ATTACHMENT B

9500 Pico Mixed-Use Project - Health Risk Assessment Evaluation,
Air Quality Dynamics, February 10, 2022.

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February 10, 2022

Parker Environmental Consultants
23822 Valencia Boulevard, Suite 301
Valencia, CA 91355
Attn: Shane Parker

Re: 9500 Pico Mixed-Use Project - Health Risk Assessment Evaluation

Mr. Parker:

Per your request, Air Quality Dynamics has reviewed the Lozeau Drury LLP and associated comments by SWAPE which allege the Initial Study/Negative Declaration (IS/ND) prepared for the proposed project fails to "adequately evaluate" the project's health risk impacts due to emissions of diesel particulate matter (DPM). SWAPE contends that DPM emissions associated with project construction and operation may have the potential to expose sensitive receptors to substantial pollutant concentrations. This is based upon the preparation of a "screening-level risk analysis" which reports cancer risk estimates for adjoining residents exceed the maximum incremental cancer risk threshold established by the South Coast Air Quality Management District (SCAQMD) for projects prepared under the auspices of the California Environmental Quality Act (CEQA).

As a result, SWAPE claims that a "potentially significant impact" exists whereby "an updated, quantified air pollution model as well as an updated, quantified refined health risk assessment which adequately and accurately evaluates health risk impacts associated with both Project construction and operation" be prepared.

SWAPE recommends utilizing the Office of Environmental Health and Hazard Assessment (OEHHA) Air Toxics Hot Spots Program guidelines (AB 2588, Connelly, Statutes of 1987; Health and Safety Code Section 44300 et seq.) which, for sources subject the guidelines, must incorporate early-life exposure adjustments to characterize carcinogenic exposures to DPM emissions when conducting health risk assessments (HRAs).

Notwithstanding this recommendation, AB 2588 guidance has no statutory relation to projects prepared under the auspices of the California Environmental Quality Act (CEQA). As noted by the California Air Resources Board (CARB).

> The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in September 1987. Under this, stationary sources are required to report the types and quantities of certain substances their facilities routinely release into the air. Emissions of interest are those that result from the routine operation of a facility or that are predictable, including but not limited to continuous and intermittent releases and process upsets or leaks.

The Act requires that toxic air emissions from stationary sources (facilities) be quantified and compiled into an inventory according to criteria and guidelines developed by the ARB, that each facility be prioritized to determine whether a risk assessment must be conducted, that the risk assessments be conducted according to methods developed by the Office of Environmental Health Hazard Assessment (OEHHA).

As reported above, AB2588 applies to certain commercial and industrial operations that have the potential to generate quantities of criteria and toxic air emissions that could present health risks. 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). It is apparent that the emissions generated from the construction and subsequent occupancy of a residential mixed-use building are not classified as core operations nor subject to industry-wide source evaluation.

SWAPE also cites the SCAQMD regarding preparing HRAs in a manner consistent with the *Risk Assessment Procedures for Rules 1401, 1401.1 and 212* which incorporate AB 2500 guidance. These rules relate to specific standards for approving permits and issuing public notice. The guidance SWAPE cites to suggest its relevance relates to permit units and specific stationary sources where the SCAQMD is the lead agency and not to the construction of residential or mixed-use projects. As noted in the following rules regarding source applicability:

For Rule 1401 (New Source Review of Toxic Air Contaminants):

> Applications for new, relocated, and modified permit units which were received by the District on or after June 1, 1990 shall be subject to Rule1401. Applications shall be subject to the version of Rule 1401 that is in effect at the time the application is deemed complete. Permit units installed without a required permit to construct shall be subject to this rule, if the application for a permit to operate such equipment was submitted after June 1, 1990.

> This rule shall apply to new, relocated, and modified equipment identified in Rule 219 as not requiring a written permit if the risk from the equipment will be greater than identified in subparagraph (d)(1)(A), or paragraphs (d)(2) or (d)(3) in Rule 1401.

For Rule 1401.1 (Requirements for New and Relocated Facilities near Schools):

> This rule applies to new and relocated, but not to existing facilities. Applications for Permit to Construct/Operate from such new or relocated facilities shall be evaluated under this rule using the list of toxic air contaminants in the version of Rule 1401 and the risk assessment procedures that are in effect at the time the application is deemed complete.

For Rule 212 (Standards for Approving Permits and Issuing Public Notice):

> (A)ny new or modified permit unit, source under Regulation XX, or equipment under Regulation XXX that may emit air contaminants located within 1000 feet from the outer boundary of a school. This subdivision shall not apply to a modification of an existing facility if the Executive Officer determines that the modification will result in a reduction of emissions of air contaminants from the facility and no increase in health risk at any receptor location. (This paragraph shall not apply to modifications that have no potential to affect emissions); or any new modified facility which has on-site emission increases exceeding any of the daily maximums specified in subdivision (g) of this rule; or any new or modified permit unit, source under Regulation XX, or equipment under Regulation XXX with increases in emissions of toxic air contaminants, for which the Executive Officer has made a determination that a person may be exposed to.

As noted above, applicability is associated with stationary source operations. Emissions generated by construction and non-permitted operational sources are not subject to the above referenced rules and agency regulations.

Additionally, in comments presented to the SCAQMD Governing Board (Meeting Date: June 5, 2015, Agenda No. 28) relating to toxic air contaminant exposures under Rules 1401, 1401.1, 1402 and 212 revisions, use of the revised OEHHA guidelines and their applicability for projects subject to CEQA as they relate to the incorporation of early-life exposure adjustments, it was reported that:

> The Proposed Amended Rules are separate from the CEQA significance thresholds. The Response to Comments Staff Report PAR 1401, 1401.1, 1402, and 212 A - 8 June 2015 SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board.

Contrary to SWAPE's assertion that available guidance exists, the SCAQMD, as a commenting agency, has not conducted public workshops nor developed policy relating to the applicability of applying the revised OEHHA guidance for projects prepared by other public/lead agencies subject to CEQA.

To emphasize variability in methodology for conducting HRAs, regulatory agencies throughout the State of California including the Department of Toxic Substances Control (DTSC) which is charged with protecting individuals and the environment from the effects of toxic substances and 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 have adopted the U.S. Environmental Protection Agency's policy in the application of early-life exposure adjustments.

Specifically, U.S. Environmental Protection Agency guidance relating to the use of early life exposure adjustments (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F) are considered when carcinogens act "through the mutagenic mode of action." As reported:

> The Agency considered both the advantages and disadvantages of extending the recommended, age dependent adjustment factors for carcinogenic potency to carcinogenic agents for which the mode of action remains unknown. EPA recommends these factors only for carcinogens acting through a mutagenic mode of action based on a combination of analysis of available data and long-standing science policy positions that set out the Agency's overall approach to carcinogen risk assessment, e.g., the use of a linear, no threshold extrapolation procedure in the absence of data in order to be health protective. In general, the Agency prefers to rely on analyses of data rather than on general defaults. When data are available for a susceptible lifestage, they should be used directly to evaluate risks for that chemical and that lifestage on a case-by-case basis. In the case of nonmutagenic carcinogens, when the mode of action is unknown, the data were judged by EPA to be too limited and the modes of action too diverse to use this as a category for which a general default adjustment factor approach can be applied. In this situation per the Agency's *Guidelines for Carcinogen Risk Assessment*, a linear low-dose extrapolation methodology is recommended. It is the Agency's long-standing science policy position that use of the linear low-dose extrapolation approach (without further adjustment) provides adequate public health conservatism in the absence of chemical-specific data indicating differential early-life susceptibility or when the mode of action is not mutagenicity.

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).

