Appendix C Construction Health Risk Assessment

Appendices

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1. Construction Health Risk Assessment

1.1 INTRODUCTION

The Chaffey Community College District (District) is proposing the redevelopment and modernization of the existing Chaffey College Rancho Cucamonga campus. The approximately 200-acre campus is in the City of Rancho Cucamonga, San Bernardino County, California. It is bounded by Haven Avenue to the west, residences to the east, Wilson Avenue to the north, and Banyan Street to the south. The project would result in demolition of some of the existing campus buildings, construction of new campus buildings, and renovation of some of the existing campus buildings and facilities. Overall, the proposed project would involve demolition, site preparation, grading, trenching, building construction, architectural coating, and paving. The following provides the background methodology used for the construction health risk assessment for the proposed project.

Project construction would occur over 5 development phases and is anticipated to take place between year 2026 and year 2050. Construction would not occur continuously over this period, but is anticipated to occur in years 2026, 2027, 2030, 2031, 2038, 2042, 2049, and 2050 (approximately 1,243 total workdays over a 25-year span). While the projected buildout of Phase 5 is anticipated for year 2051, for purposes of this analysis, a buildout year of 2050 is utilized because it is the latest year in which the California Emissions Estimator Model (CalEEMod) has on-road vehicle emissions data available. In general, vehicle emission rates decrease each passing year due to the assumption that older vehicles are replaced by newer cleaner vehicles. Based on this general trend, use of year 2050 emissions data would be either similar to or slightly more conservative compared to year 2051 emissions data if it was available.

The nearest off-site sensitive receptors to the project site include the surrounding single-family residences to the east and students Banyan Elementary School near the southeast quadrant of the campus. Guidance from the California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment (OEHHA), and California Air Pollution Control Officers Association (CAPCOA) recommend the completion of health risk assessments (HRA) to determine the impacts of hazardous air emissions upon sensitive receptors in the vicinity of the project. As a result, a site-specific construction health risk assessment (HRA) has been prepared for the proposed project. This HRA considers the health impact to sensitive receptors (adults and children in the nearby residences and school site) of construction emissions at the project site from diesel equipment exhaust (diesel particulate matter or DPM).

1.2 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

For this HRA, the South Coast Air Quality Management District (South Coast AQMD) significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0

The methodology used in this HRA is consistent with the following OEHHA guidance documents:

- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* February, 2015.

Potential exposures to DPM from project construction was evaluated for off-site sensitive receptors in close proximity to the site. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds adopted for this HRA.

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA 2005) and the Office of Environmental Health Hazard Assessment (OEHHA 2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

For residential-based receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed off-site residential receptors (both children and adults) stood outdoors and are subject to DPM at their residence for 8 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day outdoors at their residences (USEPA 2011). This would result in lower exposures to construction related DPM emissions and lower estimated risk values.

- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA 2015).

For school-based receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed school receptors (Banyan Elementary School at 10900 Mirador Drive, offering kindergarten through 6th grade) stood outdoors and are subject to DPM for 8 hours per day, and approximately 180 school days per year. In reality, students are exposed to outdoor pollutant concentration levels for a portion of the day and are exposed to reduced indoor pollutant concentrations for the remaining hours. This would result in lower estimated risk values.

- The calculated risk for students age 2 to 16 is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA 2015).

1.3 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and CalEEMod Version 2020.4.0 (CAPCOA 2021). Construction modeling considered

years 2026-2027 for Phase 1 construction activities, years 2030-2031 for Phase 2, year 2038 for Phase 3, year 2042 for Phase 4, and years 2049-2050 for Phase 5. DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs) per day.

The project was assumed to have a cumulative duration of 1,243 workdays between January 2026 and July 2050. The average daily emission rates from construction equipment used during the proposed project were determined by dividing the annual average emissions for each construction year by the number of construction days per year for each calendar year of construction (i.e., 2026, 2027, 2030, 2031, 2038, 2042, 2049, and 2050). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 2.35-mile haul route within 1,000 feet of the project site. The CalEEMod construction emissions output and emission rate calculations are provided in Appendix A of the HRA.

1.4 DISPERSION MODELING

Air quality modeling was performed using the AERMOD atmospheric dispersion model to assess the impact of emitted compounds on sensitive receptors near the project. The model is a steady state Gaussian plume model and is an approved model by South Coast AQMD for estimating ground level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as poly-area sources. The off-site mobile sources were modeled as adjacent line volume sources. The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction emission rates are those described in Section 1.3. Meteorological data obtained from the South Coast AQMD for the nearest representative meteorological station (Upland) with the five latest available years (2012 to 2016) of record were used to represent local weather conditions and prevailing winds (South Coast AQMD 2022). The prevailing wind direction at the Upland meteorological station is to the east-northeast, and the wind rose is provided in Appendix A.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. In addition, digital elevation model (DEM) data for the area were obtained and included in the model runs to account for complex terrain. An emission release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 m was used, per California Air Resources Board (CARB) guidance (2000).

To determine contaminant impacts during construction hours, the model's Hour-By-Day-of-Week (HRDOW) scalar option was invoked to predict ground level concentrations for construction emissions generated from Monday through Friday between the hours of 7:00 AM and 4:00 PM with a 1-hour lunch break.

A unit emission rate of 1 gram per second was used for all modeling runs. The unit emission rates were proportioned over the poly-area sources for on-site construction emissions and divided between the volume sources for off-site hauling emissions. The maximum modeled concentrations from the output files were then multiplied by the emission rates calculated in Appendix A to obtain the maximum flagpole-level concentrations at the off-site maximum exposed individual resident (MEIR). As shown in Figure 1, the MEIR is the single-family residence at the of the Antietam Drive cul-de-sac along the eastern boundary of the

campus while the maximum exposed school receptor lies within the northwestern portion of the Banyan Elementary School campus situated across Banyan Street near the southeast corner of the Rancho Cucamonga campus. The maximum exposed receptor location is the receptor location associated with the maximum AERMOD predicted DPM concentrations from the on-site emission source because the calculated on-site emission rates are approximately one to two orders of magnitude higher than the calculated off-site emission rates (see Appendix A). Therefore, the maximum concentrations associated with the on-site emission sources produce the highest overall ground-level maximum exposed receptor concentrations and, consequently, highest calculated health risks. Furthermore, the overall MEIR and maximum exposed school receptor are based on the MEIR and maximum exposed school receptor determined for Phase 1 due to the overall anticipated active construction areas, the construction intensities, and having the highest on-road and off-road emission rates because it would occur the earliest out of the five development phases.

The air dispersion model output for the emission sources is presented in Appendix B. The DPM concentrations at the MEIR and maximum exposed school receptor are provided in Appendix C.

1.5 RISK CHARACTERIZATION

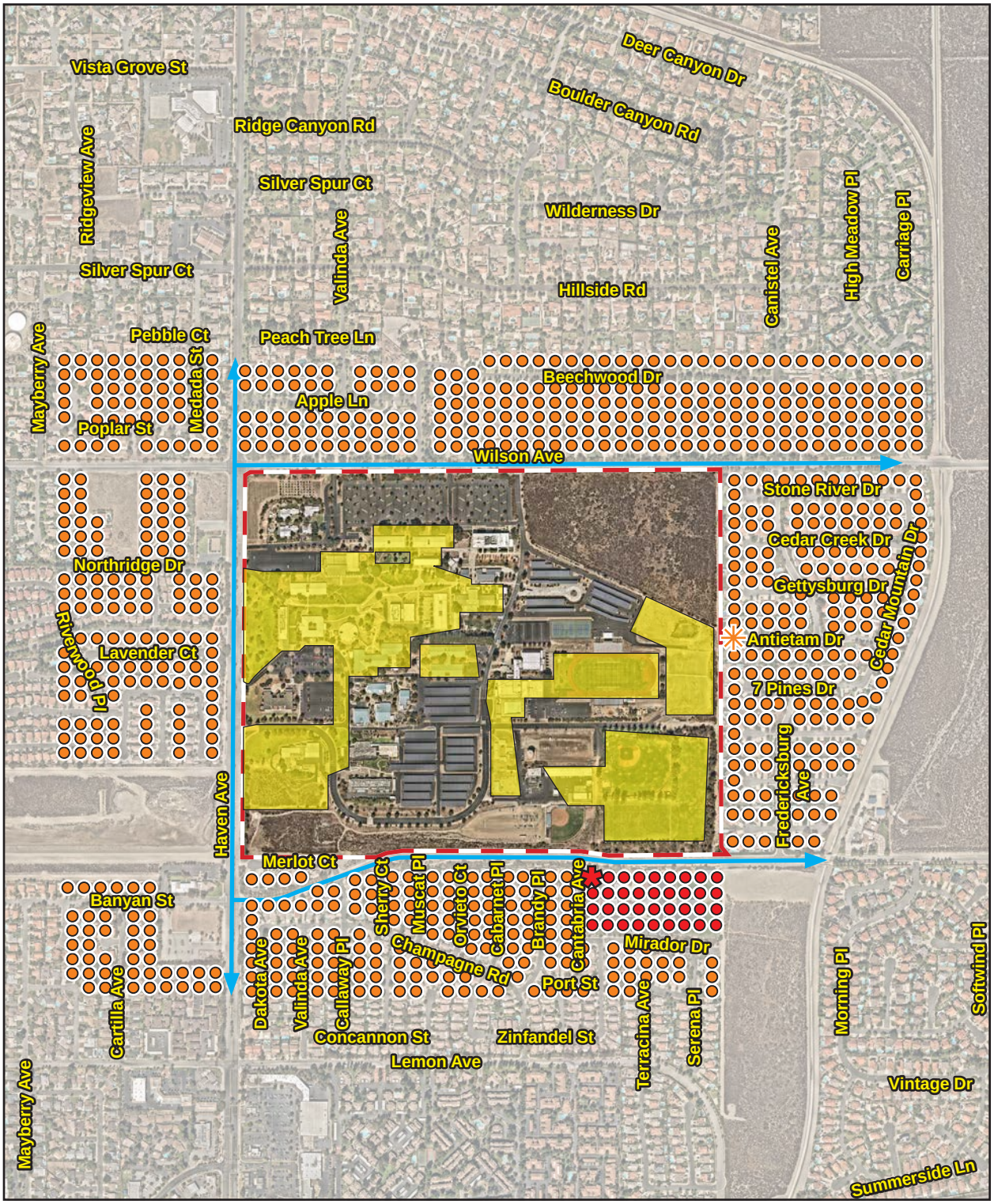
1.5.1 Carcinogenic Chemical Risk

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Therefore, any exposure will have some associated risk. The South Coast AQMD has established a maximum incremental cancer risk of 10 in a million (1×10^{-5} or 10×10^{-6}) for CEQA projects and the OEHHA also sets a typical risk management level as 10 in a million (OEHHA 2015).

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. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$), averaged over a lifetime of 70 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASFs) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, the following dose algorithm was used to accommodate the unique exposures associated with each receptor type.

Figure 1 - Project Sources and Off-Site Receptor Locations



Source: Nearmap, 2022

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$$\text{Dose}_{\text{AIR,per age group}} = (C_{air} \times EF \times [\frac{BR}{BW}] \times A \times CF)$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg-day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA 2015). For Banyan Elementary School, an EF of 0.49 is used to represent the traditional school calendar of 180 days per year (OEHHA, 2004).

For construction analysis, the residential exposure duration spans the length of construction (e.g., 1,243 work total days over 25-year span). The 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the various age groups are provided herein:

Age Groups	BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	0.85
0-2 age group	1,090	1.28	10	0.85
2-9 age group	861	0.94	3	0.72
2-16 age group	745	0.68	3	0.72
16-30 age group	335	1.61	1	0.73

For elementary school students, the 95th percentile 8-hour breathing rates (moderate intensity activity), ED of 2.48 years (kindergarten through 6th grade, assuming 6th graders complete the academic year by June), and ASF, for the 2- to 16-year-old (years 2026-2027, and 2030-2031) age group is provided below:

Age Groups	BR/BW (L/kg-day)	ED, 2.48 years	ASF
2-16 age group	520	2.48	3

The first cumulative 2.48 years of construction was used as the exposure duration because the highest DPM emissions occur within that period of time and would result in conservative health risk estimates for students.

To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

Where:

$Dose_{AIR}$	=	dose by inhalation (mg/kg-day), per age group
CPF	=	cancer potency factor, chemical-specific $(mg/kg\text{-}day)^{-1}$
ASF	=	age sensitivity factor, per age group
FAH	=	fraction of time at home, per age group (for residential receptors only)
ED	=	exposure duration (years)
AT	=	averaging time period over which exposure duration is averaged (70 years)

The CPFs used in the assessment were obtained from OEHHA guidance. The excess lifetime cancer risks during the construction period to the maximally exposed resident were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e., 1 million).

The calculated results are provided in Appendix C.

1.5.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential non-cancer effects of chronic chemical exposures. Adverse health effects are evaluated by comparing the annual receptor level concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

The hazard index approach was used to quantify non-carcinogenic impacts. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). Target organs presented in regulatory guidance were used for each discrete chemical exposure. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. This ratio is summed for compounds affecting the same toxicological endpoint. A health hazard is presumed to exist where the total equals or exceeds one.

The chronic hazard analysis for DPM is provided in Appendix C. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

1.6 CONSTRUCTION HRA RESULTS

The calculated results are provided in Appendix C and the results are summarized in Table 1.

TABLE 1. CONSTRUCTION RISK SUMMARY

Receptor	Cancer Risk (per million)	Chronic Hazards
Maximum Exposed Individual Resident (MEIR)	3.93	0.01
Maximum Exposed School Receptor	0.02	0.001
South Coast AQMD Threshold	10	1.0
Exceeds Threshold?	**No**	**No**

Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

Cancer risk for the MEIR from project-related construction activities was calculated to be 3.93 in a million and would not exceed the 10 in a million-significance threshold. In addition, cancer risk for the maximum exposed school receptor was calculated to be 0.02 in a million and would also not exceed the 10 in a million-significance threshold. For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint totaled less than one for all the off-site sensitive receptors. Therefore, chronic non-carcinogenic hazards are less than significant.

Therefore, the project would not expose off-site sensitive receptors to substantial concentrations of air pollutant emissions during construction and impacts would be less than significant.

2. References

California Air Pollution Control Officers Association (CAPCOA). 2021. California Emissions Estimator Model (CalEEMod). Version 2020.4. Prepared by: ENVIRON International Corporation and the California Air Districts.

California Air Resources Board (CARB). 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.*

Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* Dated February 2015.

———. 2004. *Guidance for School Site Risk Assessment Pursuant to Health and Safety Code Section 901(f): Guidance for Assessing Exposures and Health Risks at Existing and Proposed School Sites.* Dated February 2004.

South Coast Air Quality Management District (South Coast AQMD). 2022, January 16 (accessed). 2012-2016. Meteorological Data Set for Upland Meteorological Station. http://www.aqmd.gov/home/air-quality/meteorological-data/data-for-aermod.

United States Environmental Protection Agency (USEPA). 2011. *Exposure Factors Handbook 2011 Edition (Final).* EPA/600/R-09/052F, 2011.

_____. 2005. *Guideline on Air Quality Models* (Revised). EPA-450/2-78-027R.

Appendix A. Emission Rate Calculations

Average Daily Emissions and Emission Rates

Onsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Total Workdays/ Year	Construction Duration (Yr)[2]
P1	2026	0.0840	167.92	261	0.64	8.04E-02	1.01E-02	261	1.00
	2027	0.0308	61.62	139	0.44	5.54E-02	6.98E-03	261	0.53
P2	2030	0.0080	15.90	109	0.15	1.82E-02	2.30E-03	261	0.42
	2031	0.0084	16.78	137	0.12	1.53E-02	1.93E-03	261	0.52
P3	2038	0.0025	5.04	113	0.04	5.58E-03	7.02E-04	261	0.43
P4	2042	0.0023	4.50	238	0.02	2.36E-03	2.98E-04	261	0.91
P5	2049	0.0134	26.86	110	0.24	3.05E-02	3.85E-03	261	0.42
	2050	0.0049	9.76	136	0.07	8.97E-03	1.13E-03	260	0.52
				1,243					**4.76**

Offsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day)[3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
P1	2026	0.0046	9.280	261	3.56E-02	4.17E-03	5.22E-04	6.58E-05
	2027	0.0021	4.3	139	3.08E-02	3.62E-03	4.52E-04	5.69E-05
P2	2030	0.0005	1.0	109	9.54E-03	1.12E-03	1.40E-04	1.76E-05
	2031	0.0004	0.9	137	6.28E-03	7.37E-04	9.21E-05	1.16E-05
P3	2038	0.0001	0.3	113	2.30E-03	7.83E-04	9.79E-05	1.23E-05
P4	2042	0.0003	0.7	238	2.86E-03	3.35E-04	4.19E-05	5.28E-06
P5	2049	0.0010	2.1	110	1.89E-02	2.22E-03	2.78E-04	3.50E-05
	2050	0.0004	0.7	136	5.44E-03	6.39E-04	7.99E-05	1.01E-05

Note: Emissions evenly distributed over 210 modeled volume sources.

	Phase 1			Phase 2			Phase 3	Phase 4			Phase 5		
	Demolition		Grading	Demolition		Grading	Vendor	Demolition	Asphalt Demolition	Grading	Building Demolition	Asphalt Demolition	Grading
Haul Length (miles)	20			20			6.9	20			20		
Number of Haul Trips	294			368			n/a	132			364		

	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	
Hauling Length (miles)[3]	20.00	20.00	6.90	20.00	20.00	miles
Haul Length within 1,000 ft of Site (mile)[4]	2.35	2.35	2.35	2.35	2.35	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks)[5]	8	8	8	8	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod annual emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Offsite trip length is based on the CalEEMod default vendor trip length for Phase 3. Phase1, Phase 2, Phase 4, and Phase 5 haul lengths are the weighted average based on the haul trip distances and haul trips associated with building and asphalt demolition debris haul.

[4] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances, are adjusted to evaluate emissions from the **2.35-**mile route within 1,000 of the project site.

[5] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App B - Air Dispersion Model Output Files).

