5.00	16.61	1.40
YES		NO						
VOL17	0	0.77237E-03	482055.2	3734223.4	432.0	5.00	16.61	1.40
YES		NO						
VOL18	0	0.77237E-03	482011.8	3734235.2	432.0	5.00	16.61	1.40
YES		NO						
VOL19	0	0.77237E-03	482011.8	3734306.6	432.0	5.00	16.61	1.40
YES		NO						
VOL20	0	0.77237E-03	482011.1	3734378.0	432.0	5.00	16.61	1.40

```

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```
*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

VOL41	0	0.77237E-03	482366.9	3734384.8	433.0	5.00	16.61	1.40
YES		NO						
VOL42	0	0.77237E-03	482127.0	3734197.8	433.0	5.00	16.61	1.40
YES		NO						
VOL43	0	0.77237E-03	482197.1	3734197.2	433.0	5.00	16.61	1.40

YES		NO						
VOL44	0	0.77237E-03	482267.9	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL45	0	0.77237E-03	482339.3	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL46	0	0.77237E-03	482367.9	3734196.0	433.0	5.00	16.61	1.40
YES		NO						
VOL47	0	0.77237E-03	482127.6	3734125.8	433.0	5.00	16.61	1.40
YES		NO						
VOL48	0	0.77237E-03	482198.4	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL49	0	0.77237E-03	482269.8	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL50	0	0.77237E-03	482339.9	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL51	0	0.77237E-03	482369.7	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL52	0	0.77237E-03	482092.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL53	0	0.77237E-03	482164.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL54	0	0.77237E-03	482235.6	3734051.9	433.0	5.00	16.61	1.40
YES		NO						
VOL55	0	0.77237E-03	482307.6	3734052.5	433.0	5.00	16.61	1.40
YES		NO						
VOL56	0	0.77237E-03	482372.2	3734053.2	433.0	5.00	16.61	1.40
YES		NO						
VOL57	0	0.77237E-03	482092.2	3733981.8	433.0	5.00	16.61	1.40
YES		NO						
VOL58	0	0.77237E-03	482163.6	3733983.0	433.0	5.00	16.61	1.40
YES		NO						
VOL59	0	0.77237E-03	482235.6	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL60	0	0.77237E-03	482307.6	3733981.1	433.0	5.00	16.61	1.40
YES		NO						
VOL61	0	0.77237E-03	482366.0	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL62	0	0.77237E-03	482092.8	3733909.7	433.0	5.00	16.61	1.40
YES		NO						
VOL63	0	0.77237E-03	482163.6	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL64	0	0.77237E-03	482235.0	3733911.0	433.0	5.00	16.61	1.40
YES		NO						
VOL65	0	0.77237E-03	482306.4	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL66	0	0.77237E-03	482357.3	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL67	0	0.77237E-03	482092.8	3733838.3	433.0	5.00	16.61	1.40
YES		NO						
VOL68	0	0.77237E-03	482164.8	3733839.0	433.0	5.00	16.61	1.40
YES		NO						
VOL69	0	0.77237E-03	482236.2	3733839.6	433.0	5.00	16.61	1.40
YES		NO						
VOL70	0	0.77237E-03	482308.3	3733840.2	433.0	5.00	16.61	1.40
YES		NO						
VOL71	0	0.77237E-03	482092.2	3733766.3	433.0	5.00	16.61	1.40
YES		NO						
VOL72	0	0.77237E-03	482163.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL73	0	0.77237E-03	482234.4	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL74	0	0.77237E-03	482307.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL75	0	0.77237E-03	482303.9	3733731.5	433.0	5.00	16.61	1.40
YES		NO						
VOL76	0	0.77237E-03	482233.8	3733729.7	433.0	5.00	16.61	1.40

YES NO
VOL77 0 0.77237E-03 482094.1 3733734.6 433.0 5.00 16.61 1.40
YES NO
VOL78 0 0.77237E-03 482164.8 3733732.2 433.0 5.00 16.61 1.40
YES NO
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,	
	VOL15	, VOL16	,					
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,	
	VOL23	, VOL24	,					
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,	
	VOL31	, VOL32	,					
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,	
	VOL39	, VOL40	,					
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	,	
	VOL47	, VOL48	,					
	VOL49	, VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,	
	VOL55	, VOL56	,					
	VOL57	, VOL58	, VOL59	, VOL60	, VOL61	, VOL62	,	
	VOL63	, VOL64	,					
	VOL65	, VOL66	, VOL67	, VOL68	, VOL69	, VOL70	,	
	VOL71	, VOL72	,					
	VOL73	, VOL74	, VOL75	, VOL76	, VOL77	, VOL78	,	
*** AERMOD - VERSION 23132 ***	*** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley							
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs						
-----	-----	-----						
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,	
	VOL6	, VOL7	,					
VOL8	,							

VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
VOL15	,	VOL16	,								
VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
VOL23	,	VOL24	,								
VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
VOL31	,	VOL32	,								
VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
VOL39	,	VOL40	,								
VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
VOL47	,	VOL48	,								
VOL49	,	VOL50	,	VOL51	,	VOL52	,	VOL53	,	VOL54	,
VOL55	,	VOL56	,								
VOL57	,	VOL58	,	VOL59	,	VOL60	,	VOL61	,	VOL62	,
VOL63	,	VOL64	,								
VOL65	,	VOL66	,	VOL67	,	VOL68	,	VOL69	,	VOL70	,
VOL71	,	VOL72	,								

VOL73	,	VOL74	,	VOL75	,	VOL76	,	VOL77	,	VOL78	,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0,	432.0,	2.0);		
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0,	432.0,	2.0);		
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0,	432.0,	2.0);		
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0,	432.0,	2.0);		
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0,	432.0,	2.0);		
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0,	431.0,	2.0);		
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0,	431.0,	2.0);		
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0,	431.0,	2.0);		
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4,	433.4,	2.0);		
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0,	435.0,	2.0);		
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0,	435.0,	2.0);		
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0,	435.0,	2.0);		
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0,	435.0,	2.0);		
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,
436.0,	436.0,	2.0);		

