APPENDIX Q

Construction Health Risk Assessment

May 9, 2022

Planning & Development Services Department
City of West Hollywood
8300 Santa Monica Boulevard
West Hollywood, CA 90069-6216
Attn: Dereck Purificacion, Associate Planner

Re: 9160-9176 Sunset Boulevard Project - Construction Health Risk Assessment

Mr. Purificacion:

At your direction, Air Quality Dynamics has prepared a health risk assessment (HRA) to quantify the impact of diesel particulate matter (DPM), which is identified as a toxic air contaminant pursuant to California Code of Regulations Section 93001, associated with the generation of off-road equipment emissions during construction of the proposed project. This was done to supplement the air quality analysis prepared by UltraSystems Environmental, Inc. which evaluated criteria pollutant exposures associated with project construction and operation.

The HRA quantifies both carcinogenic risks and noncarcinogenic hazards for the maximum exposed residential receptor adjoining the project site. To ensure a viable quantification of exposure, the technical approach used in the preparation of the HRA was composed of all relevant and appropriate assessment and dispersion modeling methodologies presented by the U.S. Environmental Protection Agency, California Environmental Protection Agency and South Coast Air Quality Management District (SCAQMD).

Results of the HRA showed carcinogenic risk and noncarcinogenic hazard estimates for the maximum exposed residential receptor did not exceed identified significance thresholds. The following discussion outlines the methodology utilized to conduct the HRA and summarizes the protocol used to evaluate DPM exposures.

Source Identification

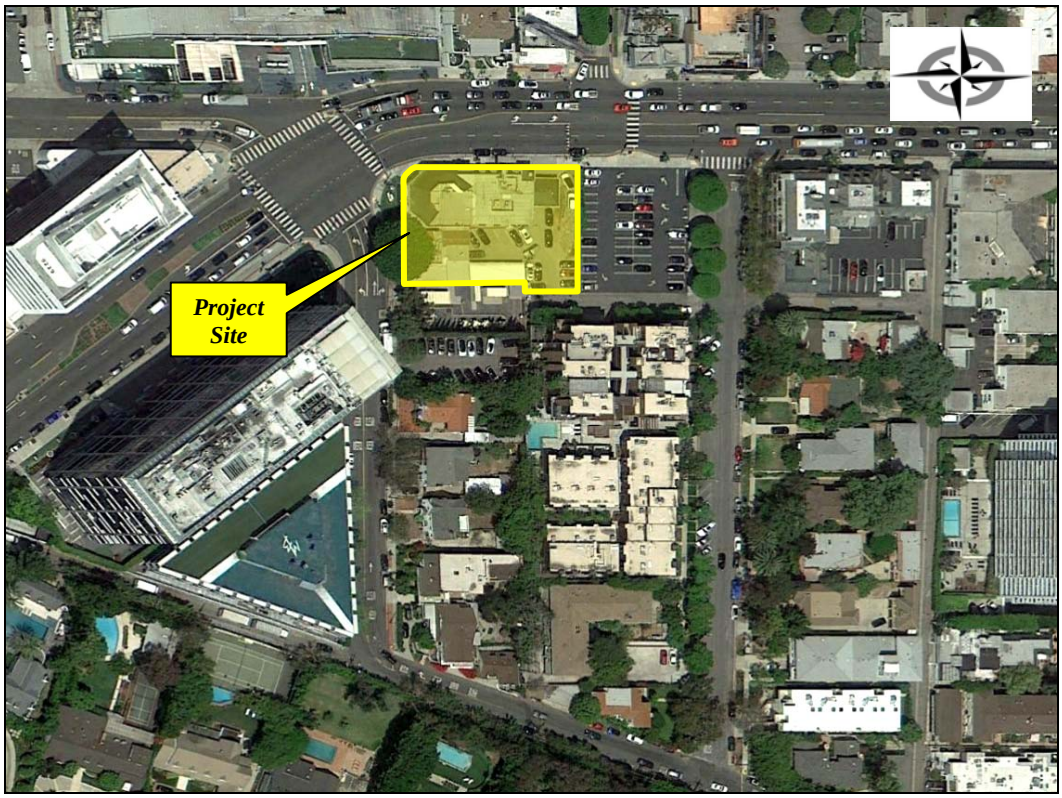
The project proposes the demolition of an existing commercial building and adjoining surface parking lot and the construction of a commercial retail/office building. The building would encompass approximately 53,029 square feet of floor area and accommodate five stories in height. Specifically, the project includes retail, food and beverage, and office uses on the first floor and office uses on the second through fifth floors. The project also provides automobile parking spaces within a three-level underground parking garage.

The approximate 0.43 acre site is located on the south side of Sunset Boulevard, between Carol Drive and Cory Avenue in the City of West Hollywood. The property addresses associated with the project include 9160, 9166, 9174, and 9176 Sunset Boulevard and comprise three Assessor

Identification Numbers (AINs): 4340-028-001, 4340-028-002 and 4340-028-010. The project site is bounded by medical and commercial land uses to the north, residential land uses to the south, a surface parking lot to the east and commercial land uses to the west.

It is anticipated that the project will begin and complete construction within a 20-month calendar period. Figure 1 presents an aerial photograph of the project location and adjoining community.

Figure 1
Site Location /Vicinity Aerial Photograph



Source Characterization

On-site construction emission estimates were based upon the Los Angeles-South Coast County profile generated by the CalEEMod land use emission software provided by UltraSystems Environmental, Inc. CalEEMod is an emissions model which provides a uniform platform quantifying pollutant emissions associated with project construction and operation. The model is considered a comprehensive tool for quantifying air quality impacts from projects located throughout the State prepared under the auspices of the California Environmental Quality Act (CEQA).

For this assessment, the off-road PM_{10} exhaust estimates reported by CalEEMod were used as a surrogate for DPM emissions which assumed diesel-powered construction equipment will meet EPA-certified Tier 4 Interim emission standards. The emission rates for both winter and summer scenarios were found to be commensurate.

To assess localized impacts, construction phase, calendar year and number of days associated with each activity were identified to produce an average daily emission rate. Construction operations are reported to occur for 446 days over a 624 day period (1.71 years) based upon a 5 day per week operational schedule.

Table 1 provides a summary of estimated average daily particulate emissions associated with each identified construction phase and year. Attachment B presents the emission calculation worksheet used to quantify pollutant source strength. Excerpts from the CalEEMod output file which identify construction phase timelines and associated emission rates are provided in Attachment C.

Table 1
Average Daily Emissions/PM_{10}

Construction Phase/Year	Emissions (Lbs/Day)
Demolition/2022	0.0460
Site Preparation/2022	0.0281
Grading/2022	0.0421
Grading/2023	0.0421
Building Construction/2023	0.1617
Building Construction/2024	0.1617
Paving/2024	0.0213
Architectural Coating/2024	0.00396
Average Emissions	**0.1177**

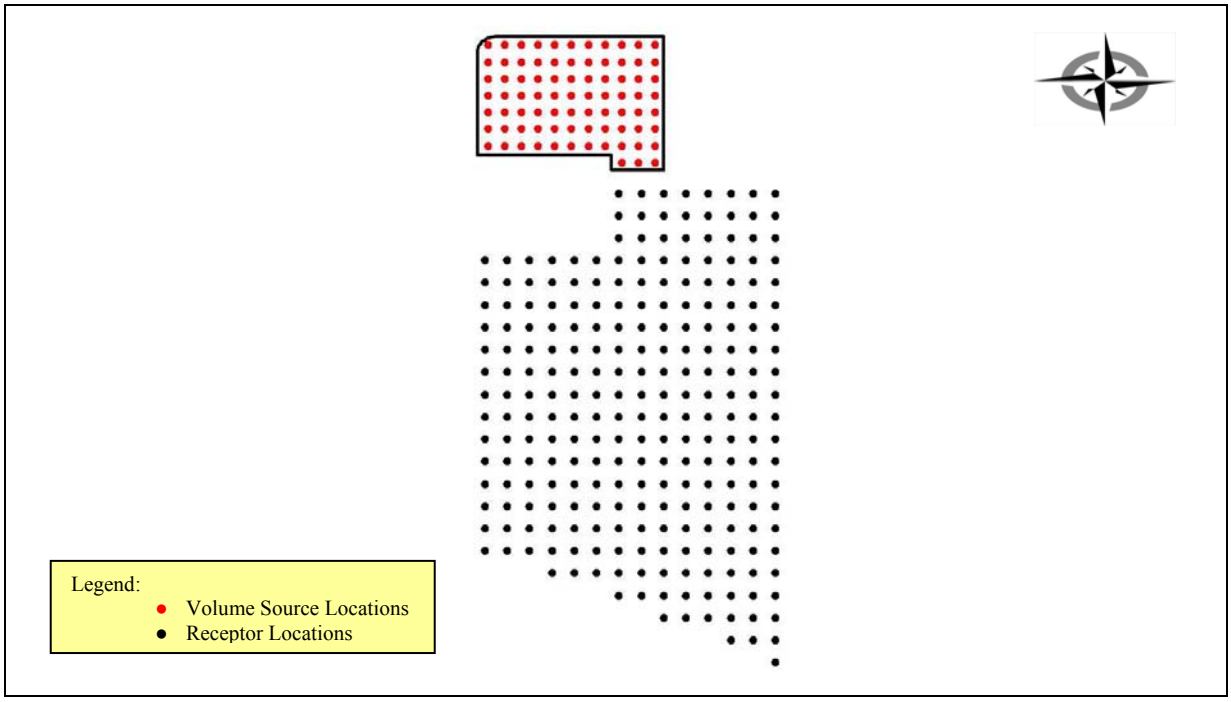
Exposure Quantification

In order to assess the impact of DPM emissions, air quality modeling utilizing the AMS/EPA Regulatory Model AERMOD was performed. AERMOD is a steady-state Gaussian plume model applicable to directly emitted air pollutants that employs best state-of-practice parameterizations for characterizing meteorological influences and atmospheric dispersion. AERMOD is the U.S. Environmental Protection Agency's guideline model for the assessment of near-field pollutant dispersion.

The SCAQMD provides guidance (*Localized Significance Threshold Methodology*, July 2008) on the evaluation of localized air quality impacts to public agencies conducting environmental review of projects located within its jurisdiction. As such, source treatment outlined in the Localized Significance Threshold (LST) methodology was utilized whereby exhaust emissions from construction equipment were treated as a set of side-by-side elevated volume sources with a release height of five and an initial vertical (sigma z) dimension of 1.4 meters. The elevated source characterization accounts for a mid-range plume rise height associated with exhaust stack emissions for typical off-road equipment inventories. Horizontal (sigma y) parameters were produced by dividing source separation distances by a standard deviation of 2.15.