Annual Construction Emissions

Phase 1 - Asphalt Demolition

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2026**					
Fugitive Dust		0	0.0135	2.04E-03	0	2.04E-03
Off-Road		8.53E-03	8.53E-03		7.92E-03	7.92E-03
Total		**8.53E-03**	**2.20E-02**	**2.04E-03**	**7.92E-03**	**9.96E-03**
Offsite						
Hauling		1.70E-04	2.53E-03	6.50E-04	1.60E-04	8.10E-04
Vendor		1.00E-05	2.50E-04	7.00E-05	1.00E-05	8.00E-05
Worker		1.00E-05	1.52E-03	4.10E-04	1.00E-05	4.10E-04
Total		**1.90E-04**	**4.30E-03**	**1.13E-03**	**1.80E-04**	**1.30E-03**
TOTAL		***0.0087***	***0.0263***	***0.0032***	***0.0081***	***0.0113***

Phase 1 - Site Preparation

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2026**					
Fugitive Dust		0	0.042	2.16E-02	0	2.16E-02
Off-Road		5.43E-03	5.43E-03		5.00E-03	5.00E-03
Total		**5.43E-03**	**4.75E-02**	**2.16E-02**	**5.00E-03**	**2.66E-02**
Offsite						
Hauling		0	0	0	0	0
Vendor		1.00E-05	2.50E-04	7.00E-05	1.00E-05	8.00E-05
Worker		0.00E+00	9.10E-04	2.40E-04	0.00E+00	2.50E-04
Total		**1.00E-05**	**1.16E-03**	**3.10E-04**	**1.00E-05**	**3.30E-04**
TOTAL		***0.0054***	***0.0487***	***0.0219***	***0.0050***	***0.0269***

Phase 1 - Grading

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total		
Onsite	**2026**							
Fugitive Dust		0	0.059	2.34E-02	0	2.34E-02		
Off-Road		1.70E-02	1.70E-02		1.56E-02	1.56E-02	0.0494	0.0494
Total		**1.70E-02**	**7.60E-02**	**0.0234**	**1.56E-02**	**3.90E-02**	0.0494	0.0494
Offsite								
Hauling		0	0	0	0	0		
Vendor		6.00E-05	1.48E-03	4.10E-04	6.00E-05	4.70E-04		
Worker		1.00E-05	3.05E-03	8.10E-04	1.00E-05	8.20E-04		
Total		**7.00E-05**	**4.53E-03**	**1.22E-03**	**7.00E-05**	**1.29E-03**		
TOTAL		***0.0171***	***0.0805***	***0.0246***	***0.0157***	***0.0403***		

Phase 1 - Building Construction

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2026**					
Off-Road		5.30E-02	5.30E-02		4.99E-02	4.99E-02
Total		**5.30E-02**	**5.30E-02**		**4.99E-02**	**4.99E-02**
Offsite						
Hauling		0	0	0	0	0
Vendor		2.96E-03	0.0706	0.0197	2.83E-03	0.0226
Worker		1.41E-03	0.2991	0.0796	1.30E-03	0.0809
Total		**4.37E-03**	**0.3697**	**0.0993**	**4.13E-03**	**0.1034**
TOTAL		***0.0574***	***0.4227***	***0.0993***	***0.0540***	***0.1533***

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2027**					
Off-Road		2.61E-02	2.61E-02		2.46E-02	2.46E-02
Total		**2.61E-02**	**2.61E-02**		**2.46E-02**	**2.46E-02**
Offsite						
Hauling		0	0	0	0	0
Vendor		1.45E-03	0.0348	9.72E-03	1.38E-03	0.0111
Worker		6.50E-04	0.1473	0.0392	6.00E-04	0.0398

	Total	**2.10E-03**	**0.182**	**0.0489**	**1.98E-03**	**0.0509**
TOTAL		***0.0282***	***0.2081***	***0.0489***	***0.0266***	***0.0755***

Phase 1 - Paving

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2027**					
Off-Road		4.19E-03	4.19E-03		3.85E-03	3.85E-03
Paving		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Total		**4.19E-03**	**4.19E-03**		**3.85E-03**	**3.85E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		1.00E-05	1.52E-03	4.10E-04	1.00E-05	4.10E-04
Total		**1.00E-05**	**1.52E-03**	**4.10E-04**	**1.00E-05**	**4.10E-04**
TOTAL		***0.0042***	***0.0057***	***0.0004***	***0.0039***	***0.0043***

Phase 1 - Architectural Coating

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2027**					
Archit. Coating		0	0		0	0
Off-Road		5.20E-04	5.20E-04		5.20E-04	5.20E-04
Total		**5.20E-04**	**5.20E-04**		**5.20E-04**	**5.20E-04**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		3.00E-05	5.99E-03	1.59E-03	2.00E-05	1.62E-03
Total		**3.00E-05**	**5.99E-03**	**1.59E-03**	**2.00E-05**	**1.62E-03**
TOTAL		***0.0006***	***0.0065***	***0.0016***	***0.0005***	***0.0021***

Phase 2 - Demolition

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2030**					
Fugitive Dust		0	0.017	2.57E-03	0	2.57E-03
Off-Road		2.15E-03	2.15E-03		2.15E-03	2.15E-03
Total		**2.15E-03**	**1.91E-02**	**2.57E-03**	**2.15E-03**	**4.72E-03**
Offsite						
Hauling		2.00E-04	3.15E-03	8.20E-04	1.90E-04	1.01E-03
Vendor		1.00E-05	2.50E-04	7.00E-05	1.00E-05	8.00E-05
Worker		0.00E+00	1.32E-03	3.50E-04	0.00E+00	3.60E-04
Total		**2.10E-04**	**4.72E-03**	**1.24E-03**	**2.00E-04**	**1.45E-03**
TOTAL		***0.0024***	***0.0238***	***0.0038***	***0.0024***	***0.0062***

Phase 2 - Site Preparation

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2030**					
Fugitive Dust		0	2.68E-03	1.28E-03	0	1.28E-03
Off-Road		1.60E-04	1.60E-04		1.60E-04	1.60E-04
Total		**1.60E-04**	**2.84E-03**	**1.28E-03**	**1.60E-04**	**1.44E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	2.00E-05	1.00E-05	0.00E+00	1.00E-05
Worker		0.00E+00	8.00E-05	2.00E-05	0.00E+00	2.00E-05
Total		**0.00E+00**	**1.00E-04**	**3.00E-05**	**0.00E+00**	**3.00E-05**
TOTAL		***0.0002***	***0.0029***	***0.0013***	***0.0002***	***0.0015***

Phase 2 - Grading

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2030**					
Fugitive Dust		0	6.06E-03	2.93E-03	0	2.93E-03
Off-Road		3.70E-04	3.70E-04		3.70E-04	3.70E-04
Total		**3.70E-04**	**6.43E-03**	**2.93E-03**	**3.70E-04**	**3.30E-03**
Offsite						

	Hauling	0	0	0	0	0
	Vendor	0.00E+00	7.00E-05	2.00E-05	0.00E+00	2.00E-05
	Worker	0.00E+00	2.00E-04	5.00E-05	0.00E+00	5.00E-05
	Total	**0.00E+00**	**2.70E-04**	**7.00E-05**	**0.00E+00**	**7.00E-05**
TOTAL		***0.0004***	***0.0067***	***0.0030***	***0.0004***	***0.0034***

Phase 2 - Building Construction

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2030**					
Off-Road		5.27E-03	5.27E-03		5.27E-03	5.27E-03
Total		**5.27E-03**	**5.27E-03**		**5.27E-03**	**5.27E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		2.30E-04	5.62E-03	1.57E-03	2.20E-04	1.79E-03
Worker		8.00E-05	0.0232	6.17E-03	8.00E-05	6.24E-03
Total		**3.10E-04**	**0.0288**	**7.74E-03**	**3.00E-04**	**8.03E-03**
TOTAL		***0.0056***	***0.0341***	***0.0077***	***0.0056***	***0.0133***

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2031**					
Off-Road		7.43E-03	7.43E-03		7.43E-03	7.43E-03
Total		**7.43E-03**	**7.43E-03**		**7.43E-03**	**7.43E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		3.20E-04	7.92E-03	2.22E-03	3.00E-04	2.52E-03
Worker		1.10E-04	0.0326	8.69E-03	1.00E-04	8.80E-03
Total		**4.30E-04**	**0.0406**	**1.09E-02**	**4.00E-04**	**1.13E-02**
TOTAL		***0.0079***	***0.0480***	***0.0109***	***0.0078***	***0.0187***

Phase 2 - Paving

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2031**					
Off-Road		8.60E-04	8.60E-04		8.60E-04	8.60E-04
Paving		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Total		**8.60E-04**	**8.60E-04**		**8.60E-04**	**8.60E-04**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		0.00E+00	6.60E-04	1.80E-04	0.00E+00	1.80E-04
Total		**0.00E+00**	**6.60E-04**	**1.80E-04**	**0.00E+00**	**1.80E-04**
TOTAL		***0.0009***	***0.0015***	***0.0002***	***0.0009***	***0.0010***

Phase 2 - Architectural Coating

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2031**					
Archit. Coating		0	0		0	0
Off-Road		1.00E-04	1.00E-04		1.00E-04	1.00E-04
Total		**1.00E-04**	**1.00E-04**		**1.00E-04**	**1.00E-04**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		0.00E+00	5.60E-04	1.50E-04	0.00E+00	1.50E-04
Total		**0.00E+00**	**5.60E-04**	**1.50E-04**	**0.00E+00**	**1.50E-04**
TOTAL		***0.0001***	***0.0007***	***0.0002***	***0.0001***	***0.0003***

Phase 3 - Site Preparation

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2038**					
Fugitive Dust		0	1.10E-04	1.00E-05	0	1.00E-05
Off-Road		2.00E-05	2.00E-05		2.00E-05	2.00E-05
Total		**2.00E-05**	**1.30E-04**	**1.00E-05**	**2.00E-05**	**3.00E-05**
Offsite						

	Hauling	0	0	0	0	0
	Vendor	0.00E+00	1.00E-05	0	0.00E+00	0
	Worker	0.00E+00	3.00E-05	1.00E-05	0.00E+00	1.00E-05
	Total	**0.00E+00**	**4.00E-05**	**1.00E-05**	**0.00E+00**	**1.00E-05**
TOTAL		***0.0000***	***0.0002***	***0.0000***	***0.0000***	***0.0000***

Phase 3 - Grading

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2038**					
Fugitive Dust		0	2.27E-03	1.10E-03	0	1.10E-03
Off-Road		9.00E-05	9.00E-05		9.00E-05	9.00E-05
Total		**9.00E-05**	**2.36E-03**	**1.10E-03**	**9.00E-05**	**1.19E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	2.00E-05	1.00E-05	0.00E+00	1.00E-05
Worker		0.00E+00	8.00E-05	2.00E-05	0.00E+00	2.00E-05
Total		**0.00E+00**	**1.00E-04**	**3.00E-05**	**0.00E+00**	**3.00E-05**
TOTAL		***0.0001***	***0.0025***	***0.0011***	***0.0001***	***0.0012***

Phase 3 - Building Construction

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2038**					
Off-Road		2.12E-03	2.12E-03		2.12E-03	2.12E-03
Total		**2.12E-03**	**2.12E-03**		**2.12E-03**	**2.12E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		1.00E-04	2.46E-03	6.90E-04	9.00E-05	7.80E-04
Worker		3.00E-05	0.0106	2.84E-03	3.00E-05	2.86E-03
Total		**1.30E-04**	**0.0131**	**3.53E-03**	**1.20E-04**	**3.64E-03**
TOTAL		***0.0023***	***0.0152***	***0.0035***	***0.0022***	***0.0058***

Phase 3 - Paving

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2038**					
Off-Road		2.70E-04	2.70E-04		2.70E-04	2.70E-04
Paving		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Total		**2.70E-04**	**2.70E-04**		**2.70E-04**	**2.70E-04**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		0.00E+00	4.60E-04	1.20E-04	0.00E+00	1.20E-04
Total		**0.00E+00**	**4.60E-04**	**1.20E-04**	**0.00E+00**	**1.20E-04**
TOTAL		***0.0003***	***0.0007***	***0.0001***	***0.0003***	***0.0004***

Phase 3 - Architectural Coating

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2038**					
Archit. Coating		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Off-Road		2.00E-05	2.00E-05		2.00E-05	2.00E-05
Total		**2.00E-05**	**2.00E-05**		**2.00E-05**	**2.00E-05**
Offsite						
Hauling		0	0	0	0	0
Vendor		0	0	0	0	0
Worker		0.00E+00	1.00E-04	3.00E-05	0.00E+00	3.00E-05
Total		**0.00E+00**	**1.00E-04**	**3.00E-05**	**0.00E+00**	**3.00E-05**
TOTAL		***0.0000***	***0.0001***	***0.0000***	***0.0000***	***0.0001***

Phase 4 - Demolition

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Fugitive Dust		0.00E+00	6.07E-03	9.20E-04	0.00E+00	9.20E-04
Off-Road		1.80E-04	1.80E-04		1.80E-04	1.80E-04

	Total	**1.80E-04**	**6.25E-03**	**9.20E-04**	**1.80E-04**	**1.10E-03**
Offsite						
	Hauling	7.00E-05	1.13E-03	2.90E-04	7.00E-05	3.60E-04
	Vendor	0	1.20E-04	3.00E-05	0	4.00E-05
	Worker	0.00E+00	5.10E-04	1.40E-04	0.00E+00	1.40E-04
	Total	**7.00E-05**	**1.76E-03**	**4.60E-04**	**7.00E-05**	**5.40E-04**
TOTAL		***0.0003***	***0.0080***	***0.0014***	***0.0003***	***0.0016***

Phase 4 - Site Preparation

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Fugitive Dust		0	1.10E-04	1.00E-05	0	1.00E-05
Off-Road		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Total		**1.00E-05**	**1.20E-04**	**1.00E-05**	**1.00E-05**	**2.00E-05**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	1.00E-05	0	0.00E+00	0
Worker		0.00E+00	3.00E-05	1.00E-05	0.00E+00	1.00E-05
Total		**0.00E+00**	**4.00E-05**	**1.00E-05**	**0.00E+00**	**1.00E-05**
TOTAL		***0.0000***	***0.0002***	***0.0000***	***0.0000***	***0.0000***

Phase 4 - Grading

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Fugitive Dust		0	2.27E-03	1.10E-03	0	1.10E-03
Off-Road		6.00E-05	6.00E-05		6.00E-05	6.00E-05
Total		**6.00E-05**	**2.33E-03**	**1.10E-03**	**6.00E-05**	**1.16E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	2.00E-05	1.00E-05	0.00E+00	1.00E-05
Worker		0.00E+00	8.00E-05	2.00E-05	0.00E+00	2.00E-05
Total		**0.00E+00**	**1.00E-04**	**3.00E-05**	**0.00E+00**	**3.00E-05**
TOTAL		***0.0001***	***0.0024***	***0.0011***	***0.0001***	***0.0012***

Phase 4 - Building Construction

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Off-Road		1.77E-03	1.77E-03		1.77E-03	1.77E-03
Total		**1.77E-03**	**1.77E-03**		**1.77E-03**	**1.77E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		2.20E-04	5.53E-03	1.55E-03	2.10E-04	1.76E-03
Worker		5.00E-05	0.0233	6.21E-03	5.00E-05	6.26E-03
Total		**2.70E-04**	**0.0288**	**7.76E-03**	**2.60E-04**	**8.02E-03**
TOTAL		***0.0020***	***0.0306***	***0.0078***	***0.0020***	***0.0098***

Phase 4 - Paving

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Off-Road		2.10E-04	2.10E-04		2.10E-04	2.10E-04
Paving		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Total		**2.10E-04**	**2.10E-04**		**2.10E-04**	**2.10E-04**
Offsite						
Hauling		0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0
Worker		0.00E+00	4.60E-04	1.20E-04	0.00E+00	1.20E-04
Total		**0.00E+00**	**4.60E-04**	**1.20E-04**	**0.00E+00**	**1.20E-04**
TOTAL		***0.0002***	***0.0007***	***0.0001***	***0.0002***	***0.0003***

Phase 4 - Architectural Coating

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2042**					
Archit. Coating		0.00E+00	0.00E+00		0.00E+00	0.00E+00
Off-Road		2.00E-05	2.00E-05		2.00E-05	2.00E-05

	Total	**2.00E-05**	**2.00E-05**		**2.00E-05**	**2.00E-05**
Offsite						
	Hauling	0	0	0	0	0
	Vendor	0.00E+00	0	0	0.00E+00	0
	Worker	0.00E+00	2.30E-04	6.00E-05	0.00E+00	6.00E-05
	Total	**0.00E+00**	**2.30E-04**	**6.00E-05**	**0.00E+00**	**6.00E-05**
TOTAL		***0.0000***	***0.0003***	***0.0001***	***0.0000***	***0.0001***

Phase 5 - Demolition

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2049**					
Fugitive Dust		0.00E+00	1.68E-02	0.00254	0.00E+00	2.54E-03
Off-Road		1.63E-03	1.63E-03		1.63E-03	1.63E-03
Total		**1.63E-03**	**1.84E-02**	**0.00254**	**1.63E-03**	**4.17E-03**
Offsite						
Hauling		0.00019	0.00311	0.00081	0.00018	0.00099
Vendor		1.00E-05	2.50E-04	7.00E-05	1.00E-05	8.00E-05
Worker		0.00E+00	0.00152	4.10E-04	0.00E+00	4.10E-04
Total		**2.00E-04**	**0.00488**	**0.00129**	**1.90E-04**	**0.00148**
TOTAL		***0.0018***	***0.0233***	***0.0038***	***0.0018***	***0.0057***

Phase 5 - Site Preparation

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2049**					
Fugitive Dust		0.00E+00	4.20E-02	0.0216	0.00E+00	2.16E-02
Off-Road		1.01E-03	1.01E-03		1.01E-03	1.01E-03
Total		**1.01E-03**	**4.30E-02**	**0.0216**	**1.01E-03**	**2.26E-02**
Offsite						
Hauling		0	0	0	0	0
Vendor		1.00E-05	2.50E-04	7.00E-05	1.00E-05	8.00E-05
Worker		0.00E+00	0.00091	2.40E-04	0.00E+00	2.40E-04
Total		**1.00E-05**	**0.00116**	**0.00031**	**1.00E-05**	**0.00032**
TOTAL		***0.0010***	***0.0442***	***0.0219***	***0.0010***	***0.0229***

Phase 5 - Grading

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2049**					
Fugitive Dust		0.00E+00	5.90E-02	0.0234	0.00E+00	2.34E-02
Off-Road		3.38E-03	3.38E-03		3.38E-03	3.38E-03
Total		**3.38E-03**	**6.24E-02**	**0.0234**	**3.38E-03**	**2.68E-02**
Offsite						
Hauling		0	0	0	0	0
Vendor		6.00E-05	1.47E-03	4.10E-04	6.00E-05	4.70E-04
Worker		1.00E-05	0.00304	8.10E-04	1.00E-05	8.20E-04
Total		**7.00E-05**	**0.00451**	**0.00122**	**7.00E-05**	**0.00129**
TOTAL		***0.0035***	***0.0669***	***0.0246***	***0.0035***	***0.0281***

Phase 5 - Building Construction

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2049**					
Off-Road		7.41E-03	7.41E-03		7.41E-03	7.41E-03
Total		**7.41E-03**	**7.41E-03**		**7.41E-03**	**7.41E-03**
Offsite						
Hauling		0	0	0	0	0
Vendor		6.30E-04	1.61E-02	4.50E-03	6.00E-04	5.10E-03
Worker		1.30E-04	0.0682	1.82E-02	1.20E-04	1.83E-02
Total		**7.60E-04**	**0.0843**	**0.0227**	**7.20E-04**	**0.0234**
TOTAL		***0.0082***	***0.0917***	***0.0227***	***0.0081***	***0.0308***

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2050**					
Off-Road		3.65E-03	3.65E-03		3.65E-03	3.65E-03

	Total	**3.65E-03**	**3.65E-03**		**3.65E-03**	**3.65E-03**
Offsite						
	Hauling	0	0	0	0	0
	Vendor	3.10E-04	7.91E-03	2.22E-03	3.00E-04	2.51E-03
	Worker	6.00E-05	0.0336	8.96E-03	5.00E-05	9.02E-03
	Total	**3.70E-04**	**0.0415**	**0.0112**	**3.50E-04**	**0.0115**
TOTAL		***0.0040***	***0.0452***	***0.0112***	***0.0040***	***0.0152***

Phase 5 - Paving

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2050**					
	Off-Road	1.16E-03	1.16E-03		1.16E-03	1.16E-03
	Paving	0.00E+00	0.00E+00		0.00E+00	0.00E+00
	Total	**1.16E-03**	**1.16E-03**		**1.16E-03**	**1.16E-03**
Offsite						
	Hauling	0	0	0	0	0
	Vendor	0.00E+00	0	0	0.00E+00	0
	Worker	0.00E+00	1.52E-03	4.10E-04	0.00E+00	4.10E-04
	Total	**0.00E+00**	**1.52E-03**	**4.10E-04**	**0.00E+00**	**4.10E-04**
TOTAL		***0.0012***	***0.0027***	***0.0004***	***0.0012***	***0.0016***

Phase 5 - Architectural Coating

		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	**2050**					
	Archit. Coating	0	0		0	0
	Off-Road	7.00E-05	7.00E-05		7.00E-05	7.00E-05
	Total	**7.00E-05**	**7.00E-05**		**7.00E-05**	**7.00E-05**
Offsite						
	Hauling	0	0	0	0	0
	Vendor	0.00E+00	0	0	0.00E+00	0
	Worker	0.00E+00	1.32E-03	3.50E-04	0.00E+00	3.50E-04
	Total	**0.00E+00**	**1.32E-03**	**3.50E-04**	**0.00E+00**	**3.50E-04**
TOTAL		***0.0001***	***0.0014***	***0.0004***	***0.0001***	***0.0004***

Appendix B. Air Dispersion Model Output

```
*** AERMOD - VERSION 21112  ***   *** Construction HRA                                                    ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        13:02:06
                                                                                                                  PAGE   1
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  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   215 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2181654.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Allow FLAT/ELEV Terrain Option by Source,
           with      0 FLAT and    215 ELEV Source(s).
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    215 Source(s);       7 Source Group(s); and    1859 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    210 VOLUME source(s)
                and:      5 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 Output - Residential Receptors
Unit Emission Rates (1 g/s)

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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   379.00 ;  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 =      4.4 MB of RAM.

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

**Detailed Error/Message File:   CCCD-01.err
**File for Summary of Results:   CCCD-01.sum
```