SWAPE additionally asserts that particulate (PM_{10}) exhaust emissions, as reported in the project's air quality report, be used as a surrogate for DPM emissions to address operational emissions. For this source category, predictive model estimates are associated with area, energy, mobile and stationary sources. On-site area source emissions include hearths and landscape maintenance equipment. Energy related emissions are associated with natural gas and electricity consumption. On-road mobile sources include running and start emissions. In consideration of these source categories, DPM emissions are only associated with a portion of the mobile source profile whereby the predominant source of emissions relate to vehicle miles traveled to and from the project site. Although a portion of start emissions are generated on-site, they are associated with gasoline fueled vehicles and not diesel vehicles. Stationary emissions are associated with the transient use of a proposed diesel-fueled emergency generator whereby installation and

operation would be subject to the evaluation and permit conditions imposed by the SCAQMD. As such, use of the identified exhaust estimates to address on-site operational emissions are either not supported by the model's emission inventory or are subject to subsequent regulatory evaluation and agency approval to limit further consideration.

As noted above, the HRA methodology for the proposed project is not subject to AB 2588 nor SCAQMD command and control regulations for construction and non-permitted operational sources. As such, Air Quality Dynamics presents a refined HRA to address construction related emissions utilizing all relevant and appropriate assessment and dispersion modeling methodologies presented by the U.S. Environmental Protection Agency, California Environmental Protection Agency and SCAQMD to ensure a viable quantification of pollutant exposures associated with the generation of contaminant emissions from construction related activities.

Results of the refined health risk assessment showed lower DPM concentrations than the SWAPE screening-level analysis and cancer risk estimates below SCAQMD's significance threshold. The following discussion outlines the methodology utilized to conduct the refined health risk assessment and presents the revised estimate of risk.

Source Identification

The proposed project will involve the construction of a 6-story mixed-use building to accommodate 108 dwelling units, including 13 designated for very low income occupancies over two levels of subterranean parking. The site is currently improved with an existing two-story office building, one-story food stand and car wash.

All existing structures will be removed to facilitate project construction. The project will additionally involve excavation for the subterranean garage and grading to accommodate the installation of aggregate base and related sitework for the placement of building foundations. It is estimated that approximately 21,040 cubic yards of soil will be removed as export from the project site.

The project is located at 9500-9530 West Pico Boulevard between Beverly Drive to the east and Reeves Street to the west. The site includes ten parcels with the following Assessor Parcel Numbers (APN No. 4306-002-013 and 4306-002-023) and encompasses approximately 25,823 square feet of gross lot area (0.59 acres). The surrounding community consists principally of residential neighborhoods with multi-family residential occupancies located immediately south, southeast and southwest of the project site. Figure 1 presents an aerial photograph of the project location and adjoining land uses.

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 prepared by Parker Environmental Consultants for the IS/ND. 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 CEQA. For this assessment, the off-road PM_{10} exhaust estimates reported by CalEEMod were used as a surrogate for DPM emissions. 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 519 days over a 726-day period (i.e., 1.99 years) based upon a 5-day per week operational schedule which accounts for one day where concurrent phase activities occur during grading and building construction.

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. A excerpt from the CalEEMod output file which identifies 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/2021	0.4073
Grading/2021	0.6994
Grading/Building Construction/2021	1.5692
Building Construction/2021	0.8698
Building Construction/2022	0.7300
Architectural Coating/2022	0.3475
Average Daily Emissions	**0.6963**

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.

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 (Source Receptor Area 2) monitoring station which is located approximately 3.7 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 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.

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 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 also 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
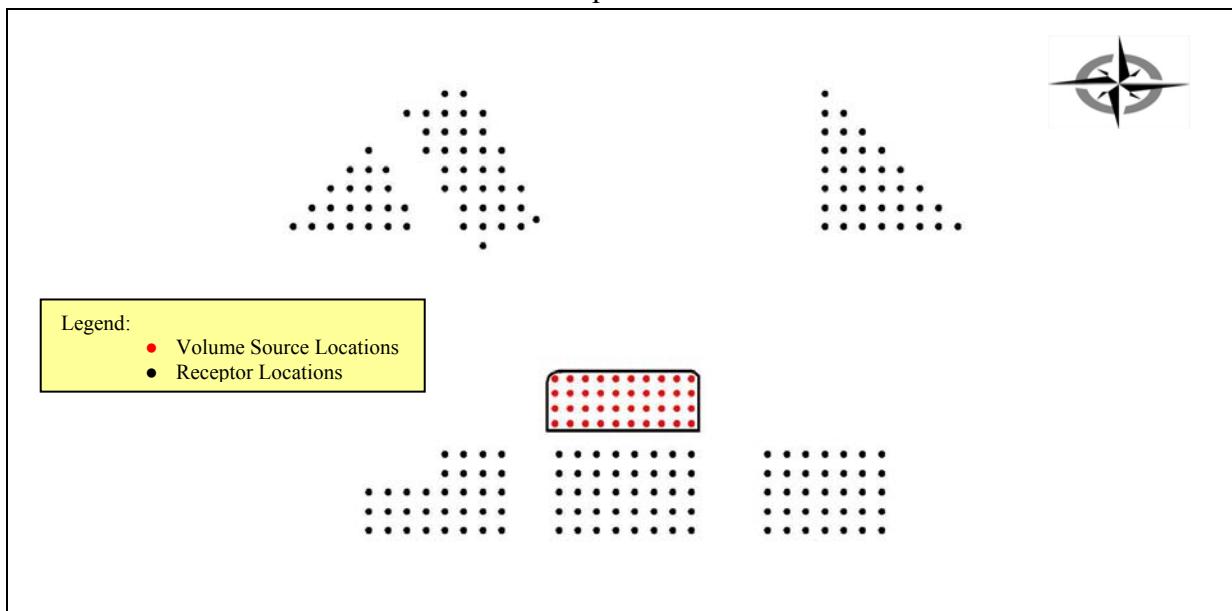
Attachment D provides a copy of the AERMOD dispersion model output file associated with the assessment of residential exposures.

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.*

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 1.99 years (i.e., 0.25 years for the third trimester and 1.74 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 ($\mu g/m^3$)*
$\{BR/BW\}$	=	*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 inhalation dose estimates for the identified age groups were incorporated into the following equation to produce the carcinogenic risk estimate commensurate with the duration of construction activity:

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

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 exposure time (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	3.2E-07
0 to 2 years	6.8E-06
Total	**7.1E-06**

Note: 7.1E-06 denotes an excess case of cancer of 0.71 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 k.

Table 3
Noncarcinogenic Hazards

Receptor	Hazard
Residential	7.9E-02

Note: 7.9E-02 is commensurate with a numeric value of 0.072.

Conclusion

Based upon the predicted carcinogenic risk and noncarcinogenic hazard estimates for the residential exposure scenario, the refined health risk assessment 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 Worksheets
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 Worksheets

Table A1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
Third Trimester Exposure / Maximum Receptor Location

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards / Toxicological Endpoints*								
					URF	CPF	DOSE	RISK	REL	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m³)	(mg/m³)			(ug/m³)⁻¹	(mg/kg/day)⁻¹	(mg/kg-day)		(ug/m³)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
On-Site Exhaust	0.39323	3.93E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.0E-04	3.2E-07	5.0E+00	7.9E-02							
TOTAL								3.2E-07		7.9E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

* Key to Toxicological Endpoint

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

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 exposure time	0.85

Table A2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0 to 2 Year Exposure / Maximum Receptor Location

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards / Toxicological Endpoints*								
					URF	CPF	DOSE	RISK	REL	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
On-Site Exhaust	0.39323	3.93E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.1E-04	6.8E-06	5.0E+00	7.9E-02							
TOTAL								6.8E-06		7.9E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

* Key to Toxicological Endpoint

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

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	1.74
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of exposure time	0.85

ATTACHMENT B

Emission Calculation Worksheet

Emission Calculation Worksheet

Emissions	Phase	Year	Lb/Day	# Days	Emissions
On-Site	Demolition	2021	0.4073	22	8.9606
Exhaust PM 10	Grading	2021	0.6994	65	45.461
	Grading/Building Construction	2021	1.5692	1	1.5692
	Building Construction	2021	0.8698	172	149.6056
	Building Construction	2022	0.7300	172	125.56
	Architectural Coating	2022	0.3475	87	30.2325
				519	361.3889

Average Daily Construction (Lb/Day) 0.6963

Exhaust PM10				Combustion mass	Combustion g/s/source
	Combustion Sources		40	0.6963	2.7417E-04

ATTACHMENT C

CalEEMod Output File

9500 Pico Mixed-Use Project
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	134.00	Space	0.00	52,595.00	0
Quality Restaurant	1.00	1000sqft	0.00	1,000.00	0
Apartments Mid Rise	108.00	Dwelling Unit	0.59	93,621.00	291
Regional Shopping Center	2.25	1000sqft	0.00	2,250.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023

Utility Company   Los Angeles Department of Water & Power

CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Data provided by Site Plans dated July 2020

Construction Phase - Assumes 24-month construction schedule.