To accommodate a Cartesian grid format, direction dependent calculations were obtained by identifying the universal transverse mercator (UTM) coordinates for each volume source location. UTM coordinates were also identified for residential receptors adjoining the project site. A flagpole receptor height of two meters was assumed and assigned to each receptor location. Terrain height adjustments were additionally incorporated into the modeling exercise to account for the discrepancy in source-receptor elevations. A graphical representation of the source-receptor grid network is presented in Figure 2.

Figure 2
Source-Receptor Grid Network



Refined air dispersion models require meteorological information to account for local atmospheric conditions. Due to their sensitivity to individual meteorological parameters such as wind speed and direction, the U.S. Environmental Protection Agency recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Santa Monica Airport monitoring station which is located approximately 6.14 miles southwest of the project site was used to represent local weather conditions and prevailing winds.

In a manner consistent with SCAQMD guidance for the assessment of chronic exposures, maximum concentrations were produced by incorporating all five years of available meteorological data. A model scalar value of 1 was assigned to account for emissions generated during construction related activity corresponding to 8 hours per day as reported in the CalEEMod construction profile from 8 a.m. to 4 p.m. (ending hours 9 to 16). A scalar value of 0 was used for non-operational hours. A copy of the AERMOD dispersion model output file is provided in Attachment D.

Risk Characterization

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. As a result, the State of California has established a threshold of one in one hundred thousand (1.0E-05) as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65). This threshold is also consistent with the maximum incremental cancer risk established by the SCAQMD for projects prepared under CEQA.

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a 70 year lifetime. The URF and corresponding cancer potency factor for DPM utilized in the assessment was obtained from the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*.

A review of available guidance was conducted to determine applicability of the use of early life exposure adjustments to identified carcinogens. For risk assessments conducted under the auspices of The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, Connelly, Statutes of 1987; Health and Safety Code Section 44300 et seq.) a weighting factor is applied to all carcinogens regardless of purported mechanism of action. Notwithstanding, applicability of AB 2588 is limited to commercial and industrial operations. There are two broad classes of facilities subject to the AB 2588 Program: Core facilities and facilities identified within discrete industry-wide source categories. Core facilities subject to AB 2588 compliance are sources whose criteria pollutant emissions (particulate matter, oxides of sulfur, oxides of nitrogen and volatile organic compounds) are 25 tons per year or more as well as those facilities whose criteria pollutant emissions are 10 tons per year or more but less than 25 tons per year. Industry-wide source facilities are classified as smaller operations with relatively similar emission profiles (e.g., auto body shops, gas stations and dry cleaners using perchloroethylene). The off-road source emissions generated from the construction of the proposed project are not classified as core operations nor subject to industry-wide source evaluation.

As such, the HRA relied upon U.S. Environmental Protection Agency guidance relating to the use of early life exposure adjustment factors (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action." In 2006, the U.S. Environmental Protection Agency published a memorandum which provides guidance regarding the preparation of health risk assessments should carcinogenic compounds

elicit a mutagenic mode of action (USEPA, 2006). As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise < 1% of the exhaust particulate mass. To date, the U.S. Environmental Protection Agency reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action (USEPA, 2018).

As a commenting agency, the SCAQMD has not provided guidance nor developed policy relating to the applicability of applying early life exposure adjustment factors for projects prepared by other public/lead agencies subject to CEQA. Additionally, the California Department of Toxic Substances Control (DTSC) which is charged with protecting individuals and the environment from the effects of toxic substances is also responsible for assessing, investigating and evaluating sensitive receptor populations to ensure that properties are free of contamination or that health protective remediation levels are achieved has adopted the U.S. Environmental Protection Agency's policy in the application of early life exposure adjustments. As such, incorporation of early life exposure adjustments for exposures to DPM emissions in the quantification of carcinogenic risk for construction of the proposed project were not considered in the HRA.

To quantify dose, the procedure requires the incorporation of several discrete exposure variates. To account for upper-bound exposures associated with residential occupancies, lifetime risk values were adjusted to account for an exposure frequency of 261 days per year for a period of 1.71 years (i.e., 0.25 years for the third trimester and 1.46 years for the 0 to 2 year age group). Point estimates for daily breathing rates representing the 95th percentile of 361 and 1090 L/kg-day for the identified age groups were utilized and incorporated into the following dose algorithm.

$$Dose_{air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where:

$Dose_{air}$ = *dose through inhalation (mg/kg/day)*
C_{air} = *concentration of contaminant in air (µg/m^3)*
$\{BR/BW\}$ = *daily breathing rate normalized to body weight (L/kg body weight/day)*
A = *inhalation absorption factor (unitless)*
EF = *exposure frequency (days/365 days)*
10^{-6} = *micrograms to milligrams conversion*

The above inhalation dose estimates and residential fractional time adjustments (i.e., 0.85 for the third trimester and ages 0 to 2 years) were incorporated into the following equation to produce carcinogenic risk estimates for ages commensurate with the reported exposure durations.

$$Risk_{inh} = Dose_{air} \times CPF \times ED/AT \times FAH$$

Where:

$Risk_{inh}$ = *inhalation cancer risk*
$Dose_{air}$ = *daily inhalation dose (mg/kg/day)*

CPF = *inhalation cancer potency factor (mg/kg/day^{-1})*
ED = *exposure duration for specified age group (years)*
AT = *averaging time (years)*
FAH = *fraction of time at home (unitless)*

Table 2 presents the carcinogenic risk estimate for the maximum exposed residential receptor. Attachment A, Tables A1 and A2, column b identify the predicted DPM concentration, columns f-h, present the URF, corresponding cancer potency factor and dose for each exposure scenario. The cancer risk estimate is presented in column i.

Table 2
Carcinogenic Risk / Maximum Exposed Residential Receptor

Age Group	Risk
Third Trimester	8.4E-08
0 to 2 years	1.5E-06
Total	**1.6E-06**

Note: 1.6E-06 denotes an excess case of cancer of 0.16 in one hundred thousand (100,000) individuals exposed.

As noted above, the cancer risk for the maximum exposed residential receptor is predicted to be below the significance threshold of one in one hundred thousand (1.0E-05).

An evaluation of the potential noncancer effects of DPM exposure was also conducted. Under the point estimate approach, adverse health effects are evaluated by comparing the pollutant concentration with the appropriate Reference Exposure Level (REL). The chronic REL presented in the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values* was considered in the assessment. There are no available acute/8-hour reference exposure levels for DPM.

To quantify noncarcinogenic impacts, the hazard index approach was used. The hazard index assumes that subthreshold exposures adversely affect a specific organ or organ system (i.e., toxicological endpoint). To calculate the hazard index, the pollutant concentration or dose is divided by its toxicity value. Should the total equal or exceed one (i.e., unity), a health hazard is presumed to exist. No exposure frequency or duration adjustments are considered for noncarcinogenic exposures.

For chronic noncarcinogenic effects, the hazard index for the respiratory endpoint totaled less than one for the maximum exposed residential receptor.

Table 3 presents the hazard index value for the maximum exposed residential receptor. Attachment A, Tables A1 and A2, column j presents the REL used in the evaluation of chronic noncarcinogenic exposure. The noncancer hazard index generated from off-road equipment activity is presented in column l.

Table 3
Noncarcinogenic Hazards / Maximum Exposed Residential Receptor

Receptor	Hazard
Residential	2.1E-02

Note: 2.1E-02 is commensurate with a numeric value of 0.021.

Conclusion

Based upon the predicted carcinogenic risk and noncarcinogenic hazard estimates for the residential exposure scenario, the HRA demonstrates that construction of the proposed project will not result in unacceptable localized impacts.

I can be reached at (818) 703-3294 should you have any questions or require additional information.

Sincerely,

Bill Piazza

Attachment A: Carcinogenic Risk/Noncarcinogenic Hazard Calculation Worksheet
Attachment B: Emission Calculation Worksheet
Attachment C: CalEEMod Output File
Attachment D: Dispersion Model Output File
Attachment E: List of References

ATTACHMENT A

Carcinogenic Risk/Noncarcinogenic Hazard Calculation Worksheet

Table A1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazard
Third Trimester Exposure Scenario / Maximum Exposed Residential Receptor

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazard		
					URF	CPF	DOSE	RISK	REL	RfD	RESP
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
On-Site Exhaust	0.10268	1.03E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.7E-05	8.4E-08	5.0E+00	1.4E-03	2.1E-02
TOTAL								8.4E-08			2.1E-02

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85

Table A2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazard
0 to 2 Year Exposure Scenario / Maximum Exposed Residential Receptor

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazard		
					URF	CPF	DOSE	RISK	REL	RfD	RESP
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
On-Site Exhaust	0.10268	1.03E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.0E-05	1.5E-06	5.0E+00	1.4E-03	2.1E-02
TOTAL								1.5E-06			2.1E-02

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	1.46
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85

ATTACHMENT B

Emission Calculation Worksheet

Emission Calculation Worksheet

Emissions	Phase	Start/End Dates	Lb/Day	# Days	Emissions
On-Site	Demolition	12/01/22 to 12/15/22	0.0460	11	0.5060
Exhaust PM 10	Site Preparation	12/16/22 to 12/29/22	0.0281	10	0.2810
	Grading	12/30/22 to 12/31/22	0.0421	1	0.0421
	Grading	01/01/23 to 03/23/23	0.0421	59	2.4839
	Building Construction	03/24/23 to 12/31/23	0.1617	201	32.5017
	Building Construction	01/01/24 to 05/16/24	0.1617	99	16.0083
	Paving	05/17/24 to 06/20/24	0.0213	25	0.5325
	Architectural Coating	06/21/24 to 08/15/24	0.00396	40	0.1584
				446	52.5139
	Average Daily Construction (Lb/Day)				0.1177

Exhaust PM10			Combustion mass	Combustion g/s/source
	Combustion Sources	80	0.1177	2.3180E-05

ATTACHMENT C

CalEEMod Output File

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Sunsert Blvd Commercial Project

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	36.86	1000sqft	0.85	36,861.00	0
Fast Food Restaurant w/o Drive Thru	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	4.57	1000sqft	0.10	4,573.00	0
Hardware/Paint Store	1.32	1000sqft	0.03	1,324.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	690.4	**CH4 Intensity (lb/MWhr)**	0.049	**N2O Intensity (lb/MWhr)**	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - New CalEEMod says non-default entered - not so

Land Use - HArdware/PAint store used as proxy for Apparel Store

Construction Phase - Schedule provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - To Chiquita Canyon landfill in Santa Clarita

Demolition -

Grading - Three level underground parking

Vehicle Trips - Trip rates from Sunset Jewel Box Memorandumm of Understanding. Omar Sarsour. April 2021.