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000329	0	0.47326E-02	448274.8	3778998.9	543.1	4.15	8.37	1.93	YES	HRDOW
L0000330	0	0.47326E-02	448256.8	3778998.7	543.5	4.15	8.37	1.93	YES	HRDOW
L0000331	0	0.47326E-02	448238.8	3778998.5	544.1	4.15	8.37	1.93	YES	HRDOW
L0000332	0	0.47326E-02	448220.8	3778998.3	544.1	4.15	8.37	1.93	YES	HRDOW
L0000333	0	0.47326E-02	448202.8	3778998.2	544.3	4.15	8.37	1.93	YES	HRDOW
L0000334	0	0.47326E-02	448184.8	3778998.0	544.9	4.15	8.37	1.93	YES	HRDOW
L0000335	0	0.47326E-02	448166.8	3778997.8	545.0	4.15	8.37	1.93	YES	HRDOW
L0000336	0	0.47326E-02	448148.8	3778997.6	545.1	4.15	8.37	1.93	YES	HRDOW
L0000337	0	0.47326E-02	448130.8	3778997.4	545.7	4.15	8.37	1.93	YES	HRDOW
L0000338	0	0.47326E-02	448112.8	3778997.3	546.2	4.15	8.37	1.93	YES	HRDOW
L0000339	0	0.47326E-02	448094.8	3778997.1	546.8	4.15	8.37	1.93	YES	HRDOW
L0000340	0	0.47326E-02	448076.8	3778996.9	547.4	4.15	8.37	1.93	YES	HRDOW
L0000341	0	0.47326E-02	448058.8	3778996.7	548.0	4.15	8.37	1.93	YES	HRDOW
L0000342	0	0.47326E-02	448040.8	3778996.5	548.6	4.15	8.37	1.93	YES	HRDOW
L0000343	0	0.47326E-02	448022.8	3778996.3	549.2	4.15	8.37	1.93	YES	HRDOW
L0000344	0	0.47326E-02	448004.8	3778996.2	549.8	4.15	8.37	1.93	YES	HRDOW
L0000345	0	0.47326E-02	447986.8	3778996.0	549.9	4.15	8.37	1.93	YES	HRDOW
L0000346	0	0.47326E-02	447968.8	3778995.8	549.9	4.15	8.37	1.93	YES	HRDOW
L0000347	0	0.47326E-02	447950.8	3778995.6	549.3	4.15	8.37	1.93	YES	HRDOW
L0000348	0	0.47326E-02	447932.8	3778995.4	549.1	4.15	8.37	1.93	YES	HRDOW
L0000349	0	0.47326E-02	447914.8	3778995.3	549.7	4.15	8.37	1.93	YES	HRDOW
L0000350	0	0.47326E-02	447896.8	3778995.1	549.9	4.15	8.37	1.93	YES	HRDOW
L0000351	0	0.47326E-02	447878.8	3778994.9	549.9	4.15	8.37	1.93	YES	HRDOW
L0000352	0	0.47326E-02	447860.8	3778994.7	549.9	4.15	8.37	1.93	YES	HRDOW
L0000353	0	0.47326E-02	447842.8	3778994.5	550.1	4.15	8.37	1.93	YES	HRDOW
L0000354	0	0.47326E-02	447824.8	3778994.3	550.7	4.15	8.37	1.93	YES	HRDOW
L0000355	0	0.47326E-02	447806.8	3778994.2	550.8	4.15	8.37	1.93	YES	HRDOW
L0000356	0	0.47326E-02	447788.8	3778994.0	550.8	4.15	8.37	1.93	YES	HRDOW
L0000357	0	0.47326E-02	447770.8	3778993.8	550.7	4.15	8.37	1.93	YES	HRDOW
L0000358	0	0.47326E-02	447752.8	3778993.6	550.7	4.15	8.37	1.93	YES	HRDOW
L0000359	0	0.47326E-02	447734.8	3778993.4	550.8	4.15	8.37	1.93	YES	HRDOW
L0000360	0	0.47326E-02	447716.8	3778993.3	551.2	4.15	8.37	1.93	YES	HRDOW
L0000361	0	0.47326E-02	447698.8	3778993.1	551.8	4.15	8.37	1.93	YES	HRDOW
L0000362	0	0.47326E-02	447680.8	3778992.9	552.4	4.15	8.37	1.93	YES	HRDOW
L0000363	0	0.47326E-02	447662.8	3778992.7	552.7	4.15	8.37	1.93	YES	HRDOW
L0000364	0	0.47326E-02	447644.8	3778992.5	552.7	4.15	8.37	1.93	YES	HRDOW
L0000365	0	0.47326E-02	447626.8	3778992.3	552.7	4.15	8.37	1.93	YES	HRDOW
L0000366	0	0.47326E-02	447608.8	3778992.2	552.7	4.15	8.37	1.93	YES	HRDOW

L0000367 0 0.47326E-02 447590.8 3778992.0 552.7 4.15 8.37 1.93 YES HRDOW
L0000368 0 0.47326E-02 447572.8 3778991.8 552.7 4.15 8.37 1.93 YES HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000369	0	0.47326E-02	447554.8	3778991.6	552.7	4.15	8.37	1.93	YES	HRDOW
L0000370	0	0.47326E-02	447536.8	3778991.4	553.1	4.15	8.37	1.93	YES	HRDOW
L0000371	0	0.47326E-02	447518.9	3778991.3	553.6	4.15	8.37	1.93	YES	HRDOW
L0000372	0	0.47326E-02	447500.9	3778991.1	553.6	4.15	8.37	1.93	YES	HRDOW
L0000373	0	0.47326E-02	447482.9	3778991.1	553.6	4.15	8.37	1.93	YES	HRDOW
L0000374	0	0.47326E-02	447464.9	3778991.4	553.6	4.15	8.37	1.93	YES	HRDOW
L0000375	0	0.47326E-02	447446.9	3778991.7	553.7	4.15	8.37	1.93	YES	HRDOW
L0000376	0	0.47326E-02	447428.9	3778992.0	553.7	4.15	8.37	1.93	YES	HRDOW
L0000377	0	0.47326E-02	447410.9	3778992.3	553.7	4.15	8.37	1.93	YES	HRDOW
L0000378	0	0.47326E-02	447392.9	3778992.6	553.7	4.15	8.37	1.93	YES	HRDOW
L0000379	0	0.47326E-02	447374.9	3778992.9	553.7	4.15	8.37	1.93	YES	HRDOW
L0000380	0	0.47326E-02	447356.9	3778993.2	553.8	4.15	8.37	1.93	YES	HRDOW
L0000381	0	0.47326E-02	447338.9	3778993.5	553.8	4.15	8.37	1.93	YES	HRDOW
L0000382	0	0.47326E-02	447320.9	3778993.8	553.8	4.15	8.37	1.93	YES	HRDOW
L0000383	0	0.47326E-02	447302.9	3778994.1	553.8	4.15	8.37	1.93	YES	HRDOW
L0000384	0	0.47326E-02	447284.9	3778994.4	553.8	4.15	8.37	1.93	YES	HRDOW
L0000385	0	0.47326E-02	447266.9	3778994.6	553.8	4.15	8.37	1.93	YES	HRDOW
L0000386	0	0.47326E-02	447248.9	3778994.9	553.8	4.15	8.37	1.93	YES	HRDOW
L0000387	0	0.47326E-02	447230.9	3778995.2	553.8	4.15	8.37	1.93	YES	HRDOW
L0000388	0	0.47326E-02	447212.9	3778995.5	553.9	4.15	8.37	1.93	YES	HRDOW
L0000389	0	0.47326E-02	447194.9	3778995.8	553.9	4.15	8.37	1.93	YES	HRDOW
L0000390	0	0.47326E-02	447176.9	3778996.1	554.0	4.15	8.37	1.93	YES	HRDOW
L0000391	0	0.47326E-02	447158.9	3778996.4	554.0	4.15	8.37	1.93	YES	HRDOW
L0000392	0	0.47326E-02	447140.9	3778996.7	554.0	4.15	8.37	1.93	YES	HRDOW
L0000393	0	0.47326E-02	447122.9	3778997.0	554.0	4.15	8.37	1.93	YES	HRDOW
L0000394	0	0.47326E-02	447104.9	3778997.3	554.0	4.15	8.37	1.93	YES	HRDOW
L0000395	0	0.47326E-02	447086.9	3778997.6	554.0	4.15	8.37	1.93	YES	HRDOW
L0000396	0	0.47326E-02	447068.9	3778997.9	554.1	4.15	8.37	1.93	YES	HRDOW
L0000397	0	0.47326E-02	447050.9	3778998.1	554.1	4.15	8.37	1.93	YES	HRDOW
L0000398	0	0.47326E-02	447032.9	3778998.4	554.3	4.15	8.37	1.93	YES	HRDOW
L0000399	0	0.47326E-02	447014.9	3778998.7	554.9	4.15	8.37	1.93	YES	HRDOW
L0000400	0	0.47326E-02	446996.9	3778999.0	555.1	4.15	8.37	1.93	YES	HRDOW
L0000401	0	0.47326E-02	446978.9	3778999.3	555.2	4.15	8.37	1.93	YES	HRDOW
L0000402	0	0.47326E-02	446960.9	3778999.6	555.2	4.15	8.37	1.93	YES	HRDOW
L0000403	0	0.47326E-02	446942.9	3778999.9	555.4	4.15	8.37	1.93	YES	HRDOW
L0000404	0	0.76071E-02	446928.3	3779189.2	570.2	4.15	13.49	1.93	YES	HRDOW

L0000405	0	0.76071E-02	446927.9	3779160.2	567.7	4.15	13.49	1.93	YES	HRDOW
L0000406	0	0.76071E-02	446927.4	3779131.2	565.3	4.15	13.49	1.93	YES	HRDOW
L0000407	0	0.76071E-02	446927.0	3779102.2	562.9	4.15	13.49	1.93	YES	HRDOW
L0000408	0	0.76071E-02	446926.5	3779073.2	561.0	4.15	13.49	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000409	0	0.76071E-02	446926.1	3779044.2	559.1	4.15	13.49	1.93	YES	HRDOW
L0000410	0	0.76071E-02	446925.6	3779015.2	557.0	4.15	13.49	1.93	YES	HRDOW
L0000411	0	0.76071E-02	446925.2	3778986.2	554.8	4.15	13.49	1.93	YES	HRDOW
L0000412	0	0.76071E-02	446924.8	3778957.2	552.6	4.15	13.49	1.93	YES	HRDOW
L0000413	0	0.76071E-02	446924.3	3778928.2	551.3	4.15	13.49	1.93	YES	HRDOW
L0000414	0	0.76071E-02	446923.9	3778899.2	549.2	4.15	13.49	1.93	YES	HRDOW
L0000415	0	0.76071E-02	446923.4	3778870.2	546.3	4.15	13.49	1.93	YES	HRDOW
L0000416	0	0.76071E-02	446923.0	3778841.2	543.4	4.15	13.49	1.93	YES	HRDOW
L0000417	0	0.76071E-02	446922.5	3778812.2	540.7	4.15	13.49	1.93	YES	HRDOW
L0000418	0	0.76071E-02	446922.1	3778783.2	538.8	4.15	13.49	1.93	YES	HRDOW
L0000419	0	0.76071E-02	446921.6	3778754.2	536.7	4.15	13.49	1.93	YES	HRDOW
L0000420	0	0.76071E-02	446921.2	3778725.2	533.9	4.15	13.49	1.93	YES	HRDOW
L0000421	0	0.76071E-02	446920.7	3778696.2	532.0	4.15	13.49	1.93	YES	HRDOW
L0000422	0	0.76071E-02	446920.3	3778667.2	530.0	4.15	13.49	1.93	YES	HRDOW
L0000423	0	0.76071E-02	446919.8	3778638.2	528.1	4.15	13.49	1.93	YES	HRDOW
L0000424	0	0.76071E-02	446919.4	3778609.2	526.2	4.15	13.49	1.93	YES	HRDOW
L0000425	0	0.76071E-02	446919.0	3778580.2	524.2	4.15	13.49	1.93	YES	HRDOW
L0000426	0	0.76071E-02	446918.5	3778551.2	521.4	4.15	13.49	1.93	YES	HRDOW
L0000427	0	0.76071E-02	446918.1	3778522.2	519.4	4.15	13.49	1.93	YES	HRDOW
L0000428	0	0.76071E-02	446917.6	3778493.2	517.4	4.15	13.49	1.93	YES	HRDOW
L0000429	0	0.76071E-02	446917.2	3778464.2	515.4	4.15	13.49	1.93	YES	HRDOW
L0000430	0	0.76071E-02	446916.7	3778435.2	513.5	4.15	13.49	1.93	YES	HRDOW
L0000431	0	0.76071E-02	446916.3	3778406.3	511.6	4.15	13.49	1.93	YES	HRDOW
L0000432	0	0.76071E-02	446915.8	3778377.3	509.7	4.15	13.49	1.93	YES	HRDOW
L0000433	0	0.76071E-02	446915.4	3778348.3	507.8	4.15	13.49	1.93	YES	HRDOW
L0000434	0	0.76071E-02	446914.9	3778319.3	505.4	4.15	13.49	1.93	YES	HRDOW
L0000435	0	0.76071E-02	446914.5	3778290.3	503.3	4.15	13.49	1.93	YES	HRDOW
L0000436	0	0.76071E-02	446914.0	3778261.3	501.6	4.15	13.49	1.93	YES	HRDOW
L0000437	0	0.76071E-02	446913.6	3778232.3	500.0	4.15	13.49	1.93	YES	HRDOW
L0000438	0	0.76071E-02	446913.2	3778203.3	498.2	4.15	13.49	1.93	YES	HRDOW
L0000439	0	0.76071E-02	446912.7	3778174.3	496.3	4.15	13.49	1.93	YES	HRDOW
L0000440	0	0.76071E-02	446912.3	3778145.3	494.4	4.15	13.49	1.93	YES	HRDOW
L0000441	0	0.76071E-02	446911.8	3778116.3	492.3	4.15	13.49	1.93	YES	HRDOW
L0000442	0	0.76071E-02	446911.4	3778087.3	490.4	4.15	13.49	1.93	YES	HRDOW

L0000443	0	0.76071E-02	446910.9	3778058.3	488.4	4.15	13.49	1.93	YES	HRDOW
L0000444	0	0.76071E-02	446910.5	3778029.3	486.5	4.15	13.49	1.93	YES	HRDOW
L0000445	0	0.76071E-02	446910.0	3778000.3	484.6	4.15	13.49	1.93	YES	HRDOW
L0000446	0	0.76071E-02	446909.6	3777971.3	482.6	4.15	13.49	1.93	YES	HRDOW
L0000447	0	0.34560E-02	448108.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000448	0	0.34560E-02	448095.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000449	0	0.34560E-02	448082.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000450	0	0.34560E-02	448069.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000451	0	0.34560E-02	448056.3	3778200.0	495.8	4.15	6.05	1.93	YES	HRDOW
L0000452	0	0.34560E-02	448043.3	3778200.0	495.7	4.15	6.05	1.93	YES	HRDOW
L0000453	0	0.34560E-02	448030.3	3778200.0	495.5	4.15	6.05	1.93	YES	HRDOW
L0000454	0	0.34560E-02	448017.3	3778200.0	495.2	4.15	6.05	1.93	YES	HRDOW
L0000455	0	0.34560E-02	448004.3	3778200.0	495.0	4.15	6.05	1.93	YES	HRDOW
L0000456	0	0.34560E-02	447991.3	3778200.0	494.9	4.15	6.05	1.93	YES	HRDOW
L0000457	0	0.34560E-02	447978.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000458	0	0.34560E-02	447965.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000459	0	0.34560E-02	447952.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000460	0	0.34560E-02	447939.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000461	0	0.34560E-02	447926.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000462	0	0.34560E-02	447913.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000463	0	0.34560E-02	447900.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000464	0	0.34560E-02	447887.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000465	0	0.34560E-02	447874.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000466	0	0.34560E-02	447861.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000467	0	0.34560E-02	447848.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000468	0	0.34560E-02	447835.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000469	0	0.34560E-02	447822.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000470	0	0.34560E-02	447809.3	3778199.9	495.1	4.15	6.05	1.93	YES	HRDOW
L0000471	0	0.34560E-02	447796.3	3778199.9	495.3	4.15	6.05	1.93	YES	HRDOW
L0000472	0	0.34560E-02	447783.3	3778199.9	495.5	4.15	6.05	1.93	YES	HRDOW
L0000473	0	0.34560E-02	447770.3	3778199.9	495.7	4.15	6.05	1.93	YES	HRDOW
L0000474	0	0.34560E-02	447757.3	3778199.9	495.9	4.15	6.05	1.93	YES	HRDOW
L0000475	0	0.34560E-02	447744.3	3778199.9	496.2	4.15	6.05	1.93	YES	HRDOW
L0000476	0	0.34560E-02	447731.3	3778199.9	496.4	4.15	6.05	1.93	YES	HRDOW
L0000477	0	0.34560E-02	447718.3	3778199.9	496.6	4.15	6.05	1.93	YES	HRDOW
L0000478	0	0.34560E-02	447705.3	3778199.9	496.8	4.15	6.05	1.93	YES	HRDOW
L0000479	0	0.34560E-02	447692.4	3778200.5	496.9	4.15	6.05	1.93	YES	HRDOW
L0000480	0	0.34560E-02	447679.4	3778201.7	497.0	4.15	6.05	1.93	YES	HRDOW

L0000481	0	0.34560E-02	447666.5	3778202.9	497.1	4.15	6.05	1.93	YES	HRDOW
L0000482	0	0.34560E-02	447653.5	3778204.2	497.2	4.15	6.05	1.93	YES	HRDOW
L0000483	0	0.34560E-02	447640.6	3778205.4	497.2	4.15	6.05	1.93	YES	HRDOW
L0000484	0	0.34560E-02	447627.7	3778206.6	497.3	4.15	6.05	1.93	YES	HRDOW
L0000485	0	0.34560E-02	447614.7	3778207.8	497.4	4.15	6.05	1.93	YES	HRDOW
L0000486	0	0.34560E-02	447601.8	3778209.0	497.6	4.15	6.05	1.93	YES	HRDOW
L0000487	0	0.34560E-02	447588.8	3778210.3	497.7	4.15	6.05	1.93	YES	HRDOW
L0000488	0	0.34560E-02	447575.9	3778211.2	497.9	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000489	0	0.34560E-02	447562.9	3778211.2	498.3	4.15	6.05	1.93	YES	HRDOW
L0000490	0	0.34560E-02	447549.9	3778211.2	498.6	4.15	6.05	1.93	YES	HRDOW
L0000491	0	0.34560E-02	447536.9	3778211.1	499.0	4.15	6.05	1.93	YES	HRDOW
L0000492	0	0.34560E-02	447523.9	3778211.1	499.5	4.15	6.05	1.93	YES	HRDOW
L0000493	0	0.34560E-02	447510.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000494	0	0.34560E-02	447497.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000495	0	0.34560E-02	447484.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000496	0	0.34560E-02	447471.9	3778210.9	499.6	4.15	6.05	1.93	YES	HRDOW
L0000497	0	0.34560E-02	447458.9	3778210.9	499.6	4.15	6.05	1.93	YES	HRDOW
L0000498	0	0.34560E-02	447445.9	3778210.8	499.2	4.15	6.05	1.93	YES	HRDOW
L0000499	0	0.34560E-02	447432.9	3778210.8	498.9	4.15	6.05	1.93	YES	HRDOW
L0000500	0	0.34560E-02	447419.9	3778210.8	498.7	4.15	6.05	1.93	YES	HRDOW
L0000501	0	0.34560E-02	447406.9	3778210.7	498.7	4.15	6.05	1.93	YES	HRDOW
L0000502	0	0.34560E-02	447393.9	3778210.7	498.6	4.15	6.05	1.93	YES	HRDOW
L0000503	0	0.34560E-02	447380.9	3778210.6	498.7	4.15	6.05	1.93	YES	HRDOW
L0000504	0	0.34560E-02	447367.9	3778210.6	498.8	4.15	6.05	1.93	YES	HRDOW
L0000505	0	0.34560E-02	447354.9	3778210.6	498.8	4.15	6.05	1.93	YES	HRDOW
L0000506	0	0.34560E-02	447341.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000507	0	0.34560E-02	447328.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000508	0	0.34560E-02	447315.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000509	0	0.34560E-02	447302.9	3778210.4	499.0	4.15	6.05	1.93	YES	HRDOW
L0000510	0	0.34560E-02	447289.9	3778210.4	499.3	4.15	6.05	1.93	YES	HRDOW
L0000511	0	0.34560E-02	447276.9	3778210.3	499.6	4.15	6.05	1.93	YES	HRDOW
L0000512	0	0.34560E-02	447263.9	3778210.3	499.6	4.15	6.05	1.93	YES	HRDOW
L0000513	0	0.34560E-02	447250.9	3778210.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000514	0	0.34560E-02	447238.1	3778207.9	499.4	4.15	6.05	1.93	YES	HRDOW
L0000515	0	0.34560E-02	447225.2	3778205.9	499.3	4.15	6.05	1.93	YES	HRDOW
L0000516	0	0.34560E-02	447213.0	3778201.5	499.0	4.15	6.05	1.93	YES	HRDOW
L0000517	0	0.34560E-02	447200.9	3778196.8	498.7	4.15	6.05	1.93	YES	HRDOW
L0000518	0	0.34560E-02	447188.8	3778192.0	498.4	4.15	6.05	1.93	YES	HRDOW