```

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

[illegible]

[illegible]

10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70
310.		9.1		290.9	5.5										
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20
357.		9.1		293.1	5.5										
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20
356.		9.1		293.8	5.5										
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20
50.		9.1		294.2	5.5										
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80
53.		9.1		293.8	5.5										
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80
11.		9.1		292.5	5.5										
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90
351.		9.1		290.4	5.5										
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.		9.1		287.5	5.5										
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.		9.1		285.9	5.5										
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.		9.1		285.4	5.5										
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.		9.1		284.9	5.5										
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.		9.1		283.1	5.5										
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.		9.1		281.4	5.5										
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.		9.1		280.9	5.5										

First hour of profile data

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

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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	,		
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
481962.48	3734240.57	1.91995c	(14121524)	481962.48	
3734264.69	1.80654c	(14121524)			

481962.24	3734282.25	1.75666c	(14121524)	481961.77
3734299.81	1.72508c	(14121524)		
481961.54	3734312.23	1.69172c	(14121524)	481961.30
3734351.10	1.57397c	(14121524)		
481961.07	3734369.13	1.54855c	(14121524)	481961.54
3734382.01	1.52741c	(14121524)		
481961.07	3734399.10	1.45128c	(14121524)	481953.11
3734437.51	1.21053c	(14121524)		
481952.17	3734452.96	1.13685c	(14121524)	481959.43
3734466.07	1.15167c	(14121524)		
482097.06	3734535.79	1.02896	(11121924)	482139.21
3734533.86	1.06916	(11111924)		
482279.72	3734539.09	0.99665	(11111924)	482216.90
3734550.67	0.95926	(11111924)		
482528.77	3734258.97	0.75289c	(14121524)	482528.77
3734102.85	0.78450m	(16031424)		
482904.55	3734166.22	0.23223m	(16031424)	482915.25
3734146.77	0.22749m	(16031424)		
482903.58	3734117.28	0.23452m	(16031424)	482904.88
3734060.56	0.23416m	(16031424)		
482905.20	3734042.08	0.23370m	(16031424)	482905.20
3734025.88	0.23327m	(16031424)		
482919.14	3734006.43	0.22547m	(16031424)	482836.60
3733631.78	0.21409b	(14111524)		
483237.52	3733952.14	0.12524m	(16031424)	483302.44
3733879.31	0.11278m	(16031424)		
483300.33	3733712.52	0.10957m	(16031424)	483082.88
3733655.52	0.14266m	(16031424)		
482319.69	3733551.02	0.54751	(14120124)	481675.81
3733533.54	0.27257c	(15121824)		
481360.99	3733617.99	0.16715c	(14012324)	481272.81
3733583.21	0.14244c	(14012324)		
480862.98	3733796.20	0.08721c	(14121524)	480863.61
3734055.76	0.09083c	(14121524)		
480848.70	3733622.95	0.08445c	(14012324)	481879.20
3733714.04	0.83880	(16011524)		
481880.58	3733725.06	0.88392c	(14121524)	481880.02
3733747.10	0.95021c	(14121524)		
481880.30	3733755.92	0.97678c	(14121524)	481882.23
3733776.03	1.04473c	(14121524)		
481883.61	3733791.74	1.09580c	(14121524)	481883.33
3733832.24	1.16860c	(14121524)		
481880.02	3733878.25	1.20281c	(14121524)	481883.06
3733920.14	1.27788c	(14121524)		
481884.16	3733929.78	1.30067c	(14121524)	481883.61
3733943.83	1.31107c	(14121524)		
481885.53	3733965.60	1.35413c	(14121524)	481884.71
3733982.41	1.36132c	(14121524)		
481880.30	3734005.55	1.34572c	(14121524)	481876.17
3734022.08	1.33049c	(14121524)		
481868.18	3734046.05	1.29711c	(14121524)	481861.84
3734062.04	1.26877c	(14121524)		
481851.09	3734082.15	1.19673c	(14121524)	481843.38
3734096.48	1.13645c	(14121524)		
481828.50	3734117.42	1.01117c	(14121524)	481817.20
3734130.09	0.92600c	(14121524)		
481805.63	3734143.32	0.85037c	(14121524)	481792.96
3734157.92	0.77965c	(14121524)		
481859.08	3734160.95	1.22833c	(14121524)	481872.86
3734171.15	1.33290c	(14121524)		
481891.05	3734184.65	1.42905c	(14121524)	481905.65
3734195.12	1.48127c	(14121524)		
481915.02	3734203.11	1.50710c	(14121524)	481930.17
3734213.30	1.59193c	(14121524)		
481946.43	3734225.70	1.72009c	(14121524)	482630.92
3734448.65	0.39537c	(14121524)		