Construction Off-road Equipment Mitigation - All equipment is at least Tier 4 Interim or better where applicable

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	200.00	300.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	4.00	60.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDays	2.00	10.00
tblGrading	AcresOfGrading	60.00	4.00
tblGrading	AcresOfGrading	9.38	1.88
tblGrading	MaterialExported	0.00	25,000.00
tblLandUse	LandUseSquareFeet	36,860.00	36,861.00
tblLandUse	LandUseSquareFeet	4,570.00	4,573.00
tblLandUse	LandUseSquareFeet	1,320.00	1,324.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.049
tblProjectCharacteristics	CO2IntensityFactor	691.98	690.4
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.007
tblTripsAndVMT	HaulingTripLength	20.00	36.00
tblVehicleTrips	ST_TR	696.00	1,649.15
tblVehicleTrips	ST_TR	9.14	66.40
tblVehicleTrips	SU_TR	500.00	1,184.73

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	9.14	66.40
tblVehicleTrips	WD_TR	346.23	820.38
tblVehicleTrips	WD_TR	9.14	66.40

2.0 Emissions Summary

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1768	34.3487	17.8809	0.0842	7.9253	0.9457	8.8710	3.8131	0.8743	4.6874	0.0000	8,883.8103	8,883.8103	1.1461	0.9970	9,209.5674
2023	1.7175	28.0143	15.0611	0.0808	7.9254	0.7579	8.6832	3.8131	0.7001	4.5132	0.0000	8,531.0160	8,531.0160	1.1388	0.9422	8,840.2492
2024	10.5631	11.9310	13.5483	0.0258	0.2125	0.4744	0.6869	0.0574	0.4585	0.5158	0.0000	2,354.1144	2,354.1144	0.4145	0.0234	2,369.8127
Maximum	**10.5631**	**34.3487**	**17.8809**	**0.0842**	**7.9254**	**0.9457**	**8.8710**	**3.8131**	**0.8743**	**4.6874**	**0.0000**	**8,883.8103**	**8,883.8103**	**1.1461**	**0.9970**	**9,209.5674**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8671	24.2276	19.9987	0.0842	4.1800	0.1596	4.3395	1.7849	0.1545	1.9393	0.0000	8,883.8103	8,883.8103	1.1461	0.9970	9,209.5674
2023	0.6288	20.6376	19.1626	0.0808	4.1800	0.1641	4.2998	1.7849	0.1640	1.9013	0.0000	8,531.0160	8,531.0160	1.1388	0.9422	8,840.2492
2024	10.4368	10.3073	14.0471	0.0258	0.2125	0.1641	0.3766	0.0574	0.1639	0.2213	0.0000	2,354.1144	2,354.1144	0.4145	0.0234	2,369.8127
Maximum	**10.4368**	**24.2276**	**19.9987**	**0.0842**	**4.1800**	**0.1641**	**4.3395**	**1.7849**	**0.1640**	**1.9393**	**0.0000**	**8,883.8103**	**8,883.8103**	**1.1461**	**0.9970**	**9,209.5674**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	17.46	25.74	-14.45	0.00	46.63	77.61	50.57	52.79	76.27	58.20	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0003	4.0000e-005	4.5600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.7900e-003	9.7900e-003	3.0000e-005		0.0104
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1697	611.1697	0.0117	0.0112	614.8016
Mobile	8.9597	8.3824	76.1445	0.1496	16.5713	0.1154	16.6868	4.4143	0.1072	4.5215		15,256.0082	15,256.0082	1.2511	0.7545	15,512.1219
Total	**10.0160**	**8.8917**	**76.5769**	**0.1526**	**16.5713**	**0.1542**	**16.7255**	**4.4143**	**0.1459**	**4.5602**		**15,867.1878**	**15,867.1878**	**1.2629**	**0.7657**	**16,126.9340**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0003	4.0000e-005	4.5600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.7900e-003	9.7900e-003	3.0000e-005		0.0104
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1697	611.1697	0.0117	0.0112	614.8016
Mobile	8.9597	8.3824	76.1445	0.1496	16.5713	0.1154	16.6868	4.4143	0.1072	4.5215		15,256.0082	15,256.0082	1.2511	0.7545	15,512.1219
Total	**10.0160**	**8.8917**	**76.5769**	**0.1526**	**16.5713**	**0.1542**	**16.7255**	**4.4143**	**0.1459**	**4.5602**		**15,867.1878**	**15,867.1878**	**1.2629**	**0.7657**	**16,126.9340**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2022	12/15/2022	5	11	
2	Site Preparation	Site Preparation	12/16/2022	12/29/2022	5	10	
3	Grading	Grading	12/30/2022	3/23/2023	5	60	
4	Building Construction	Building Construction	3/24/2023	5/16/2024	5	300	
5	Paving	Paving	5/17/2024	6/20/2024	5	25	
6	Architectural Coating	Architectural Coating	6/21/2024	8/15/2024	5	40	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 67,137; Non-Residential Outdoor: 22,379; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	34.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	3,125.00	14.70	6.90	36.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	15.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6746	0.0000	0.6746	0.1022	0.0000	0.1022			0.0000			0.0000
Off-Road	1.8914	18.3987	17.2156	0.0293		0.9238	0.9238		0.8619	0.8619		2,823.4321	2,823.4321	0.7538		2,842.2772
Total	**1.8914**	**18.3987**	**17.2156**	**0.0293**	**0.6746**	**0.9238**	**1.5985**	**0.1022**	**0.8619**	**0.9641**		**2,823.4321**	**2,823.4321**	**0.7538**		**2,842.2772**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0141	0.5402	0.1232	1.9200e-003	0.0541	3.8600e-003	0.0580	0.0148	3.7000e-003	0.0185		210.4832	210.4832	0.0112	0.0334	220.7145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0556	0.0419	0.5421	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		146.8205	146.8205	4.2700e-003	4.0100e-003	148.1225
Total	**0.0696**	**0.5820**	**0.6652**	**3.3700e-003**	**0.2218**	**4.9300e-003**	**0.2267**	**0.0593**	**4.6900e-003**	**0.0640**		**357.3037**	**357.3037**	**0.0154**	**0.0374**	**368.8370**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2631	0.0000	0.2631	0.0398	0.0000	0.0398			0.0000			0.0000
Off-Road	0.5265	10.8201	19.3335	0.0293		0.0460	0.0460		0.0460	0.0460	0.0000	2,823.4321	2,823.4321	0.7538		2,842.2772
Total	**0.5265**	**10.8201**	**19.3335**	**0.0293**	**0.2631**	**0.0460**	**0.3091**	**0.0398**	**0.0460**	**0.0858**	**0.0000**	**2,823.4321**	**2,823.4321**	**0.7538**		**2,842.2772**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0141	0.5402	0.1232	1.9200e-003	0.0541	3.8600e-003	0.0580	0.0148	3.7000e-003	0.0185		210.4832	210.4832	0.0112	0.0334	220.7145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0556	0.0419	0.5421	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		146.8205	146.8205	4.2700e-003	4.0100e-003	148.1225
Total	**0.0696**	**0.5820**	**0.6652**	**3.3700e-003**	**0.2218**	**4.9300e-003**	**0.2267**	**0.0593**	**4.6900e-003**	**0.0640**		**357.3037**	**357.3037**	**0.0154**	**0.0374**	**368.8370**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4687	0.0000	5.4687	2.9180	0.0000	2.9180			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	**1.3122**	**14.6277**	**7.0939**	**0.0172**	**5.4687**	**0.6225**	**6.0912**	**2.9180**	**0.5727**	**3.4907**		**1,666.1738**	**1,666.1738**	**0.5389**		**1,679.6457**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2891	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.3043	78.3043	2.2800e-003	2.1400e-003	78.9987
Total	**0.0296**	**0.0223**	**0.2891**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.3043**	**78.3043**	**2.2800e-003**	**2.1400e-003**	**78.9987**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1328	0.0000	2.1328	1.1380	0.0000	1.1380			0.0000			0.0000
Off-Road	0.2998	5.0659	9.8221	0.0172		0.0281	0.0281		0.0281	0.0281	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	**0.2998**	**5.0659**	**9.8221**	**0.0172**	**2.1328**	**0.0281**	**2.1609**	**1.1380**	**0.0281**	**1.1661**	**0.0000**	**1,666.1738**	**1,666.1738**	**0.5389**		**1,679.6457**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2891	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.3043	78.3043	2.2800e-003	2.1400e-003	78.9987
Total	**0.0296**	**0.0223**	**0.2891**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.3043**	**78.3043**	**2.2800e-003**	**2.1400e-003**	**78.9987**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1399	0.0000	6.1399	3.3250	0.0000	3.3250			0.0000			0.0000
Off-Road	1.7428	18.7606	12.4753	0.0258		0.8282	0.8282		0.7619	0.7619		2,495.4977	2,495.4977	0.8071		2,515.6751