L0000519	0	0.34560E-02	447176.7	3778187.3	498.0	4.15	6.05	1.93	YES	HRDOW
L0000520	0	0.34560E-02	447164.6	3778182.5	497.7	4.15	6.05	1.93	YES	HRDOW
L0000521	0	0.34560E-02	447152.5	3778177.8	497.4	4.15	6.05	1.93	YES	HRDOW
L0000522	0	0.34560E-02	447140.4	3778173.0	497.1	4.15	6.05	1.93	YES	HRDOW
L0000523	0	0.34560E-02	447128.3	3778168.2	496.8	4.15	6.05	1.93	YES	HRDOW
L0000524	0	0.34560E-02	447116.2	3778163.5	496.4	4.15	6.05	1.93	YES	HRDOW
L0000525	0	0.34560E-02	447104.1	3778158.7	496.1	4.15	6.05	1.93	YES	HRDOW
L0000526	0	0.34560E-02	447092.0	3778154.0	495.8	4.15	6.05	1.93	YES	HRDOW
L0000527	0	0.34560E-02	447079.9	3778149.2	495.5	4.15	6.05	1.93	YES	HRDOW
L0000528	0	0.34560E-02	447067.8	3778144.5	495.1	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000529	0	0.34560E-02	447055.7	3778139.7	494.4	4.15	6.05	1.93	YES	HRDOW
L0000530	0	0.34560E-02	447043.6	3778134.9	493.7	4.15	6.05	1.93	YES	HRDOW
L0000531	0	0.34560E-02	447031.2	3778131.3	493.3	4.15	6.05	1.93	YES	HRDOW
L0000532	0	0.34560E-02	447018.6	3778128.1	493.1	4.15	6.05	1.93	YES	HRDOW
L0000533	0	0.34560E-02	447006.0	3778124.9	492.9	4.15	6.05	1.93	YES	HRDOW
L0000534	0	0.34560E-02	446993.1	3778123.3	492.8	4.15	6.05	1.93	YES	HRDOW
L0000535	0	0.34560E-02	446980.2	3778122.6	492.7	4.15	6.05	1.93	YES	HRDOW
L0000536	0	0.34560E-02	446967.2	3778121.9	492.7	4.15	6.05	1.93	YES	HRDOW
L0000537	0	0.34560E-02	446954.2	3778121.2	492.6	4.15	6.05	1.93	YES	HRDOW
L0000538	0	0.34560E-02	446941.2	3778120.6	492.6	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA1	0	0.63243E-05	447089.3	3778831.1	541.0	4.15	38	1.93	YES	HRDOW
PAREA2	0	0.45034E-04	447005.9	3778782.4	537.8	4.15	21	1.93	YES	HRDOW
PAREA3	0	0.12709E-03	447280.1	3778821.1	540.3	4.15	16	1.93	YES	HRDOW
PAREA4	0	0.64386E-04	447359.0	3778758.7	536.2	4.15	16	1.93	YES	HRDOW
PAREA5	0	0.10658E-04	447092.4	3778831.2	541.0	4.15	37	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
PHASE1	PAREA1 ,
SLINE1	L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,
	L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
	L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
	L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
	L0000361 , L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 ,
	L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 ,
	L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 ,
	L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
	L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
	L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
	L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
	L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 ,
	L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 ,
	L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 ,
	L0000441 , L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
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	L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
	L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 ,
	L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 ,

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*** AERMOD - VERSION 21112  ***   *** Construction HRA                                                    ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        13:02:06
                                                                                                                  PAGE  10
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                                          SOURCE IDs
-----------                                          ----------

           L0000481    , L0000482    , L0000483    , L0000484    , L0000485    , L0000486    , L0000487    , L0000488    ,
           L0000489    , L0000490    , L0000491    , L0000492    , L0000493    , L0000494    , L0000495    , L0000496    ,
           L0000497    , L0000498    , L0000499    , L0000500    , L0000501    , L0000502    , L0000503    , L0000504    ,
           L0000505    , L0000506    , L0000507    , L0000508    , L0000509    , L0000510    , L0000511    , L0000512    ,
           L0000513    , L0000514    , L0000515    , L0000516    , L0000517    , L0000518    , L0000519    , L0000520    ,
           L0000521    , L0000522    , L0000523    , L0000524    , L0000525    , L0000526    , L0000527    , L0000528    ,
           L0000529    , L0000530    , L0000531    , L0000532    , L0000533    , L0000534    , L0000535    , L0000536    ,
           L0000537    , L0000538    ,
 PHASE2    PAREA2      ,
 PHASE3    PAREA3      ,
 PHASE4    PAREA4      ,
 PHASE5    PAREA5      ,
 ALLPHASE  PAREA1      , PAREA2      , PAREA3      , PAREA4      , PAREA5      ,
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*** AERMOD - VERSION 21112  ***   *** Construction HRA                                                    ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        13:02:06
                                                                                                                   PAGE  11

*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


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

 URBAN ID   URBAN POP                                    SOURCE IDs
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             2181654.   PAREA1      , L0000329    , L0000330    , L0000331    , L0000332    , L0000333    , L0000334    ,
L0000335    ,
            L0000336    , L0000337    , L0000338    , L0000339    , L0000340    , L0000341    , L0000342    , L0000343    ,
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            L0000392    , L0000393    , L0000394    , L0000395    , L0000396    , L0000397    , L0000398    , L0000399    ,
            L0000400    , L0000401    , L0000402    , L0000403    , L0000404    , L0000405    , L0000406    , L0000407    ,
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            L0000480    , L0000481    , L0000482    , L0000483    , L0000484    , L0000485    , L0000486    , L0000487    ,
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*** AERMOD - VERSION 21112  ***   *** Construction HRA                                                    ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        13:02:06
                                                                                                                  PAGE  12
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

           L0000488    , L0000489    , L0000490    , L0000491    , L0000492    , L0000493    , L0000494    , L0000495    ,
           L0000496    , L0000497    , L0000498    , L0000499    , L0000500    , L0000501    , L0000502    , L0000503    ,
           L0000504    , L0000505    , L0000506    , L0000507    , L0000508    , L0000509    , L0000510    , L0000511    ,
           L0000512    , L0000513    , L0000514    , L0000515    , L0000516    , L0000517    , L0000518    , L0000519    ,
           L0000520    , L0000521    , L0000522    , L0000523    , L0000524    , L0000525    , L0000526    , L0000527    ,
           L0000528    , L0000529    , L0000530    , L0000531    , L0000532    , L0000533    , L0000534    , L0000535    ,
           L0000536    , L0000537    , L0000538    , PAREA2      , PAREA3      , PAREA4      , PAREA5      ,
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*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = PAREA1 thru PAREA5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = L0000329 thru L0000538 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMOD - VERSION 21112  ***   *** Construction HRA                                                          ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                                   ***        13:02:06
                                                                                                                           PAGE 250
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  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,
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*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

Surface file: MetData\UPLA_v9.SFC Met Version: 16216
Profile file: MetData\UPLA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	351.	9.1	284.2	5.5
12	01	01	1	02	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	347.	9.1	284.2	5.5
12	01	01	1	03	-25.9	0.270	-9.000	-9.000	-999.	336.	79.9	0.34	1.15	1.00	2.20	340.	9.1	284.2	5.5
12	01	01	1	04	-20.9	0.218	-9.000	-9.000	-999.	246.	52.4	0.34	1.15	1.00	1.80	337.	9.1	285.4	5.5
12	01	01	1	05	-5.4	0.105	-9.000	-9.000	-999.	89.	18.5	0.34	1.15	1.00	0.90	344.	9.1	284.9	5.5
12	01	01	1	06	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	17.	9.1	283.1	5.5
12	01	01	1	07	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	326.	9.1	282.0	5.5
12	01	01	1	08	-10.1	0.156	-9.000	-9.000	-999.	147.	32.6	0.34	1.15	0.53	1.30	337.	9.1	284.9	5.5
12	01	01	1	09	42.1	0.096	0.369	0.015	42.	72.	-1.8	0.34	1.15	0.31	0.40	347.	9.1	291.4	5.5
12	01	01	1	10	102.2	0.280	0.715	0.005	125.	356.	-18.8	0.34	1.15	0.24	1.80	320.	9.1	296.4	5.5
12	01	01	1	11	143.5	0.233	1.110	0.005	333.	271.	-7.7	0.34	1.15	0.21	1.30	185.	9.1	297.5	5.5
12	01	01	1	12	162.2	0.188	1.407	0.005	600.	196.	-3.6	0.34	1.15	0.20	0.90	199.	9.1	298.1	5.5
12	01	01	1	13	158.3	0.187	1.641	0.005	974.	195.	-3.6	0.34	1.15	0.20	0.90	152.	9.1	299.9	5.5
12	01	01	1	14	131.9	0.288	1.687	0.005	1270.	370.	-15.7	0.34	1.15	0.22	1.80	107.	9.1	301.4	5.5
12	01	01	1	15	84.3	0.106	1.511	0.005	1427.	119.	-1.2	0.34	1.15	0.25	0.40	107.	9.1	302.0	5.5
12	01	01	1	16	32.1	0.154	1.105	0.005	1463.	146.	-10.0	0.34	1.15	0.34	0.90	124.	9.1	302.0	5.5
12	01	01	1	17	-10.6	0.155	-9.000	-9.000	-999.	146.	30.5	0.34	1.15	0.62	1.30	138.	9.1	299.9	5.5
12	01	01	1	18	-20.4	0.219	-9.000	-9.000	-999.	245.	52.5	0.34	1.15	1.00	1.80	353.	9.1	293.1	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.15	1.00	999.00	999.	-9.0	291.2	5.5
12	01	01	1	20	-5.4	0.105	-9.000	-9.000	-999.	81.	18.6	0.34	1.15	1.00	0.90	308.	9.1	289.2	5.5
12	01	01	1	21	-11.4	0.154	-9.000	-9.000	-999.	145.	27.9	0.34	1.15	1.00	1.30	339.	9.1	287.0	5.5
12	01	01	1	22	-11.5	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	1.15	1.00	1.30	339.	9.1	286.4	5.5
12	01	01	1	23	-5.4	0.105	-9.000	-9.000	-999.	81.	18.5	0.34	1.15	1.00	0.90	336.	9.1	285.4	5.5
12	01	01	1	24	-11.5	0.154	-9.000	-9.000	-999.	145.	27.7	0.34	1.15	1.00	1.30	338.	9.1	284.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
12	01	01	01	9.1	1	351.	1.80	-999.0	99.0	-99.00	-99.00

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

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.43782	448093.02	3778615.85	0.38730	
448113.02	3778615.85	0.34631	448133.02	3778615.85	0.31089	
448153.02	3778615.85	0.28081	448173.02	3778615.85	0.25561	
448193.02	3778615.85	0.23389	448233.02	3778615.85	0.19848	
448253.02	3778615.85	0.18390	**447913.02**	**3778635.85**	**2.41284**	**Resident MEIR**
447933.02	3778635.85	1.68153	448253.02	3778635.85	0.19280	
447913.02	3778655.85	2.37485	447933.02	3778655.85	1.67030	
447993.02	3778655.85	0.86234	448013.02	3778655.85	0.72849	
448033.02	3778655.85	0.62437	448053.02	3778655.85	0.54365	
448073.02	3778655.85	0.47901	448113.02	3778655.85	0.37962	
448133.02	3778655.85	0.34070	448153.02	3778655.85	0.30772	
448173.02	3778655.85	0.27991	448193.02	3778655.85	0.25577	
448213.02	3778655.85	0.23480	448233.02	3778655.85	0.21654	
448253.02	3778655.85	0.20045	447913.02	3778675.85	2.16670	
447933.02	3778675.85	1.58577	447953.02	3778675.85	1.24787	
447973.02	3778675.85	1.02196	447993.02	3778675.85	0.85871	
448013.02	3778675.85	0.73085	448033.02	3778675.85	0.63017	
448053.02	3778675.85	0.55115	448073.02	3778675.85	0.48693	
448113.02	3778675.85	0.38779	448133.02	3778675.85	0.34898	
448153.02	3778675.85	0.31590	448173.02	3778675.85	0.28773	
448193.02	3778675.85	0.26315	448213.02	3778675.85	0.24175	
448233.02	3778675.85	0.22312	448253.02	3778675.85	0.20666	
447913.02	3778695.85	1.81597	447933.02	3778695.85	1.43708	
447953.02	3778695.85	1.17051	447973.02	3778695.85	0.97586	
447993.02	3778695.85	0.83164	448013.02	3778695.85	0.71544	
448033.02	3778695.85	0.62216	448053.02	3778695.85	0.54771	
448073.02	3778695.85	0.48586	448113.02	3778695.85	0.39000	
448133.02	3778695.85	0.35248	448153.02	3778695.85	0.32023	
448173.02	3778695.85	0.29234	448193.02	3778695.85	0.26794	
448213.02	3778695.85	0.24656	448233.02	3778695.85	0.22779	
448253.02	3778695.85	0.21128	447913.02	3778715.85	1.48386	
447933.02	3778715.85	1.25163	447953.02	3778715.85	1.06218	
447973.02	3778715.85	0.90943	447993.02	3778715.85	0.78567	
448013.02	3778715.85	0.68454	448033.02	3778715.85	0.60202	
448053.02	3778715.85	0.53527	448073.02	3778715.85	0.47780	
448113.02	3778715.85	0.38742	448133.02	3778715.85	0.35170	
448153.02	3778715.85	0.32075	448173.02	3778715.85	0.29376	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.13157	448093.02	3778615.85	0.12943	
448113.02	3778615.85	0.12705	448133.02	3778615.85	0.12483	
448153.02	3778615.85	0.12260	448173.02	3778615.85	0.12017	
448193.02	3778615.85	0.11770	448233.02	3778615.85	0.11270	
448253.02	3778615.85	0.11021	**447913.02**	**3778635.85**	**0.14629**	**MEIR Location**
447933.02	3778635.85	0.14465	448253.02	3778635.85	0.11011	
447913.02	3778655.85	0.14743	447933.02	3778655.85	0.14580	
447993.02	3778655.85	0.14056	448013.02	3778655.85	0.13876	
448033.02	3778655.85	0.13691	448053.02	3778655.85	0.13487	
448073.02	3778655.85	0.13268	448113.02	3778655.85	0.12812	
448133.02	3778655.85	0.12585	448153.02	3778655.85	0.12353	
448173.02	3778655.85	0.12104	448193.02	3778655.85	0.11853	
448213.02	3778655.85	0.11599	448233.02	3778655.85	0.11338	
448253.02	3778655.85	0.11075	447913.02	3778675.85	0.14990	
447933.02	3778675.85	0.14827	447953.02	3778675.85	0.14660	
447973.02	3778675.85	0.14488	447993.02	3778675.85	0.14305	
448013.02	3778675.85	0.14122	448033.02	3778675.85	0.13932	
448053.02	3778675.85	0.13725	448073.02	3778675.85	0.13506	
448113.02	3778675.85	0.13044	448133.02	3778675.85	0.12806	
448153.02	3778675.85	0.12560	448173.02	3778675.85	0.12301	
448193.02	3778675.85	0.12041	448213.02	3778675.85	0.11775	
448233.02	3778675.85	0.11499	448253.02	3778675.85	0.11221	
447913.02	3778695.85	0.15390	447933.02	3778695.85	0.15227	
447953.02	3778695.85	0.15061	447973.02	3778695.85	0.14889	
447993.02	3778695.85	0.14704	448013.02	3778695.85	0.14515	
448033.02	3778695.85	0.14317	448053.02	3778695.85	0.14105	
448073.02	3778695.85	0.13883	448113.02	3778695.85	0.13408	
448133.02	3778695.85	0.13155	448153.02	3778695.85	0.12891	
448173.02	3778695.85	0.12618	448193.02	3778695.85	0.12339	
448213.02	3778695.85	0.12053	448233.02	3778695.85	0.11761	
448253.02	3778695.85	0.11460	447913.02	3778715.85	0.15978	
447933.02	3778715.85	0.15812	447953.02	3778715.85	0.15640	
447973.02	3778715.85	0.15461	447993.02	3778715.85	0.15273	
448013.02	3778715.85	0.15076	448033.02	3778715.85	0.14869	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.08708	448093.02	3778615.85	0.08380	
448113.02	3778615.85	0.08071	448133.02	3778615.85	0.07779	
448153.02	3778615.85	0.07503	448173.02	3778615.85	0.07242	
448193.02	3778615.85	0.06995	448233.02	3778615.85	0.06538	
448253.02	3778615.85	0.06327	**447913.02**	**3778635.85**	**0.13187**	**MEIR**
447933.02	3778635.85	0.12574	448253.02	3778635.85	0.06671	
447913.02	3778655.85	0.14194	447933.02	3778655.85	0.13511	
447993.02	3778655.85	0.11735	448013.02	3778655.85	0.11221	
448033.02	3778655.85	0.10740	448053.02	3778655.85	0.10289	
448073.02	3778655.85	0.09866	448113.02	3778655.85	0.09097	
448133.02	3778655.85	0.08746	448153.02	3778655.85	0.08417	
448173.02	3778655.85	0.08105	448193.02	3778655.85	0.07812	
448213.02	3778655.85	0.07534	448233.02	3778655.85	0.07271	
448253.02	3778655.85	0.07023	447913.02	3778675.85	0.15233	
447933.02	3778675.85	0.14476	447953.02	3778675.85	0.13774	
447973.02	3778675.85	0.13123	447993.02	3778675.85	0.12515	
448013.02	3778675.85	0.11950	448033.02	3778675.85	0.11423	
448053.02	3778675.85	0.10930	448073.02	3778675.85	0.10467	
448113.02	3778675.85	0.09627	448133.02	3778675.85	0.09246	
448153.02	3778675.85	0.08888	448173.02	3778675.85	0.08550	
448193.02	3778675.85	0.08232	448213.02	3778675.85	0.07932	
448233.02	3778675.85	0.07648	448253.02	3778675.85	0.07380	
447913.02	3778695.85	0.16292	447933.02	3778695.85	0.15458	
447953.02	3778695.85	0.14688	447973.02	3778695.85	0.13974	
447993.02	3778695.85	0.13309	448013.02	3778695.85	0.12692	
448033.02	3778695.85	0.12117	448053.02	3778695.85	0.11579	
448073.02	3778695.85	0.11076	448113.02	3778695.85	0.10165	
448133.02	3778695.85	0.09752	448153.02	3778695.85	0.09364	
448173.02	3778695.85	0.08999	448193.02	3778695.85	0.08656	
448213.02	3778695.85	0.08333	448233.02	3778695.85	0.08029	
448253.02	3778695.85	0.07741	447913.02	3778715.85	0.17362	
447933.02	3778715.85	0.16449	447953.02	3778715.85	0.15607	
447973.02	3778715.85	0.14828	447993.02	3778715.85	0.14107	
448013.02	3778715.85	0.13437	448033.02	3778715.85	0.12814	
448053.02	3778715.85	0.12229	448073.02	3778715.85	0.11686	
448113.02	3778715.85	0.10704	448133.02	3778715.85	0.10259	
448153.02	3778715.85	0.09841	448173.02	3778715.85	0.09449	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***
INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.13039	448093.02	3778615.85	0.12473	
448113.02	3778615.85	0.11943	448133.02	3778615.85	0.11445	
448153.02	3778615.85	0.10977	448173.02	3778615.85	0.10538	
448193.02	3778615.85	0.10124	448233.02	3778615.85	0.09366	
448253.02	3778615.85	0.09019	**447913.02**	**3778635.85**	**0.20474**	**MEIR**
447933.02	3778635.85	0.19385	448253.02	3778635.85	0.09391	
447913.02	3778655.85	0.21679	447933.02	3778655.85	0.20489	
447993.02	3778655.85	0.17444	448013.02	3778655.85	0.16576	
448033.02	3778655.85	0.15771	448053.02	3778655.85	0.15022	
448073.02	3778655.85	0.14325	448113.02	3778655.85	0.13067	
448133.02	3778655.85	0.12500	448153.02	3778655.85	0.11969	
448173.02	3778655.85	0.11470	448193.02	3778655.85	0.11003	
448213.02	3778655.85	0.10563	448233.02	3778655.85	0.10150	
448253.02	3778655.85	0.09760	447913.02	3778675.85	0.22896	
447933.02	3778675.85	0.21601	447953.02	3778675.85	0.20412	
447973.02	3778675.85	0.19317	447993.02	3778675.85	0.18307	
448013.02	3778675.85	0.17374	448033.02	3778675.85	0.16511	
448053.02	3778675.85	0.15710	448073.02	3778675.85	0.14965	
448113.02	3778675.85	0.13625	448133.02	3778675.85	0.13022	
448153.02	3778675.85	0.12459	448173.02	3778675.85	0.11930	
448193.02	3778675.85	0.11435	448213.02	3778675.85	0.10971	
448233.02	3778675.85	0.10534	448253.02	3778675.85	0.10124	
447913.02	3778695.85	0.24103	447933.02	3778695.85	0.22701	
447953.02	3778695.85	0.21418	447973.02	3778695.85	0.20241	
447993.02	3778695.85	0.19158	448013.02	3778695.85	0.18161	
448033.02	3778695.85	0.17240	448053.02	3778695.85	0.16386	
448073.02	3778695.85	0.15594	448113.02	3778695.85	0.14173	
448133.02	3778695.85	0.13534	448153.02	3778695.85	0.12937	
448173.02	3778695.85	0.12380	448193.02	3778695.85	0.11859	
448213.02	3778695.85	0.11370	448233.02	3778695.85	0.10912	
448253.02	3778695.85	0.10481	447913.02	3778715.85	0.25276	
447933.02	3778715.85	0.23768	447953.02	3778715.85	0.22392	
447973.02	3778715.85	0.21135	447993.02	3778715.85	0.19982	
448013.02	3778715.85	0.18922	448033.02	3778715.85	0.17945	
448053.02	3778715.85	0.17037	448073.02	3778715.85	0.16199	
448113.02	3778715.85	0.14700	448133.02	3778715.85	0.14027	
448153.02	3778715.85	0.13400	448173.02	3778715.85	0.12815	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE4 ***
INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.19138	448093.02	3778615.85	0.18100	
448113.02	3778615.85	0.17144	448133.02	3778615.85	0.16262	
448153.02	3778615.85	0.15446	448173.02	3778615.85	0.14690	
448193.02	3778615.85	0.13988	448233.02	3778615.85	0.12728	
448253.02	3778615.85	0.12161	**447913.02**	**3778635.85**	**0.34059**	**MEIR**
447933.02	3778635.85	0.31667	448253.02	3778635.85	0.12721	
447913.02	3778655.85	0.36165	447933.02	3778655.85	0.33572	
447993.02	3778655.85	0.27246	448013.02	3778655.85	0.25527	
448033.02	3778655.85	0.23964	448053.02	3778655.85	0.22537	
448073.02	3778655.85	0.21229	448113.02	3778655.85	0.18931	
448133.02	3778655.85	0.17922	448153.02	3778655.85	0.16991	
448173.02	3778655.85	0.16129	448193.02	3778655.85	0.15331	
448213.02	3778655.85	0.14592	448233.02	3778655.85	0.13904	
448253.02	3778655.85	0.13265	447913.02	3778675.85	0.38119	
447933.02	3778675.85	0.35343	447953.02	3778675.85	0.32855	
447973.02	3778675.85	0.30616	447993.02	3778675.85	0.28593	
448013.02	3778675.85	0.26765	448033.02	3778675.85	0.25104	
448053.02	3778675.85	0.23587	448073.02	3778675.85	0.22200	
448113.02	3778675.85	0.19765	448133.02	3778675.85	0.18697	
448153.02	3778675.85	0.17713	448173.02	3778675.85	0.16802	
448193.02	3778675.85	0.15962	448213.02	3778675.85	0.15184	
448233.02	3778675.85	0.14460	448253.02	3778675.85	0.13787	
447913.02	3778695.85	0.39859	447933.02	3778695.85	0.36928	
447953.02	3778695.85	0.34308	447973.02	3778695.85	0.31954	
447993.02	3778695.85	0.29821	448013.02	3778695.85	0.27897	
448033.02	3778695.85	0.26150	448053.02	3778695.85	0.24555	
448073.02	3778695.85	0.23099	448113.02	3778695.85	0.20545	
448133.02	3778695.85	0.19422	448153.02	3778695.85	0.18388	
448173.02	3778695.85	0.17433	448193.02	3778695.85	0.16554	
448213.02	3778695.85	0.15740	448233.02	3778695.85	0.14985	
448253.02	3778695.85	0.14280	447913.02	3778715.85	0.41356	
447933.02	3778715.85	0.38301	447953.02	3778715.85	0.35568	
447973.02	3778715.85	0.33113	447993.02	3778715.85	0.30900	
448013.02	3778715.85	0.28900	448033.02	3778715.85	0.27082	
448053.02	3778715.85	0.25415	448073.02	3778715.85	0.23901	
448113.02	3778715.85	0.21248	448133.02	3778715.85	0.20080	
448153.02	3778715.85	0.19004	448173.02	3778715.85	0.18012	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE5 ***
INCLUDING SOURCE(S): PAREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
448073.02	3778615.85	0.71907	448093.02	3778615.85	0.67057	
448113.02	3778615.85	0.62658	448133.02	3778615.85	0.58513	
448153.02	3778615.85	0.54676	448173.02	3778615.85	0.51180	
448193.02	3778615.85	0.47949	448233.02	3778615.85	0.42193	
448253.02	3778615.85	0.39628	**447913.02**	**3778635.85**	**1.26533**	**MEIR**
447933.02	3778635.85	1.15204	448253.02	3778635.85	0.38593	
447913.02	3778655.85	1.16824	447933.02	3778655.85	1.06845	
447993.02	3778655.85	0.84448	448013.02	3778655.85	0.78588	
448033.02	3778655.85	0.73320	448053.02	3778655.85	0.68627	
448073.02	3778655.85	0.64377	448113.02	3778655.85	0.56788	
448133.02	3778655.85	0.53370	448153.02	3778655.85	0.50198	
448173.02	3778655.85	0.47277	448193.02	3778655.85	0.44548	
448213.02	3778655.85	0.42007	448233.02	3778655.85	0.39643	
448253.02	3778655.85	0.37438	447913.02	3778675.85	1.06603	
447933.02	3778675.85	0.98176	447953.02	3778675.85	0.90772	
447973.02	3778675.85	0.84265	447993.02	3778675.85	0.78526	
448013.02	3778675.85	0.73326	448033.02	3778675.85	0.68637	
448053.02	3778675.85	0.64433	448073.02	3778675.85	0.60602	
448113.02	3778675.85	0.53768	448133.02	3778675.85	0.50698	
448153.02	3778675.85	0.47841	448173.02	3778675.85	0.45189	
448193.02	3778675.85	0.42703	448213.02	3778675.85	0.40380	
448233.02	3778675.85	0.38214	448253.02	3778675.85	0.36185	
447913.02	3778695.85	0.96204	447933.02	3778695.85	0.89358	
447953.02	3778695.85	0.83132	447973.02	3778695.85	0.77553	
447993.02	3778695.85	0.72610	448013.02	3778695.85	0.68092	
448033.02	3778695.85	0.63985	448053.02	3778695.85	0.60270	
448073.02	3778695.85	0.56848	448113.02	3778695.85	0.50744	
448133.02	3778695.85	0.48005	448153.02	3778695.85	0.45446	
448173.02	3778695.85	0.43052	448193.02	3778695.85	0.40804	
448213.02	3778695.85	0.38694	448233.02	3778695.85	0.36714	
448253.02	3778695.85	0.34859	447913.02	3778715.85	0.85830	
447933.02	3778715.85	0.80499	447953.02	3778715.85	0.75543	
447973.02	3778715.85	0.70979	447993.02	3778715.85	0.66787	
448013.02	3778715.85	0.62937	448033.02	3778715.85	0.59406	
448053.02	3778715.85	0.56183	448073.02	3778715.85	0.53173	
448113.02	3778715.85	0.47766	448133.02	3778715.85	0.45328	
448153.02	3778715.85	0.43041	448173.02	3778715.85	0.40893	