482625.46 3734541.27 0.34239c (14121524) 483299.43
3734396.77 0.11167c (15111524)
483313.72 3734511.32 0.10700c (15111524) 482533.74
3734524.68 0.46690 (15122224)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³ **

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

ALL	HIGH	1ST HIGH VALUE IS	1.91995c	ON 14121524:	AT (	481962.48, 3734240.57,
432.00,	432.00,	2.00)	DC			

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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 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 ***  
*****
```

```

** 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 PM25\15360 Ops
PM25.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley SP\15360 Ops
  MODELOPT DFAULT CONC
  AVERTIME 24
  URBANOPT 2189641 Riverside_County
  POLLUTID PM_2.5
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "15360 Ops PM25.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      481958.674    3733736.294    433.000
LOCATION VOL2      VOLUME      482022.313    3733735.984    433.000
LOCATION VOL3      VOLUME      481958.364    3733808.004    433.000
LOCATION VOL4      VOLUME      482022.313    3733808.004    433.000
LOCATION VOL5      VOLUME      481957.743    3733879.403    433.000
LOCATION VOL6      VOLUME      482022.933    3733879.403    433.000
LOCATION VOL7      VOLUME      481957.743    3733951.423    432.960
LOCATION VOL8      VOLUME      482021.071    3733950.802    433.000
LOCATION VOL9      VOLUME      481957.122    3734022.822    432.100
LOCATION VOL10     VOLUME      482020.450    3734022.201    433.000
LOCATION VOL11     VOLUME      481932.288    3734094.221    432.000
LOCATION VOL12     VOLUME      482003.687    3734093.600    432.000
LOCATION VOL13     VOLUME      482055.839    3734080.562    433.000
LOCATION VOL14     VOLUME      482056.460    3734152.582    432.170
LOCATION VOL15     VOLUME      481984.440    3734164.379    432.000
LOCATION VOL16     VOLUME      481915.524    3734131.473    432.000
LOCATION VOL17     VOLUME      482055.218    3734223.360    432.000
LOCATION VOL18     VOLUME      482011.758    3734235.157    432.000
LOCATION VOL19     VOLUME      482011.758    3734306.556    432.000
LOCATION VOL20     VOLUME      482011.137    3734377.955    432.000
LOCATION VOL21     VOLUME      482010.516    3734448.733    431.000
LOCATION VOL22     VOLUME      482082.536    3734269.925    432.070
LOCATION VOL23     VOLUME      482082.536    3734325.803    432.000
LOCATION VOL24     VOLUME      482083.157    3734386.647    431.980
LOCATION VOL25     VOLUME      482083.778    3734446.871    431.000
LOCATION VOL26     VOLUME      482153.935    3734269.304    433.000
LOCATION VOL27     VOLUME      482225.334    3734268.683    433.000
LOCATION VOL28     VOLUME      482296.733    3734268.683    433.000