Off-road Equipment - Equipment use on worst-case day.

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Assumes 14 cy haul truck capacity.

Demolition - Demolish approxx 14,483 sf building demo and 15,000 sf asphalt.

Grading - Assumes 21,040 cy soil export for 2-level subterranean parking garage.

Woodstoves - No woodstoves or fireplaces proposed.

Sequestration -

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation - 2019 Title 24 approximately 7% more efficient than 2016 Title 24

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Vehicle Trips - Trips rates adjusted based on Transportation Assessment and LADOT VMT Calculator.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	87.00
tblConstructionPhase	NumDays	100.00	345.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	66.00
tblConstructionPhase	PhaseEndDate	6/15/2021	12/30/2022
tblConstructionPhase	PhaseEndDate	6/8/2021	8/30/2022

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

tblConstructionPhase	PhaseEndDate	1/15/2021	2/2/2021
tblConstructionPhase	PhaseEndDate	1/19/2021	5/5/2021
tblConstructionPhase	PhaseStartDate	6/9/2021	9/1/2022
tblConstructionPhase	PhaseStartDate	1/20/2021	5/5/2021
tblConstructionPhase	PhaseStartDate	1/16/2021	2/3/2021
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	0.00
tblFireplaces	NumberNoFireplace	10.80	0.00
tblFireplaces	NumberWood	5.40	0.00
tblGrading	AcresOfGrading	33.00	0.60
tblGrading	MaterialExported	0.00	21,040.00
tblLandUse	LandUseSquareFeet	53,600.00	52,595.00
tblLandUse	LandUseSquareFeet	108,000.00	93,621.00
tblLandUse	LotAcreage	1.21	0.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	2.84	0.59
tblLandUse	LotAcreage	0.05	0.00
tblLandUse	Population	309.00	291.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Graders

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tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblSequestration	NumberOfNewTrees	0.00	27.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,000.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	33.00
tblTripsAndVMT	HaulingTripNumber	2,630.00	3,006.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.65
tblVehicleTrips	CC_TTP	69.00	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

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tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	12.00	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	38.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	840.00
tblVehicleTrips	SU_TR	72.16	0.00

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tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	840.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	89.95	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	840.00
tblWoodstoves	NumberCatalytic	5.40	0.00
tblWoodstoves	NumberNoncatalytic	5.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

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		
2021	4.2038	50.1932	36.9462	0.1206	3.5420	1.6413	5.1833	1.1625	1.5407	2.7032	0.0000	12,335.25 65	12,335.25 65	1.6472	0.0000	12,376.43 57
2022	8.2245	16.2691	19.4852	0.0412	1.2633	0.7417	2.0050	0.3381	0.6954	1.0335	0.0000	4,037.785 8	4,037.785 8	0.6797	0.0000	4,054.779 0
Maximum	**8.2245**	**50.1932**	**36.9462**	**0.1206**	**3.5420**	**1.6413**	**5.1833**	**1.1625**	**1.5407**	**2.7032**	**0.0000**	**12,335.25 65**	**12,335.25 65**	**1.6472**	**0.0000**	**12,376.43 57**

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		
2021	4.2038	50.1932	36.9462	0.1206	3.1028	1.6413	4.7442	0.9313	1.5407	2.4721	0.0000	12,335.25 65	12,335.25 65	1.6472	0.0000	12,376.43 57
2022	8.2245	16.2691	19.4852	0.0412	1.2633	0.7417	2.0050	0.3381	0.6954	1.0335	0.0000	4,037.785 8	4,037.785 8	0.6797	0.0000	4,054.779 0
Maximum	**8.2245**	**50.1932**	**36.9462**	**0.1206**	**3.1028**	**1.6413**	**4.7442**	**0.9313**	**1.5407**	**2.4721**	**0.0000**	**12,335.25 65**	**12,335.25 65**	**1.6472**	**0.0000**	**12,376.43 57**

	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	9.14	0.00	6.11	15.40	0.00	6.19	0.00	0.00	0.00	0.00	0.00	0.00

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

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	2.3792	0.1029	8.9262	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0739	16.0739	0.0155	0.0000	16.4616
Energy	0.0363	0.3143	0.1599	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.4156	396.4156	7.6000e-003	7.2700e-003	398.7713
Mobile	1.1087	5.0742	12.8815	0.0493	4.3235	0.0361	4.3597	1.1568	0.0336	1.1904		5,027.2828	5,027.2828	0.2427		5,033.3504
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**4.3448**	**9.1607**	**24.0598**	**0.0557**	**4.3235**	**0.2313**	**4.5548**	**1.1568**	**0.2288**	**1.3855**	**0.0000**	**5,859.5294**	**5,859.5294**	**0.3247**	**7.2700e-003**	**5,869.8116**

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

2.2 Overall Operational

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	2.3792	0.1029	8.9262	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0739	16.0739	0.0155	0.0000	16.4616
Energy	0.0353	0.3051	0.1556	1.9200e-003		0.0244	0.0244		0.0244	0.0244		384.7001	384.7001	7.3700e-003	7.0500e-003	386.9862
Mobile	1.1087	5.0742	12.8815	0.0493	4.3235	0.0361	4.3597	1.1568	0.0336	1.1904		5,027.2828	5,027.2828	0.2427		5,033.3504
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**4.3437**	**9.1515**	**24.0555**	**0.0556**	**4.3235**	**0.2306**	**4.5541**	**1.1568**	**0.2280**	**1.3848**	**0.0000**	**5,847.8139**	**5,847.8139**	**0.3244**	**7.0500e-003**	**5,858.0265**

	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	0.02	0.10	0.02	0.11	0.00	0.32	0.02	0.00	0.33	0.05	0.00	0.20	0.20	0.07	3.03	0.20

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	1/4/2021	2/2/2021	5	22	
2	Grading	Grading	2/3/2021	5/5/2021	5	66	
3	Building Construction	Building Construction	5/5/2021	8/30/2022	5	345	
4	Architectural Coating	Architectural Coating	9/1/2022	12/30/2022	5	87	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.6

Acres of Paving: 0

Residential Indoor: 189,583; Residential Outdoor: 63,194; Non-Residential Indoor: 4,875; Non-Residential Outdoor: 1,625; Striped Parking Area: 3,156 (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	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pavers	1	8.00	130	0.42
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48

Trips and VMT

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

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	4	10.00	0.00	134.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,006.00	14.70	6.90	33.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

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					1.3192	0.0000	1.3192	0.1997	0.0000	0.1997			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	1.3192	0.4073	1.7265	0.1997	0.3886	0.5883		1,147.4338	1,147.4338	0.2138		1,152.7797

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

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	0.0283	1.0572	0.2202	2.5800e-003	0.0533	2.5700e-003	0.0559	0.0146	2.4600e-003	0.0171		279.6284	279.6284	0.0237		280.2206
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	**0.0744**	**1.0871**	**0.5587**	**3.6200e-003**	**0.1651**	**3.3900e-003**	**0.1685**	**0.0443**	**3.2200e-003**	**0.0475**		**383.1952**	**383.1952**	**0.0265**		**383.8568**