Model Output - Residential Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
			MEIR Location		
PHASE1	1ST HIGHEST VALUE IS	2.41284 AT	(447913.02, 3778635.85, 522.97, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	2.38466 AT	(447913.02, 3778615.85, 522.22, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.37485 AT	(447913.02, 3778655.85, 524.27, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.31789 AT	(447913.02, 3778595.85, 521.19, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.21493 AT	(447913.02, 3778575.85, 519.94, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.16670 AT	(447913.02, 3778675.85, 525.91, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.05971 AT	(447913.02, 3778555.85, 518.61, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.81597 AT	(447913.02, 3778535.85, 517.27, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.81597 AT	(447913.02, 3778695.85, 527.91, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.68153 AT	(447933.02, 3778635.85, 522.95, 2699.00, 0.00)	DC	
SLINE1	1ST HIGHEST VALUE IS	3.72141 AT	(448013.02, 3778215.85, 495.95, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.71632 AT	(448033.02, 3778215.85, 496.09, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.71060 AT	(447913.02, 3778215.85, 495.94, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	3.70501 AT	(447933.02, 3778215.85, 495.94, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	3.70036 AT	(447953.02, 3778215.85, 495.94, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	3.69740 AT	(447993.02, 3778215.85, 495.94, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	3.69351 AT	(447973.02, 3778215.85, 495.94, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	3.68781 AT	(446965.69, 3778140.24, 493.90, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	3.66076 AT	(446945.69, 3778140.24, 493.90, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	3.60725 AT	(448053.02, 3778215.85, 496.74, 2699.00, 0.00)	DC	
PHASE2	1ST HIGHEST VALUE IS	0.88070 AT	(447366.63, 3779029.42, 556.19, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.87786 AT	(447386.63, 3779029.42, 556.23, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.87567 AT	(447346.63, 3779029.42, 556.25, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.86816 AT	(447406.63, 3779029.42, 556.27, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.86406 AT	(447326.63, 3779029.42, 556.27, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.85234 AT	(447426.63, 3779029.42, 556.27, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.83102 AT	(447446.63, 3779029.42, 556.22, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.80457 AT	(447466.63, 3779029.42, 556.18, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.79461 AT	(447266.63, 3779029.42, 556.27, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.77380 AT	(447486.63, 3779029.42, 556.18, 2699.00, 0.00)	DC	
PHASE3	1ST HIGHEST VALUE IS	0.52692 AT	(447466.63, 3779029.42, 556.18, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.52670 AT	(447486.63, 3779029.42, 556.18, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.52362 AT	(447446.63, 3779029.42, 556.22, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.52325 AT	(447506.63, 3779029.42, 556.18, 2699.00, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.51783 AT (  447526.63,  3779029.42,   555.93,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.51694 AT (  447426.63,  3779029.42,   556.27,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.51123 AT (  447546.63,  3779029.42,   555.27,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.50837 AT (  446878.23,  3778467.21,   514.70,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.50730 AT (  447406.63,  3779029.42,   556.27,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.50703 AT (  446878.23,  3778487.21,   516.04,  2699.00,    0.00)  DC
 *** AERMOD - VERSION 21112  ***   *** Construction HRA                                                ***        01/19/22
 *** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                         ***        13:02:06
                                                                                                               PAGE 421
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                    *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

PHASE4    1ST HIGHEST VALUE IS       0.44094 AT (  447913.02,  3778795.85,   535.52,  2699.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.43926 AT (  447913.02,  3778775.85,   534.15,  2699.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.43913 AT (  447913.02,  3778815.85,   536.94,  2699.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.43401 AT (  447913.02,  3778755.85,   532.79,  2699.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.43273 AT (  447913.02,  3778835.85,   538.20,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.42550 AT (  447913.02,  3778735.85,   530.87,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.42295 AT (  447913.02,  3778855.85,   539.52,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.41356 AT (  447913.02,  3778715.85,   529.27,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.41014 AT (  447913.02,  3778875.85,   540.94,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.40989 AT (  447933.02,  3778795.85,   535.06,  2699.00,    0.00)  DC

PHASE5    1ST HIGHEST VALUE IS       3.90288 AT (  447913.02,  3778415.85,   509.27,  2699.00,    0.00)  DC
          2ND HIGHEST VALUE IS       3.85769 AT (  447913.02,  3778395.85,   507.94,  2699.00,    0.00)  DC
          3RD HIGHEST VALUE IS       3.74676 AT (  447913.02,  3778435.85,   510.64,  2699.00,    0.00)  DC
          4TH HIGHEST VALUE IS       3.71247 AT (  447913.02,  3778375.85,   506.61,  2699.00,    0.00)  DC
          5TH HIGHEST VALUE IS       3.50581 AT (  447913.02,  3778355.85,   505.27,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       3.28815 AT (  447913.02,  3778455.85,   512.06,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       3.24769 AT (  447913.02,  3778335.85,   503.94,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       2.93474 AT (  447913.02,  3778315.85,   502.52,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       2.87075 AT (  447933.02,  3778415.85,   509.27,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       2.84179 AT (  447933.02,  3778395.85,   507.94,  2699.00,    0.00)  DC

 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** AERMOD - VERSION 21112  ***   *** Construction HRA                                    ***        01/19/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                            ***        13:02:06
                                                                                                    PAGE 422

*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of          956 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           49 Calm Hours Identified

A Total of          907 Missing Hours Identified (  2.07 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186    5131       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    5131       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ***********************************
   *** AERMOD Finishes Successfully ***
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Model Output - School Receptors
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                    ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                      ***        21:43:44
                                                                                                             PAGE   1
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  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   215 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2181654.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Allow FLAT/ELEV Terrain Option by Source,
           with      0 FLAT and    215 ELEV Source(s).
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    215 Source(s);       7 Source Group(s); and      98 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    210 VOLUME source(s)
                and:      5 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 Output - School Receptors
Unit Emission Rates (1 g/s)

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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   379.00 ;  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 =      3.9 MB of RAM.