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LOCATION VOL29	VOLUME	482368.132	3734268.063	433.000
LOCATION VOL30	VOLUME	482153.935	3734325.803	432.470
LOCATION VOL31	VOLUME	482153.935	3734386.026	432.000
LOCATION VOL32	VOLUME	482153.935	3734445.008	431.000
LOCATION VOL33	VOLUME	482225.334	3734325.803	433.000
LOCATION VOL34	VOLUME	482225.334	3734386.026	432.840
LOCATION VOL35	VOLUME	482225.334	3734443.766	431.850
LOCATION VOL36	VOLUME	482296.733	3734325.803	433.000
LOCATION VOL37	VOLUME	482296.112	3734384.784	433.000
LOCATION VOL38	VOLUME	482296.112	3734443.766	433.000
LOCATION VOL39	VOLUME	482367.511	3734325.803	433.000
LOCATION VOL40	VOLUME	482367.511	3734441.904	433.000
LOCATION VOL41	VOLUME	482366.891	3734384.784	433.000
LOCATION VOL42	VOLUME	482126.961	3734197.819	433.000
LOCATION VOL43	VOLUME	482197.120	3734197.199	433.000
LOCATION VOL44	VOLUME	482267.900	3734196.578	433.000
LOCATION VOL45	VOLUME	482339.300	3734196.578	433.000
LOCATION VOL46	VOLUME	482367.860	3734195.957	433.000
LOCATION VOL47	VOLUME	482127.582	3734125.798	433.000
LOCATION VOL48	VOLUME	482198.362	3734124.556	433.000
LOCATION VOL49	VOLUME	482269.762	3734124.556	433.000
LOCATION VOL50	VOLUME	482339.921	3734124.556	433.000
LOCATION VOL51	VOLUME	482369.723	3734124.556	433.000
LOCATION VOL52	VOLUME	482092.192	3734053.777	433.000
LOCATION VOL53	VOLUME	482164.214	3734053.777	433.000
LOCATION VOL54	VOLUME	482235.614	3734051.914	433.000
LOCATION VOL55	VOLUME	482307.636	3734052.535	433.000
LOCATION VOL56	VOLUME	482372.207	3734053.156	433.000
LOCATION VOL57	VOLUME	482092.192	3733981.755	433.000
LOCATION VOL58	VOLUME	482163.593	3733982.997	433.000
LOCATION VOL59	VOLUME	482235.614	3733982.376	433.000
LOCATION VOL60	VOLUME	482307.636	3733981.134	433.000
LOCATION VOL61	VOLUME	482365.998	3733982.376	433.000
LOCATION VOL62	VOLUME	482092.813	3733909.734	433.000
LOCATION VOL63	VOLUME	482163.593	3733911.597	433.000
LOCATION VOL64	VOLUME	482234.993	3733910.976	433.000
LOCATION VOL65	VOLUME	482306.394	3733911.597	433.000
LOCATION VOL66	VOLUME	482357.306	3733911.597	433.000
LOCATION VOL67	VOLUME	482092.813	3733838.333	433.000
LOCATION VOL68	VOLUME	482164.835	3733838.954	433.000
LOCATION VOL69	VOLUME	482236.235	3733839.575	433.000
LOCATION VOL70	VOLUME	482308.257	3733840.196	433.000
LOCATION VOL71	VOLUME	482092.192	3733766.312	433.000
LOCATION VOL72	VOLUME	482163.593	3733768.175	433.000
LOCATION VOL73	VOLUME	482234.373	3733768.175	433.000
LOCATION VOL74	VOLUME	482307.636	3733768.175	433.000
LOCATION VOL75	VOLUME	482303.910	3733731.543	433.000
LOCATION VOL76	VOLUME	482233.752	3733729.680	433.000
LOCATION VOL77	VOLUME	482094.055	3733734.647	433.000
LOCATION VOL78	VOLUME	482164.835	3733732.164	433.000