Total	**1.7428**	**18.7606**	**12.4753**	**0.0258**	**6.1399**	**0.8282**	**6.9681**	**3.3250**	**0.7619**	**4.0869**		**2,495.4977**	**2,495.4977**	**0.8071**		**2,515.6751**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3859	15.5518	3.1315	0.0571	1.6401	0.1165	1.7566	0.4496	0.1115	0.5611		6,261.0681	6,261.0681	0.3353	0.9935	6,565.5195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.4341**	**15.5881**	**3.6013**	**0.0584**	**1.7854**	**0.1175**	**1.9029**	**0.4881**	**0.1124**	**0.6005**		**6,388.3126**	**6,388.3126**	**0.3390**	**0.9970**	**6,693.8923**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3946	0.0000	2.3946	1.2968	0.0000	1.2968			0.0000			0.0000
Off-Road	0.4330	8.6395	16.0630	0.0258		0.0421	0.0421		0.0421	0.0421	0.0000	2,495.4977	2,495.4977	0.8071		2,515.6751
Total	**0.4330**	**8.6395**	**16.0630**	**0.0258**	**2.3946**	**0.0421**	**2.4367**	**1.2968**	**0.0421**	**1.3388**	**0.0000**	**2,495.4977**	**2,495.4977**	**0.8071**		**2,515.6751**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3859	15.5518	3.1315	0.0571	1.6401	0.1165	1.7566	0.4496	0.1115	0.5611		6,261.0681	6,261.0681	0.3353	0.9935	6,565.5195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.4341**	**15.5881**	**3.6013**	**0.0584**	**1.7854**	**0.1175**	**1.9029**	**0.4881**	**0.1124**	**0.6005**		**6,388.3126**	**6,388.3126**	**0.3390**	**0.9970**	**6,693.8923**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1399	0.0000	6.1399	3.3250	0.0000	3.3250			0.0000			0.0000
Off-Road	1.5217	16.0163	11.9615	0.0258		0.6802	0.6802		0.6257	0.6257		2,495.7204	2,495.7204	0.8072		2,515.8995
Total	**1.5217**	**16.0163**	**11.9615**	**0.0258**	**6.1399**	**0.6802**	**6.8201**	**3.3250**	**0.6257**	**3.9507**		**2,495.7204**	**2,495.7204**	**0.8072**		**2,515.8995**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1511	11.9660	2.6677	0.0538	1.6401	0.0769	1.7170	0.4496	0.0735	0.5231		5,912.1397	5,912.1397	0.3283	0.9390	6,200.1556
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0320	0.4318	1.2200e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		123.1560	123.1560	3.3200e-003	3.2000e-003	124.1941
Total	**0.1958**	**11.9981**	**3.0996**	**0.0550**	**1.7854**	**0.0777**	**1.8632**	**0.4881**	**0.0743**	**0.5625**		**6,035.2957**	**6,035.2957**	**0.3316**	**0.9422**	**6,324.3497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3946	0.0000	2.3946	1.2968	0.0000	1.2968			0.0000			0.0000
Off-Road	0.4330	8.6395	16.0630	0.0258		0.0421	0.0421		0.0421	0.0421	0.0000	2,495.7204	2,495.7204	0.8072		2,515.8995
Total	**0.4330**	**8.6395**	**16.0630**	**0.0258**	**2.3946**	**0.0421**	**2.4367**	**1.2968**	**0.0421**	**1.3388**	**0.0000**	**2,495.7204**	**2,495.7204**	**0.8072**		**2,515.8995**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1511	11.9660	2.6677	0.0538	1.6401	0.0769	1.7170	0.4496	0.0735	0.5231		5,912.1397	5,912.1397	0.3283	0.9390	6,200.1556
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0320	0.4318	1.2200e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		123.1560	123.1560	3.3200e-003	3.2000e-003	124.1941
Total	**0.1958**	**11.9981**	**3.0996**	**0.0550**	**1.7854**	**0.0777**	**1.8632**	**0.4881**	**0.0743**	**0.5625**		**6,035.2957**	**6,035.2957**	**0.3316**	**0.9422**	**6,324.3497**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	12.2627	13.0736	0.0231		0.5360	0.5360		0.5183	0.5183		2,077.5622	2,077.5622	0.3478		2,086.2569
Total	**1.6114**	**12.2627**	**13.0736**	**0.0231**		**0.5360**	**0.5360**		**0.5183**	**0.5183**		**2,077.5622**	**2,077.5622**	**0.3478**		**2,086.2569**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7800e-003	0.2813	0.1074	1.3100e-003	0.0448	1.3600e-003	0.0462	0.0129	1.3000e-003	0.0142		140.4342	140.4342	4.6800e-003	0.0202	146.5738
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0594**	**0.3183**	**0.6056**	**2.7200e-003**	**0.2125**	**2.3700e-003**	**0.2149**	**0.0574**	**2.2300e-003**	**0.0596**		**282.5373**	**282.5373**	**8.5100e-003**	**0.0239**	**289.8746**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4010	9.9925	13.4786	0.0231		0.1617	0.1617		0.1617	0.1617	0.0000	2,077.5622	2,077.5622	0.3478		2,086.2569
Total	**0.4010**	**9.9925**	**13.4786**	**0.0231**		**0.1617**	**0.1617**		**0.1617**	**0.1617**	**0.0000**	**2,077.5622**	**2,077.5622**	**0.3478**		**2,086.2569**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7800e-003	0.2813	0.1074	1.3100e-003	0.0448	1.3600e-003	0.0462	0.0129	1.3000e-003	0.0142		140.4342	140.4342	4.6800e-003	0.0202	146.5738
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0594**	**0.3183**	**0.6056**	**2.7200e-003**	**0.2125**	**2.3700e-003**	**0.2149**	**0.0574**	**2.2300e-003**	**0.0596**		**282.5373**	**282.5373**	**8.5100e-003**	**0.0239**	**289.8746**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5081	11.6161	12.9797	0.0231		0.4721	0.4721		0.4563	0.4563		2,077.6959	2,077.6959	0.3413		2,086.2274
Total	**1.5081**	**11.6161**	**12.9797**	**0.0231**		**0.4721**	**0.4721**		**0.4563**	**0.4563**		**2,077.6959**	**2,077.6959**	**0.3413**		**2,086.2274**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5200e-003	0.2819	0.1051	1.2800e-003	0.0448	1.3700e-003	0.0462	0.0129	1.3100e-003	0.0142		138.3300	138.3300	4.6900e-003	0.0199	144.3857
Worker	0.0482	0.0330	0.4634	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0884	138.0884	3.4700e-003	3.4400e-003	139.1997
Total	**0.0557**	**0.3149**	**0.5685**	**2.6500e-003**	**0.2125**	**2.3400e-003**	**0.2148**	**0.0574**	**2.2000e-003**	**0.0596**		**276.4185**	**276.4185**	**8.1600e-003**	**0.0234**	**283.5853**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4010	9.9925	13.4786	0.0231		0.1617	0.1617		0.1617	0.1617	0.0000	2,077.6959	2,077.6959	0.3413		2,086.2274
Total	**0.4010**	**9.9925**	**13.4786**	**0.0231**		**0.1617**	**0.1617**		**0.1617**	**0.1617**	**0.0000**	**2,077.6959**	**2,077.6959**	**0.3413**		**2,086.2274**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5200e-003	0.2819	0.1051	1.2800e-003	0.0448	1.3700e-003	0.0462	0.0129	1.3100e-003	0.0142		138.3300	138.3300	4.6900e-003	0.0199	144.3857
Worker	0.0482	0.0330	0.4634	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0884	138.0884	3.4700e-003	3.4400e-003	139.1997
Total	**0.0557**	**0.3149**	**0.5685**	**2.6500e-003**	**0.2125**	**2.3400e-003**	**0.2148**	**0.0574**	**2.2000e-003**	**0.0596**		**276.4185**	**276.4185**	**8.1600e-003**	**0.0234**	**283.5853**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4016	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397
Total	**0.0418**	**0.0286**	**0.4016**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**119.6767**	**119.6767**	**3.0100e-003**	**2.9800e-003**	**120.6397**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2149	5.7133	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2149**	**5.7133**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4016	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397
Total	**0.0418**	**0.0286**	**0.4016**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**119.6767**	**119.6767**	**3.0100e-003**	**2.9800e-003**	**120.6397**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.3727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**10.5534**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Sunsert Blvd Commercial Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6400e-003	6.6000e-003	0.0927	2.7000e-004	0.0335	1.9000e-004	0.0337	8.8900e-003	1.8000e-004	9.0700e-003		27.6177	27.6177	6.9000e-004	6.9000e-004	27.8399
Total	**9.6400e-003**	**6.6000e-003**	**0.0927**	**2.7000e-004**	**0.0335**	**1.9000e-004**	**0.0337**	**8.8900e-003**	**1.8000e-004**	**9.0700e-003**		**27.6177**	**27.6177**	**6.9000e-004**	**6.9000e-004**	**27.8399**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.3727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0545	1.0598	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**10.4272**	**1.0598**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6400e-003	6.6000e-003	0.0927	2.7000e-004	0.0335	1.9000e-004	0.0337	8.8900e-003	1.8000e-004	9.0700e-003		27.6177	27.6177	6.9000e-004	6.9000e-004	27.8399
Total	**9.6400e-003**	**6.6000e-003**	**0.0927**	**2.7000e-004**	**0.0335**	**1.9000e-004**	**0.0337**	**8.8900e-003**	**1.8000e-004**	**9.0700e-003**		**27.6177**	**27.6177**	**6.9000e-004**	**6.9000e-004**	**27.8399**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