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

**Detailed Error/Message File:   CCCD-01ES.err
**File for Summary of Results:   CCCD-01ES.sum
```

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000329	0	0.47326E-02	448274.8	3778998.9	543.1	4.15	8.37	1.93	YES	HRDOW
L0000330	0	0.47326E-02	448256.8	3778998.7	543.5	4.15	8.37	1.93	YES	HRDOW
L0000331	0	0.47326E-02	448238.8	3778998.5	544.1	4.15	8.37	1.93	YES	HRDOW
L0000332	0	0.47326E-02	448220.8	3778998.3	544.1	4.15	8.37	1.93	YES	HRDOW
L0000333	0	0.47326E-02	448202.8	3778998.2	544.3	4.15	8.37	1.93	YES	HRDOW
L0000334	0	0.47326E-02	448184.8	3778998.0	544.9	4.15	8.37	1.93	YES	HRDOW
L0000335	0	0.47326E-02	448166.8	3778997.8	545.0	4.15	8.37	1.93	YES	HRDOW
L0000336	0	0.47326E-02	448148.8	3778997.6	545.1	4.15	8.37	1.93	YES	HRDOW
L0000337	0	0.47326E-02	448130.8	3778997.4	545.7	4.15	8.37	1.93	YES	HRDOW
L0000338	0	0.47326E-02	448112.8	3778997.3	546.2	4.15	8.37	1.93	YES	HRDOW
L0000339	0	0.47326E-02	448094.8	3778997.1	546.8	4.15	8.37	1.93	YES	HRDOW
L0000340	0	0.47326E-02	448076.8	3778996.9	547.4	4.15	8.37	1.93	YES	HRDOW
L0000341	0	0.47326E-02	448058.8	3778996.7	548.0	4.15	8.37	1.93	YES	HRDOW
L0000342	0	0.47326E-02	448040.8	3778996.5	548.6	4.15	8.37	1.93	YES	HRDOW
L0000343	0	0.47326E-02	448022.8	3778996.3	549.2	4.15	8.37	1.93	YES	HRDOW
L0000344	0	0.47326E-02	448004.8	3778996.2	549.8	4.15	8.37	1.93	YES	HRDOW
L0000345	0	0.47326E-02	447986.8	3778996.0	549.9	4.15	8.37	1.93	YES	HRDOW
L0000346	0	0.47326E-02	447968.8	3778995.8	549.9	4.15	8.37	1.93	YES	HRDOW
L0000347	0	0.47326E-02	447950.8	3778995.6	549.3	4.15	8.37	1.93	YES	HRDOW
L0000348	0	0.47326E-02	447932.8	3778995.4	549.1	4.15	8.37	1.93	YES	HRDOW
L0000349	0	0.47326E-02	447914.8	3778995.3	549.7	4.15	8.37	1.93	YES	HRDOW
L0000350	0	0.47326E-02	447896.8	3778995.1	549.9	4.15	8.37	1.93	YES	HRDOW
L0000351	0	0.47326E-02	447878.8	3778994.9	549.9	4.15	8.37	1.93	YES	HRDOW
L0000352	0	0.47326E-02	447860.8	3778994.7	549.9	4.15	8.37	1.93	YES	HRDOW
L0000353	0	0.47326E-02	447842.8	3778994.5	550.1	4.15	8.37	1.93	YES	HRDOW
L0000354	0	0.47326E-02	447824.8	3778994.3	550.7	4.15	8.37	1.93	YES	HRDOW
L0000355	0	0.47326E-02	447806.8	3778994.2	550.8	4.15	8.37	1.93	YES	HRDOW
L0000356	0	0.47326E-02	447788.8	3778994.0	550.8	4.15	8.37	1.93	YES	HRDOW
L0000357	0	0.47326E-02	447770.8	3778993.8	550.7	4.15	8.37	1.93	YES	HRDOW
L0000358	0	0.47326E-02	447752.8	3778993.6	550.7	4.15	8.37	1.93	YES	HRDOW
L0000359	0	0.47326E-02	447734.8	3778993.4	550.8	4.15	8.37	1.93	YES	HRDOW
L0000360	0	0.47326E-02	447716.8	3778993.3	551.2	4.15	8.37	1.93	YES	HRDOW
L0000361	0	0.47326E-02	447698.8	3778993.1	551.8	4.15	8.37	1.93	YES	HRDOW
L0000362	0	0.47326E-02	447680.8	3778992.9	552.4	4.15	8.37	1.93	YES	HRDOW
L0000363	0	0.47326E-02	447662.8	3778992.7	552.7	4.15	8.37	1.93	YES	HRDOW
L0000364	0	0.47326E-02	447644.8	3778992.5	552.7	4.15	8.37	1.93	YES	HRDOW
L0000365	0	0.47326E-02	447626.8	3778992.3	552.7	4.15	8.37	1.93	YES	HRDOW
L0000366	0	0.47326E-02	447608.8	3778992.2	552.7	4.15	8.37	1.93	YES	HRDOW

L0000367 0 0.47326E-02 447590.8 3778992.0 552.7 4.15 8.37 1.93 YES HRDOW
L0000368 0 0.47326E-02 447572.8 3778991.8 552.7 4.15 8.37 1.93 YES HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000369	0	0.47326E-02	447554.8	3778991.6	552.7	4.15	8.37	1.93	YES	HRDOW
L0000370	0	0.47326E-02	447536.8	3778991.4	553.1	4.15	8.37	1.93	YES	HRDOW
L0000371	0	0.47326E-02	447518.9	3778991.3	553.6	4.15	8.37	1.93	YES	HRDOW
L0000372	0	0.47326E-02	447500.9	3778991.1	553.6	4.15	8.37	1.93	YES	HRDOW
L0000373	0	0.47326E-02	447482.9	3778991.1	553.6	4.15	8.37	1.93	YES	HRDOW
L0000374	0	0.47326E-02	447464.9	3778991.4	553.6	4.15	8.37	1.93	YES	HRDOW
L0000375	0	0.47326E-02	447446.9	3778991.7	553.7	4.15	8.37	1.93	YES	HRDOW
L0000376	0	0.47326E-02	447428.9	3778992.0	553.7	4.15	8.37	1.93	YES	HRDOW
L0000377	0	0.47326E-02	447410.9	3778992.3	553.7	4.15	8.37	1.93	YES	HRDOW
L0000378	0	0.47326E-02	447392.9	3778992.6	553.7	4.15	8.37	1.93	YES	HRDOW
L0000379	0	0.47326E-02	447374.9	3778992.9	553.7	4.15	8.37	1.93	YES	HRDOW
L0000380	0	0.47326E-02	447356.9	3778993.2	553.8	4.15	8.37	1.93	YES	HRDOW
L0000381	0	0.47326E-02	447338.9	3778993.5	553.8	4.15	8.37	1.93	YES	HRDOW
L0000382	0	0.47326E-02	447320.9	3778993.8	553.8	4.15	8.37	1.93	YES	HRDOW
L0000383	0	0.47326E-02	447302.9	3778994.1	553.8	4.15	8.37	1.93	YES	HRDOW
L0000384	0	0.47326E-02	447284.9	3778994.4	553.8	4.15	8.37	1.93	YES	HRDOW
L0000385	0	0.47326E-02	447266.9	3778994.6	553.8	4.15	8.37	1.93	YES	HRDOW
L0000386	0	0.47326E-02	447248.9	3778994.9	553.8	4.15	8.37	1.93	YES	HRDOW
L0000387	0	0.47326E-02	447230.9	3778995.2	553.8	4.15	8.37	1.93	YES	HRDOW
L0000388	0	0.47326E-02	447212.9	3778995.5	553.9	4.15	8.37	1.93	YES	HRDOW
L0000389	0	0.47326E-02	447194.9	3778995.8	553.9	4.15	8.37	1.93	YES	HRDOW
L0000390	0	0.47326E-02	447176.9	3778996.1	554.0	4.15	8.37	1.93	YES	HRDOW
L0000391	0	0.47326E-02	447158.9	3778996.4	554.0	4.15	8.37	1.93	YES	HRDOW
L0000392	0	0.47326E-02	447140.9	3778996.7	554.0	4.15	8.37	1.93	YES	HRDOW
L0000393	0	0.47326E-02	447122.9	3778997.0	554.0	4.15	8.37	1.93	YES	HRDOW
L0000394	0	0.47326E-02	447104.9	3778997.3	554.0	4.15	8.37	1.93	YES	HRDOW
L0000395	0	0.47326E-02	447086.9	3778997.6	554.0	4.15	8.37	1.93	YES	HRDOW
L0000396	0	0.47326E-02	447068.9	3778997.9	554.1	4.15	8.37	1.93	YES	HRDOW
L0000397	0	0.47326E-02	447050.9	3778998.1	554.1	4.15	8.37	1.93	YES	HRDOW
L0000398	0	0.47326E-02	447032.9	3778998.4	554.3	4.15	8.37	1.93	YES	HRDOW
L0000399	0	0.47326E-02	447014.9	3778998.7	554.9	4.15	8.37	1.93	YES	HRDOW
L0000400	0	0.47326E-02	446996.9	3778999.0	555.1	4.15	8.37	1.93	YES	HRDOW
L0000401	0	0.47326E-02	446978.9	3778999.3	555.2	4.15	8.37	1.93	YES	HRDOW
L0000402	0	0.47326E-02	446960.9	3778999.6	555.2	4.15	8.37	1.93	YES	HRDOW
L0000403	0	0.47326E-02	446942.9	3778999.9	555.4	4.15	8.37	1.93	YES	HRDOW
L0000404	0	0.76071E-02	446928.3	3779189.2	570.2	4.15	13.49	1.93	YES	HRDOW

L0000405	0	0.76071E-02	446927.9	3779160.2	567.7	4.15	13.49	1.93	YES	HRDOW
L0000406	0	0.76071E-02	446927.4	3779131.2	565.3	4.15	13.49	1.93	YES	HRDOW
L0000407	0	0.76071E-02	446927.0	3779102.2	562.9	4.15	13.49	1.93	YES	HRDOW
L0000408	0	0.76071E-02	446926.5	3779073.2	561.0	4.15	13.49	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000409	0	0.76071E-02	446926.1	3779044.2	559.1	4.15	13.49	1.93	YES	HRDOW
L0000410	0	0.76071E-02	446925.6	3779015.2	557.0	4.15	13.49	1.93	YES	HRDOW
L0000411	0	0.76071E-02	446925.2	3778986.2	554.8	4.15	13.49	1.93	YES	HRDOW
L0000412	0	0.76071E-02	446924.8	3778957.2	552.6	4.15	13.49	1.93	YES	HRDOW
L0000413	0	0.76071E-02	446924.3	3778928.2	551.3	4.15	13.49	1.93	YES	HRDOW
L0000414	0	0.76071E-02	446923.9	3778899.2	549.2	4.15	13.49	1.93	YES	HRDOW
L0000415	0	0.76071E-02	446923.4	3778870.2	546.3	4.15	13.49	1.93	YES	HRDOW
L0000416	0	0.76071E-02	446923.0	3778841.2	543.4	4.15	13.49	1.93	YES	HRDOW
L0000417	0	0.76071E-02	446922.5	3778812.2	540.7	4.15	13.49	1.93	YES	HRDOW
L0000418	0	0.76071E-02	446922.1	3778783.2	538.8	4.15	13.49	1.93	YES	HRDOW
L0000419	0	0.76071E-02	446921.6	3778754.2	536.7	4.15	13.49	1.93	YES	HRDOW
L0000420	0	0.76071E-02	446921.2	3778725.2	533.9	4.15	13.49	1.93	YES	HRDOW
L0000421	0	0.76071E-02	446920.7	3778696.2	532.0	4.15	13.49	1.93	YES	HRDOW
L0000422	0	0.76071E-02	446920.3	3778667.2	530.0	4.15	13.49	1.93	YES	HRDOW
L0000423	0	0.76071E-02	446919.8	3778638.2	528.1	4.15	13.49	1.93	YES	HRDOW
L0000424	0	0.76071E-02	446919.4	3778609.2	526.2	4.15	13.49	1.93	YES	HRDOW
L0000425	0	0.76071E-02	446919.0	3778580.2	524.2	4.15	13.49	1.93	YES	HRDOW
L0000426	0	0.76071E-02	446918.5	3778551.2	521.4	4.15	13.49	1.93	YES	HRDOW
L0000427	0	0.76071E-02	446918.1	3778522.2	519.4	4.15	13.49	1.93	YES	HRDOW
L0000428	0	0.76071E-02	446917.6	3778493.2	517.4	4.15	13.49	1.93	YES	HRDOW
L0000429	0	0.76071E-02	446917.2	3778464.2	515.4	4.15	13.49	1.93	YES	HRDOW
L0000430	0	0.76071E-02	446916.7	3778435.2	513.5	4.15	13.49	1.93	YES	HRDOW
L0000431	0	0.76071E-02	446916.3	3778406.3	511.6	4.15	13.49	1.93	YES	HRDOW
L0000432	0	0.76071E-02	446915.8	3778377.3	509.7	4.15	13.49	1.93	YES	HRDOW
L0000433	0	0.76071E-02	446915.4	3778348.3	507.8	4.15	13.49	1.93	YES	HRDOW
L0000434	0	0.76071E-02	446914.9	3778319.3	505.4	4.15	13.49	1.93	YES	HRDOW
L0000435	0	0.76071E-02	446914.5	3778290.3	503.3	4.15	13.49	1.93	YES	HRDOW
L0000436	0	0.76071E-02	446914.0	3778261.3	501.6	4.15	13.49	1.93	YES	HRDOW
L0000437	0	0.76071E-02	446913.6	3778232.3	500.0	4.15	13.49	1.93	YES	HRDOW
L0000438	0	0.76071E-02	446913.2	3778203.3	498.2	4.15	13.49	1.93	YES	HRDOW
L0000439	0	0.76071E-02	446912.7	3778174.3	496.3	4.15	13.49	1.93	YES	HRDOW
L0000440	0	0.76071E-02	446912.3	3778145.3	494.4	4.15	13.49	1.93	YES	HRDOW
L0000441	0	0.76071E-02	446911.8	3778116.3	492.3	4.15	13.49	1.93	YES	HRDOW
L0000442	0	0.76071E-02	446911.4	3778087.3	490.4	4.15	13.49	1.93	YES	HRDOW

L0000443	0	0.76071E-02	446910.9	3778058.3	488.4	4.15	13.49	1.93	YES	HRDOW
L0000444	0	0.76071E-02	446910.5	3778029.3	486.5	4.15	13.49	1.93	YES	HRDOW
L0000445	0	0.76071E-02	446910.0	3778000.3	484.6	4.15	13.49	1.93	YES	HRDOW
L0000446	0	0.76071E-02	446909.6	3777971.3	482.6	4.15	13.49	1.93	YES	HRDOW
L0000447	0	0.34560E-02	448108.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000448	0	0.34560E-02	448095.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000449	0	0.34560E-02	448082.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000450	0	0.34560E-02	448069.3	3778200.0	495.9	4.15	6.05	1.93	YES	HRDOW
L0000451	0	0.34560E-02	448056.3	3778200.0	495.8	4.15	6.05	1.93	YES	HRDOW
L0000452	0	0.34560E-02	448043.3	3778200.0	495.7	4.15	6.05	1.93	YES	HRDOW
L0000453	0	0.34560E-02	448030.3	3778200.0	495.5	4.15	6.05	1.93	YES	HRDOW
L0000454	0	0.34560E-02	448017.3	3778200.0	495.2	4.15	6.05	1.93	YES	HRDOW
L0000455	0	0.34560E-02	448004.3	3778200.0	495.0	4.15	6.05	1.93	YES	HRDOW
L0000456	0	0.34560E-02	447991.3	3778200.0	494.9	4.15	6.05	1.93	YES	HRDOW
L0000457	0	0.34560E-02	447978.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000458	0	0.34560E-02	447965.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000459	0	0.34560E-02	447952.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000460	0	0.34560E-02	447939.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000461	0	0.34560E-02	447926.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000462	0	0.34560E-02	447913.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000463	0	0.34560E-02	447900.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000464	0	0.34560E-02	447887.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000465	0	0.34560E-02	447874.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000466	0	0.34560E-02	447861.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000467	0	0.34560E-02	447848.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000468	0	0.34560E-02	447835.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000469	0	0.34560E-02	447822.3	3778199.9	494.9	4.15	6.05	1.93	YES	HRDOW
L0000470	0	0.34560E-02	447809.3	3778199.9	495.1	4.15	6.05	1.93	YES	HRDOW
L0000471	0	0.34560E-02	447796.3	3778199.9	495.3	4.15	6.05	1.93	YES	HRDOW
L0000472	0	0.34560E-02	447783.3	3778199.9	495.5	4.15	6.05	1.93	YES	HRDOW
L0000473	0	0.34560E-02	447770.3	3778199.9	495.7	4.15	6.05	1.93	YES	HRDOW
L0000474	0	0.34560E-02	447757.3	3778199.9	495.9	4.15	6.05	1.93	YES	HRDOW
L0000475	0	0.34560E-02	447744.3	3778199.9	496.2	4.15	6.05	1.93	YES	HRDOW
L0000476	0	0.34560E-02	447731.3	3778199.9	496.4	4.15	6.05	1.93	YES	HRDOW
L0000477	0	0.34560E-02	447718.3	3778199.9	496.6	4.15	6.05	1.93	YES	HRDOW
L0000478	0	0.34560E-02	447705.3	3778199.9	496.8	4.15	6.05	1.93	YES	HRDOW
L0000479	0	0.34560E-02	447692.4	3778200.5	496.9	4.15	6.05	1.93	YES	HRDOW
L0000480	0	0.34560E-02	447679.4	3778201.7	497.0	4.15	6.05	1.93	YES	HRDOW

L0000481	0	0.34560E-02	447666.5	3778202.9	497.1	4.15	6.05	1.93	YES	HRDOW
L0000482	0	0.34560E-02	447653.5	3778204.2	497.2	4.15	6.05	1.93	YES	HRDOW
L0000483	0	0.34560E-02	447640.6	3778205.4	497.2	4.15	6.05	1.93	YES	HRDOW
L0000484	0	0.34560E-02	447627.7	3778206.6	497.3	4.15	6.05	1.93	YES	HRDOW
L0000485	0	0.34560E-02	447614.7	3778207.8	497.4	4.15	6.05	1.93	YES	HRDOW
L0000486	0	0.34560E-02	447601.8	3778209.0	497.6	4.15	6.05	1.93	YES	HRDOW
L0000487	0	0.34560E-02	447588.8	3778210.3	497.7	4.15	6.05	1.93	YES	HRDOW
L0000488	0	0.34560E-02	447575.9	3778211.2	497.9	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000489	0	0.34560E-02	447562.9	3778211.2	498.3	4.15	6.05	1.93	YES	HRDOW
L0000490	0	0.34560E-02	447549.9	3778211.2	498.6	4.15	6.05	1.93	YES	HRDOW
L0000491	0	0.34560E-02	447536.9	3778211.1	499.0	4.15	6.05	1.93	YES	HRDOW
L0000492	0	0.34560E-02	447523.9	3778211.1	499.5	4.15	6.05	1.93	YES	HRDOW
L0000493	0	0.34560E-02	447510.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000494	0	0.34560E-02	447497.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000495	0	0.34560E-02	447484.9	3778211.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000496	0	0.34560E-02	447471.9	3778210.9	499.6	4.15	6.05	1.93	YES	HRDOW
L0000497	0	0.34560E-02	447458.9	3778210.9	499.6	4.15	6.05	1.93	YES	HRDOW
L0000498	0	0.34560E-02	447445.9	3778210.8	499.2	4.15	6.05	1.93	YES	HRDOW
L0000499	0	0.34560E-02	447432.9	3778210.8	498.9	4.15	6.05	1.93	YES	HRDOW
L0000500	0	0.34560E-02	447419.9	3778210.8	498.7	4.15	6.05	1.93	YES	HRDOW
L0000501	0	0.34560E-02	447406.9	3778210.7	498.7	4.15	6.05	1.93	YES	HRDOW
L0000502	0	0.34560E-02	447393.9	3778210.7	498.6	4.15	6.05	1.93	YES	HRDOW
L0000503	0	0.34560E-02	447380.9	3778210.6	498.7	4.15	6.05	1.93	YES	HRDOW
L0000504	0	0.34560E-02	447367.9	3778210.6	498.8	4.15	6.05	1.93	YES	HRDOW
L0000505	0	0.34560E-02	447354.9	3778210.6	498.8	4.15	6.05	1.93	YES	HRDOW
L0000506	0	0.34560E-02	447341.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000507	0	0.34560E-02	447328.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000508	0	0.34560E-02	447315.9	3778210.5	498.8	4.15	6.05	1.93	YES	HRDOW
L0000509	0	0.34560E-02	447302.9	3778210.4	499.0	4.15	6.05	1.93	YES	HRDOW
L0000510	0	0.34560E-02	447289.9	3778210.4	499.3	4.15	6.05	1.93	YES	HRDOW
L0000511	0	0.34560E-02	447276.9	3778210.3	499.6	4.15	6.05	1.93	YES	HRDOW
L0000512	0	0.34560E-02	447263.9	3778210.3	499.6	4.15	6.05	1.93	YES	HRDOW
L0000513	0	0.34560E-02	447250.9	3778210.0	499.6	4.15	6.05	1.93	YES	HRDOW
L0000514	0	0.34560E-02	447238.1	3778207.9	499.4	4.15	6.05	1.93	YES	HRDOW
L0000515	0	0.34560E-02	447225.2	3778205.9	499.3	4.15	6.05	1.93	YES	HRDOW
L0000516	0	0.34560E-02	447213.0	3778201.5	499.0	4.15	6.05	1.93	YES	HRDOW
L0000517	0	0.34560E-02	447200.9	3778196.8	498.7	4.15	6.05	1.93	YES	HRDOW
L0000518	0	0.34560E-02	447188.8	3778192.0	498.4	4.15	6.05	1.93	YES	HRDOW

L0000519	0	0.34560E-02	447176.7	3778187.3	498.0	4.15	6.05	1.93	YES	HRDOW
L0000520	0	0.34560E-02	447164.6	3778182.5	497.7	4.15	6.05	1.93	YES	HRDOW
L0000521	0	0.34560E-02	447152.5	3778177.8	497.4	4.15	6.05	1.93	YES	HRDOW
L0000522	0	0.34560E-02	447140.4	3778173.0	497.1	4.15	6.05	1.93	YES	HRDOW
L0000523	0	0.34560E-02	447128.3	3778168.2	496.8	4.15	6.05	1.93	YES	HRDOW
L0000524	0	0.34560E-02	447116.2	3778163.5	496.4	4.15	6.05	1.93	YES	HRDOW
L0000525	0	0.34560E-02	447104.1	3778158.7	496.1	4.15	6.05	1.93	YES	HRDOW
L0000526	0	0.34560E-02	447092.0	3778154.0	495.8	4.15	6.05	1.93	YES	HRDOW
L0000527	0	0.34560E-02	447079.9	3778149.2	495.5	4.15	6.05	1.93	YES	HRDOW
L0000528	0	0.34560E-02	447067.8	3778144.5	495.1	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000529	0	0.34560E-02	447055.7	3778139.7	494.4	4.15	6.05	1.93	YES	HRDOW
L0000530	0	0.34560E-02	447043.6	3778134.9	493.7	4.15	6.05	1.93	YES	HRDOW
L0000531	0	0.34560E-02	447031.2	3778131.3	493.3	4.15	6.05	1.93	YES	HRDOW
L0000532	0	0.34560E-02	447018.6	3778128.1	493.1	4.15	6.05	1.93	YES	HRDOW
L0000533	0	0.34560E-02	447006.0	3778124.9	492.9	4.15	6.05	1.93	YES	HRDOW
L0000534	0	0.34560E-02	446993.1	3778123.3	492.8	4.15	6.05	1.93	YES	HRDOW
L0000535	0	0.34560E-02	446980.2	3778122.6	492.7	4.15	6.05	1.93	YES	HRDOW
L0000536	0	0.34560E-02	446967.2	3778121.9	492.7	4.15	6.05	1.93	YES	HRDOW
L0000537	0	0.34560E-02	446954.2	3778121.2	492.6	4.15	6.05	1.93	YES	HRDOW
L0000538	0	0.34560E-02	446941.2	3778120.6	492.6	4.15	6.05	1.93	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA1	0	0.63243E-05	447089.3	3778831.1	541.0	4.15	38	1.93	YES	HRDOW
PAREA2	0	0.45034E-04	447005.9	3778782.4	537.8	4.15	21	1.93	YES	HRDOW
PAREA3	0	0.12709E-03	447280.1	3778821.1	540.3	4.15	16	1.93	YES	HRDOW
PAREA4	0	0.64386E-04	447359.0	3778758.7	536.2	4.15	16	1.93	YES	HRDOW
PAREA5	0	0.10658E-04	447092.4	3778831.2	541.0	4.15	37	1.93	YES	HRDOW

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
PHASE1	PAREA1 ,
SLINE1	L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,
	L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
	L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
	L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
	L0000361 , L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 ,
	L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 ,
	L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 ,
	L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
	L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
	L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
	L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
	L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 ,
	L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 ,
	L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 ,
	L0000441 , L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
	L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
	L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
	L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 ,
	L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 ,

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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                    ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                      ***        21:43:44
                                                                                                             PAGE  10
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                      *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                                          SOURCE IDs
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           L0000481    , L0000482    , L0000483    , L0000484    , L0000485    , L0000486    , L0000487    , L0000488    ,
           L0000489    , L0000490    , L0000491    , L0000492    , L0000493    , L0000494    , L0000495    , L0000496    ,
           L0000497    , L0000498    , L0000499    , L0000500    , L0000501    , L0000502    , L0000503    , L0000504    ,
           L0000505    , L0000506    , L0000507    , L0000508    , L0000509    , L0000510    , L0000511    , L0000512    ,
           L0000513    , L0000514    , L0000515    , L0000516    , L0000517    , L0000518    , L0000519    , L0000520    ,
           L0000521    , L0000522    , L0000523    , L0000524    , L0000525    , L0000526    , L0000527    , L0000528    ,
           L0000529    , L0000530    , L0000531    , L0000532    , L0000533    , L0000534    , L0000535    , L0000536    ,
           L0000537    , L0000538    ,
 PHASE2    PAREA2      ,
 PHASE3    PAREA3      ,
 PHASE4    PAREA4      ,
 PHASE5    PAREA5      ,
 ALLPHASE  PAREA1      , PAREA2      , PAREA3      , PAREA4      , PAREA5      ,
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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                    ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                      ***        21:43:44
                                                                                                             PAGE  11