** Source Parameters **

SRCPARAM VOL1	0.000236876	5.000	16.605	1.400
SRCPARAM VOL2	0.000236876	5.000	16.605	1.400
SRCPARAM VOL3	0.000236876	5.000	16.605	1.400
SRCPARAM VOL4	0.000236876	5.000	16.605	1.400
SRCPARAM VOL5	0.000236876	5.000	16.605	1.400
SRCPARAM VOL6	0.000236876	5.000	16.605	1.400
SRCPARAM VOL7	0.000236876	5.000	16.605	1.400
SRCPARAM VOL8	0.000236876	5.000	16.605	1.400
SRCPARAM VOL9	0.000236876	5.000	16.605	1.400
SRCPARAM VOL10	0.000236876	5.000	16.605	1.400
SRCPARAM VOL11	0.000236876	5.000	16.605	1.400
SRCPARAM VOL12	0.000236876	5.000	16.605	1.400
SRCPARAM VOL13	0.000236876	5.000	16.605	1.400
SRCPARAM VOL14	0.000236876	5.000	16.605	1.400
SRCPARAM VOL15	0.000236876	5.000	16.605	1.400

[illegible]

SO FINISHED

**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "15360 Ops PM25.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15360 OPS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "15360 Ops PM25.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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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 78 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 Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 78 Source(s); 1 Source Group(s); and 72 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 78 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

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

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:
aermod.out

**Detailed Error/Message File: 15360 Ops

PM25.err

**File for Summary of Results: 15360 Ops

PM25.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER		EMISSION RATE		BASE		RELEASE	INIT.	INIT.
	URBAN	EMISSION	RATE	AIRCRAFT					
	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	
	SCALAR VARY								
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
(METERS)									
VOL1	0	0.23688E-03	481958.7	3733736.3	433.0	5.00	16.61	1.40	
YES		NO							
VOL2	0	0.23688E-03	482022.3	3733736.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL3	0	0.23688E-03	481958.4	3733808.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL4	0	0.23688E-03	482022.3	3733808.0	433.0	5.00	16.61	1.40	
YES		NO							
VOL5	0	0.23688E-03	481957.7	3733879.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL6	0	0.23688E-03	482022.9	3733879.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL7	0	0.23688E-03	481957.7	3733951.4	433.0	5.00	16.61	1.40	
YES		NO							
VOL8	0	0.23688E-03	482021.1	3733950.8	433.0	5.00	16.61	1.40	
YES		NO							
VOL9	0	0.23688E-03	481957.1	3734022.8	432.1	5.00	16.61	1.40	
YES		NO							
VOL10	0	0.23688E-03	482020.5	3734022.2	433.0	5.00	16.61	1.40	
YES		NO							
VOL11	0	0.23688E-03	481932.3	3734094.2	432.0	5.00	16.61	1.40	
YES		NO							
VOL12	0	0.23688E-03	482003.7	3734093.6	432.0	5.00	16.61	1.40	
YES		NO							
VOL13	0	0.23688E-03	482055.8	3734080.6	433.0	5.00	16.61	1.40	
YES		NO							
VOL14	0	0.23688E-03	482056.5	3734152.6	432.2	5.00	16.61	1.40	
YES		NO							
VOL15	0	0.23688E-03	481984.4	3734164.4	432.0	5.00	16.61	1.40	
YES		NO							
VOL16	0	0.23688E-03	481915.5	3734131.5	432.0	5.00	16.61	1.40	
YES		NO							
VOL17	0	0.23688E-03	482055.2	3734223.4	432.0	5.00	16.61	1.40	
YES		NO							
VOL18	0	0.23688E-03	482011.8	3734235.2	432.0	5.00	16.61	1.40	
YES		NO							
VOL19	0	0.23688E-03	482011.8	3734306.6	432.0	5.00	16.61	1.40	
YES		NO							
VOL20	0	0.23688E-03	482011.1	3734378.0	432.0	5.00	16.61	1.40	