ATTACHMENT D

Dispersion Model Output File

```
**BEE-Line Software:  (Version 12.07) data input file
**  Model: AERMOD.EXE     Input File Creation Date: 5/4/2022  Time: 6:33:41 PM
NO ECHO




 *** 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     522       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     522       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** AERMOD - VERSION 21112  ***   *** 9176 Sunset Boulevard                                              ***        05/04/22
*** AERMET - VERSION  16216 ***   *** Particulates (DPM) / Construction                                  ***        18:33:43
                                                                                                                  PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for    80 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000 m

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

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes:     80 Source(s);       1 Source Group(s); and     249 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     80 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)

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

**The AERMET Input Meteorological Data Version Date: 16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 53.00 ; 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: F:\WD Passport\9176 sunset\model\SETUP1_2012-2016_OTHER.DTA
**Output Print File: F:\WD Passport\9176 sunset\model\SETUP1_2012-2016_OTHER.LST

**File for Summary of Results: F:\WD Passport\9176 sunset\model\SETUP1_2012-2016_OTHER.SUM

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
C_1	0	0.23180E-04	371614.8	3773030.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_2	0	0.23180E-04	371619.2	3773030.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_3	0	0.23180E-04	371623.8	3773030.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_4	0	0.23180E-04	371578.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_5	0	0.23180E-04	371583.2	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_6	0	0.23180E-04	371587.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_7	0	0.23180E-04	371592.2	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_8	0	0.23180E-04	371596.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_9	0	0.23180E-04	371601.2	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_10	0	0.23180E-04	371605.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_11	0	0.23180E-04	371610.2	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_12	0	0.23180E-04	371614.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_13	0	0.23180E-04	371619.2	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_14	0	0.23180E-04	371623.8	3773034.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_15	0	0.23180E-04	371578.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_16	0	0.23180E-04	371583.2	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_17	0	0.23180E-04	371587.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_18	0	0.23180E-04	371592.2	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_19	0	0.23180E-04	371596.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_20	0	0.23180E-04	371601.2	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_21	0	0.23180E-04	371605.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_22	0	0.23180E-04	371610.2	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_23	0	0.23180E-04	371614.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_24	0	0.23180E-04	371619.2	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_25	0	0.23180E-04	371623.8	3773039.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_26	0	0.23180E-04	371578.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_27	0	0.23180E-04	371583.2	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_28	0	0.23180E-04	371587.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_29	0	0.23180E-04	371592.2	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_30	0	0.23180E-04	371596.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_31	0	0.23180E-04	371601.2	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_32	0	0.23180E-04	371605.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_33	0	0.23180E-04	371610.2	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_34	0	0.23180E-04	371614.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY

C_35	0	0.23180E-04	371619.2	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_36	0	0.23180E-04	371623.8	3773043.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_37	0	0.23180E-04	371578.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_38	0	0.23180E-04	371583.2	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_39	0	0.23180E-04	371587.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_40	0	0.23180E-04	371592.2	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
C_41	0	0.23180E-04	371596.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_42	0	0.23180E-04	371601.2	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_43	0	0.23180E-04	371605.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_44	0	0.23180E-04	371610.2	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_45	0	0.23180E-04	371614.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_46	0	0.23180E-04	371619.2	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_47	0	0.23180E-04	371623.8	3773048.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_48	0	0.23180E-04	371578.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_49	0	0.23180E-04	371583.2	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_50	0	0.23180E-04	371587.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_51	0	0.23180E-04	371592.2	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_52	0	0.23180E-04	371596.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_53	0	0.23180E-04	371601.2	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_54	0	0.23180E-04	371605.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_55	0	0.23180E-04	371610.2	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_56	0	0.23180E-04	371614.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_57	0	0.23180E-04	371619.2	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_58	0	0.23180E-04	371623.8	3773052.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_59	0	0.23180E-04	371578.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_60	0	0.23180E-04	371583.2	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_61	0	0.23180E-04	371587.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_62	0	0.23180E-04	371592.2	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_63	0	0.23180E-04	371596.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_64	0	0.23180E-04	371601.2	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_65	0	0.23180E-04	371605.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_66	0	0.23180E-04	371610.2	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_67	0	0.23180E-04	371614.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_68	0	0.23180E-04	371619.2	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_69	0	0.23180E-04	371623.8	3773057.2	126.7	5.00	2.09	1.40	YES	HROFDY
C_70	0	0.23180E-04	371578.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_71	0	0.23180E-04	371583.2	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_72	0	0.23180E-04	371587.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_73	0	0.23180E-04	371592.2	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_74	0	0.23180E-04	371596.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_75	0	0.23180E-04	371601.2	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_76	0	0.23180E-04	371605.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_77	0	0.23180E-04	371610.2	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_78	0	0.23180E-04	371614.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_79	0	0.23180E-04	371619.2	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY
C_80	0	0.23180E-04	371623.8	3773061.8	126.7	5.00	2.09	1.40	YES	HROFDY

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	C_1 , C_2 , C_3 , C_4 , C_5 , C_6 , C_7 , C_8 ,
	C_9 , C_10 , C_11 , C_12 , C_13 , C_14 , C_15 , C_16 ,

C_17 , C_18 , C_19 , C_20 , C_21 , C_22 , C_23 , C_24 ,

C_25 , C_26 , C_27 , C_28 , C_29 , C_30 , C_31 , C_32 ,

C_33 , C_34 , C_35 , C_36 , C_37 , C_38 , C_39 , C_40 ,

C_41 , C_42 , C_43 , C_44 , C_45 , C_46 , C_47 , C_48 ,

C_49 , C_50 , C_51 , C_52 , C_53 , C_54 , C_55 , C_56 ,

C_57 , C_58 , C_59 , C_60 , C_61 , C_62 , C_63 , C_64 ,

C_65 , C_66 , C_67 , C_68 , C_69 , C_70 , C_71 , C_72 ,

C_73 , C_74 , C_75 , C_76 , C_77 , C_78 , C_79 , C_80 ,

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

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

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	C_1 , C_2 , C_3 , C_4 , C_5 , C_6 , C_7 , C_8 ,
		C_9 , C_10 , C_11 , C_12 , C_13 , C_14 , C_15 , C_16 ,
		C_17 , C_18 , C_19 , C_20 , C_21 , C_22 , C_23 , C_24 ,
		C_25 , C_26 , C_27 , C_28 , C_29 , C_30 , C_31 , C_32 ,
		C_33 , C_34 , C_35 , C_36 , C_37 , C_38 , C_39 , C_40 ,
		C_41 , C_42 , C_43 , C_44 , C_45 , C_46 , C_47 , C_48 ,
		C_49 , C_50 , C_51 , C_52 , C_53 , C_54 , C_55 , C_56 ,
		C_57 , C_58 , C_59 , C_60 , C_61 , C_62 , C_63 , C_64 ,
		C_65 , C_66 , C_67 , C_68 , C_69 , C_70 , C_71 , C_72 ,
		C_73 , C_74 , C_75 , C_76 , C_77 , C_78 , C_79 , C_80 ,

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_1 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_2 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_3 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01

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     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_4          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_5          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

*** AERMOD - VERSION 21112  ***   *** 9176 Sunset Boulevard                                                ***        05/04/22
*** AERMET - VERSION  16216 ***   *** Particulates (DPM) / Construction                                    ***        18:33:43
                                                                                                                    PAGE   7
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                        * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = C_6          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_7          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_8          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_9          ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_10         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

*** AERMOD - VERSION 21112  ***   *** 9176 Sunset Boulevard                                                ***        05/04/22
*** AERMET - VERSION  16216 ***   *** Particulates (DPM) / Construction                                    ***        18:33:43
                                                                                                                    PAGE   8
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                        * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = C_11         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
```

19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_12 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_13 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_14 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_15 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_16 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_17 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_18 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_19 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

SOURCE ID = C_20 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00				

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_21 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_22 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_23 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_24 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_25 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_26 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_27 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_28 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_29 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00

```
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_30         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

*** AERMOD - VERSION 21112  ***   *** 9176 Sunset Boulevard                                                  ***        05/04/22
*** AERMET - VERSION  16216 ***   *** Particulates (DPM) / Construction                                      ***        18:33:43
                                                                                                                      PAGE  12
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                        * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = C_31         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_32         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_33         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_34         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_35         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

*** AERMOD - VERSION 21112  ***   *** 9176 Sunset Boulevard                                                  ***        05/04/22
*** AERMET - VERSION  16216 ***   *** Particulates (DPM) / Construction                                      ***        18:33:43
                                                                                                                      PAGE  13
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                        * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = C_36         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .00000E+00     18   .00000E+00
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


SOURCE ID = C_37         ; SOURCE TYPE = VOLUME   :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
```

13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_38 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_39 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_40 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_41 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_42 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_43 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_44 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_45 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_46 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_47 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_48 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_49 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_50 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_51 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_52 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_53 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_54 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_55 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00

19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = C_56 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_57 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_58 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_59 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_60 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = C_61 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_62 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_63 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_64 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_65 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_66 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_67 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_68 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_69 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_70 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_71 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_72 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_73 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_74 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_75 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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

SOURCE ID = C_76 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_77 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_78 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_79 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = C_80 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(371656.0,	3772896.0,	113.0,	477.7,	2.0);	(371644.0,	3772902.0,	113.8,	477.7,	2.0);
(371650.0,	3772902.0,	113.9,	477.7,	2.0);	(371656.0,	3772902.0,	113.8,	477.7,	2.0);
(371626.0,	3772908.0,	114.1,	477.7,	2.0);	(371632.0,	3772908.0,	114.2,	477.7,	2.0);
(371638.0,	3772908.0,	114.3,	477.7,	2.0);	(371644.0,	3772908.0,	114.4,	477.7,	2.0);
(371650.0,	3772908.0,	114.5,	477.7,	2.0);	(371656.0,	3772908.0,	114.4,	477.7,	2.0);
(371614.0,	3772914.0,	114.5,	477.7,	2.0);	(371620.0,	3772914.0,	114.6,	477.7,	2.0);
(371626.0,	3772914.0,	114.6,	477.7,	2.0);	(371632.0,	3772914.0,	114.8,	477.7,	2.0);
(371638.0,	3772914.0,	114.9,	477.7,	2.0);	(371644.0,	3772914.0,	115.0,	477.7,	2.0);
(371650.0,	3772914.0,	115.1,	477.7,	2.0);	(371656.0,	3772914.0,	115.0,	477.7,	2.0);
(371596.0,	3772920.0,	114.8,	477.7,	2.0);	(371602.0,	3772920.0,	115.0,	477.7,	2.0);
(371608.0,	3772920.0,	115.0,	477.7,	2.0);	(371614.0,	3772920.0,	115.1,	477.7,	2.0);
(371620.0,	3772920.0,	115.2,	477.7,	2.0);	(371626.0,	3772920.0,	115.2,	477.7,	2.0);
(371632.0,	3772920.0,	115.3,	477.7,	2.0);	(371638.0,	3772920.0,	115.4,	477.7,	2.0);
(371644.0,	3772920.0,	115.5,	477.7,	2.0);	(371650.0,	3772920.0,	115.7,	477.7,	2.0);
(371656.0,	3772920.0,	115.5,	477.7,	2.0);	(371578.0,	3772926.0,	114.9,	477.7,	2.0);
(371584.0,	3772926.0,	115.1,	477.7,	2.0);	(371590.0,	3772926.0,	115.3,	477.7,	2.0);
(371596.0,	3772926.0,	115.5,	477.7,	2.0);	(371602.0,	3772926.0,	115.6,	477.7,	2.0);
(371608.0,	3772926.0,	115.7,	477.7,	2.0);	(371614.0,	3772926.0,	115.7,	477.7,	2.0);
(371620.0,	3772926.0,	115.7,	477.7,	2.0);	(371626.0,	3772926.0,	115.8,	477.7,	2.0);
(371632.0,	3772926.0,	115.9,	477.7,	2.0);	(371638.0,	3772926.0,	116.0,	477.7,	2.0);
(371644.0,	3772926.0,	116.1,	477.7,	2.0);	(371650.0,	3772926.0,	116.2,	477.7,	2.0);
(371656.0,	3772926.0,	116.1,	477.7,	2.0);	(371578.0,	3772932.0,	115.6,	477.7,	2.0);
(371584.0,	3772932.0,	115.8,	477.7,	2.0);	(371590.0,	3772932.0,	116.0,	477.7,	2.0);
(371596.0,	3772932.0,	116.1,	477.7,	2.0);	(371602.0,	3772932.0,	116.3,	477.7,	2.0);
(371608.0,	3772932.0,	116.3,	477.7,	2.0);	(371614.0,	3772932.0,	116.3,	477.7,	2.0);
(371620.0,	3772932.0,	116.3,	477.7,	2.0);	(371626.0,	3772932.0,	116.3,	477.7,	2.0);
(371632.0,	3772932.0,	116.5,	477.7,	2.0);	(371638.0,	3772932.0,	116.6,	477.7,	2.0);
(371644.0,	3772932.0,	116.7,	477.7,	2.0);	(371650.0,	3772932.0,	116.8,	477.7,	2.0);
(371656.0,	3772932.0,	116.7,	477.7,	2.0);	(371578.0,	3772938.0,	116.1,	477.7,	2.0);
(371584.0,	3772938.0,	116.3,	477.7,	2.0);	(371590.0,	3772938.0,	116.5,	477.7,	2.0);
(371596.0,	3772938.0,	116.6,	477.7,	2.0);	(371602.0,	3772938.0,	116.8,	477.7,	2.0);
(371608.0,	3772938.0,	116.8,	477.7,	2.0);	(371614.0,	3772938.0,	116.8,	477.7,	2.0);
(371620.0,	3772938.0,	116.9,	477.7,	2.0);	(371626.0,	3772938.0,	116.9,	477.7,	2.0);
(371632.0,	3772938.0,	117.0,	477.7,	2.0);	(371638.0,	3772938.0,	117.1,	477.7,	2.0);
(371644.0,	3772938.0,	117.2,	477.7,	2.0);	(371650.0,	3772938.0,	117.3,	477.7,	2.0);
(371656.0,	3772938.0,	117.2,	477.7,	2.0);	(371578.0,	3772944.0,	116.6,	477.7,	2.0);
(371584.0,	3772944.0,	116.7,	477.7,	2.0);	(371590.0,	3772944.0,	116.9,	477.7,	2.0);
(371596.0,	3772944.0,	117.1,	477.7,	2.0);	(371602.0,	3772944.0,	117.3,	477.7,	2.0);
(371608.0,	3772944.0,	117.3,	477.7,	2.0);	(371614.0,	3772944.0,	117.4,	477.7,	2.0);
(371620.0,	3772944.0,	117.4,	477.7,	2.0);	(371626.0,	3772944.0,	117.5,	477.7,	2.0);
(371632.0,	3772944.0,	117.6,	477.7,	2.0);	(371638.0,	3772944.0,	117.7,	477.7,	2.0);
(371644.0,	3772944.0,	117.8,	477.7,	2.0);	(371650.0,	3772944.0,	117.9,	477.7,	2.0);
(371656.0,	3772944.0,	117.7,	477.7,	2.0);	(371578.0,	3772950.0,	117.0,	477.7,	2.0);
(371584.0,	3772950.0,	117.2,	477.7,	2.0);	(371590.0,	3772950.0,	117.4,	477.7,	2.0);
(371596.0,	3772950.0,	117.6,	477.7,	2.0);	(371602.0,	3772950.0,	117.8,	477.7,	2.0);