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					0.5936	0.0000	0.5936	0.0899	0.0000	0.0899			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.5936**	**0.4073**	**1.0010**	**0.0899**	**0.3886**	**0.4785**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

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	0.0283	1.0572	0.2202	2.5800e-003	0.0533	2.5700e-003	0.0559	0.0146	2.4600e-003	0.0171		279.6284	279.6284	0.0237		280.2206
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	0.0744	1.0871	0.5587	3.6200e-003	0.1651	3.3900e-003	0.1685	0.0443	3.2200e-003	0.0475		383.1952	383.1952	0.0265		383.8568

3.3 Grading - 2021

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					0.7985	0.0000	0.7985	0.4203	0.0000	0.4203			0.0000			0.0000
Off-Road	1.4784	15.3230	12.6189	0.0238		0.6994	0.6994		0.6573	0.6573		2,289.7762	2,289.7762	0.5833		2,304.3586
Total	1.4784	15.3230	12.6189	0.0238	0.7985	0.6994	1.4979	0.4203	0.6573	1.0776		2,289.7762	2,289.7762	0.5833		2,304.3586

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.3 Grading - 2021

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	0.5071	16.5402	3.8820	0.0537	1.3125	0.0584	1.3710	0.3596	0.0559	0.4156		5,810.8273	5,810.8273	0.3740		5,820.1764
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
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.5763**	**16.5852**	**4.3898**	**0.0552**	**1.4802**	**0.0597**	**1.5399**	**0.4041**	**0.0571**	**0.4612**		**5,966.1775**	**5,966.1775**	**0.3781**		**5,975.6306**

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					0.3593	0.0000	0.3593	0.1891	0.0000	0.1891			0.0000			0.0000
Off-Road	1.4784	15.3230	12.6189	0.0238		0.6994	0.6994		0.6573	0.6573	0.0000	2,289.7762	2,289.7762	0.5833		2,304.3586
Total	**1.4784**	**15.3230**	**12.6189**	**0.0238**	**0.3593**	**0.6994**	**1.0587**	**0.1891**	**0.6573**	**0.8464**	**0.0000**	**2,289.7762**	**2,289.7762**	**0.5833**		**2,304.3586**

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.3 Grading - 2021

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	0.5071	16.5402	3.8820	0.0537	1.3125	0.0584	1.3710	0.3596	0.0559	0.4156		5,810.8273	5,810.8273	0.3740		5,820.1764
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
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	0.5763	16.5852	4.3898	0.0552	1.4802	0.0597	1.5399	0.4041	0.0571	0.4612		5,966.1775	5,966.1775	0.3781		5,975.6306

3.4 Building Construction - 2021

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	1.6218	15.9859	15.9864	0.0259		0.8698	0.8698		0.8148	0.8148		2,477.7228	2,477.7228	0.6205		2,493.2364
Total	1.6218	15.9859	15.9864	0.0259		0.8698	0.8698		0.8148	0.8148		2,477.7228	2,477.7228	0.6205		2,493.2364

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2021

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
Vendor	0.0615	1.9965	0.5319	5.2100e-003	0.1344	4.1600e-003	0.1386	0.0387	3.9800e-003	0.0427		555.5554	555.5554	0.0372		556.4847
Worker	0.4658	0.3027	3.4193	0.0105	1.1289	8.3100e-003	1.1373	0.2994	7.6500e-003	0.3071		1,046.0246	1,046.0246	0.0280		1,046.7254
Total	0.5273	2.2992	3.9511	0.0157	1.2633	0.0125	1.2758	0.3381	0.0116	0.3497		1,601.5800	1,601.5800	0.0652		1,603.2101

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	1.6218	15.9859	15.9864	0.0259		0.8698	0.8698		0.8148	0.8148	0.0000	2,477.7228	2,477.7228	0.6205		2,493.2364
Total	1.6218	15.9859	15.9864	0.0259		0.8698	0.8698		0.8148	0.8148	0.0000	2,477.7228	2,477.7228	0.6205		2,493.2364

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2021

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
Vendor	0.0615	1.9965	0.5319	5.2100e-003	0.1344	4.1600e-003	0.1386	0.0387	3.9800e-003	0.0427		555.5554	555.5554	0.0372		556.4847
Worker	0.4658	0.3027	3.4193	0.0105	1.1289	8.3100e-003	1.1373	0.2994	7.6500e-003	0.3071		1,046.0246	1,046.0246	0.0280		1,046.7254
Total	0.5273	2.2992	3.9511	0.0157	1.2633	0.0125	1.2758	0.3381	0.0116	0.3497		1,601.5800	1,601.5800	0.0652		1,603.2101

3.4 Building Construction - 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			
Off-Road	1.4439	14.1022	15.8262	0.0259		0.7300	0.7300		0.6845	0.6845		2,478.6561	2,478.6561	0.6187		2,494.1224
Total	1.4439	14.1022	15.8262	0.0259		0.7300	0.7300		0.6845	0.6845		2,478.6561	2,478.6561	0.6187		2,494.1224

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 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
Vendor	0.0577	1.8936	0.5029	5.1600e-003	0.1344	3.6100e-003	0.1380	0.0387	3.4500e-003	0.0421		550.6079	550.6079	0.0358		551.5018
Worker	0.4381	0.2733	3.1560	0.0101	1.1289	8.0700e-003	1.1370	0.2994	7.4300e-003	0.3068		1,008.5219	1,008.5219	0.0253		1,009.1548
Total	**0.4958**	**2.1669**	**3.6589**	**0.0153**	**1.2633**	**0.0117**	**1.2750**	**0.3381**	**0.0109**	**0.3490**		**1,559.1298**	**1,559.1298**	**0.0611**		**1,560.6566**

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	1.4439	14.1022	15.8262	0.0259		0.7300	0.7300		0.6845	0.6845	0.0000	2,478.6561	2,478.6561	0.6187		2,494.1224
Total	**1.4439**	**14.1022**	**15.8262**	**0.0259**		**0.7300**	**0.7300**		**0.6845**	**0.6845**	**0.0000**	**2,478.6561**	**2,478.6561**	**0.6187**		**2,494.1224**

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 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
Vendor	0.0577	1.8936	0.5029	5.1600e-003	0.1344	3.6100e-003	0.1380	0.0387	3.4500e-003	0.0421		550.6079	550.6079	0.0358		551.5018
Worker	0.4381	0.2733	3.1560	0.0101	1.1289	8.0700e-003	1.1370	0.2994	7.4300e-003	0.3068		1,008.5219	1,008.5219	0.0253		1,009.1548
Total	0.4958	2.1669	3.6589	0.0153	1.2633	0.0117	1.2750	0.3381	0.0109	0.3490		1,559.1298	1,559.1298	0.0611		1,560.6566

3.5 Architectural Coating - 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			
Archit. Coating	7.2479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8899	6.7480	9.4296	0.0152		0.3475	0.3475		0.3459	0.3459		1,449.1434	1,449.1434	0.1779		1,453.5903
Total	8.1378	6.7480	9.4296	0.0152		0.3475	0.3475		0.3459	0.3459		1,449.1434	1,449.1434	0.1779		1,453.5903

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 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
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
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326

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	7.2479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8899	6.7480	9.4296	0.0152		0.3475	0.3475		0.3459	0.3459	0.0000	1,449.1434	1,449.1434	0.1779		1,453.5903
Total	8.1378	6.7480	9.4296	0.0152		0.3475	0.3475		0.3459	0.3459	0.0000	1,449.1434	1,449.1434	0.1779		1,453.5903

9500 Pico Mixed-Use Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 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
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
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326

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: 2/6/2022  Time: 11:01:26 AM
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     352      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used        0.50
 ME W187     352      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** AERMOD - VERSION 21112  ***   *** 9500 Pico Mixed-Use Project                                        ***        02/06/22
*** AERMET - VERSION  16216 ***   *** Diesel Particulate Matter (DPM) / Construction                     ***        11:01:41
                                                                                                                    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    40 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:     40 Source(s);      1 Source Group(s); and      199 Receptor(s)

             with:       0 POINT(s), including
                         0 POINTCAP(s) and      0 POINTHOR(s)
               and:     40 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 =      3.5 MB of RAM.