YES		NO						
VOL21	0	0.23688E-03	482010.5	3734448.7	431.0	5.00	16.61	1.40
YES		NO						
VOL22	0	0.23688E-03	482082.5	3734269.9	432.1	5.00	16.61	1.40
YES		NO						
VOL23	0	0.23688E-03	482082.5	3734325.8	432.0	5.00	16.61	1.40
YES		NO						
VOL24	0	0.23688E-03	482083.2	3734386.6	432.0	5.00	16.61	1.40
YES		NO						
VOL25	0	0.23688E-03	482083.8	3734446.9	431.0	5.00	16.61	1.40
YES		NO						
VOL26	0	0.23688E-03	482153.9	3734269.3	433.0	5.00	16.61	1.40
YES		NO						
VOL27	0	0.23688E-03	482225.3	3734268.7	433.0	5.00	16.61	1.40
YES		NO						
VOL28	0	0.23688E-03	482296.7	3734268.7	433.0	5.00	16.61	1.40
YES		NO						
VOL29	0	0.23688E-03	482368.1	3734268.1	433.0	5.00	16.61	1.40
YES		NO						
VOL30	0	0.23688E-03	482153.9	3734325.8	432.5	5.00	16.61	1.40
YES		NO						
VOL31	0	0.23688E-03	482153.9	3734386.0	432.0	5.00	16.61	1.40
YES		NO						
VOL32	0	0.23688E-03	482153.9	3734445.0	431.0	5.00	16.61	1.40
YES		NO						
VOL33	0	0.23688E-03	482225.3	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL34	0	0.23688E-03	482225.3	3734386.0	432.8	5.00	16.61	1.40
YES		NO						
VOL35	0	0.23688E-03	482225.3	3734443.8	431.9	5.00	16.61	1.40
YES		NO						
VOL36	0	0.23688E-03	482296.7	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL37	0	0.23688E-03	482296.1	3734384.8	433.0	5.00	16.61	1.40
YES		NO						
VOL38	0	0.23688E-03	482296.1	3734443.8	433.0	5.00	16.61	1.40
YES		NO						
VOL39	0	0.23688E-03	482367.5	3734325.8	433.0	5.00	16.61	1.40
YES		NO						
VOL40	0	0.23688E-03	482367.5	3734441.9	433.0	5.00	16.61	1.40
YES		NO						

```

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SP\15360 Ops ***          03/13/24
*** AERMET - VERSION 16216 ***
***
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          PAGE      3
*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

```

*** VOLUME SOURCE DATA ***

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

YES		NO						
VOL44	0	0.23688E-03	482267.9	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL45	0	0.23688E-03	482339.3	3734196.6	433.0	5.00	16.61	1.40
YES		NO						
VOL46	0	0.23688E-03	482367.9	3734196.0	433.0	5.00	16.61	1.40
YES		NO						
VOL47	0	0.23688E-03	482127.6	3734125.8	433.0	5.00	16.61	1.40
YES		NO						
VOL48	0	0.23688E-03	482198.4	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL49	0	0.23688E-03	482269.8	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL50	0	0.23688E-03	482339.9	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL51	0	0.23688E-03	482369.7	3734124.6	433.0	5.00	16.61	1.40
YES		NO						
VOL52	0	0.23688E-03	482092.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL53	0	0.23688E-03	482164.2	3734053.8	433.0	5.00	16.61	1.40
YES		NO						
VOL54	0	0.23688E-03	482235.6	3734051.9	433.0	5.00	16.61	1.40
YES		NO						
VOL55	0	0.23688E-03	482307.6	3734052.5	433.0	5.00	16.61	1.40
YES		NO						
VOL56	0	0.23688E-03	482372.2	3734053.2	433.0	5.00	16.61	1.40
YES		NO						
VOL57	0	0.23688E-03	482092.2	3733981.8	433.0	5.00	16.61	1.40
YES		NO						
VOL58	0	0.23688E-03	482163.6	3733983.0	433.0	5.00	16.61	1.40
YES		NO						
VOL59	0	0.23688E-03	482235.6	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL60	0	0.23688E-03	482307.6	3733981.1	433.0	5.00	16.61	1.40
YES		NO						
VOL61	0	0.23688E-03	482366.0	3733982.4	433.0	5.00	16.61	1.40
YES		NO						
VOL62	0	0.23688E-03	482092.8	3733909.7	433.0	5.00	16.61	1.40
YES		NO						
VOL63	0	0.23688E-03	482163.6	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL64	0	0.23688E-03	482235.0	3733911.0	433.0	5.00	16.61	1.40
YES		NO						
VOL65	0	0.23688E-03	482306.4	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL66	0	0.23688E-03	482357.3	3733911.6	433.0	5.00	16.61	1.40
YES		NO						
VOL67	0	0.23688E-03	482092.8	3733838.3	433.0	5.00	16.61	1.40
YES		NO						
VOL68	0	0.23688E-03	482164.8	3733839.0	433.0	5.00	16.61	1.40
YES		NO						
VOL69	0	0.23688E-03	482236.2	3733839.6	433.0	5.00	16.61	1.40
YES		NO						
VOL70	0	0.23688E-03	482308.3	3733840.2	433.0	5.00	16.61	1.40
YES		NO						
VOL71	0	0.23688E-03	482092.2	3733766.3	433.0	5.00	16.61	1.40
YES		NO						
VOL72	0	0.23688E-03	482163.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL73	0	0.23688E-03	482234.4	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL74	0	0.23688E-03	482307.6	3733768.2	433.0	5.00	16.61	1.40
YES		NO						
VOL75	0	0.23688E-03	482303.9	3733731.5	433.0	5.00	16.61	1.40
YES		NO						
VOL76	0	0.23688E-03	482233.8	3733729.7	433.0	5.00	16.61	1.40

```
YES NO
VOL77 0 0.23688E-03 482094.1 3733734.6 433.0 5.00 16.61 1.40
YES NO
VOL78 0 0.23688E-03 482164.8 3733732.2 433.0 5.00 16.61 1.40
YES NO
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```
SRCGROUP ID SOURCE IDs
-----
ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
VOL71 , VOL72 ,
VOL73 , VOL74 , VOL75 , VOL76 , VOL77 , VOL78 ,
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
URBAN ID URBAN POP SOURCE IDs
-----
2189641. VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,
VOL8 ,
```

VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
VOL15	,	VOL16	,								
VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
VOL23	,	VOL24	,								
VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
VOL31	,	VOL32	,								
VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
VOL39	,	VOL40	,								
VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
VOL47	,	VOL48	,								
VOL49	,	VOL50	,	VOL51	,	VOL52	,	VOL53	,	VOL54	,
VOL55	,	VOL56	,								
VOL57	,	VOL58	,	VOL59	,	VOL60	,	VOL61	,	VOL62	,
VOL63	,	VOL64	,								
VOL65	,	VOL66	,	VOL67	,	VOL68	,	VOL69	,	VOL70	,
VOL71	,	VOL72	,								

VOL73	,	VOL74	,	VOL75	,	VOL76	,	VOL77	,	VOL78	,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(481962.5, 3734240.6,	432.0,	432.0,	2.0);	(481962.5, 3734264.7,
432.0, 432.0,	2.0);			
(481962.2, 3734282.2,	432.0,	432.0,	2.0);	(481961.8, 3734299.8,
432.0, 432.0,	2.0);			
(481961.5, 3734312.2,	432.0,	432.0,	2.0);	(481961.3, 3734351.1,
432.0, 432.0,	2.0);			
(481961.1, 3734369.1,	432.0,	432.0,	2.0);	(481961.5, 3734382.0,
432.0, 432.0,	2.0);			
(481961.1, 3734399.1,	432.0,	432.0,	2.0);	(481953.1, 3734437.5,
432.0, 432.0,	2.0);			
(481952.2, 3734453.0,	432.0,	432.0,	2.0);	(481959.4, 3734466.1,
431.0, 431.0,	2.0);			
(482097.1, 3734535.8,	431.0,	431.0,	2.0);	(482139.2, 3734533.9,
431.0, 431.0,	2.0);			
(482279.7, 3734539.1,	431.0,	431.0,	2.0);	(482216.9, 3734550.7,
431.0, 431.0,	2.0);			
(482528.8, 3734259.0,	433.0,	433.0,	2.0);	(482528.8, 3734102.8,
433.4, 433.4,	2.0);			
(482904.5, 3734166.2,	435.0,	435.0,	2.0);	(482915.2, 3734146.8,
435.0, 435.0,	2.0);			
(482903.6, 3734117.3,	435.0,	435.0,	2.0);	(482904.9, 3734060.6,
435.0, 435.0,	2.0);			
(482905.2, 3734042.1,	435.0,	435.0,	2.0);	(482905.2, 3734025.9,
435.0, 435.0,	2.0);			
(482919.1, 3734006.4,	435.0,	435.0,	2.0);	(482836.6, 3733631.8,
435.0, 435.0,	2.0);			
(483237.5, 3733952.1,	436.0,	436.0,	2.0);	(483302.4, 3733879.3,
436.0, 436.0,	2.0);			

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SP\15360 Ops ***                    03/13/24
*** AERMET - VERSION 16216 ***
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***                                     *** 15:30:09

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

[illegible]

[illegible]

10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70
310.		9.1		290.9	5.5										
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20
357.		9.1		293.1	5.5										
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20
356.		9.1		293.8	5.5										
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20
50.		9.1		294.2	5.5										
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80
53.		9.1		293.8	5.5										
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80
11.		9.1		292.5	5.5										
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90
351.		9.1		290.4	5.5										
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.		9.1		287.5	5.5										
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.		9.1		285.9	5.5										
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.		9.1		285.4	5.5										
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.		9.1		284.9	5.5										
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.		9.1		283.1	5.5										
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.		9.1		281.4	5.5										
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.		9.1		280.9	5.5										

First hour of profile data

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

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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
481962.48	3734240.57	0.58883c	(14121524)	481962.48	
3734264.69	0.55404c	(14121524)			