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

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

(371608.0,	3772950.0,	117.8,	477.7,	2.0);	(371614.0,	3772950.0,	117.9,	477.7,	2.0);
(371620.0,	3772950.0,	118.0,	477.7,	2.0);	(371626.0,	3772950.0,	118.1,	477.7,	2.0);
(371632.0,	3772950.0,	118.2,	477.7,	2.0);	(371638.0,	3772950.0,	118.2,	477.7,	2.0);
(371644.0,	3772950.0,	118.3,	477.7,	2.0);	(371650.0,	3772950.0,	118.4,	477.7,	2.0);
(371656.0,	3772950.0,	118.3,	477.7,	2.0);	(371578.0,	3772956.0,	117.5,	477.7,	2.0);
(371584.0,	3772956.0,	117.7,	477.7,	2.0);	(371590.0,	3772956.0,	117.9,	477.7,	2.0);
(371596.0,	3772956.0,	118.1,	477.7,	2.0);	(371602.0,	3772956.0,	118.2,	477.7,	2.0);
(371608.0,	3772956.0,	118.3,	477.7,	2.0);	(371614.0,	3772956.0,	118.5,	477.7,	2.0);
(371620.0,	3772956.0,	118.6,	477.7,	2.0);	(371626.0,	3772956.0,	118.7,	477.7,	2.0);
(371632.0,	3772956.0,	118.7,	477.7,	2.0);	(371638.0,	3772956.0,	118.8,	477.7,	2.0);
(371644.0,	3772956.0,	118.9,	477.7,	2.0);	(371650.0,	3772956.0,	118.9,	477.7,	2.0);
(371656.0,	3772956.0,	118.8,	477.7,	2.0);	(371578.0,	3772962.0,	118.0,	477.7,	2.0);
(371584.0,	3772962.0,	118.2,	477.7,	2.0);	(371590.0,	3772962.0,	118.4,	477.7,	2.0);
(371596.0,	3772962.0,	118.6,	477.7,	2.0);	(371602.0,	3772962.0,	118.7,	477.7,	2.0);
(371608.0,	3772962.0,	118.9,	477.7,	2.0);	(371614.0,	3772962.0,	119.0,	477.7,	2.0);
(371620.0,	3772962.0,	119.1,	477.7,	2.0);	(371626.0,	3772962.0,	119.2,	477.7,	2.0);
(371632.0,	3772962.0,	119.3,	477.7,	2.0);	(371638.0,	3772962.0,	119.3,	477.7,	2.0);
(371644.0,	3772962.0,	119.4,	477.7,	2.0);	(371650.0,	3772962.0,	119.5,	477.7,	2.0);

(371656.0, 3772962.0, 119.3, 477.7, 2.0); (371578.0, 3772968.0, 118.5, 477.7, 2.0);
(371584.0, 3772968.0, 118.7, 477.7, 2.0); (371590.0, 3772968.0, 118.9, 477.7, 2.0);
(371596.0, 3772968.0, 119.1, 477.7, 2.0); (371602.0, 3772968.0, 119.3, 477.7, 2.0);
(371608.0, 3772968.0, 119.4, 477.7, 2.0); (371614.0, 3772968.0, 119.5, 477.7, 2.0);
(371620.0, 3772968.0, 119.6, 477.7, 2.0); (371626.0, 3772968.0, 119.7, 477.7, 2.0);
(371632.0, 3772968.0, 119.8, 477.7, 2.0); (371638.0, 3772968.0, 119.8, 477.7, 2.0);
(371644.0, 3772968.0, 119.8, 477.7, 2.0); (371650.0, 3772968.0, 119.9, 477.7, 2.0);
(371656.0, 3772968.0, 119.8, 477.7, 2.0); (371578.0, 3772974.0, 119.1, 477.7, 2.0);
(371584.0, 3772974.0, 119.3, 477.7, 2.0); (371590.0, 3772974.0, 119.5, 477.7, 2.0);
(371596.0, 3772974.0, 119.7, 477.7, 2.0); (371602.0, 3772974.0, 119.9, 477.7, 2.0);
(371608.0, 3772974.0, 120.0, 477.7, 2.0); (371614.0, 3772974.0, 120.0, 477.7, 2.0);
(371620.0, 3772974.0, 120.1, 477.7, 2.0); (371626.0, 3772974.0, 120.2, 477.7, 2.0);
(371632.0, 3772974.0, 120.2, 477.7, 2.0); (371638.0, 3772974.0, 120.2, 477.7, 2.0);
(371644.0, 3772974.0, 120.2, 477.7, 2.0); (371650.0, 3772974.0, 120.3, 477.7, 2.0);
(371656.0, 3772974.0, 120.2, 477.7, 2.0); (371578.0, 3772980.0, 119.6, 477.7, 2.0);
(371584.0, 3772980.0, 119.8, 477.7, 2.0); (371590.0, 3772980.0, 120.0, 477.7, 2.0);
(371596.0, 3772980.0, 120.3, 477.7, 2.0); (371602.0, 3772980.0, 120.4, 477.7, 2.0);
(371608.0, 3772980.0, 120.5, 477.7, 2.0); (371614.0, 3772980.0, 120.6, 477.7, 2.0);
(371620.0, 3772980.0, 120.6, 477.7, 2.0); (371626.0, 3772980.0, 120.7, 477.7, 2.0);
(371632.0, 3772980.0, 120.7, 477.7, 2.0); (371638.0, 3772980.0, 120.7, 477.7, 2.0);
(371644.0, 3772980.0, 120.7, 477.7, 2.0); (371650.0, 3772980.0, 120.7, 477.7, 2.0);
(371656.0, 3772980.0, 120.6, 477.7, 2.0); (371578.0, 3772986.0, 120.1, 477.7, 2.0);
(371584.0, 3772986.0, 120.4, 477.7, 2.0); (371590.0, 3772986.0, 120.6, 477.7, 2.0);
(371596.0, 3772986.0, 120.8, 477.7, 2.0); (371602.0, 3772986.0, 121.0, 477.7, 2.0);
(371608.0, 3772986.0, 121.1, 477.7, 2.0); (371614.0, 3772986.0, 121.1, 477.7, 2.0);
(371620.0, 3772986.0, 121.1, 477.7, 2.0); (371626.0, 3772986.0, 121.2, 477.7, 2.0);
(371632.0, 3772986.0, 121.1, 477.7, 2.0); (371638.0, 3772986.0, 121.1, 477.7, 2.0);