**Input Runstream File:        F:\WD Passport\pico boulevard 2\model\9500 PICO_DPM_2012-2016_OTHER.DTA
**Output Print File:           F:\WD Passport\pico boulevard 2\model\9500 PICO_DPM_2012-2016_OTHER.LST

**File for Summary of Results:  F:\WD Passport\pico boulevard 2\model\9500 PICO_DPM_2012-2016_OTHER.SUM

*** AERMOD - VERSION 21112  ***   *** 9500 Pico Mixed-Use Project                           ***      02/06/22
*** AERMET - VERSION  16216 ***   *** Diesel Particulate Matter (DPM) / Construction        ***      11:01:41
                                                                                                     PAGE    2
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*


                                       *** VOLUME SOURCE DATA ***

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

C_1            0   0.27417E-03  371130.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_2            0   0.27417E-03  371138.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_3            0   0.27417E-03  371146.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_4            0   0.27417E-03  371154.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_5            0   0.27417E-03  371162.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_6            0   0.27417E-03  371170.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_7            0   0.27417E-03  371178.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_8            0   0.27417E-03  371186.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_9            0   0.27417E-03  371194.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_10           0   0.27417E-03  371202.0 3769121.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_11           0   0.27417E-03  371130.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_12           0   0.27417E-03  371138.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_13           0   0.27417E-03  371146.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_14           0   0.27417E-03  371154.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_15           0   0.27417E-03  371162.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_16           0   0.27417E-03  371170.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_17           0   0.27417E-03  371178.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_18           0   0.27417E-03  371186.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_19           0   0.27417E-03  371194.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_20           0   0.27417E-03  371202.0 3769129.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_21           0   0.27417E-03  371130.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_22           0   0.27417E-03  371138.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_23           0   0.27417E-03  371146.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_24           0   0.27417E-03  371154.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_25           0   0.27417E-03  371162.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_26           0   0.27417E-03  371170.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_27           0   0.27417E-03  371178.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_28           0   0.27417E-03  371186.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_29           0   0.27417E-03  371194.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_30           0   0.27417E-03  371202.0 3769137.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_31           0   0.27417E-03  371130.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_32           0   0.27417E-03  371138.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_33           0   0.27417E-03  371146.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_34           0   0.27417E-03  371154.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_35           0   0.27417E-03  371162.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_36           0   0.27417E-03  371170.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
C_37           0   0.27417E-03  371178.0 3769145.0    60.0    5.00    3.72    1.40    YES    HROFDY
```

```
C_38              0   0.27417E-03  371186.0 3769145.0    60.0    5.00     3.72     1.40     YES   HROFDY
C_39              0   0.27417E-03  371194.0 3769145.0    60.0    5.00     3.72     1.40     YES   HROFDY
C_40              0   0.27417E-03  371202.0 3769145.0    60.0    5.00     3.72     1.40     YES   HROFDY
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                      ***   02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                   ***   11:01:41
                                                                                                             PAGE   3
*** 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       ,
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                      ***   02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                   ***   11:01:41
                                                                                                             PAGE   4
*** 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       ,
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                      ***   02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                   ***   11:01:41
                                                                                                             PAGE   5
*** 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
     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  ***    *** 9500 Pico Mixed-Use Project                                      ***      02/06/22
 *** AERMET - VERSION 16216 ***    *** Diesel Particulate Matter (DPM) / Construction                    ***      11:01:41
                                                                                                                  PAGE   6
 *** 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  ***    *** 9500 Pico Mixed-Use Project                                      ***      02/06/22
 *** AERMET - VERSION 16216 ***    *** Diesel Particulate Matter (DPM) / Construction                    ***      11:01:41
                                                                                                                  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_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
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                    ***        02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                 ***        11:01:41
                                                                                                                 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_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
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                        ***        02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                     ***        11:01:41
                                                                                                                     PAGE   9
*** 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
```

```
*** AERMOD - VERSION 21112  ***    *** 9500 Pico Mixed-Use Project                                        ***        02/06/22
*** AERMET - VERSION  16216 ***    *** Diesel Particulate Matter (DPM) / Construction                     ***        11:01:41
                                                                                                                     PAGE  10
*** 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
```

                    * 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 ***   *** 9500 Pico Mixed-Use Project   ***   02/06/22
*** AERMET - VERSION 16216 ***   *** Diesel Particulate Matter (DPM) / Construction   ***   11:01:41

                                                                                                                 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
```

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


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*


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


   ( 370992.0, 3769225.0,      68.0,      68.0,      2.0);        ( 371002.0, 3769225.0,      68.0,      68.0,      2.0);
   ( 371012.0, 3769225.0,      68.0,      68.0,      2.0);        ( 371022.0, 3769225.0,      68.0,      68.0,      2.0);
   ( 371032.0, 3769225.0,      68.0,      68.0,      2.0);        ( 371042.0, 3769225.0,      68.0,      68.0,      2.0);
   ( 371052.0, 3769225.0,      68.0,      68.0,      2.0);        ( 371002.0, 3769235.0,      68.0,      68.0,      2.0);
   ( 371012.0, 3769235.0,      68.0,      68.0,      2.0);        ( 371022.0, 3769235.0,      68.0,      68.0,      2.0);
   ( 371032.0, 3769235.0,      68.0,      68.0,      2.0);        ( 371042.0, 3769235.0,      68.0,      68.0,      2.0);
   ( 371051.0, 3769235.0,      68.0,      68.0,      2.0);        ( 371012.0, 3769245.0,      68.0,      68.0,      2.0);
   ( 371022.0, 3769245.0,      68.0,      68.0,      2.0);        ( 371032.0, 3769245.0,      68.0,      68.0,      2.0);
   ( 371042.0, 3769245.0,      68.0,      68.0,      2.0);        ( 371022.0, 3769255.0,      68.0,      68.0,      2.0);
   ( 371032.0, 3769255.0,      68.0,      68.0,      2.0);        ( 371041.0, 3769255.0,      68.0,      68.0,      2.0);
   ( 371032.0, 3769265.0,      68.0,      68.0,      2.0);        ( 371092.0, 3769215.0,      63.0,      68.0,      2.0);
   ( 371082.0, 3769225.0,      63.0,      68.0,      2.0);        ( 371092.0, 3769225.0,      63.0,      68.0,      2.0);
   ( 371102.0, 3769225.0,      63.0,      68.0,      2.0);        ( 371112.0, 3769225.0,      63.0,      68.0,      2.0);
   ( 371082.0, 3769235.0,      63.0,      68.0,      2.0);        ( 371092.0, 3769235.0,      63.0,      68.0,      2.0);
   ( 371102.0, 3769235.0,      63.0,      68.0,      2.0);        ( 371112.0, 3769235.0,      63.0,      68.0,      2.0);
   ( 371072.0, 3769245.0,      63.0,      68.0,      2.0);        ( 371082.0, 3769245.0,      63.0,      68.0,      2.0);
   ( 371092.0, 3769245.0,      63.0,      68.0,      2.0);        ( 371102.0, 3769245.0,      63.0,      68.0,      2.0);
   ( 371112.0, 3769245.0,      63.0,      68.0,      2.0);        ( 371072.0, 3769255.0,      63.0,      68.0,      2.0);
   ( 371082.0, 3769255.0,      63.0,      68.0,      2.0);        ( 371092.0, 3769255.0,      63.0,      68.0,      2.0);
   ( 371102.0, 3769255.0,      63.0,      68.0,      2.0);        ( 371062.0, 3769265.0,      63.0,      68.0,      2.0);
   ( 371072.0, 3769265.0,      63.0,      68.0,      2.0);        ( 371082.0, 3769265.0,      63.0,      68.0,      2.0);
   ( 371092.0, 3769265.0,      63.0,      68.0,      2.0);        ( 371102.0, 3769265.0,      63.0,      68.0,      2.0);
   ( 371062.0, 3769275.0,      63.0,      68.0,      2.0);        ( 371072.0, 3769275.0,      63.0,      68.0,      2.0);
   ( 371082.0, 3769275.0,      63.0,      68.0,      2.0);        ( 371092.0, 3769275.0,      63.0,      68.0,      2.0);
   ( 371052.0, 3769285.0,      63.0,      68.0,      2.0);        ( 371062.0, 3769285.0,      63.0,      68.0,      2.0);
   ( 371072.0, 3769285.0,      63.0,      68.0,      2.0);        ( 371082.0, 3769285.0,      63.0,      68.0,      2.0);
   ( 371092.0, 3769285.0,      63.0,      68.0,      2.0);        ( 371072.0, 3769295.0,      63.0,      68.0,      2.0);
   ( 371082.0, 3769295.0,      63.0,      68.0,      2.0);        ( 371120.0, 3769228.7,      63.0,      68.0,      2.0);
```