*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


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

 URBAN ID   URBAN POP                                SOURCE IDs
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             2181654.   PAREA1      , L0000329    , L0000330    , L0000331    , L0000332    , L0000333    , L0000334    ,
L0000335    ,
            L0000336    , L0000337    , L0000338    , L0000339    , L0000340    , L0000341    , L0000342    , L0000343    ,
            L0000344    , L0000345    , L0000346    , L0000347    , L0000348    , L0000349    , L0000350    , L0000351    ,
            L0000352    , L0000353    , L0000354    , L0000355    , L0000356    , L0000357    , L0000358    , L0000359    ,
            L0000360    , L0000361    , L0000362    , L0000363    , L0000364    , L0000365    , L0000366    , L0000367    ,
            L0000368    , L0000369    , L0000370    , L0000371    , L0000372    , L0000373    , L0000374    , L0000375    ,
            L0000376    , L0000377    , L0000378    , L0000379    , L0000380    , L0000381    , L0000382    , L0000383    ,
            L0000384    , L0000385    , L0000386    , L0000387    , L0000388    , L0000389    , L0000390    , L0000391    ,
            L0000392    , L0000393    , L0000394    , L0000395    , L0000396    , L0000397    , L0000398    , L0000399    ,
            L0000400    , L0000401    , L0000402    , L0000403    , L0000404    , L0000405    , L0000406    , L0000407    ,
            L0000408    , L0000409    , L0000410    , L0000411    , L0000412    , L0000413    , L0000414    , L0000415    ,
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            L0000424    , L0000425    , L0000426    , L0000427    , L0000428    , L0000429    , L0000430    , L0000431    ,
            L0000432    , L0000433    , L0000434    , L0000435    , L0000436    , L0000437    , L0000438    , L0000439    ,
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            L0000456    , L0000457    , L0000458    , L0000459    , L0000460    , L0000461    , L0000462    , L0000463    ,
            L0000464    , L0000465    , L0000466    , L0000467    , L0000468    , L0000469    , L0000470    , L0000471    ,
            L0000472    , L0000473    , L0000474    , L0000475    , L0000476    , L0000477    , L0000478    , L0000479    ,
            L0000480    , L0000481    , L0000482    , L0000483    , L0000484    , L0000485    , L0000486    , L0000487    ,
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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                    ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                      ***        21:43:44
                                                                                                             PAGE  12
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 URBAN ID   URBAN POP                                SOURCE IDs
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           L0000488    , L0000489    , L0000490    , L0000491    , L0000492    , L0000493    , L0000494    , L0000495    ,
           L0000496    , L0000497    , L0000498    , L0000499    , L0000500    , L0000501    , L0000502    , L0000503    ,
           L0000504    , L0000505    , L0000506    , L0000507    , L0000508    , L0000509    , L0000510    , L0000511    ,
           L0000512    , L0000513    , L0000514    , L0000515    , L0000516    , L0000517    , L0000518    , L0000519    ,
           L0000520    , L0000521    , L0000522    , L0000523    , L0000524    , L0000525    , L0000526    , L0000527    ,
           L0000528    , L0000529    , L0000530    , L0000531    , L0000532    , L0000533    , L0000534    , L0000535    ,
           L0000536    , L0000537    , L0000538    , PAREA2      , PAREA3      , PAREA4      , PAREA5      ,
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Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = PAREA1 through PAREA5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = L0000329 thru L0000538 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                          ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        21:43:44
                                                                                                                    PAGE 230
*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  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,
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Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

Surface file: MetData\UPLA_v9.SFC Met Version: 16216
Profile file: MetData\UPLA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	351.	9.1	284.2	5.5
12	01	01	1	02	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	347.	9.1	284.2	5.5
12	01	01	1	03	-25.9	0.270	-9.000	-9.000	-999.	336.	79.9	0.34	1.15	1.00	2.20	340.	9.1	284.2	5.5
12	01	01	1	04	-20.9	0.218	-9.000	-9.000	-999.	246.	52.4	0.34	1.15	1.00	1.80	337.	9.1	285.4	5.5
12	01	01	1	05	-5.4	0.105	-9.000	-9.000	-999.	89.	18.5	0.34	1.15	1.00	0.90	344.	9.1	284.9	5.5
12	01	01	1	06	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	17.	9.1	283.1	5.5
12	01	01	1	07	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	326.	9.1	282.0	5.5
12	01	01	1	08	-10.1	0.156	-9.000	-9.000	-999.	147.	32.6	0.34	1.15	0.53	1.30	337.	9.1	284.9	5.5
12	01	01	1	09	42.1	0.096	0.369	0.015	42.	72.	-1.8	0.34	1.15	0.31	0.40	347.	9.1	291.4	5.5
12	01	01	1	10	102.2	0.280	0.715	0.005	125.	356.	-18.8	0.34	1.15	0.24	1.80	320.	9.1	296.4	5.5
12	01	01	1	11	143.5	0.233	1.110	0.005	333.	271.	-7.7	0.34	1.15	0.21	1.30	185.	9.1	297.5	5.5
12	01	01	1	12	162.2	0.188	1.407	0.005	600.	196.	-3.6	0.34	1.15	0.20	0.90	199.	9.1	298.1	5.5
12	01	01	1	13	158.3	0.187	1.641	0.005	974.	195.	-3.6	0.34	1.15	0.20	0.90	152.	9.1	299.9	5.5
12	01	01	1	14	131.9	0.288	1.687	0.005	1270.	370.	-15.7	0.34	1.15	0.22	1.80	107.	9.1	301.4	5.5
12	01	01	1	15	84.3	0.106	1.511	0.005	1427.	119.	-1.2	0.34	1.15	0.25	0.40	107.	9.1	302.0	5.5
12	01	01	1	16	32.1	0.154	1.105	0.005	1463.	146.	-10.0	0.34	1.15	0.34	0.90	124.	9.1	302.0	5.5
12	01	01	1	17	-10.6	0.155	-9.000	-9.000	-999.	146.	30.5	0.34	1.15	0.62	1.30	138.	9.1	299.9	5.5
12	01	01	1	18	-20.4	0.219	-9.000	-9.000	-999.	245.	52.5	0.34	1.15	1.00	1.80	353.	9.1	293.1	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.15	1.00	999.00	999.	-9.0	291.2	5.5
12	01	01	1	20	-5.4	0.105	-9.000	-9.000	-999.	81.	18.6	0.34	1.15	1.00	0.90	308.	9.1	289.2	5.5
12	01	01	1	21	-11.4	0.154	-9.000	-9.000	-999.	145.	27.9	0.34	1.15	1.00	1.30	339.	9.1	287.0	5.5
12	01	01	1	22	-11.5	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	1.15	1.00	1.30	339.	9.1	286.4	5.5
12	01	01	1	23	-5.4	0.105	-9.000	-9.000	-999.	81.	18.5	0.34	1.15	1.00	0.90	336.	9.1	285.4	5.5
12	01	01	1	24	-11.5	0.154	-9.000	-9.000	-999.	145.	27.7	0.34	1.15	1.00	1.30	338.	9.1	284.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
12	01	01	01	9.1	1	351.	1.80	-999.0	99.0	-99.00	-99.00

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

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.09302	447661.81	3778057.23	0.09019
447681.81	3778057.23	0.08758	447701.81	3778057.23	0.08520
447721.81	3778057.23	0.08300	447741.81	3778057.23	0.08102
447761.81	3778057.23	0.07923	447781.81	3778057.23	0.07747
447801.81	3778057.23	0.07587	447821.81	3778057.23	0.07433
447841.81	3778057.23	0.07280	447861.81	3778057.23	0.07124
447881.81	3778057.23	0.06961	447901.81	3778057.23	0.06790
447641.81	3778077.23	0.09657	447661.81	3778077.23	0.09356
447681.81	3778077.23	0.09081	447701.81	3778077.23	0.08835
447721.81	3778077.23	0.08614	447741.81	3778077.23	0.08416
447761.81	3778077.23	0.08236	447781.81	3778077.23	0.08057
447801.81	3778077.23	0.07897	447821.81	3778077.23	0.07745
447841.81	3778077.23	0.07592	447861.81	3778077.23	0.07434
447881.81	3778077.23	0.07268	447901.81	3778077.23	0.07091
447641.81	3778097.23	0.10059	447661.81	3778097.23	0.09737
447681.81	3778097.23	0.09448	447701.81	3778097.23	0.09191
447721.81	3778097.23	0.08965	447741.81	3778097.23	0.08766
447761.81	3778097.23	0.08587	447781.81	3778097.23	0.08411
447801.81	3778097.23	0.08253	447821.81	3778097.23	0.08103
447841.81	3778097.23	0.07950	447861.81	3778097.23	0.07790
447881.81	3778097.23	0.07619	447901.81	3778097.23	0.07434
447641.81	3778117.23	0.10507	447661.81	3778117.23	0.10161
447681.81	3778117.23	0.09855	447701.81	3778117.23	0.09589
447721.81	3778117.23	0.09358	447741.81	3778117.23	0.09153
447761.81	3778117.23	0.08968	447781.81	3778117.23	0.08806
447801.81	3778117.23	0.08656	447821.81	3778117.23	0.08509
447841.81	3778117.23	0.08357	447861.81	3778117.23	0.08194
447881.81	3778117.23	0.08016	447901.81	3778117.23	0.07822
447641.81	3778137.23	0.11009	447661.81	3778137.23	0.10635
447681.81	3778137.23	0.10311	447701.81	3778137.23	0.10035
447721.81	3778137.23	0.09801	447741.81	3778137.23	0.09593
447761.81	3778137.23	0.09409	447781.81	3778137.23	0.09258
447801.81	3778137.23	0.09115	447821.81	3778137.23	0.08972
447841.81	3778137.23	0.08820	447861.81	3778137.23	0.08653
447881.81	3778137.23	0.08467	447901.81	3778137.23	0.08255
447641.81	3778157.23	0.11571	447661.81	3778157.23	0.11168
447681.81	3778157.23	0.10825	447701.81	3778157.23	0.10539

Model Output - School Receptors
Unit Emission Rates (1 g/s)

447721.81	3778157.23	0.10304	447741.81	3778157.23	0.10098
447761.81	3778157.23	0.09920	447781.81	3778157.23	0.09776
447801.81	3778157.23	0.09640	447821.81	3778157.23	0.09501

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
447841.81	3778157.23	0.09349		447861.81	3778157.23	0.09178
447881.81	3778157.23	0.08979		447901.81	3778157.23	0.08742
447641.81	**3778177.23**	**0.12209**	**Student MER**	447661.81	3778177.23	0.11772
447681.81	3778177.23	0.11409		447701.81	3778177.23	0.11114
447721.81	3778177.23	0.10878		447741.81	3778177.23	0.10678
447761.81	3778177.23	0.10507		447781.81	3778177.23	0.10373
447801.81	3778177.23	0.10237		447821.81	3778177.23	0.10092
447841.81	3778177.23	0.09940		447861.81	3778177.23	0.09761
447881.81	3778177.23	0.09551		447901.81	3778177.23	0.09303

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.27565	447661.81	3778057.23	0.27597
447681.81	3778057.23	0.27620	447701.81	3778057.23	0.27623
447721.81	3778057.23	0.27582	447741.81	3778057.23	0.27525
447761.81	3778057.23	0.27442	447781.81	3778057.23	0.27289
447801.81	3778057.23	0.27134	447821.81	3778057.23	0.26965
447841.81	3778057.23	0.26762	447861.81	3778057.23	0.26523
447881.81	3778057.23	0.26242	447901.81	3778057.23	0.25913
447641.81	3778077.23	0.33119	447661.81	3778077.23	0.33252
447681.81	3778077.23	0.33369	447701.81	3778077.23	0.33455
447721.81	3778077.23	0.33501	447741.81	3778077.23	0.33503
447761.81	3778077.23	0.33450	447781.81	3778077.23	0.33278
447801.81	3778077.23	0.33123	447821.81	3778077.23	0.32964
447841.81	3778077.23	0.32763	447861.81	3778077.23	0.32517
447881.81	3778077.23	0.32220	447901.81	3778077.23	0.31865
447641.81	3778097.23	0.41073	447661.81	3778097.23	0.41398
447681.81	3778097.23	0.41697	447701.81	3778097.23	0.41939
447721.81	3778097.23	0.42108	447741.81	3778097.23	0.42200
447761.81	3778097.23	0.42208	447781.81	3778097.23	0.42046
447801.81	3778097.23	0.41909	447821.81	3778097.23	0.41773
447841.81	3778097.23	0.41583	447861.81	3778097.23	0.41335
447881.81	3778097.23	0.41025	447901.81	3778097.23	0.40644
447641.81	3778117.23	0.53168	447661.81	3778117.23	0.53897
447681.81	3778117.23	0.54576	447701.81	3778117.23	0.55141
447721.81	3778117.23	0.55553	447741.81	3778117.23	0.55728
447761.81	3778117.23	0.55738	447781.81	3778117.23	0.55725
447801.81	3778117.23	0.55682	447821.81	3778117.23	0.55591
447841.81	3778117.23	0.55424	447861.81	3778117.23	0.55182
447881.81	3778117.23	0.54863	447901.81	3778117.23	0.54457
447641.81	3778137.23	0.73319	447661.81	3778137.23	0.74992
447681.81	3778137.23	0.76580	447701.81	3778137.23	0.77896
447721.81	3778137.23	0.78837	447741.81	3778137.23	0.79181
447761.81	3778137.23	0.79183	447781.81	3778137.23	0.79433
447801.81	3778137.23	0.79552	447821.81	3778137.23	0.79549
447841.81	3778137.23	0.79428	447861.81	3778137.23	0.79200

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447881.81	3778137.23	0.78855	447901.81	3778137.23	0.78289
447641.81	3778157.23	1.11836	447661.81	3778157.23	1.16151
447681.81	3778157.23	1.20396	447701.81	3778157.23	1.23883
447721.81	3778157.23	1.26156	447741.81	3778157.23	1.26854
447761.81	3778157.23	1.26787	447781.81	3778157.23	1.27460
447801.81	3778157.23	1.27894	447821.81	3778157.23	1.28116

*** AERMOD - VERSION 21112 *** *** Construction HRA_Banyan Elementary School *** 01/26/22
*** AERMET - VERSION 16216 *** *** Rancho Cucamonga Campus *** 21:43:44
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*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447841.81	3778157.23	1.28093	447861.81	3778157.23	1.27885
447881.81	3778157.23	1.27419	447901.81	3778157.23	1.25947
447641.81	**3778177.23**	**2.04633**	447661.81	3778177.23	2.18707
447681.81	3778177.23	2.33663	447701.81	3778177.23	2.46182
447721.81	3778177.23	2.52823	447741.81	3778177.23	2.53624
447761.81	3778177.23	2.52233	447781.81	3778177.23	2.54707
447801.81	3778177.23	2.54915	447821.81	3778177.23	2.53667
447841.81	3778177.23	2.54133	447861.81	3778177.23	2.53978
447881.81	3778177.23	2.53453	447901.81	3778177.23	2.51321

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.06860	447661.81	3778057.23	0.06478
447681.81	3778057.23	0.06115	447701.81	3778057.23	0.05771
447721.81	3778057.23	0.05443	447741.81	3778057.23	0.05138
447761.81	3778057.23	0.04852	447781.81	3778057.23	0.04580
447801.81	3778057.23	0.04330	447821.81	3778057.23	0.04099
447841.81	3778057.23	0.03884	447861.81	3778057.23	0.03684
447881.81	3778057.23	0.03499	447901.81	3778057.23	0.03328
447641.81	3778077.23	0.06925	447661.81	3778077.23	0.06531
447681.81	3778077.23	0.06158	447701.81	3778077.23	0.05807
447721.81	3778077.23	0.05476	447741.81	3778077.23	0.05167
447761.81	3778077.23	0.04876	447781.81	3778077.23	0.04598
447801.81	3778077.23	0.04344	447821.81	3778077.23	0.04112
447841.81	3778077.23	0.03896	447861.81	3778077.23	0.03697
447881.81	3778077.23	0.03512	447901.81	3778077.23	0.03341
447641.81	3778097.23	0.06997	447661.81	3778097.23	0.06591
447681.81	3778097.23	0.06209	447701.81	3778097.23	0.05849
447721.81	3778097.23	0.05512	447741.81	3778097.23	0.05197
447761.81	3778097.23	0.04902	447781.81	3778097.23	0.04621
447801.81	3778097.23	0.04366	447821.81	3778097.23	0.04132
447841.81	3778097.23	0.03916	447861.81	3778097.23	0.03716
447881.81	3778097.23	0.03532	447901.81	3778097.23	0.03362
447641.81	3778117.23	0.07072	447661.81	3778117.23	0.06654
447681.81	3778117.23	0.06262	447701.81	3778117.23	0.05894
447721.81	3778117.23	0.05551	447741.81	3778117.23	0.05227
447761.81	3778117.23	0.04925	447781.81	3778117.23	0.04647
447801.81	3778117.23	0.04392	447821.81	3778117.23	0.04158
447841.81	3778117.23	0.03941	447861.81	3778117.23	0.03741
447881.81	3778117.23	0.03558	447901.81	3778117.23	0.03389
447641.81	3778137.23	0.07149	447661.81	3778137.23	0.06720
447681.81	3778137.23	0.06318	447701.81	3778137.23	0.05943
447721.81	3778137.23	0.05594	447741.81	3778137.23	0.05263
447761.81	3778137.23	0.04956	447781.81	3778137.23	0.04679
447801.81	3778137.23	0.04424	447821.81	3778137.23	0.04189
447841.81	3778137.23	0.03972	447861.81	3778137.23	0.03773
447881.81	3778137.23	0.03590	447901.81	3778137.23	0.03420
447641.81	3778157.23	0.07230	447661.81	3778157.23	0.06790
447681.81	3778157.23	0.06379	447701.81	3778157.23	0.05997

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447841.81	3778157.23	0.04011	447861.81	3778157.23	0.03813
447881.81	3778157.23	0.03630	447901.81	3778157.23	0.03458
447641.81	**3778177.23**	**0.07316**	447661.81	3778177.23	0.06866
447681.81	3778177.23	0.06447	447701.81	3778177.23	0.06058
447721.81	3778177.23	0.05699	447741.81	3778177.23	0.05361
447761.81	3778177.23	0.05047	447781.81	3778177.23	0.04768
447801.81	3778177.23	0.04508	447821.81	3778177.23	0.04268
447841.81	3778177.23	0.04053	447861.81	3778177.23	0.03856
447881.81	3778177.23	0.03675	447901.81	3778177.23	0.03509

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***
INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.08876	447661.81	3778057.23	0.08483
447681.81	3778057.23	0.08099	447701.81	3778057.23	0.07725
447721.81	3778057.23	0.07358	447741.81	3778057.23	0.07008
447761.81	3778057.23	0.06673	447781.81	3778057.23	0.06346
447801.81	3778057.23	0.06039	447821.81	3778057.23	0.05750
447841.81	3778057.23	0.05476	447861.81	3778057.23	0.05218
447881.81	3778057.23	0.04975	447901.81	3778057.23	0.04747
447641.81	3778077.23	0.09204	447661.81	3778077.23	0.08790
447681.81	3778077.23	0.08385	447701.81	3778077.23	0.07992
447721.81	3778077.23	0.07612	447741.81	3778077.23	0.07246
447761.81	3778077.23	0.06893	447781.81	3778077.23	0.06548
447801.81	3778077.23	0.06227	447821.81	3778077.23	0.05925
447841.81	3778077.23	0.05640	447861.81	3778077.23	0.05373
447881.81	3778077.23	0.05121	447901.81	3778077.23	0.04886
447641.81	3778097.23	0.09584	447661.81	3778097.23	0.09145
447681.81	3778097.23	0.08717	447701.81	3778097.23	0.08300
447721.81	3778097.23	0.07899	447741.81	3778097.23	0.07512
447761.81	3778097.23	0.07141	447781.81	3778097.23	0.06778
447801.81	3778097.23	0.06441	447821.81	3778097.23	0.06126
447841.81	3778097.23	0.05829	447861.81	3778097.23	0.05550
447881.81	3778097.23	0.05289	447901.81	3778097.23	0.05045
447641.81	3778117.23	0.10016	447661.81	3778117.23	0.09547
447681.81	3778117.23	0.09091	447701.81	3778117.23	0.08648
447721.81	3778117.23	0.08220	447741.81	3778117.23	0.07805
447761.81	3778117.23	0.07407	447781.81	3778117.23	0.07033
447801.81	3778117.23	0.06681	447821.81	3778117.23	0.06350
447841.81	3778117.23	0.06039	447861.81	3778117.23	0.05748
447881.81	3778117.23	0.05476	447901.81	3778117.23	0.05222
447641.81	3778137.23	0.10506	447661.81	3778137.23	0.10003
447681.81	3778137.23	0.09512	447701.81	3778137.23	0.09038
447721.81	3778137.23	0.08582	447741.81	3778137.23	0.08137
447761.81	3778137.23	0.07710	447781.81	3778137.23	0.07318
447801.81	3778137.23	0.06948	447821.81	3778137.23	0.06600
447841.81	3778137.23	0.06274	447861.81	3778137.23	0.05968
447881.81	3778137.23	0.05684	447901.81	3778137.23	0.05416
447641.81	3778157.23	0.11063	447661.81	3778157.23	0.10517
447681.81	3778157.23	0.09987	447701.81	3778157.23	0.09476

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***
INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447721.81	3778157.23	0.08986	447741.81	3778157.23	0.08509
447761.81	3778157.23	0.08055	447781.81	3778157.23	0.07638
447801.81	3778157.23	0.07245	447821.81	3778157.23	0.06876
447841.81	3778157.23	0.06532	447861.81	3778157.23	0.06212
447881.81	3778157.23	0.05912	447901.81	3778157.23	0.05627
447641.81	**3778177.23**	**0.11692**	447661.81	3778177.23	0.11095
447681.81	3778177.23	0.10519	447701.81	3778177.23	0.09966
447721.81	3778177.23	0.09437	447741.81	3778177.23	0.08924
447761.81	3778177.23	0.08436	447781.81	3778177.23	0.07991
447801.81	3778177.23	0.07568	447821.81	3778177.23	0.07171
447841.81	3778177.23	0.06809	447861.81	3778177.23	0.06471
447881.81	3778177.23	0.06158	447901.81	3778177.23	0.05865

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE4 ***
INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.13153	447661.81	3778057.23	0.12492
447681.81	3778057.23	0.11834	447701.81	3778057.23	0.11186
447721.81	3778057.23	0.10547	447741.81	3778057.23	0.09935
447761.81	3778057.23	0.09348	447781.81	3778057.23	0.08778
447801.81	3778057.23	0.08246	447821.81	3778057.23	0.07749