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

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

(371644.0, 3772986.0, 121.1, 477.7, 2.0); (371650.0, 3772986.0, 121.1, 477.7, 2.0);
(371656.0, 3772986.0, 121.0, 477.7, 2.0); (371578.0, 3772992.0, 120.7, 477.7, 2.0);
(371584.0, 3772992.0, 120.9, 477.7, 2.0); (371590.0, 3772992.0, 121.1, 477.7, 2.0);
(371596.0, 3772992.0, 121.4, 477.7, 2.0); (371602.0, 3772992.0, 121.6, 477.7, 2.0);
(371608.0, 3772992.0, 121.6, 477.7, 2.0); (371614.0, 3772992.0, 121.6, 477.7, 2.0);
(371620.0, 3772992.0, 121.6, 477.7, 2.0); (371626.0, 3772992.0, 121.7, 477.7, 2.0);
(371632.0, 3772992.0, 121.6, 477.7, 2.0); (371638.0, 3772992.0, 121.6, 477.7, 2.0);
(371644.0, 3772992.0, 121.5, 477.7, 2.0); (371650.0, 3772992.0, 121.5, 477.7, 2.0);
(371656.0, 3772992.0, 121.4, 477.7, 2.0); (371578.0, 3772998.0, 121.2, 477.7, 2.0);
(371584.0, 3772998.0, 121.5, 477.7, 2.0); (371590.0, 3772998.0, 121.7, 477.7, 2.0);
(371596.0, 3772998.0, 122.0, 477.7, 2.0); (371602.0, 3772998.0, 122.2, 477.7, 2.0);
(371608.0, 3772998.0, 122.2, 477.7, 2.0); (371614.0, 3772998.0, 122.2, 477.7, 2.0);
(371620.0, 3772998.0, 122.2, 477.7, 2.0); (371626.0, 3772998.0, 122.2, 477.7, 2.0);
(371632.0, 3772998.0, 122.2, 477.7, 2.0); (371638.0, 3772998.0, 122.1, 477.7, 2.0);
(371644.0, 3772998.0, 122.1, 477.7, 2.0); (371650.0, 3772998.0, 122.0, 477.7, 2.0);
(371656.0, 3772998.0, 122.0, 477.7, 2.0); (371578.0, 3773004.0, 121.8, 477.7, 2.0);
(371584.0, 3773004.0, 122.0, 477.7, 2.0); (371590.0, 3773004.0, 122.3, 477.7, 2.0);
(371596.0, 3773004.0, 122.6, 477.7, 2.0); (371602.0, 3773004.0, 122.8, 477.7, 2.0);
(371608.0, 3773004.0, 122.8, 477.7, 2.0); (371614.0, 3773004.0, 122.8, 477.7, 2.0);
(371620.0, 3773004.0, 122.8, 477.7, 2.0); (371626.0, 3773004.0, 122.8, 477.7, 2.0);
(371632.0, 3773004.0, 122.8, 477.7, 2.0); (371638.0, 3773004.0, 122.7, 477.7, 2.0);
(371644.0, 3773004.0, 122.7, 477.7, 2.0); (371650.0, 3773004.0, 122.6, 477.7, 2.0);
(371656.0, 3773004.0, 122.6, 477.7, 2.0); (371614.0, 3773010.0, 123.4, 477.7, 2.0);
(371620.0, 3773010.0, 123.4, 477.7, 2.0); (371626.0, 3773010.0, 123.4, 477.7, 2.0);
(371632.0, 3773010.0, 123.4, 477.7, 2.0); (371638.0, 3773010.0, 123.3, 477.7, 2.0);
(371644.0, 3773010.0, 123.3, 477.7, 2.0); (371650.0, 3773010.0, 123.2, 477.7, 2.0);
(371656.0, 3773010.0, 123.1, 477.7, 2.0); (371614.0, 3773016.0, 124.0, 477.7, 2.0);
(371620.0, 3773016.0, 124.0, 477.7, 2.0); (371626.0, 3773016.0, 124.0, 477.7, 2.0);
(371632.0, 3773016.0, 124.0, 477.7, 2.0); (371638.0, 3773016.0, 123.9, 477.7, 2.0);
(371644.0, 3773016.0, 123.9, 477.7, 2.0); (371650.0, 3773016.0, 123.8, 477.7, 2.0);
(371656.0, 3773016.0, 123.7, 477.7, 2.0); (371614.0, 3773022.0, 124.6, 477.7, 2.0);
(371620.0, 3773022.0, 124.6, 477.7, 2.0); (371626.0, 3773022.0, 124.6, 477.7, 2.0);
(371632.0, 3773022.0, 124.6, 477.7, 2.0); (371638.0, 3773022.0, 124.5, 477.7, 2.0);
(371644.0, 3773022.0, 124.5, 477.7, 2.0); (371650.0, 3773022.0, 124.4, 477.7, 2.0);
(371656.0, 3773022.0, 124.3, 477.7, 2.0);

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

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

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 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,

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

Surface file: F:\WD Passport\9176 sunset\metdata\KSMO_v9.SFC Met Version: 16216
Profile file: F:\WD Passport\9176 sunset\metdata\KSMO_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93197 Upper air station no.: 3190
Name: SANTA MONICA MUNI AIRPORT, CA Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR MO DY JDY HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12 01 01 1 01	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	131.	10.1	283.1	2.0
12 01 01 1 02	-7.6	0.121	-9.000	-9.000	-999.	101.	21.3	0.17	2.20	1.00	1.35	232.	10.1	282.0	2.0
12 01 01 1 03	-3.3	0.082	-9.000	-9.000	-999.	57.	15.3	0.17	2.20	1.00	0.86	46.	10.1	280.9	2.0
12 01 01 1 04	-5.4	0.102	-9.000	-9.000	-999.	79.	17.9	0.17	2.20	1.00	1.14	82.	10.1	281.4	2.0
12 01 01 1 05	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	205.	10.1	281.4	2.0
12 01 01 1 06	-7.4	0.119	-9.000	-9.000	-999.	99.	20.9	0.17	2.20	1.00	1.33	254.	10.1	280.9	2.0
12 01 01 1 07	-4.6	0.094	-9.000	-9.000	-999.	70.	16.6	0.17	2.20	1.00	1.04	39.	10.1	279.2	2.0
12 01 01 1 08	-16.0	0.197	-9.000	-9.000	-999.	209.	43.0	0.17	2.20	0.54	2.10	63.	10.1	282.0	2.0
12 01 01 1 09	36.8	0.255	0.339	0.005	38.	309.	-40.8	0.17	2.20	0.31	2.27	33.	10.1	292.0	2.0
12 01 01 1 10	102.6	0.234	0.691	0.006	117.	271.	-11.3	0.17	2.20	0.23	1.79	204.	10.1	289.2	2.0
12 01 01 1 11	154.6	0.178	1.118	0.005	327.	181.	-3.3	0.17	2.20	0.20	1.11	119.	10.1	296.4	2.0
12 01 01 1 12	182.0	0.295	1.459	0.005	618.	385.	-12.8	0.17	2.20	0.19	2.30	76.	10.1	300.9	2.0
12 01 01 1 13	175.0	0.355	1.686	0.005	991.	507.	-23.0	0.17	2.20	0.19	2.98	179.	10.1	293.8	2.0
12 01 01 1 14	148.1	0.374	1.737	0.005	1282.	549.	-31.9	0.17	2.20	0.20	3.25	211.	10.1	292.0	2.0
12 01 01 1 15	98.0	0.291	1.572	0.005	1436.	380.	-22.7	0.17	2.20	0.23	2.44	231.	10.1	290.9	2.0
12 01 01 1 16	28.2	0.303	1.044	0.005	1460.	400.	-89.0	0.17	2.20	0.32	2.85	217.	10.1	289.2	2.0
12 01 01 1 17	-22.4	0.259	-9.000	-9.000	-999.	317.	73.7	0.17	2.20	0.58	2.73	226.	10.1	287.0	2.0
12 01 01 1 18	-8.7	0.131	-9.000	-9.000	-999.	124.	23.3	0.17	2.20	1.00	1.45	230.	10.1	286.4	2.0
12 01 01 1 19	-13.2	0.163	-9.000	-9.000	-999.	157.	29.4	0.17	2.20	1.00	1.77	225.	10.1	285.9	2.0
12 01 01 1 20	-5.7	0.106	-9.000	-9.000	-999.	83.	18.6	0.17	2.20	1.00	1.18	182.	10.1	284.9	2.0
12 01 01 1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.17	2.20	1.00	0.00	0.	10.1	284.2	2.0
12 01 01 1 22	-7.3	0.119	-9.000	-9.000	-999.	99.	21.1	0.17	2.20	1.00	1.33	202.	10.1	285.4	2.0
12 01 01 1 23	-6.0	0.108	-9.000	-9.000	-999.	86.	19.1	0.17	2.20	1.00	1.21	251.	10.1	284.9	2.0
12 01 01 1 24	-5.4	0.102	-9.000	-9.000	-999.	78.	18.0	0.17	2.20	1.00	1.14	224.	10.1	284.2	2.0

First hour of profile data

YR MO DY HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12 01 01 01	10.1	1	131.	1.26	283.2	99.0	-99.00	-99.00

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

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

INCLUDING SOURCE(S): C_1 , C_2 , C_3 , C_4 , C_5 ,
C_6 , C_7 , C_8 , C_9 , C_10 , C_11 , C_12 , C_13 ,
C_14 , C_15 , C_16 , C_17 , C_18 , C_19 , C_20 , C_21 ,
C_22 , C_23 , C_24 , C_25 , C_26 , C_27 , C_28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
371656.00	3772896.00	0.00251	371644.00	3772902.00	0.00294
371650.00	3772902.00	0.00284	371656.00	3772902.00	0.00274
371626.00	3772908.00	0.00348	371632.00	3772908.00	0.00341
371638.00	3772908.00	0.00332	371644.00	3772908.00	0.00322
371650.00	3772908.00	0.00311	371656.00	3772908.00	0.00299
371614.00	3772914.00	0.00399	371620.00	3772914.00	0.00393
371626.00	3772914.00	0.00385	371632.00	3772914.00	0.00376
371638.00	3772914.00	0.00366	371644.00	3772914.00	0.00354
371650.00	3772914.00	0.00341	371656.00	3772914.00	0.00327
371596.00	3772920.00	0.00453	371602.00	3772920.00	0.00453
371608.00	3772920.00	0.00449	371614.00	3772920.00	0.00444
371620.00	3772920.00	0.00437	371626.00	3772920.00	0.00427
371632.00	3772920.00	0.00416	371638.00	3772920.00	0.00404
371644.00	3772920.00	0.00390	371650.00	3772920.00	0.00376
371656.00	3772920.00	0.00359	371578.00	3772926.00	0.00492
371584.00	3772926.00	0.00499	371590.00	3772926.00	0.00505
371596.00	3772926.00	0.00508	371602.00	3772926.00	0.00507
371608.00	3772926.00	0.00504	371614.00	3772926.00	0.00497
371620.00	3772926.00	0.00488	371626.00	3772926.00	0.00477
371632.00	3772926.00	0.00464	371638.00	3772926.00	0.00449
371644.00	3772926.00	0.00432	371650.00	3772926.00	0.00415
371656.00	3772926.00	0.00395	371578.00	3772932.00	0.00552
371584.00	3772932.00	0.00562	371590.00	3772932.00	0.00568
371596.00	3772932.00	0.00571	371602.00	3772932.00	0.00572
371608.00	3772932.00	0.00567	371614.00	3772932.00	0.00559
371620.00	3772932.00	0.00548	371626.00	3772932.00	0.00534
371632.00	3772932.00	0.00519	371638.00	3772932.00	0.00501
371644.00	3772932.00	0.00481	371650.00	3772932.00	0.00460
371656.00	3772932.00	0.00437	371578.00	3772938.00	0.00622
371584.00	3772938.00	0.00633	371590.00	3772938.00	0.00642
371596.00	3772938.00	0.00646	371602.00	3772938.00	0.00646
371608.00	3772938.00	0.00641	371614.00	3772938.00	0.00631
371620.00	3772938.00	0.00619	371626.00	3772938.00	0.00602
371632.00	3772938.00	0.00582	371638.00	3772938.00	0.00560
371644.00	3772938.00	0.00537	371650.00	3772938.00	0.00511
371656.00	3772938.00	0.00484	371578.00	3772944.00	0.00703
371584.00	3772944.00	0.00717	371590.00	3772944.00	0.00728
371596.00	3772944.00	0.00735	371602.00	3772944.00	0.00736
371608.00	3772944.00	0.00729	371614.00	3772944.00	0.00719
371620.00	3772944.00	0.00702	371626.00	3772944.00	0.00682