```
( 371272.0, 3769225.0,     59.0,      68.0,      2.0);      ( 371282.0, 3769225.0,     59.0,      68.0,      2.0);
( 371292.0, 3769225.0,     59.0,      68.0,      2.0);      ( 371302.0, 3769225.0,     59.0,      68.0,      2.0);
( 371312.0, 3769225.0,     59.0,      68.0,      2.0);      ( 371322.0, 3769225.0,     59.0,      68.0,      2.0);
( 371332.0, 3769225.0,     59.0,      68.0,      2.0);      ( 371342.0, 3769225.0,     59.0,      68.0,      2.0);
( 371272.0, 3769235.0,     59.0,      68.0,      2.0);      ( 371282.0, 3769235.0,     59.0,      68.0,      2.0);
( 371292.0, 3769235.0,     59.0,      68.0,      2.0);      ( 371302.0, 3769235.0,     59.0,      68.0,      2.0);
( 371312.0, 3769235.0,     59.0,      68.0,      2.0);      ( 371322.0, 3769235.0,     59.0,      68.0,      2.0);
( 371332.0, 3769235.0,     59.0,      68.0,      2.0);      ( 371272.0, 3769245.0,     59.0,      68.0,      2.0);
( 371282.0, 3769245.0,     59.0,      68.0,      2.0);      ( 371292.0, 3769245.0,     59.0,      68.0,      2.0);
( 371302.0, 3769245.0,     59.0,      68.0,      2.0);      ( 371312.0, 3769245.0,     59.0,      68.0,      2.0);
( 371322.0, 3769245.0,     59.0,      68.0,      2.0);      ( 371272.0, 3769255.0,     59.0,      68.0,      2.0);
( 371282.0, 3769255.0,     59.0,      68.0,      2.0);      ( 371292.0, 3769255.0,     59.0,      68.0,      2.0);
( 371302.0, 3769255.0,     59.0,      68.0,      2.0);      ( 371312.0, 3769255.0,     59.0,      68.0,      2.0);
( 371272.0, 3769265.0,     59.0,      68.0,      2.0);      ( 371282.0, 3769265.0,     59.0,      68.0,      2.0);
( 371292.0, 3769265.0,     59.0,      68.0,      2.0);      ( 371302.0, 3769265.0,     59.0,      68.0,      2.0);
( 371272.0, 3769275.0,     59.0,      68.0,      2.0);      ( 371282.0, 3769275.0,     59.0,      68.0,      2.0);
( 371292.0, 3769275.0,     59.0,      68.0,      2.0);      ( 371272.0, 3769285.0,     59.0,      68.0,      2.0);
```

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

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


( 371282.0, 3769285.0,     59.0,      68.0,      2.0);      ( 371272.0, 3769295.0,     59.0,      68.0,      2.0);
( 371242.0, 3769065.0,     58.0,      68.0,      2.0);      ( 371252.0, 3769065.0,     58.0,      68.0,      2.0);
( 371262.0, 3769065.0,     58.0,      68.0,      2.0);      ( 371272.0, 3769065.0,     58.0,      68.0,      2.0);
( 371282.0, 3769065.0,     58.0,      68.0,      2.0);      ( 371292.0, 3769065.0,     58.0,      68.0,      2.0);
( 371302.0, 3769065.0,     58.0,      68.0,      2.0);      ( 371242.0, 3769075.0,     58.0,      68.0,      2.0);
( 371252.0, 3769075.0,     58.0,      68.0,      2.0);      ( 371262.0, 3769075.0,     58.0,      68.0,      2.0);
( 371272.0, 3769075.0,     58.0,      68.0,      2.0);      ( 371282.0, 3769075.0,     58.0,      68.0,      2.0);
( 371292.0, 3769075.0,     58.0,      68.0,      2.0);      ( 371302.0, 3769075.0,     58.0,      68.0,      2.0);
( 371242.0, 3769085.0,     58.0,      68.0,      2.0);      ( 371252.0, 3769085.0,     58.0,      68.0,      2.0);
( 371262.0, 3769085.0,     58.0,      68.0,      2.0);      ( 371272.0, 3769085.0,     58.0,      68.0,      2.0);
( 371282.0, 3769085.0,     58.0,      68.0,      2.0);      ( 371292.0, 3769085.0,     58.0,      68.0,      2.0);
( 371302.0, 3769085.0,     58.0,      68.0,      2.0);      ( 371242.0, 3769095.0,     58.0,      68.0,      2.0);
( 371252.0, 3769095.0,     58.0,      68.0,      2.0);      ( 371262.0, 3769095.0,     58.0,      68.0,      2.0);
( 371272.0, 3769095.0,     58.0,      68.0,      2.0);      ( 371282.0, 3769095.0,     58.0,      68.0,      2.0);
( 371292.0, 3769095.0,     58.0,      68.0,      2.0);      ( 371302.0, 3769095.0,     58.0,      68.0,      2.0);
( 371242.0, 3769105.0,     58.0,      68.0,      2.0);      ( 371252.0, 3769105.0,     58.0,      68.0,      2.0);
( 371262.0, 3769105.0,     58.0,      68.0,      2.0);      ( 371272.0, 3769105.0,     58.0,      68.0,      2.0);
( 371282.0, 3769105.0,     58.0,      68.0,      2.0);      ( 371292.0, 3769105.0,     58.0,      68.0,      2.0);
( 371302.0, 3769105.0,     58.0,      68.0,      2.0);      ( 371132.0, 3769065.0,     61.0,      68.0,      2.0);
( 371142.0, 3769065.0,     61.0,      68.0,      2.0);      ( 371152.0, 3769065.0,     61.0,      68.0,      2.0);
( 371162.0, 3769065.0,     61.0,      68.0,      2.0);      ( 371172.0, 3769065.0,     61.0,      68.0,      2.0);
( 371182.0, 3769065.0,     61.0,      68.0,      2.0);      ( 371192.0, 3769065.0,     61.0,      68.0,      2.0);
( 371202.0, 3769065.0,     61.0,      68.0,      2.0);      ( 371132.0, 3769075.0,     61.0,      68.0,      2.0);
( 371142.0, 3769075.0,     61.0,      68.0,      2.0);      ( 371152.0, 3769075.0,     61.0,      68.0,      2.0);
( 371162.0, 3769075.0,     61.0,      68.0,      2.0);      ( 371172.0, 3769075.0,     61.0,      68.0,      2.0);
( 371182.0, 3769075.0,     61.0,      68.0,      2.0);      ( 371192.0, 3769075.0,     61.0,      68.0,      2.0);
( 371202.0, 3769075.0,     61.0,      68.0,      2.0);      ( 371132.0, 3769085.0,     61.0,      68.0,      2.0);
( 371142.0, 3769085.0,     61.0,      68.0,      2.0);      ( 371152.0, 3769085.0,     61.0,      68.0,      2.0);
( 371162.0, 3769085.0,     61.0,      68.0,      2.0);      ( 371172.0, 3769085.0,     61.0,      68.0,      2.0);
( 371182.0, 3769085.0,     61.0,      68.0,      2.0);      ( 371192.0, 3769085.0,     61.0,      68.0,      2.0);
( 371202.0, 3769085.0,     61.0,      68.0,      2.0);      ( 371132.0, 3769095.0,     61.0,      68.0,      2.0);
( 371142.0, 3769095.0,     61.0,      68.0,      2.0);      ( 371152.0, 3769095.0,     61.0,      68.0,      2.0);
( 371162.0, 3769095.0,     61.0,      68.0,      2.0);      ( 371172.0, 3769095.0,     61.0,      68.0,      2.0);
( 371182.0, 3769095.0,     61.0,      68.0,      2.0);      ( 371192.0, 3769095.0,     61.0,      68.0,      2.0);
( 371202.0, 3769095.0,     61.0,      68.0,      2.0);      ( 371132.0, 3769105.0,     61.0,      68.0,      2.0);
( 371142.0, 3769105.0,     61.0,      68.0,      2.0);      ( 371152.0, 3769105.0,     61.0,      68.0,      2.0);
( 371162.0, 3769105.0,     61.0,      68.0,      2.0);      ( 371172.0, 3769105.0,     61.0,      68.0,      2.0);
( 371182.0, 3769105.0,     61.0,      68.0,      2.0);      ( 371192.0, 3769105.0,     61.0,      68.0,      2.0);
( 371202.0, 3769105.0,     61.0,      68.0,      2.0);      ( 371032.0, 3769065.0,     63.0,      68.0,      2.0);
( 371042.0, 3769065.0,     63.0,      68.0,      2.0);      ( 371052.0, 3769065.0,     63.0,      68.0,      2.0);
( 371062.0, 3769065.0,     63.0,      68.0,      2.0);      ( 371072.0, 3769065.0,     63.0,      68.0,      2.0);
( 371082.0, 3769065.0,     63.0,      68.0,      2.0);      ( 371092.0, 3769065.0,     63.0,      68.0,      2.0);
( 371102.0, 3769065.0,     63.0,      68.0,      2.0);      ( 371032.0, 3769075.0,     63.0,      68.0,      2.0);
( 371042.0, 3769075.0,     63.0,      68.0,      2.0);      ( 371052.0, 3769075.0,     63.0,      68.0,      2.0);
( 371062.0, 3769075.0,     63.0,      68.0,      2.0);      ( 371072.0, 3769075.0,     63.0,      68.0,      2.0);
```