447841.81	3778057.23	0.07283	447861.81	3778057.23	0.06848
447881.81	3778057.23	0.06443	447901.81	3778057.23	0.06068
447641.81	3778077.23	0.13669	447661.81	3778077.23	0.12951
447681.81	3778077.23	0.12241	447701.81	3778077.23	0.11545
447721.81	3778077.23	0.10869	447741.81	3778077.23	0.10220
447761.81	3778077.23	0.09597	447781.81	3778077.23	0.08991
447801.81	3778077.23	0.08432	447821.81	3778077.23	0.07914
447841.81	3778077.23	0.07431	447861.81	3778077.23	0.06981
447881.81	3778077.23	0.06564	447901.81	3778077.23	0.06179
447641.81	3778097.23	0.14240	447661.81	3778097.23	0.13458
447681.81	3778097.23	0.12688	447701.81	3778097.23	0.11938
447721.81	3778097.23	0.11215	447741.81	3778097.23	0.10523
447761.81	3778097.23	0.09863	447781.81	3778097.23	0.09226
447801.81	3778097.23	0.08640	447821.81	3778097.23	0.08099
447841.81	3778097.23	0.07597	447861.81	3778097.23	0.07132
447881.81	3778097.23	0.06703	447901.81	3778097.23	0.06309
447641.81	3778117.23	0.14856	447661.81	3778117.23	0.14002
447681.81	3778117.23	0.13166	447701.81	3778117.23	0.12358
447721.81	3778117.23	0.11583	447741.81	3778117.23	0.10837
447761.81	3778117.23	0.10128	447781.81	3778117.23	0.09471
447801.81	3778117.23	0.08862	447821.81	3778117.23	0.08299
447841.81	3778117.23	0.07778	447861.81	3778117.23	0.07298
447881.81	3778117.23	0.06857	447901.81	3778117.23	0.06452
447641.81	3778137.23	0.15519	447661.81	3778137.23	0.14585
447681.81	3778137.23	0.13677	447701.81	3778137.23	0.12805
447721.81	3778137.23	0.11975	447741.81	3778137.23	0.11175
447761.81	3778137.23	0.10421	447781.81	3778137.23	0.09737
447801.81	3778137.23	0.09102	447821.81	3778137.23	0.08516
447841.81	3778137.23	0.07976	447861.81	3778137.23	0.07480
447881.81	3778137.23	0.07026	447901.81	3778137.23	0.06608
447641.81	3778157.23	0.16230	447661.81	3778157.23	0.15207
447681.81	3778157.23	0.14222	447701.81	3778157.23	0.13281

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE4 ***
INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447841.81	3778157.23	0.08192	447861.81	3778157.23	0.07681
447881.81	3778157.23	0.07214	447901.81	3778157.23	0.06780
447641.81	**3778177.23**	**0.16990**	447661.81	3778177.23	0.15870
447681.81	3778177.23	0.14799	447701.81	3778177.23	0.13785
447721.81	3778177.23	0.12834	447741.81	3778177.23	0.11930
447761.81	3778177.23	0.11089	447781.81	3778177.23	0.10334
447801.81	3778177.23	0.09634	447821.81	3778177.23	0.08991
447841.81	3778177.23	0.08415	447861.81	3778177.23	0.07891
447881.81	3778177.23	0.07416	447901.81	3778177.23	0.06981

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE5 ***
INCLUDING SOURCE(S): PAREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447641.81	3778057.23	0.28353	447661.81	3778057.23	0.30185
447681.81	3778057.23	0.31895	447701.81	3778057.23	0.33396
447721.81	3778057.23	0.34598	447741.81	3778057.23	0.35453
447761.81	3778057.23	0.35902	447781.81	3778057.23	0.35884
447801.81	3778057.23	0.35437	447821.81	3778057.23	0.34568
447841.81	3778057.23	0.33310	447861.81	3778057.23	0.31728
447881.81	3778057.23	0.29901	447901.81	3778057.23	0.27918
447641.81	3778077.23	0.30917	447661.81	3778077.23	0.33077
447681.81	3778077.23	0.35100	447701.81	3778077.23	0.36881
447721.81	3778077.23	0.38318	447741.81	3778077.23	0.39327
447761.81	3778077.23	0.39838	447781.81	3778077.23	0.39782
447801.81	3778077.23	0.39217	447821.81	3778077.23	0.38154
447841.81	3778077.23	0.36630	447861.81	3778077.23	0.34731
447881.81	3778077.23	0.32560	447901.81	3778077.23	0.30231
447641.81	3778097.23	0.33969	447661.81	3778097.23	0.36557
447681.81	3778097.23	0.38994	447701.81	3778097.23	0.41139
447721.81	3778097.23	0.42865	447741.81	3778097.23	0.44067
447761.81	3778097.23	0.44667	447781.81	3778097.23	0.44584
447801.81	3778097.23	0.43883	447821.81	3778097.23	0.42577
447841.81	3778097.23	0.40718	447861.81	3778097.23	0.38418
447881.81	3778097.23	0.35812	447901.81	3778097.23	0.33050
447641.81	3778117.23	0.37636	447661.81	3778117.23	0.40803
447681.81	3778117.23	0.43801	447701.81	3778117.23	0.46441
447721.81	3778117.23	0.48554	447741.81	3778117.23	0.49993
447761.81	3778117.23	0.50689	447781.81	3778117.23	0.50625
447801.81	3778117.23	0.49780	447821.81	3778117.23	0.48176
447841.81	3778117.23	0.45889	447861.81	3778117.23	0.43067
447881.81	3778117.23	0.39898	447901.81	3778117.23	0.36580
447641.81	3778137.23	0.42133	447661.81	3778137.23	0.46116
447681.81	3778137.23	0.49920	447701.81	3778137.23	0.53259
447721.81	3778137.23	0.55910	447741.81	3778137.23	0.57696
447761.81	3778137.23	0.58567	447781.81	3778137.23	0.58542
447801.81	3778137.23	0.57539	447821.81	3778137.23	0.55570
447841.81	3778137.23	0.52724	447861.81	3778137.23	0.49195
447881.81	3778137.23	0.45254	447901.81	3778137.23	0.41173
447641.81	3778157.23	0.47792	447661.81	3778157.23	0.53006
447681.81	3778157.23	0.58038	447701.81	3778157.23	0.62431

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE5 ***
INCLUDING SOURCE(S): PAREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447841.81	3778157.23	0.62308	447861.81	3778157.23	0.57748
447881.81	3778157.23	0.52669	447901.81	3778157.23	0.47475
447641.81	**3778177.23**	**0.55168**	447661.81	3778177.23	0.62417
447681.81	3778177.23	0.69530	447701.81	3778177.23	0.75662
447721.81	3778177.23	0.80439	447741.81	3778177.23	0.83734
447761.81	3778177.23	0.85551	447781.81	3778177.23	0.85923
447801.81	3778177.23	0.84648	447821.81	3778177.23	0.81600
447841.81	3778177.23	0.76802	447861.81	3778177.23	0.70561
447881.81	3778177.23	0.63627	447901.81	3778177.23	0.56751

Model Output - School Receptors
Unit Emission Rates (1 g/s)

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
		Maximum Exposed Student Receptor			
PHASE1	1ST HIGHEST VALUE IS	0.12209	AT (447641.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.11772	AT (447661.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.11571	AT (447641.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.11409	AT (447681.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.11168	AT (447661.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.11114	AT (447701.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.11009	AT (447641.81, 3778137.23, 492.70, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.10878	AT (447721.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.10825	AT (447681.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.10678	AT (447741.81, 3778177.23, 494.95, 2699.00, 0.00)	DC	
SLINE1	1ST HIGHEST VALUE IS	2.54915	AT (447801.81, 3778177.23, 494.08, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	2.54707	AT (447781.81, 3778177.23, 494.36, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.54133	AT (447841.81, 3778177.23, 493.68, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.53978	AT (447861.81, 3778177.23, 493.68, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.53667	AT (447821.81, 3778177.23, 493.68, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.53624	AT (447741.81, 3778177.23, 494.95, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.53453	AT (447881.81, 3778177.23, 493.66, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	2.52823	AT (447721.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	2.52233	AT (447761.81, 3778177.23, 494.36, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	2.51321	AT (447901.81, 3778177.23, 493.44, 2699.00, 0.00)	DC	
PHASE2	1ST HIGHEST VALUE IS	0.07316	AT (447641.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.07230	AT (447641.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.07149	AT (447641.81, 3778137.23, 492.70, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.07072	AT (447641.81, 3778117.23, 491.36, 2699.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.06997	AT (447641.81, 3778097.23, 490.03, 2699.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.06925	AT (447641.81, 3778077.23, 488.70, 2699.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.06866	AT (447661.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.06860	AT (447641.81, 3778057.23, 487.68, 2699.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.06790	AT (447661.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.06720	AT (447661.81, 3778137.23, 492.70, 2699.00, 0.00)	DC	
PHASE3	1ST HIGHEST VALUE IS	0.11692	AT (447641.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.11095	AT (447661.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.11063	AT (447641.81, 3778157.23, 494.03, 2699.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.10519	AT (447681.81, 3778177.23, 495.36, 2699.00, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.10517 AT (  447661.81,  3778157.23,    494.03,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.10506 AT (  447641.81,  3778137.23,    492.70,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.10016 AT (  447641.81,  3778117.23,    491.36,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.10003 AT (  447661.81,  3778137.23,    492.70,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09987 AT (  447681.81,  3778157.23,    494.03,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09966 AT (  447701.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
 *** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                          ***        01/26/22
 *** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                            ***        21:43:44
                                                                                                                   PAGE 247
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                    *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

PHASE4    1ST HIGHEST VALUE IS       0.16990 AT (  447641.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.16230 AT (  447641.81,  3778157.23,    494.03,  2699.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.15870 AT (  447661.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.15519 AT (  447641.81,  3778137.23,    492.70,  2699.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.15207 AT (  447661.81,  3778157.23,    494.03,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.14856 AT (  447641.81,  3778117.23,    491.36,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.14799 AT (  447681.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.14585 AT (  447661.81,  3778137.23,    492.70,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.14240 AT (  447641.81,  3778097.23,    490.03,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.14222 AT (  447681.81,  3778157.23,    494.03,  2699.00,    0.00)  DC

PHASE5    1ST HIGHEST VALUE IS       0.85923 AT (  447781.81,  3778177.23,    494.36,  2699.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.85551 AT (  447761.81,  3778177.23,    494.36,  2699.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.84648 AT (  447801.81,  3778177.23,    494.08,  2699.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.83734 AT (  447741.81,  3778177.23,    494.95,  2699.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.81600 AT (  447821.81,  3778177.23,    493.68,  2699.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.80439 AT (  447721.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.76802 AT (  447841.81,  3778177.23,    493.68,  2699.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.75662 AT (  447701.81,  3778177.23,    495.36,  2699.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.70561 AT (  447861.81,  3778177.23,    493.68,  2699.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.69530 AT (  447681.81,  3778177.23,    495.36,  2699.00,    0.00)  DC

 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** AERMOD - VERSION 21112  ***   *** Construction HRA_Banyan Elementary School                    ***        01/26/22
*** AERMET - VERSION  16216 ***   *** Rancho Cucamonga Campus                                      ***        21:43:44
                                                                                                             PAGE 248

*** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of          956 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           49 Calm Hours Identified

A Total of          907 Missing Hours Identified (  2.07 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186    3367       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    3367       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
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Appendix C. Construction Risk Calculations

Table C1
Residential Concentrations for Construction Risk Calculations

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MEIR Conc. ($\mu g/m^3$)	Total MEIR Conc. Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Residential Receptors						
DPM	2026	Phase 1 On-Site	2.41	1.01E-02	2.44E-02	2.45E-02
		Phase 1 Truck Route	0.15	6.58E-05	9.62E-06	
	2027	Phase 1 On-Site	2.41	6.98E-03	1.68E-02	1.69E-02
		Phase 1 Truck Route	0.15	5.69E-05	8.33E-06	
	2030	Phase 2 On-Site	0.13	2.30E-03	3.03E-04	3.06E-04
		Phase 2 Truck Route	0.15	1.76E-05	2.58E-06	
	2031	Phase 2 On-Site	0.13	1.93E-03	2.54E-04	2.56E-04
		Phase 2 Truck Route	0.15	1.16E-05	1.70E-06	
	2038	Phase 3 On-Site	0.20	7.02E-04	1.44E-04	1.46E-04
		Phase 3 Truck Route	0.15	1.23E-05	1.80E-06	
	2042	Phase 4 On-Site	0.34	2.98E-04	1.01E-04	1.02E-04
		Phase 4 Truck Route	0.15	5.28E-06	7.73E-07	
	2049	Phase 5 On-Site	1.27	3.85E-03	4.87E-03	4.87E-03
		Phase 5 Truck Route	0.15	3.50E-05	5.12E-06	
	2050	Phase 5 On-Site	1.27	1.13E-03	1.43E-03	1.43E-03
		Phase 5 Truck Route	0.15	1.01E-05	1.47E-06	
					Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations	

Maximum Exposed Individual Resident (MEIR) UTM coordinates: 447913.02E, 3778635.85N

[1] Model Output (Appendix B) at the MEIR based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C2
Quantification of Health Risks for Off-site Residents
Construction Emissions

Source		MEIR Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 3rd Trimester (mg/kg-day)	Dose 0 < 2 years (mg/kg-day)	Dose 2 < 9 years (mg/kg-day)	Dose 2<16 years (mg/kg-day)	Dose 16<30 years (mg/kg-day)	Carcinogenic Risks 3rd Trimester per million	Carcinogenic Risks 0 < 2 years per million	Carcinogenic Risks 2 < 9 years per million	Carcinogenic Risks 2<16 years per million	Carcinogenic Risks 16<30 years per million	**Total Cancer Risk** per million	**Chronic Hazards** [3] Chronic REL ($\mu g/m^3$)	**Chronic Hazards** [3] RESP
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)
Residential Receptors																			
2026	Phase 1	2.45E-02	1.00E+00	DPM	3.0E-04	1.1E+00	8.47E-06	2.56E-05				2.70E-01	2.44E+00				2.71E+00	5.0E+00	4.89E-03
2027	Phase 1	1.69E-02	1.00E+00					1.76E-05					1.20E+00				1.20E+00		3.37E-03
2030	Phase 2	3.06E-04	1.00E+00						2.52E-07					3.41E-03			3.41E-03		6.11E-05
2031	Phase 2	2.56E-04	1.00E+00						2.11E-07					3.60E-03			3.60E-03		5.12E-05
2038	Phase 3	1.46E-04	1.00E+00							1.04E-07					1.46E-03		1.46E-03		2.91E-05
2042	Phase 4	1.02E-04	1.00E+00							7.30E-08					5.91E-04		5.91E-04		2.04E-05
2049	Phase 5	4.87E-03	1.00E+00								1.56E-06					7.22E-03	7.22E-03		9.74E-04
2050	Phase 5	1.43E-03	1.00E+00								4.60E-07					2.63E-03	2.63E-03		2.86E-04
																Total	**3.93**		**0.010**

Maximum Exposed Individual Resident (MEIR) UTM coordinates: 447913.02E, 3778635.85N

OEHHA age bin	3rd Trimester	0 < 2 years	2 < 9 years	2<16 years	16<30 years
exposure year(s)	2026	2026-2028	2028-2035	2035-2042	20-42-2050
Dose Exposure Factors: frequency (days/year)	350	350	350	350	350
inhalation rate (L/kg-day) [1]	361	1090	861	745	335
inhalation absorption factor	1	1	1	1	1
conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors: age sensitivity factor	10	10	3	3	1
averaging time (years)	70	70	70	70	70
per million	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
fraction of time at home	0.85	0.85	0.72	0.72	0.73

		exposure durations (year)[2]				
Construction Year		3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years
2026	Phase 1	0.25	0.75			
2027	Phase 1		0.53			
2030	Phase 2			0.42		
2031	Phase 2			0.52		
2038	Phase 3				0.43	
2042	Phase 4				0.25	0.66
2049	Phase 5					0.42
2050	Phase 5					0.52
	4.76	0.25	1.28	0.94	0.68	1.61

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table C3
Student Concentrations for Construction Risk Calculations

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MER Conc. ($\mu g/m^3$)	Total MER Conc. Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Elementary School Student						
DPM	2026	Phase 1 On-Site	0.12	1.01E-02	1.24E-03	1.37E-03
		Phase 1 Truck Route	2.05	6.58E-05	1.35E-04	
	2027	Phase 1 On-Site	0.12	6.98E-03	8.52E-04	9.69E-04
		Phase 1 Truck Route	2.05	5.69E-05	1.17E-04	
	2030	Phase 2 On-Site	0.07	2.30E-03	1.68E-04	2.04E-04
		Phase 2 Truck Route	2.05	1.76E-05	3.61E-05	
	2031	Phase 2 On-Site	0.07	1.93E-03	1.41E-04	1.65E-04
		Phase 2 Truck Route	2.05	1.16E-05	2.38E-05	
	2038	Phase 3 On-Site	0.12	7.02E-04	8.21E-05	1.07E-04
		Phase 3 Truck Route	2.05	1.23E-05	2.52E-05	
	2042	Phase 4 On-Site	0.17	2.98E-04	5.06E-05	6.14E-05
		Phase 4 Truck Route	2.05	5.28E-06	1.08E-05	
	2049	Phase 5 On-Site	0.55	3.85E-03	2.12E-03	2.19E-03
		Phase 5 Truck Route	2.05	3.50E-05	7.16E-05	
	2050	Phase 5 On-Site	0.55	1.13E-03	6.24E-04	6.44E-04
		Phase 5 Truck Route	2.05	1.01E-05	2.06E-05	
					Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations	

Maximum Exposed Receptor (MER) UTM coordinates: 447641.81E, 3778177.23N

[1] Model Output (Appendix C) at the MER based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C4
Quantification of Health Risks for Off-site Student
Construction Emissions

Source		MER	Weight	Contaminant	URF	CPF	Dose (by age bin)		Carcinogenic Risks (by age bin)		**Total Cancer Risk**	**Chronic Hazards [3]**	
		Conc. ($\mu g/m^3$)	Fraction		$(\mu g/m^3)^{-1}$	$(mg/kg/day)^{-1}$	2<16 years	2<16 years	2<16 years	2<16 years		Chronic REL ($\mu g/m^3$)	RESP
(a)		(b)	(c)	(d)	(e)	(f)	(j)	(k)	(p)	(q)	per million (r)	(s)	(t)
Elementary School Student													
2026	Phase 1	1.37E-03	1.00E+00	DPM	3.0E-04	1.1E+00	3.52E-07		1.58E-02		1.58E-02	5.0E+00	2.74E-04
2027	Phase 1	9.69E-04	1.00E+00				2.48E-07		5.95E-03		5.95E-03		1.94E-04
2030	Phase 2	2.04E-04	1.00E+00				5.24E-08		9.84E-04		9.84E-04		4.08E-05
2031	Phase 2	1.65E-04	1.00E+00				4.23E-08		9.99E-04		9.99E-04		3.30E-05
										Total	**0.024**		**0.001**
2038	Phase 3	1.07E-04	1.00E+00					2.75E-08		5.33E-04	5.33E-04		2.15E-05
2042	Phase 4	6.14E-05	1.00E+00					1.57E-08		6.45E-04	6.45E-04		1.23E-05
2049	Phase 5	2.19E-03	1.00E+00					5.62E-07		1.07E-02	1.07E-02		4.39E-04
2050	Phase 5	6.44E-04	1.00E+00					1.65E-07		3.89E-03	3.89E-03		1.29E-04
										Total	**0.016**		**0.001**

Maximum Exposed Receptor (MER) UTM coordinates: 447641.81E, 3778177.23N

				exposure durations (year)[2]	
	OEHHA age bin	2 < 16 years	Construction Year	2 < 16 years	2 < 16 years
	exposure year(s)	2026-2032	2026 Phase 1	1.00	
Dose Exposure Factors:	exposure frequency (days/year)	180	2027 Phase 1	0.53	
	8-hour inhalation rate (L/kg-day) [1]	520	2030 Phase 2	0.42	
	inhalation absorption factor	1	2031 Phase 2	0.52	
	conversion factor (mg/µg; m^3/L)	1.0E-06	2038 Phase 3		0.43
			2042 Phase 4		0.91
Risk Calculation Factors:	age sensitivity factor	3	2049 Phase 5		0.42
	averaging time (years)	70	2050 Phase 5		0.52
	per million	1.0E+06			
			4.76	2.48	2.28

[1] Inhalation rate taken as the 8-hour 95th percentile breathing rates, Moderate Activity (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.