481962.24	3734282.25	0.53875c	(14121524)	481961.77
3734299.81	0.52906c	(14121524)		
481961.54	3734312.23	0.51883c	(14121524)	481961.30
3734351.10	0.48272c	(14121524)		
481961.07	3734369.13	0.47492c	(14121524)	481961.54
3734382.01	0.46844c	(14121524)		
481961.07	3734399.10	0.44509c	(14121524)	481953.11
3734437.51	0.37126c	(14121524)		
481952.17	3734452.96	0.34866c	(14121524)	481959.43
3734466.07	0.35321c	(14121524)		
482097.06	3734535.79	0.31557	(11121924)	482139.21
3734533.86	0.32790	(11111924)		
482279.72	3734539.09	0.30566	(11111924)	482216.90
3734550.67	0.29419	(11111924)		
482528.77	3734258.97	0.23090c	(14121524)	482528.77
3734102.85	0.24060m	(16031424)		
482904.55	3734166.22	0.07122m	(16031424)	482915.25
3734146.77	0.06977m	(16031424)		
482903.58	3734117.28	0.07193m	(16031424)	482904.88
3734060.56	0.07182m	(16031424)		
482905.20	3734042.08	0.07167m	(16031424)	482905.20
3734025.88	0.07154m	(16031424)		
482919.14	3734006.43	0.06915m	(16031424)	482836.60
3733631.78	0.06566b	(14111524)		
483237.52	3733952.14	0.03841m	(16031424)	483302.44
3733879.31	0.03459m	(16031424)		
483300.33	3733712.52	0.03360m	(16031424)	483082.88
3733655.52	0.04375m	(16031424)		
482319.69	3733551.02	0.16791	(14120124)	481675.81
3733533.54	0.08359c	(15121824)		
481360.99	3733617.99	0.05126c	(14012324)	481272.81
3733583.21	0.04368c	(14012324)		
480862.98	3733796.20	0.02675c	(14121524)	480863.61
3734055.76	0.02786c	(14121524)		
480848.70	3733622.95	0.02590c	(14012324)	481879.20
3733714.04	0.25725	(16011524)		
481880.58	3733725.06	0.27109c	(14121524)	481880.02
3733747.10	0.29142c	(14121524)		
481880.30	3733755.92	0.29957c	(14121524)	481882.23
3733776.03	0.32041c	(14121524)		
481883.61	3733791.74	0.33607c	(14121524)	481883.33
3733832.24	0.35840c	(14121524)		
481880.02	3733878.25	0.36889c	(14121524)	481883.06
3733920.14	0.39191c	(14121524)		
481884.16	3733929.78	0.39890c	(14121524)	481883.61
3733943.83	0.40209c	(14121524)		
481885.53	3733965.60	0.41530c	(14121524)	481884.71
3733982.41	0.41750c	(14121524)		
481880.30	3734005.55	0.41272c	(14121524)	481876.17
3734022.08	0.40805c	(14121524)		
481868.18	3734046.05	0.39781c	(14121524)	481861.84
3734062.04	0.38912c	(14121524)		
481851.09	3734082.15	0.36702c	(14121524)	481843.38
3734096.48	0.34854c	(14121524)		
481828.50	3734117.42	0.31012c	(14121524)	481817.20
3734130.09	0.28399c	(14121524)		
481805.63	3734143.32	0.26080c	(14121524)	481792.96
3734157.92	0.23911c	(14121524)		
481859.08	3734160.95	0.37671c	(14121524)	481872.86
3734171.15	0.40878c	(14121524)		
481891.05	3734184.65	0.43827c	(14121524)	481905.65
3734195.12	0.45429c	(14121524)		
481915.02	3734203.11	0.46221c	(14121524)	481930.17
3734213.30	0.48823c	(14121524)		
481946.43	3734225.70	0.52753c	(14121524)	482630.92
3734448.65	0.12126c	(14121524)		

482625.46 3734541.27 0.10501c (14121524) 483299.43
3734396.77 0.03425c (15111524)
483313.72 3734511.32 0.03282c (15111524) 482533.74
3734524.68 0.14319 (15122224)

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 15:30:09

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

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

ALL	HIGH	1ST HIGH VALUE IS	0.58883c ON 14121524: AT (	481962.48,	3734240.57,	
432.00,	432.00,	2.00) DC				

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15360 Green Valley
SP\15360 Ops *** 03/13/24
*** AERMET - VERSION 16216 ***
*** 15:30:09

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 219 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 219 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


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