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

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

```
( 371082.0, 3769075.0,     63.0,      68.0,       2.0);       ( 371092.0, 3769075.0,     63.0,      68.0,       2.0);
( 371102.0, 3769075.0,     63.0,      68.0,       2.0);       ( 371032.0, 3769085.0,     63.0,      68.0,       2.0);
( 371042.0, 3769085.0,     63.0,      68.0,       2.0);       ( 371052.0, 3769085.0,     63.0,      68.0,       2.0);
( 371062.0, 3769085.0,     63.0,      68.0,       2.0);       ( 371072.0, 3769085.0,     63.0,      68.0,       2.0);
( 371082.0, 3769085.0,     63.0,      68.0,       2.0);       ( 371092.0, 3769085.0,     63.0,      68.0,       2.0);
( 371102.0, 3769085.0,     63.0,      68.0,       2.0);       ( 371072.0, 3769095.0,     63.0,      68.0,       2.0);
( 371082.0, 3769095.0,     63.0,      68.0,       2.0);       ( 371092.0, 3769095.0,     63.0,      68.0,       2.0);
( 371102.0, 3769095.0,     63.0,      68.0,       2.0);       ( 371072.0, 3769105.0,     63.0,      68.0,       2.0);
( 371082.0, 3769105.0,     63.0,      68.0,       2.0);       ( 371092.0, 3769105.0,     63.0,      68.0,       2.0);
( 371102.0, 3769105.0,     63.0,      68.0,       2.0);
```

*** AERMOD - VERSION 21112 ***   *** 9500 Pico Mixed-Use Project   ***   02/06/22
*** AERMET - VERSION 16216 ***   *** Diesel Particulate Matter (DPM) / Construction   ***   11:01:41
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT URBAN ADJ_U*

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

```
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1    1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** AERMOD - VERSION 21112 ***   *** 9500 Pico Mixed-Use Project   ***   02/06/22
*** AERMET - VERSION 16216 ***   *** Diesel Particulate Matter (DPM) / Construction   ***   11:01:41
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT URBAN ADJ_U*

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

```
 Surface file:  f:\WD Passport\pico boulevard 2\metdata\KSMO_v9.SFC                              Met Version: 16216
 Profile file:  f:\WD Passport\pico boulevard 2\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	102.0	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)