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

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_1 , C_2 , C_3 , C_4 , C_5 ,
C_6 , C_7 , C_8 , C_9 , C_10 , C_11 , C_12 , C_13 ,
C_14 , C_15 , C_16 , C_17 , C_18 , C_19 , C_20 , C_21 ,
C_22 , C_23 , C_24 , C_25 , C_26 , C_27 , C_28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
371632.00	3772944.00	0.00658	371638.00	3772944.00	0.00632
371644.00	3772944.00	0.00602	371650.00	3772944.00	0.00572
371656.00	3772944.00	0.00538	371578.00	3772950.00	0.00800
371584.00	3772950.00	0.00819	371590.00	3772950.00	0.00833
371596.00	3772950.00	0.00841	371602.00	3772950.00	0.00843
371608.00	3772950.00	0.00835	371614.00	3772950.00	0.00822
371620.00	3772950.00	0.00803	371626.00	3772950.00	0.00778
371632.00	3772950.00	0.00749	371638.00	3772950.00	0.00714

371644.00	3772950.00	0.00679	371650.00	3772950.00	0.00641
371656.00	3772950.00	0.00601	371578.00	3772956.00	0.00916
371584.00	3772956.00	0.00942	371590.00	3772956.00	0.00960
371596.00	3772956.00	0.00971	371602.00	3772956.00	0.00972
371608.00	3772956.00	0.00964	371614.00	3772956.00	0.00950
371620.00	3772956.00	0.00926	371626.00	3772956.00	0.00895
371632.00	3772956.00	0.00856	371638.00	3772956.00	0.00814
371644.00	3772956.00	0.00770	371650.00	3772956.00	0.00722
371656.00	3772956.00	0.00673	371578.00	3772962.00	0.01058
371584.00	3772962.00	0.01091	371590.00	3772962.00	0.01116
371596.00	3772962.00	0.01131	371602.00	3772962.00	0.01132
371608.00	3772962.00	0.01126	371614.00	3772962.00	0.01105
371620.00	3772962.00	0.01075	371626.00	3772962.00	0.01035
371632.00	3772962.00	0.00987	371638.00	3772962.00	0.00933
371644.00	3772962.00	0.00877	371650.00	3772962.00	0.00819
371656.00	3772962.00	0.00757	371578.00	3772968.00	0.01232
371584.00	3772968.00	0.01275	371590.00	3772968.00	0.01308
371596.00	3772968.00	0.01329	371602.00	3772968.00	0.01335
371608.00	3772968.00	0.01324	371614.00	3772968.00	0.01298
371620.00	3772968.00	0.01258	371626.00	3772968.00	0.01207
371632.00	3772968.00	0.01146	371638.00	3772968.00	0.01076
371644.00	3772968.00	0.01003	371650.00	3772968.00	0.00930
371656.00	3772968.00	0.00855	371578.00	3772974.00	0.01449
371584.00	3772974.00	0.01509	371590.00	3772974.00	0.01554
371596.00	3772974.00	0.01582	371602.00	3772974.00	0.01592
371608.00	3772974.00	0.01578	371614.00	3772974.00	0.01540
371620.00	3772974.00	0.01488	371626.00	3772974.00	0.01421
371632.00	3772974.00	0.01338	371638.00	3772974.00	0.01248
371644.00	3772974.00	0.01154	371650.00	3772974.00	0.01062
371656.00	3772974.00	0.00969	371578.00	3772980.00	0.01718
371584.00	3772980.00	0.01799	371590.00	3772980.00	0.01862
371596.00	3772980.00	0.01908	371602.00	3772980.00	0.01917

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

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_1 , C_2 , C_3 , C_4 , C_5 ,
C_6 , C_7 , C_8 , C_9 , C_10 , C_11 , C_12 , C_13 ,
C_14 , C_15 , C_16 , C_17 , C_18 , C_19 , C_20 , C_21 ,
C_22 , C_23 , C_24 , C_25 , C_26 , C_27 , C_28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
371608.00	3772980.00	0.01900	371614.00	3772980.00	0.01855
371620.00	3772980.00	0.01781	371626.00	3772980.00	0.01691
371632.00	3772980.00	0.01581	371638.00	3772980.00	0.01462
371644.00	3772980.00	0.01340	371650.00	3772980.00	0.01219
371656.00	3772980.00	0.01102	371578.00	3772986.00	0.02059
371584.00	3772986.00	0.02178	371590.00	3772986.00	0.02266
371596.00	3772986.00	0.02325	371602.00	3772986.00	0.02348
371608.00	3772986.00	0.02326	371614.00	3772986.00	0.02259
371620.00	3772986.00	0.02159	371626.00	3772986.00	0.02036
371632.00	3772986.00	0.01882	371638.00	3772986.00	0.01723
371644.00	3772986.00	0.01563	371650.00	3772986.00	0.01407
371656.00	3772986.00	0.01258	371578.00	3772992.00	0.02502
371584.00	3772992.00	0.02662	371590.00	3772992.00	0.02790
371596.00	3772992.00	0.02885	371602.00	3772992.00	0.02922
371608.00	3772992.00	0.02884	371614.00	3772992.00	0.02793
371620.00	3772992.00	0.02654	371626.00	3772992.00	0.02484
371632.00	3772992.00	0.02271	371638.00	3772992.00	0.02055
371644.00	3772992.00	0.01835	371650.00	3772992.00	0.01632
371656.00	3772992.00	0.01442	371578.00	3772998.00	0.03070
371584.00	3772998.00	0.03312	371590.00	3772998.00	0.03499
371596.00	3772998.00	0.03642	371602.00	3772998.00	0.03700
371608.00	3772998.00	0.03651	371614.00	3772998.00	0.03524
371620.00	3772998.00	0.03327	371626.00	3772998.00	0.03073
371632.00	3772998.00	0.02784	371638.00	3772998.00	0.02475
371644.00	3772998.00	0.02182	371650.00	3772998.00	0.01907
371656.00	3772998.00	0.01666	371578.00	3773004.00	0.03827
371584.00	3773004.00	0.04165	371590.00	3773004.00	0.04462

371596.00	3773004.00	0.04678	371602.00	3773004.00	0.04771
371608.00	3773004.00	0.04706	371614.00	3773004.00	0.04526
371620.00	3773004.00	0.04240	371626.00	3773004.00	0.03871
371632.00	3773004.00	0.03454	371638.00	3773004.00	0.03017
371644.00	3773004.00	0.02614	371650.00	3773004.00	0.02245
371656.00	3773004.00	0.01932	371614.00	3773010.00	0.05904
371620.00	3773010.00	0.05484	371626.00	3773010.00	0.04941
371632.00	3773010.00	0.04333	371638.00	3773010.00	0.03709
371644.00	3773010.00	0.03151	371650.00	3773010.00	0.02657
371656.00	3773010.00	0.02246	371614.00	3773016.00	0.07785
371620.00	3773016.00	0.07160	371626.00	3773016.00	0.06362
371632.00	3773016.00	0.05479	371638.00	3773016.00	0.04590
371644.00	3773016.00	0.03820	371650.00	3773016.00	0.03167

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

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_1 , C_2 , C_3 , C_4 , C_5 ,
C_6 , C_7 , C_8 , C_9 , C_10 , C_11 , C_12 , C_13 ,
C_14 , C_15 , C_16 , C_17 , C_18 , C_19 , C_20 , C_21 ,
C_22 , C_23 , C_24 , C_25 , C_26 , C_27 , C_28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
371656.00	3773016.00	0.02642	371614.00	3773022.00	0.10268
371620.00	3773022.00	0.09328	371626.00	3773022.00	0.08189
371632.00	3773022.00	0.06958	371638.00	3773022.00	0.05723
371644.00	3773022.00	0.04684	371650.00	3773022.00	0.03833
371656.00	3773022.00	0.03168			

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

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

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.10268 AT (371614.00, 3773022.00, 124.60, 477.70, 2.00)	DC		
	2ND HIGHEST VALUE IS	0.09328 AT (371620.00, 3773022.00, 124.60, 477.70, 2.00)	DC		
	3RD HIGHEST VALUE IS	0.08189 AT (371626.00, 3773022.00, 124.60, 477.70, 2.00)	DC		
	4TH HIGHEST VALUE IS	0.07785 AT (371614.00, 3773016.00, 124.00, 477.70, 2.00)	DC		
	5TH HIGHEST VALUE IS	0.07160 AT (371620.00, 3773016.00, 124.00, 477.70, 2.00)	DC		
	6TH HIGHEST VALUE IS	0.06958 AT (371632.00, 3773022.00, 124.60, 477.70, 2.00)	DC		
	7TH HIGHEST VALUE IS	0.06362 AT (371626.00, 3773016.00, 124.00, 477.70, 2.00)	DC		
	8TH HIGHEST VALUE IS	0.05904 AT (371614.00, 3773010.00, 123.40, 477.70, 2.00)	DC		
	9TH HIGHEST VALUE IS	0.05723 AT (371638.00, 3773022.00, 124.50, 477.70, 2.00)	DC		
	10TH HIGHEST VALUE IS	0.05484 AT (371620.00, 3773010.00, 123.40, 477.70, 2.00)	DC		

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

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

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

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

```
A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of          799 Informational Message(s)

A Total of        43848 Hours Were Processed


A Total of          455 Calm Hours Identified

A Total of          344 Missing Hours Identified (  0.78 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186     522       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     522       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ***********************************
   *** AERMOD Finishes Successfully ***
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ATTACHMENT E

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