*** AERMOD - VERSION 21112  ***   *** 9500 Pico Mixed-Use Project                                          ***      02/06/22
*** AERMET - VERSION  16216 ***   *** Diesel Particulate Matter (DPM) / Construction                       ***      11:01:41
                                                                                                                    PAGE  18
*** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      370992.00    3769225.00     0.01013               371002.00    3769225.00     0.01115
      371012.00    3769225.00     0.01230               371022.00    3769225.00     0.01359
      371032.00    3769225.00     0.01505               371042.00    3769225.00     0.01669
      371052.00    3769225.00     0.01854               371002.00    3769235.00     0.01038
      371012.00    3769235.00     0.01138               371022.00    3769235.00     0.01249
      371032.00    3769235.00     0.01373               371042.00    3769235.00     0.01512
      371051.00    3769235.00     0.01650               371012.00    3769245.00     0.01051
      371022.00    3769245.00     0.01147               371032.00    3769245.00     0.01252
      371042.00    3769245.00     0.01369               371022.00    3769255.00     0.01052
      371032.00    3769255.00     0.01142               371041.00    3769255.00     0.01231
      371032.00    3769265.00     0.01043               371092.00    3769215.00     0.03803
      371082.00    3769225.00     0.02898               371092.00    3769225.00     0.03253
      371102.00    3769225.00     0.03659               371112.00    3769225.00     0.04131
      371082.00    3769235.00     0.02521               371092.00    3769235.00     0.02802
      371102.00    3769235.00     0.03121               371112.00    3769235.00     0.03491
      371072.00    3769245.00     0.02003               371082.00    3769245.00     0.02205
      371092.00    3769245.00     0.02431               371102.00    3769245.00     0.02686
      371112.00    3769245.00     0.02980               371072.00    3769255.00     0.01774
      371082.00    3769255.00     0.01939               371092.00    3769255.00     0.02123
      371102.00    3769255.00     0.02330               371062.00    3769265.00     0.01453
      371072.00    3769265.00     0.01577               371082.00    3769265.00     0.01714
      371092.00    3769265.00     0.01866               371102.00    3769265.00     0.02035
      371062.00    3769275.00     0.01304               371072.00    3769275.00     0.01409
      371082.00    3769275.00     0.01523               371092.00    3769275.00     0.01649
      371052.00    3769285.00     0.01094               371062.00    3769285.00     0.01175
      371072.00    3769285.00     0.01264               371082.00    3769285.00     0.01360
      371092.00    3769285.00     0.01466               371072.00    3769295.00     0.01138
      371082.00    3769295.00     0.01220               371119.98    3769228.69     0.04280
      371272.00    3769225.00     0.14496               371282.00    3769225.00     0.13313
      371292.00    3769225.00     0.12116               371302.00    3769225.00     0.10954
      371312.00    3769225.00     0.09857               371322.00    3769225.00     0.08843
      371332.00    3769225.00     0.07919               371342.00    3769225.00     0.07086
      371272.00    3769235.00     0.12891               371282.00    3769235.00     0.12062
      371292.00    3769235.00     0.11172               371302.00    3769235.00     0.10266
      371312.00    3769235.00     0.09376               371322.00    3769235.00     0.08526
      371332.00    3769235.00     0.07728               371272.00    3769245.00     0.11380
      371282.00    3769245.00     0.10826               371292.00    3769245.00     0.10189
      371302.00    3769245.00     0.09504               371312.00    3769245.00     0.08804
      371322.00    3769245.00     0.08110               371272.00    3769255.00     0.09997
      371282.00    3769255.00     0.09652               371292.00    3769255.00     0.09215
```

*** 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
 -
       371302.00   3769255.00   0.08716   371312.00   3769255.00   0.08180
       371272.00   3769265.00   0.08757   371282.00   3769265.00   0.08564
       371292.00   3769265.00   0.08283   371302.00   3769265.00   0.07934
       371272.00   3769275.00   0.07660   371282.00   3769275.00   0.07577
       371292.00   3769275.00   0.07413   371272.00   3769285.00   0.06699
       371282.00   3769285.00   0.06693   371272.00   3769295.00   0.05864
       371242.00   3769065.00   0.04784   371252.00   3769065.00   0.04022
       371262.00   3769065.00   0.03392   371272.00   3769065.00   0.02878
       371282.00   3769065.00   0.02459   371292.00   3769065.00   0.02118
       371302.00   3769065.00   0.01838   371242.00   3769075.00   0.05750
       371252.00   3769075.00   0.04735   371262.00   3769075.00   0.03929
       371272.00   3769075.00   0.03292   371282.00   3769075.00   0.02788
       371292.00   3769075.00   0.02386   371302.00   3769075.00   0.02062
       371242.00   3769085.00   0.06975   371252.00   3769085.00   0.05623
       371262.00   3769085.00   0.04597   371272.00   3769085.00   0.03814
       371282.00   3769085.00   0.03208   371292.00   3769085.00   0.02733
       371302.00   3769085.00   0.02354   371242.00   3769095.00   0.08588
       371252.00   3769095.00   0.06798   371262.00   3769095.00   0.05495
       371272.00   3769095.00   0.04526   371282.00   3769095.00   0.03788
       371292.00   3769095.00   0.03214   371302.00   3769095.00   0.02758
       371242.00   3769105.00   0.10905   371252.00   3769105.00   0.08520
       371262.00   3769105.00   0.06823   371272.00   3769105.00   0.05576
       371282.00   3769105.00   0.04633   371292.00   3769105.00   0.03904
       371302.00   3769105.00   0.03328   371132.00   3769065.00   0.08556
       371142.00   3769065.00   0.09135   371152.00   3769065.00   0.09484
       371162.00   3769065.00   0.09565   371172.00   3769065.00   0.09370
       371182.00   3769065.00   0.08918   371192.00   3769065.00   0.08246
       371202.00   3769065.00   0.07415   371132.00   3769075.00   0.11279
       371142.00   3769075.00   0.12216   371152.00   3769075.00   0.12789
       371162.00   3769075.00   0.12940   371172.00   3769075.00   0.12663
       371182.00   3769075.00   0.11983   371192.00   3769075.00   0.10960
       371202.00   3769075.00   0.09689   371132.00   3769085.00   0.15278
       371142.00   3769085.00   0.16839   371152.00   3769085.00   0.17798
       371162.00   3769085.00   0.18079   371172.00   3769085.00   0.17682
       371182.00   3769085.00   0.16644   371192.00   3769085.00   0.15040
       371202.00   3769085.00   0.13024   371132.00   3769095.00   0.21346
       371142.00   3769095.00   0.24021   371152.00   3769095.00   0.25636
       371162.00   3769095.00   0.26149   371172.00   3769095.00   0.25600
       371182.00   3769095.00   0.24019   371192.00   3769095.00   0.21460
       371202.00   3769095.00   0.18132   371132.00   3769105.00   0.31015

*** 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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      371142.00    3769105.00        0.35716                     371152.00    3769105.00        0.38401
      371162.00    3769105.00        0.39323                     371172.00    3769105.00        0.38659
      371182.00    3769105.00        0.36382                     371192.00    3769105.00        0.32340
      371202.00    3769105.00        0.26574                     371032.00    3769065.00        0.02246
      371042.00    3769065.00        0.02561                     371052.00    3769065.00        0.02930
      371062.00    3769065.00        0.03362                     371072.00    3769065.00        0.03863
      371082.00    3769065.00        0.04437                     371092.00    3769065.00        0.05081
      371102.00    3769065.00        0.05782                     371032.00    3769075.00        0.02421
      371042.00    3769075.00        0.02791                     371052.00    3769075.00        0.03236
      371062.00    3769075.00        0.03771                     371072.00    3769075.00        0.04413
      371082.00    3769075.00        0.05175                     371092.00    3769075.00        0.06065
      371102.00    3769075.00        0.07072                     371032.00    3769085.00        0.02585
      371042.00    3769085.00        0.03013                     371052.00    3769085.00        0.03539
      371062.00    3769085.00        0.04191                     371072.00    3769085.00        0.05000
      371082.00    3769085.00        0.06002                     371092.00    3769085.00        0.07227
      371102.00    3769085.00        0.08688                     371072.00    3769095.00        0.05589
      371082.00    3769095.00        0.06877                     371092.00    3769095.00        0.08540
      371102.00    3769095.00        0.10657                     371072.00    3769105.00        0.06125
      371082.00    3769105.00        0.07718                     371092.00    3769105.00        0.09896
      371102.00    3769105.00        0.12892
```

*** AERMOD - VERSION 21112 ***   *** 9500 Pico Mixed-Use Project   ***   02/06/22
*** AERMET - VERSION 16216 ***   *** Diesel Particulate Matter (DPM) / Construction   ***   11:01:41
                                                                                                             PAGE 21
 *** 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   **

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

ALL   1ST HIGHEST VALUE IS   0.39323 AT (371162.00, 3769105.00,   61.00,   68.00,   2.00) DC
         2ND HIGHEST VALUE IS   0.38659 AT (371172.00, 3769105.00,   61.00,   68.00,   2.00) DC
         3RD HIGHEST VALUE IS   0.38401 AT (371152.00, 3769105.00,   61.00,   68.00,   2.00) DC
         4TH HIGHEST VALUE IS   0.36382 AT (371182.00, 3769105.00,   61.00,   68.00,   2.00) DC
         5TH HIGHEST VALUE IS   0.35716 AT (371142.00, 3769105.00,   61.00,   68.00,   2.00) DC
         6TH HIGHEST VALUE IS   0.32340 AT (371192.00, 3769105.00,   61.00,   68.00,   2.00) DC
         7TH HIGHEST VALUE IS   0.31015 AT (371132.00, 3769105.00,   61.00,   68.00,   2.00) DC
         8TH HIGHEST VALUE IS   0.26574 AT (371202.00, 3769105.00,   61.00,   68.00,   2.00) DC
         9TH HIGHEST VALUE IS   0.26149 AT (371162.00, 3769095.00,   61.00,   68.00,   2.00) DC
        10TH HIGHEST VALUE IS   0.25636 AT (371152.00, 3769095.00,   61.00,   68.00,   2.00) DC

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

*** AERMOD - VERSION 21112 ***   *** 9500 Pico Mixed-Use Project   ***   02/06/22
*** AERMET - VERSION 16216 ***   *** Diesel Particulate Matter (DPM) / Construction   ***   11:01:41
                                                                                                             PAGE 22
 *** 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   352   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

ME W187   352   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

ATTACHMENT E

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